



**Request for Proposal (RFP)**

**(Single stage Two Packet System)**

**for**

**Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine  
including supply of spares and other items for 12 years within DFCCIL Network**

RFP No. DFC/CO/EN/TECH/RGM-RIV/O&M/12YRS/33092

**Issued on:13/02/2025**

**(Participation through e-Tender only)**

Visit: [www.ireps.gov.in](http://www.ireps.gov.in)

(Help desk of IREPS: 011-23761525)

**Client:**

**DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED**

**(A Government of India Enterprise)**

**Under**

**Ministry of Railway**

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## **INSTRUCTIONS TO BIDDERS FOR ONLINE BIDDING**

### **Instructions to bidders for online bidding**

**General:** - Submission of Online Bids is mandatory for this Notice Inviting Tender. For conducting electronic tendering, DFCCIL has decided to use the portal E-tendering site-<https://www.ireps.gov.in> / its link at [www.dfccil.com](http://www.dfccil.com) (Help desk of IREPS: 011 - 23761525). The tenderer/bidders must have Class-III Digital Signature Certificate & must be registered on IREPS portal. Only registered tenderer/bidders can participate on e-Tendering. All relevant documents must be uploaded at the time of participating in e-Tendering. **Instructions:** -

**1. Online Bidding Methodology:**

Online Bid System

**2. Broad outline of activities from Bidders perspective: -**

- a. Procure a Digital Signing Certificate (DSC)
- b. Register on Electronic Tendering System (ETS)
- c. Create Users and assign roles on ETS
- d. View Notice Inviting Tender (NIT) on (ETS)
- e. Download Official copy of Tender Documents from ETS.
- f. Clarification to Tender Documents on ETS - Query to DFCCIL (Optional) - view response to queries posted by DFCCIL through addenda.
- g. Bid Submission on ETS: Prepare & arrange all documents/paper for submission of bid online and tender fees deposit through E-Payment gateway.
- h. Attend Public Online Tender Opening Event (TOE) on ETS.
- i. Post TOE clarification on ETS (Optional). Respond to DFCCIL's post - TOE queries.

For participating in this tender online, the following instructions are to be read carefully. These instructions are supplemented with more detailed guidelines on the relevant screens of the ETS.

**Note**

- a) It is advised that all the documents to be submitted are kept scanned and converted to PDF format in a separate folder on your computer before starting online submission.
- b) While uploading the documents it should be ensured that the file name should be the name of the document itself.

**3. Digital Certificate:**

For integrity of data and its authenticity/ nonrepudiation of electronic records and to be compliant with IT Act 2000, it is necessary for each user to have a Digital Certificate (DC) also referred to as Digital Signature Certificate (DSC) of class III issued by a Certifying Authority (CA) licensed by Controller of Certifying Authority (CCA) (refer <http://www.cca.gov.in>).

**4. Registration:**

The Tender documents can be downloaded from the website: <https://www.ireps.gov.in> and to be submitted in the e - format. Cost of the Tender Documents have to be submitted only through online payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker's cheque, Deposit receipts, FDR etc. are not allowed. Payments against this tender towards tender document cost and earnest money are to be deposited /submitted before the schedule date & time of submission of the tender otherwise the Bid will not be considered. Amendments, if any, to the tender document will be notified in the above website as and when such amendments are notified. It is the responsibility of the bidders who have downloaded the tender documents from the website to keep themselves abreast of such amendments before submitting the tender documents. BID SECURITY has to be deposited either online through online payment modes available on IREPS portal or as described under clause 6.7 of SOR.

Intending bidders are requested to register themselves on IREPS portal through <https://www.ireps.gov.in> for obtaining User ID and Password by paying Vendor registration fee and processing fee for participating in the above-mentioned tender. 'Vender Manual' containing the detailed guidelines for E-Tendering is available on [www.ireps.gov.in](http://www.ireps.gov.in)

**5. DFCCIL, has decided to use process of E- Tendering for inviting this tender and thus the physical copy of the tender documents would not be sold/ accepted.**

- i) Amendments, if any, to the tender document will be notified in the above website as and when such amendments are to be notified. It is the responsibility of the Tenderer who has downloaded the tender documents from the website to keep themselves abreast of such amendments and attach all the addendum/addenda/corrigendum/corrigenda (if any) duly signed along with the submission of the tender documents.
- ii) To participate in the E-bid submission, it is mandatory for the Bidders to get themselves registered with the IREPS ([www.ireps.gov.in](http://www.ireps.gov.in)) and to have User ID and Password.

**6. List of Contact persons for this tender & Bank Account Details of DFCCIL: -**

DFCCIL Contact	Arun Kumar Tiwari, GGM/Technical
Telephone/Mobile No.	9717636957
E-mail ID	aktiwari@dfcc.co.in

IFSC CODE	UBIN0546836
IFSC TYPE	BRANCH
BANK NAME	Union Bank of India,
BRANCH NAME	Motibagh Branch
CITY NAME	New Delhi
ADDRESS	Moti Bagh -1, New Delhi - 110066
STATE	DELHI

BG ENABLED	YES
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**7.0 DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATION AS PER BID: -**

The bidder shall furnish, as part of his bid document establishing the bidders' eligibility. All these documents should be numbered and should be signed by bidder in each page.

- 7.1** Tender fee has to be deposited through e-payment only. The tender processing fees as per applicable rate payable through the e- payment gateways to IREPS portal is Nonrefundable. Payments against this tender towards tender document cost and earnest money are to be done before the schedule date & time of submission of the tender otherwise the Bid will not be considered.
- 7.2** Tender documents (s), duly filled in should be signed by bidder or his Authorize representative along with seal on each page. All corrections and overwriting must be initialed with date by the bidder or his authorized representative.
- 7.3** *Copy of PAN card.*
- 7.4** *The authenticated copy of registered partnership deed and registration of the firm from registrar of firm in case of partnership firm.*
- 7.5** *In case of proprietorship firm bidder will submit an affidavit, attested by Notary Public that "I am a sole proprietor of the firm \_\_\_\_\_" in case of \_\_\_\_\_ Proprietorship firm on Non judicial stamp paper of Rs 500/-.*
- 7.6** *Bidder's profile duly filled in, as per tender document.*
- 7.7** *Power of Attorney for signing the Application. If applicable, the Power of Attorney for Lead Member of JV;*
- 7.8** *Article of association and memorandum in case of private/public limited company.*
- 7.9** *Copy of E.P.F. registration. (optional)*
- 7.10** *Copy of ESI Certificate. (optional)*
- 7.11** *Copy of GST registration no.*
- 7.12** *Memorandum of Understanding (in case of JV)*

**Note-** (i) Any discrepancy found in the downloaded tender document submitted by the bidder compared to uploaded tender document, the tender document uploaded by the DFCCIL will be treated as valid and any changes (found in the tender document submitted by the bidder) at any stage, will be treated as fraud done to the DFCCIL, and will be liable to cancellation of agreement done (if any) & appropriate action will be taken against the bidder.

(ii) While submitting the Tender 'Online' the Tenderer shall read the terms & conditions and accept the same in order to proceed further to submit their Tender.

**8.0 The following 'FOUR KEY INSTRUCTIONS for BIDDERS' must be assiduously adhered to:**

1. Obtain individual Digital Signing Certificate (DSC or DC) well in advance of your first tender submission deadline on ETS.
2. Register your organization on ETS well in advance of your first tender submission deadline

on ETS.

3. Get your organization's concerned executives trained on ETS using online training module well in advance of your tender submission deadline on ETS.
4. Submit your bids well in advance of tender submission deadline on ETS (DFCCIL should not be responsible for any problem arising out of internet connectivity issues).

#### **9.0 Modification / Withdrawal of bids:**

- (i) The Bidder may modify/ withdraw its e- bid after submission prior to the Bid Due Date & time. No Bid shall be modified / withdrawn by the Applicant on or after the Bid Due Date & time.
- (ii) Any alteration/ modification in the Bid or additional information supplied subsequent to the Bid Due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.
- (iii) For modification of e-bid, applicant has to detach its old bid from e-tendering portal and upload / resubmit digitally signed modified bid.
- (iv) For withdrawal of bid, applicant has to click on withdrawal icon at e-tendering portal and can withdraw its e-bid.

#### **10. Method for submission of bid documents**

In this TENDER, the Tenderer has to participate in e-Tendering online. Tender Document fee in respect of e-tendering should accept through net banking or payment gateway only before the schedule date.

**Note:** The Bidder has to upload the Scanned copy of all above said documents during Online Bid submission also.

#### **Other instructions**

- a) It is recommended that the Tenderer/vendor should visit the portal (ireps.gov.in), peruse the information provided under the relevant links and login to it and upload documents of bid.
- b) DFCCIL reserves right to cancel the tender before submission / opening of tender, postpone the tender submission / opening date and to accept / reject any or all tenders without assigning any reason thereof. DFCCIL's assessment of suitability as per eligibility criteria shall be final and binding.
- c) Information as required as per various Forms/Annexures to tender document should be submitted by the tenderers without fail strictly as per formats.

**Important Note:** It is strongly recommended that all authorized users of Supplier organizations should thoroughly peruse the information provided under the relevant links and take appropriate action.

#### **11. OPENING AND EVALUATION OF BIDS:**

- (i) Opening of Bids will be done through an online process.
- (ii) For participating in the tender, the authorized signatory holding Power of Attorney shall be the Digital Signatory. In case the authorized signatory holding Power of Attorney and Digital Signatory are not the same, the bid shall be considered non-responsive.

The DFCCIL Authority shall open bid documents received in electronic form at the scheduled date and time of opening of tender. The DFCCIL Authority will subsequently examine and evaluate the Bids in accordance with the provisions set out in the BID DOCUMENTS.

**12. ONLINE E-BIDDING METHODOLOGY:**

Online E- Bid System –All the Bids received shall be opened on the date and time mentioned above in the tender notice. Bid of the bidders shall be opened through the process of e-tendering. The sequence of opening shall be:

- i) Cost of Tender Document and Bid Security Details
- ii) Technical, and
- iii) Financial Bid (only of qualified bidders on the basis of technical bid)



## **Chapter - I**

### **NOTICE INVITING E-TENDER**

## **CHAPTER - I**

### **NOTICE INVITING TENDER (NIT)**

1	E-Tender No.	<b>No. DFC/CO/EN/TECH/RGM-RIV/O&amp;M/12YRS/33092 Dated 13.02.2025</b>
2	Name of Work	Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 years within DFCCIL Network
3	Advertised Tender Value	₹ 3,38,98,98,202.66/- (inclusive 18% GST), (Three Hundred Thirty Eight Crore Ninety Eight Lakh Ninety Eight Thousand two hundred four only)
4	Completion Period	144 months (12 Years)
5	Type of BID	Open E-Tender Single Stage Two Packet System
6	Tender Document Cost	₹.29,500.00
7	Earnest Money/Bid Security	₹.1,18,00,000/- (Including GST@18%) (One Crore Eighteen lakh only)
8	Date and Time of Issue of Tender on <a href="http://www.ireps.gov.in">www.ireps.gov.in</a>	Tender Document can be downloaded from <b>13.02.2025 (17.00 Hrs.)</b> from <a href="http://www.ireps.gov.in">www.ireps.gov.in</a>
9	Last Date and Time of submission of Tender (Online)	<b>27.03.2025 at 15.00 hrs.</b> on <a href="http://www.ireps.gov.in">www.ireps.gov.in</a>
10	Date and Time of Opening of Technical Bid	<b>27.03.2025 at 15.30 hrs.</b> on <a href="http://www.ireps.gov.in">www.ireps.gov.in</a>
11	Date and Time of opening of Financial Bid (Online)	To be communicated later on to only those bidders who are technically qualified
11	Validity of offer	120 Days from the date of opening of tender.
12	Security Deposit	5% of Contract Value
13	Pre-Bid meeting & Venue	<b>21.02.2025 at 15.00 hrs.</b> in DFCCIL Corporate Office, Sector-145, NOIDA (UP)
14	Performance Bank Guarantee	Performance Guarantee (PG) have to be submitted within 21 (Twenty-one) days from the date of issue of Letter of Acceptance (LOA), amounting to 5% of the Contract Value.
15	Help Desk for E-Tendering	For any clarification, help and registration for E-Tendering & matter relating to Digital Signature, contact at Help desk of <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> and phone No.- 011-23761525
16	Availability of Tender Documents	Tenderer who wishes to view free Notification and Tender Documents can visit <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> DFCCIL may issue Addendum (s)/Corrigendum (s) to the Tender document, if any, placed on the website <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> only.
17	Address of communication	<b>Sh. Arun Kumar Tiwari, Group General Manager/Technical, Room No.428, DFCCIL Corporate Office, Sector-145, NOIDA (Uttar Pradesh), INDIA Mob: 9717636957 (email: <a href="mailto:aktiwari@dfcc.co.in">aktiwari@dfcc.co.in</a>)</b>

Signature of tenderer (s)  
With seal

**Note:**

1. Tender documents should be downloaded from the website address <https://www.ireps.gov.in>. Payment of Tender Document fee & BID SECURITY, in respect of e-tendering, should accept through payment gateway only. Any tender received without BID SECURITY or cost of tender documents in the form as specified in the tender documents shall not be considered and shall be summarily rejected.
2. Eligibility shall be assessed on applicants, fulfilling the technical capability and competence as well as for financial and organizational resources as specified in clause No. 1.3.13 (i) A & B and Clause 1.3.13 (ii) of Preamble & General Instruction to tenders (**Chapter- III**).
3. The Offer shall be valid for 120 days from the date of opening of the tender and extended further if required from time to time. The Bidders cannot withdraw their offer within the period of validity/extended validity. The BID SECURITY of such tenderers shall be forfeited.
4. Notice Inviting Tender (NIT), Tender Document and Corrigendum/Addendum if any, will be posted on the E Tendering website [www.ireps.gov.in](http://www.ireps.gov.in). Tenderers are advised to complete all submission related work well before Time and Date for Submission of Tender Online. Any request for modification in the time/date of submission of tender due to tender's failure to submit his offer, will not be accepted.
5. The tender documents shall be submitted in online mode only through website [www.ireps.gov.in](http://www.ireps.gov.in) in Single Stage Two e-Packets only (**Technical Bid and Financial Bid**).
6. Detailed credentials as per the requirement of eligibility criteria and all tender papers except Bill of Quantities are to be submitted in Technical Bid.
7. Summary of Prices (**Form - 3**) with % age above or below or at par on the amount of schedules "A", "E", "F", "at par" on amount of schedule "B" (rate for the schedule "B" items will be paid as per the rate offered by Bidder for consumables items **in Form - 3B**), "at par" on amount of schedule "C" (rate for the schedule "C" items will be paid as per the rate offered by Bidder for Spare parts items **in Form. - 3C**), "at par" on amount of schedule "D" (rate for the schedule "D" items will be paid as per the latest rate of Northern Railway for Grinding stone) duly filled in along with Schedule of Prices (**Form - 4**) are to be submitted in Financial Bid on online mode only.
8. No tender document will be available offline. Downloading tender documents online and submission of tender online is mandatory for this tender.
9. Any further addendum/Corrigendum for this tender will be posted in tendering portal website <https://www.ireps.gov.in> only. Interested bidders are advised to check website regularly for any Addendum/ Corrigendum.
10. DFCCIL reserves right to cancel the tender before submission / opening of tender, postpone the tender submission / opening date and to accept / reject any or all tenders without assigning any reason thereof. DFCCIL's assessment of suitability as per eligibility criteria shall be final and binding.
11. DFCCIL reserves the right to pre-qualify the bidder(s) provisionally based on the documents submitted by them and open financial bid(s), subject to their final verification. In the event of any document being found false, the provisional qualification shall stand withdrawn, and the next lower bidder shall automatically come to the position of such disqualified bidder.
12. Information as required as per various Forms to tender documents should be submitted by the tenderers without fail strictly as per formats.

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Signature of tenderer (s)  
With seal

**1. Procedure for e-tendering**

1.1 Accessing/ purchasing of Tender Documents.

1.2 It is mandatory for all the Bidders to have class-III Digital Signature Certificate (DSC) from any of the licensed certifying Contractor (Bidders can see the list of licensed certifying agencies from the link [www.cca.gov.in](http://www.cca.gov.in)) to participate in e-tendering.

1.3 To participate in the Bidding, it is mandatory for the Bidders to register with IREPS portal to have user ID & password. IREPS portal is the only website for submission of Bid. A vender manual containing the detailed guidelines for e-tendering is available on IREPS portal. The following may kindly be noted:

(a) Registration with IREPS portal should be valid at least up to the date of submission of bid.

(b) Bids can be submitted only during the validity of registration.

2. It is also mandatory for the Bidders to get their firms registered with e-tendering portal. If the firm / Joint Venture is already registered with e-tendering service provider, and validity of registration is not expired, then the firm/Joint Venture is not required to have a fresh registration.
3. The complete Bidding Documents can be viewed / downloaded by the Bidder from IREPS portal as per the time and date mentioned on the IREPS portal.
4. Tenders shall be opened at the address given below as mentioned in NIT item No. 17 in the presence of the tenderers or their authorized representatives intending to attend the opening.
5. Tender shall be submitted as per "Preamble & General Instruction to Tenderers" forming as part of the complete tender documents.
6. Transfer of the tender document purchased by intending tenderer to another tenderer is not admissible. Tenderer can submit tenders only on the documents purchased / downloaded from the website <http://www.ireps.gov.in> by them.
7. Tenderers must read all instructions regarding e-tendering process as mentioned in PREAMBLE & GENERAL INSTRUCTIONS TO TENDERERS Part-I, Chapter III.

**Group General Manager/Technical  
For & on behalf of DFCCIL**

## Chapter- II

### SCHEDULE OF REQUIREMENTS

#### 1.0 Description of Work:

SN	Description	Estimated Cost of Work (in Rs)	BID SECURITY (in Rs)	Completion period (in years)
1	Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 years with in DFCCIL Network.	Rs.3,38,98,98,202.66 (Including GST@18%)	Rs.1,18,00,000/- (Including GST@18%)	12 years (144 months)

#### 2.0 Detailed breakup of quantity are as follows: -

SOR Item No	Description of Item	Unit	Qty
<b>Schedule A (For Manpower for Operation and Maintenance of RGM formation and RIV)</b>			
1	<b>Manpower:</b> Operation & Comprehensive Maintenance of 72 Stone Rail Grinding Machine (Model No. RGI-11) and Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Manufacturer - M/s Loram Maintenance of Way Inc. USA within DFCCIL Network During warranty period upto 16 Nov,2025	Months	10
2	<b>Manpower:</b> Operation & Comprehensive Maintenance of 72 Stone Rail Grinding Machine (Model No. RGI-11) and Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Manufacturer - M/s Loram Maintenance of Way Inc. USA within DFCCIL Network beyond warranty period	Months	130
3	<b>Manpower - Lump Sum</b> manpower cost required for 1st Periodic Overhaul of 72 Stone Rail Grinding Machine (Model No. RGI-11) formation manufactured & supplied by Manufacturer - M/s Loram Maintenance of Way Inc. USA. <b>Note- During operation of this item, Item No.2 will not to be operated.</b>	Nos	1
4	<b>Manpower:</b> Lump Sum manpower cost required for 2nd Periodic Overhaul of 72 Stone Rail Grinding Machine (Model No. RGI-11) formation manufactured & supplied by Manufacturer - M/s Loram Maintenance of Way Inc. USA. <b>Note- During operation of this item, Item No.2 will not to be operated.</b>	Nos	1
5	<b>Manpower:</b> Lump Sum manpower cost required for 1st Periodic Overhaul of Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Manufacturer - M/s Loram Maintenance of Way Inc. USA. <b>Note- During operation of this item, 20% of Item No.2 will not to be operated.</b>	Nos	1
<b>Schedule B (For Supply of Consumables)</b>			
1	<b>Lump Sum</b> Cost of all required consumables (excluding HSD and water) during full contract duration, required for RGM formation and RIV manufactured & supplied by M/s Loram Maintenance of Way Inc. USA	Rs. 12,25,87,200/- (Lumpsum)	
<b>Schedule C (For Supply of Spare parts of RGM &amp; RIV (excluding consumables but including)</b>			
1	<b>Lump Sum</b> Cost of all required spares (excluding consumables, required fuel, water & on siding electricity) during full contract duration, required for RGM- RIV consist manufactured & supplied by M/s Loram Maintenance of Way Inc. USA	Rs.1,15,90,69,233/- (Lumpsum)	

Signature of tenderer (s)  
With seal

<b>Schedule D (For Supply of Grinding stone for RGM)</b>			
1	<b>Lump Sum</b> Cost for supply of Grinding stone during full contract duration required for RGM manufactured & supplied by M/s Loram Maintenance of Way Inc. USA		Rs.95,40,72,000/- (Lumpsum)
<b>Schedule E (Foreign training)</b>			
1	Foreign training at the RGM OEM's premises for Four (04) DFCCIL officials for 4 weeks duration excluding cost of travel from India to USA & back and lodging boarding at USA and Visa associated cost	Nos	1
<b>Schedule F (Rail life Extension Analysis)</b>			
1	<b>Service cost of Rail Life Extension Analysis</b> including Rail Template Development & Profile Management for DFCCIL for effective Operations of 72 Stone Rail Grinding Machine for 880 UTS rail and 1080 E1 HH Rails separately	Nos	2 (one for 90 UTS rail and one for 1080 HH E1 Rail)

**Note:**

- (i) All costs of all the above items are to be quoted in INR currency only. For tender evaluation purposes, the total cost of all above items will be considered. All the above Costs shown in SOR exclude 18% GST.
- (ii) Purchase preference under the policy of Government of India- Public Procurement Order 2017 dated 16.09.2020 (Copy attached as **Form-18** (MII) with latest amendments shall be applicable to this tender.
- (iii) Qty given against item No. 2 of Schedule A may vary up to 25% at same terms and conditions of tender/contract.
- (iv) If due to any reason RGM formation and RIV is not to be operated for 15 or more days in continuation, then only 30% payment of item No. 1 or 2 of Schedule A shall be made and O & M Contractor will be free to demobilize up to 70% Staff deployed for O & M of RGM Formation and RIV.
- (v) If due to any reason RIV is not to be operated but RGM Formation is operated for 15 or more days in continuation, then only 80% payment of item No. 1 or 2 of Schedule A shall be made and O & M Contractor will be free to demobilize up to 70% Staff deployed on RIV (only).
- (vi) Details of all items of main heads (Head wise) mentioned in item No.1 of Schedule B, item No. 1 of Schedule C of above SOR table are required for O & M of RGM formation and RIV along with the rate and other details in following format of **Form -3B** (for schedule B of SOR) and **Form – 3 C** (for schedule C of SOR) are to be submitted by the bidders along with their Bid:

SN	Name of Rolling stock (Front Car, GC, Camp Coach, water car., RIV)	Main Head as mentioned in item No 1.3.18.2 of ITT	OEM Part No as per OEM parts catalogue	OEM Part Description as mentioned in OEM parts catalogue	Brand/Make of Item	Type of item (Recommended/ Essential/ Consumables)	Indian/ Imported	Unit	Unit Cost without GST	% GST rate	Proposed Index for calculating PVC**
	1	2	3	4	5	6	7	8	9	10	11

\*\* Index No. and Index Name along with country name of each item (both for Indigenous or imported) shall be mentioned by bidder for cost escalation purpose.

Signature of tenderer (s)  
With seal

**3. Penalties and counter Penalties as per Chapter:** For effective execution and monitoring of work, penalties on O & M contractor have been prescribed vide relevant clauses of SCC, Chapter-V) of tender document and same are summarized as under:

Clause No. of SCC	Nature of Default	Rate of Penalty
1.10.8	Penalty on contractor due to deployment of Railway loco/haulage arrangement for hauling the defective track machine of O & M contractor for clearing the block section.	Rs. 2 lakh + Penalty for block bursting. For every year on the anniversary of LOA the above penalty rates shall be increased by 3% compound.
1.10.8	Penalty on contractor due to deployment of Railway Crane/ART/MFD for re-railing the derailed track machine of O & M contractor.	Penalty @ Rs. 4,00,000/- per case for crane and Rs. 1,00,000/- for MFD van will be charged to the contractor and will be adjusted from his running bills.  For every year on the anniversary of LOA the above penalty rates shall be increased by 3% compound.
1.11	Penalty on contractor for Block bursting	Block bursting period may be grouped on basis of time of block bursting and following penalty to be levied on O & M contractor for each instance of applicable group of block bursting: -  00-15 minute: NIL, 15-30 minute: Rs. 10,000/- 30-60 minute: Rs. 20,000/-, > 60 minutes: Rs. 50,000/- per hour or part of hour  The above rates are as on tender opening date. For every year on anniversary of LOA the above penalty rates shall be increased by 3% compounded.
1.13	Penalty on contractor for non-availability of Machine	If more than 48 working days in a 6 months are lost on account of contractor, the payment of Item No. 1 or 2 of schedule A of SOR will be reduced proportionally. For example, if a machine is available for only 130 days, the reduced payment will be = $(130/132) \times$ the monthly payment shown in item No. 1 or 2 of schedule A of SOR.
1.14.2	Penalty on contractor due to non-availability of O&M contractor Engineer for supervision of work	Rs. 2,00,000/- per month (for part of month-on pro rata basis), duly updated for PVC applicable for item No item No. 1 or 2 of schedule A of SOR.
1.14.10	Penalty for not providing Operator, Technician, Helpers as per conditions of	Operator: Rs.5000/- per day Technician: Rs. 3000/- per day, Helper: Rs. 2000/- per day

Signature of tenderer (s)  
With seal

Clause No. of SCC	Nature of Default	Rate of Penalty
	contract	duly updated for PVC applicable for item No item No. 1 or 2 of schedule A of SOR.
1.22.3	In case of termination of the Contractor Account/short closure in case of persistent Force-Majeure conditions, the O & M Contractor will remove all his establishment, materials, offices and Machines from DFCCIL premises, within 30 days.	Penalty @ Rs.10,000.00/per day/ location will be levied.

4.0 Order of preference (higher to lower) for interpretation of different clauses in the tender/contract document is as under: -

- (a) Contract Agreement
- (b) Letter of Award
- (c) Schedule of Items, Rates & Quantities
- (d) Special Conditions of Contract
- (e) Terms of Reference (TOR) of this RFP
- (f) Technical specification of DFCCIL RGM Formation and RIV
- (g) General Conditions of Contract
- (h) Schedule of Dimension of DFCCIL
- (i) G & S R of DFCCIL
- (j) OEM RGM and RIV Operation manual,
- (k) OEM RGM and RIV Maintenance Manual and other Manuals
- (l) DFC Railroad Manual
- (m) Indian Railway Track Machine Manual

In case of any conflicting provisions in different part of the tender document, provisions given in the portion of document having higher order of preference shall prevail over the provisions given in the portion of document having lower order of preference.

#### 5.0 MANDATORY REQUIREMENTS OF ELECTRONIC TENDERS:

The bidder is required to fill-in and upload the following proforma giving an undertaking for submission of required information/details at the time of on-line submission of their e-bid.

SN	Requirement	Remarks
1	Have you submitted a Bid Security as per Clause 1.3.8 of ITT ? (If yes please fill-up the Bid Security No. and other details).	Bid Security BG No. .... Date..... Amount Rs....., Name of Bank issuing Bid Security.....

#### 6.0 SPECIAL NOTES:

6.1 The e-bids are required to be submitted at [www.ireps.gov.in](http://www.ireps.gov.in) before the time and date specified for the same.

Signature of tenderer (s)  
With seal



- 6.2 Bidder/Tenderer shall submit list of Trained Manpower from M/s Loram Maintenance of Way, Inc , USA whom bidder has planned to deploy for Operation and Maintenance of RGM Formation/RIV duly enclosing Training completion certificate issued by M/s Loram Maintenance of Way, Inc , USA in enclosed **Form- MPD**.
- 6.3 Bidder/Tenderer shall submit valid Technical support letter from M/s Loram Maintenance of Way, Inc, USA for Technical support and clear cut undertaking that M/s Loram Maintenance of Way, Inc , USA will make available parts and other accessories required for RGM formation and RIV and other hardware and software provided in RGM/RIV in enclosed **Form- TSL1**.
- 6.4 Bidder shall submit a copy of understanding between M/s Loram Maintenance of Way, Inc , **USA** and **M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India** for management of Spare parts of Rolling stock supplied by M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India and submit the copy of understanding between M/S LORAM, USA and **M/s Titagarh Rail Systems Limited, Kolkata, India** for management of Spare parts of Rolling stock supplied by M/s Titagarh Rail Systems Limited, Kolkata, India which M/s LORAM, USA has made at time of supply of RGM Formation and RIV to DFCCIL through PE-6 ( Original Procurement of RGM Formation and RIV) Contract.
- 6.5 In case item No. 6.4 above is not complied, then Bidder/Tenderer shall submit a valid MOU with **M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India** clear cut undertaking that **M/s SAN Engineering and Locomotive Co. Ltd Bengaluru, India** will make available parts and other accessories required for Camping Coach of RGM formation and RIV vehicle and other hardware and software provided by them for Camping coach and RIV in enclosed **Form- MOU1**.
- 6.6 In case item No. 6.4 above is not complied, then Bidder/Tenderer shall submit a valid MOU with **M/s Titagarh Rail Systems Limited, Kolkata, India** for clear cut undertaking that **M/s Titagarh Rail Systems Limited, Kolkata, India** will make available parts and other accessories required for Water tanker Car and other hardware and software provided in water tanker Car in Enclosed **Form- MOU2**.
- 6.7 BID SECURITY payment through online mode on IREPS. Option for submission of BID SECURITY through manual mode is also available to all the bidders, in addition to online payment mode. Manual Payment of BID SECURITY in following form is acceptable:
- a) Bank Guarantee by bidder in prescribed proforma as per Form - 5. The original Bank Guarantee should be delivered in person to the official nominated as indicated in the tender document before closing date for submission of bids (i.e. excluding the last date of submission of bids) and a soft copy of BG be submitted along with the offer.
- Regarding Security Deposit, Bidders are advised to go through clause 16 of GCC. The Security Deposit shall be 5% of the contract value.
- 6.8 The bidders should quote the compliance of all specifications in all respects. Clause wise compliance of GCC (Chapter- IV), Terms of Reference (Chapter V), SCC (Chapter -VI), O & M provisions for RGM Formation (Chapter VII) and O & M provisions for RIV (Chapter VIII) are to be uploaded on the web site with their e-bid. If there are any deviations to the GCC, Terms of Reference, SCC, O & M provisions for RGM Formation and RIV, a Deviation Statements indicating clauses / sub-clauses, deviation proposed and justification thereof should be enclosed for each in the prescribed format given as **Form - 20**. In case of 'Nil' deviations the same should be specified.
- 6.9 In case the date of e-bid opening falls on a gazetted holiday or is subsequently declared as such, the e-bids will be opened on the next working date at the appointed time.
- 6.10 Bidders are requested to visit site [www.ireps.gov.in](http://www.ireps.gov.in) and go through the e-tender documents

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Signature of tenderer (s)  
With seal

carefully.

**6.11 E-Bids are liable to be rejected if:**

- a) Not accompanied with specified 'BID SECURITY' in the name of Bidder.
- b) Any fax/swift message/communication from the bank for establishing/ issuing the Bid Security later on will not be entertained.
- c) Received after stipulated time & date of opening.
- d) Not open for acceptance for a minimum period of 120 days from the due date of opening of bid and Bid Security is not valid for 180 days.
- e) Technical Support letter / MoUs with various OEMs are not attached as stipulated in RFP.
- f) Are non-responsive as per clause 1.3.24(d) of ITT of tender document.
- g) **Form 3 A** and **Form 3B** dully filed and signed not uploaded in Financial Bid Packet.

**7.0 Execution Co-relation and intent of contract Documents:** The contract documents shall be signed in triplicate by the DFCCIL and Selected Bidder within 75 days of issue of LOA, otherwise full Bid Security will be forfeited, and bidder will be debarred to participate in re-tendering of this work. The contract documents are complementary, and what is called for by anyone shall be as binding as if called for by all, the intention of the documents is to include all labor and materials, equipment's and transportation necessary for the proper execution of work.

**PREAMBLE**

**&**

**GENERAL INSTRUCTION TO TENDERERS**

## Chapter- III

### PREAMBLE & GENERAL INSTRUCTIONS TO TENDERERS

#### 1.3.1 Introduction

##### (i) General

Dedicated Freight Corridor Corporation of India Ltd. (DFCCIL), a public sector under taking under Ministry of Railways (MOR), has been set up under the Indian Companies Act, 1956 for implementation of Dedicated Freight Corridor Project. Government of India is the sole shareholder of the DFCCIL for construction and operation of Dedicated Freight Corridor (DFC). The coverage of Eastern Corridor is from Ludhiana to Sonnagar and Western Corridor is from Jawaharlal Nehru Port, Mumbai to Dadri near Delhi with linkage at New Dadri.

DFCCIL have procured the RGM formation from M/s Loram, USA consisting of RGM (72 Stone (model No. RGI-11 with Front Car, 3 Grinding Cars, 1 Water Wagon and 1 Camp Coach. DFCCIL have also procured the Rail Inspection Vehicle (Model No. RIV -121) from M/S Loram, USA. The RGM formation and RIV was commissioned on 16 Nov,2023.

##### (ii) Name of Work

Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 years within DFCCIL Network.

##### (iii) Scope of Work

The scope of work covers Operation & Maintenance of RGM Formation and RIV Machine for 12 years including supply of Machine spare parts, Grinding stones for rail grinding and consumables required for Operation and maintenance of RGM Formation and RIV. The scope also included the following items:

- a) 4 Weeks Training of 4 number of DFCCIL personnels related to RGM/RIV Operation and Maintenance management
- b) One round of Rail life extension Analysis of 880 UTS and 1080 HH E1 rails.
- c) The 1<sup>st</sup> and 2<sup>nd</sup> Round of POH of RGM formation, and
- d) 1 Round of RIV POH.

**Cost of the work:** The estimated cost of the tendered work is approximately ₹.3,38,98,98,202.66 (inclusive 18% GST)

- ##### (iv)
- The tender shall be governed by General Conditions of Contract (GCC), Preamble and General Instructions to Tenderers (ITT) and Special Conditions of Contract (SCC), Terms of Reference, O & M provisions for RGM Formation and RIV. Wherever, there is a conflict in any condition between GCC and Special Conditions of Contract mentioned in the tender documents, the condition mentioned in Special Conditions of Contract will prevail. However, the Engineer's decision in this connection shall be final and binding.

**(vii) Location**

O & M Works are to be executed anywhere in the jurisdiction of DFCCIL and the O & M contractor shall be bound to execute the work without any extra cost. In exceptional circumstances RGM may be asked to Operate on Indian Railway network also without any extra cost.

**1.3.2(a) Tender Bid**

The Tender Bid shall be submitted online in Single Stage Two Packet system only on website [www.ireps.gov.in](http://www.ireps.gov.in) as under: -

**Packet 1 (Technical Bid)** - Eligibility/Qualifying element of the Tender Bid along with other documents mentioned in para 1.3.2 (b) (i), here in after called "**TECHNICAL BID**".

**Packet 2 (Financial Bid)** - Price elements of the Tender Bid as per para 1.3.2 (b) (ii), herein after called "**FINANCIAL BID**". Financial Bid of only those bidders who qualifies the Technical bid will be opened.

The detailed procedure for tender opening and processing is given in Para 1.3.5.

**1.3.2(b) Form of Tender**

The Tender documents shall be in two packets: **Packet 1 (Technical Bid)** shall contain all tender papers as per this tender including all details of credentials as per the requirement of eligibility criteria excluding **Form – 3, Form - 3B and Form – 3C**. **Packet 2 (Financial Bid)** shall contain Summary of prices as per **Form – 3** (online quote) along with uploading of details of **Form - 3B and Form – 3C**.

Any tender received later than the time and date of submission of tenders shall be rejected.

Tenders not submitted in the proper Forms are liable to be rejected.

**(i) Documents to be enclosed with the Technical BID -**

<b>S. No</b>	<b>Description</b>	<b>Documents</b>
(1)	Offer letter complete.	Form No.1
(2)	Tenderer's credentials in accordance With para 1.3.13 (i) and (ii) of Preamble and General Instructions to Tenderers.	Form No. 2A, 2B & 2C, Form – MPD, Form- TSL1, Form- MOU1, Form - MOU2
(3)	Certificates for authenticity of documents	Form -17 & Form -17A ( if applicable)
(4)	Earnest money/Security Deposit in accordance with Para 1.3.8 and Cost of Tender Document in case of downloaded tenders in accordance with Para1.3.4.3 of Preamble and General Instructions to Tenderers in an envelope.	

(5)	Written confirmation authorizing the signatory (in <b>Form -9/13</b> ) of the tender to commit the tenderer and other documents as per format as applicable, in accordance with para 1.3.6 of Preamble and General Instructions to Tenderers.
(6)	<b>Form -10, 12 and 14</b> , if applicable
(7)	Minimum Local content Certificate as per <b>Form-18(MII)</b>
(8)	List of Inventory in <b>Form- 3 A</b>
(8)	All items of Responsiveness as per <b>Form-19 (except Form -3, Form -3B and Form- 3C)</b>
(9)	Deviation Statement in <b>Form - 20</b> format

(ii) **Documents to be enclosed with the Financial BID -**

S. No	Description	Documents
(1)	Summary of Prices, Schedule of Prices & Total Prices	Form – 3 (online quote) and details of Form -3B and Form – 3C uploading on <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> )

**1.3.3 Tender Document**

This tender document consists of the following chapters in addition of Instructions to bidders for Online bidding:

CHAPTERS	DESCRIPTION
<b>General</b>	Instructions to bidders for Online bidding
Chapter I	Notice Inviting E-Tender (NIT)
Chapter II	SOR
Chapter III	Preamble and General Instructions to Tenderers (ITT)
Chapter IV	General Conditions of Contract
Chapter V	Terms of Reference (TOR)
Chapter VI	Special Conditions of Contract
Chapter- VII	O & M provisions for RGM Formation
Chapter- VIII	O & M provisions for RIV
Chapter IX	From 1 to 28 and Annexure I to VI

**1.3.4 Sale and Submission of Tender Document**

**1341** Tender document can be viewed from DFCCIL's website [www.dfccil.com](http://www.dfccil.com), [www.ireps.gov.in](http://www.ireps.gov.in). Amendment(s) (if any) will be uploaded on DFCCIL website [www.dfccil.com](http://www.dfccil.com) and [www.ireps.gov.in](http://www.ireps.gov.in) only. For submitting the tender, the Tender documents and amendment(s) can be downloaded from the [www.ireps.gov.in](http://www.ireps.gov.in) by the registered tenderers only.

**1342 Clause applicable for tender documents downloaded from Internet**

Tenderer/s is free to download tender documents at their own cost, for the purpose of perusal as well as for using the same as tender document for submitting their offer. After award of the work, an agreement will be prepared based on the tender document uploaded by DFCCIL on IREPS website and not based on the tender documents submitted by the Tenderer. In case of any discrepancy between the tender documents downloaded from the internet by Bidder and the tender document uploaded by DFCCIL on IREPS website master copy, later shall prevail and will be binding on the Tenderers. No claim on this account shall be entertained.

**1343 Cost of Tender documents downloaded from the internet**

For submitting the tender, the Tender documents, and Amendment(s), if any, is/are available on [www.ireps.gov.in](http://www.ireps.gov.in) and the same can be downloaded and used as tender documents for submitting the offer. The cost of the tender document is indicated in NIT. The cost of the tender document shall be deposited through e-payment mode at [www.ireps.gov.in](http://www.ireps.gov.in) only. In case, the cost of the tender document as detailed above is not deposited, tender will be summarily rejected.

**1344** Complete tender documents must be submitted online duly completed in all respect upto the scheduled date and time mentioned in the Notice Inviting E-Tender. In case the intended date for opening of tenders is declared holiday, the tenders will be opened on the next working day at the same time. Any modified date and time for online submission of tenders shall be uploaded on website [www.ireps.gov.in](http://www.ireps.gov.in).

**1345** Each page of the tender papers is to be digitally signed by the tenderers or such person/s on his/their behalf that is/are legally authorized to sign for him / them.

**1346 Care in Submission of Tenders –**

(i) Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the quoted rates by tenderer in tender forms are adequate and all- inclusive in item of Taxes, Duties & Levies etc. in terms of General/Special Conditions of Contract for the completion of works to the entire satisfaction of the Employer.

(ii) Tenderers will examine the various provisions of the Central Goods and Services Tax Act, 2017(CGST)/Integrated Goods and Services Tax Act, 2017(IGST)/Union Territory Goods and Services Tax Act, 2017(UTGST)/respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/State Govt. & as amended from time to time and applicable taxes before bidding. Tenders will ensure that full benefit of Input Tax (ITC) likely to be availed by them is duly considered while quoting rates.

(iii) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to DFCCIL immediately after the award of contract, without which no payment shall be released to the contractor. The contractor shall be responsible for deposition of applicable GST to the concerned authority.

**1347** Tenders containing erasures and/or alteration of the tender documents are liable to be rejected. Any correction made by Tenderer(s) in his/their entries must be attested by him/them.

- 1348** All communication between the DFCCIL and the tenderer shall be in writing. For the purposes of seeking clarification, the Employer's address is:  
Office of the Group General Manager/Technical, Room No.428, DFCCIL Corporate Office, Sector-145, NOIDA (Uttar Pradesh), India.
- 1349** Conditional tenders are liable to be rejected straightway. DFCCIL reserves the right to reject such tenders summarily without assigning any reasons whatsoever. In case tenderer/s still decides to have conditional offer, all such conditions are required to be listed separately and shall be supplemented by the details of exact financial implications, if applicable. DFCCIL will not take cognizance of any other conditions / variations from the tender stipulations mentioned at any other place in the tender documents.
- 13410** The bidder shall submit only one bid in the capacity of an individual or sole proprietor, partnership firm or company/ JV. On violation of this condition all tenders in which violator bidder have participated will be disqualified and BID SECURITY of all such tenderers shall stand forfeited.
- 13411** Withdrawal of Tender: No tender can be withdrawn after scheduled date and time of submission and during tender validity period.
- 1.3.5 Opening of Tender:**
- (a) Tender will be opened at the scheduled date and time mentioned in the Notice Inviting E-Tender.
  - (b) After the opening of tender documents of all the tenderers, these bids shall be scrutinized and analyzed. If found necessary by the DFCCIL, the tenderers shall be asked to furnish clarifications and the DFCCIL may also hold discussions with the tenderers after giving due notice. The names of the tenderers whose bid are considered complete and meet eligibility criteria shall be short listed.
  - (c) The earnest money of non-qualifying tenderers will be returned within a reasonable period.
- 1.3.6 Constitution of the Firm: -**
- 1.3.6.1** The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company/ Registered Society / Registered Trust / HUF etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be.
- 1.3.6.2** The tenderer shall give full details of the constitution of the Firm /JV/Company and shall also submit following documents (as applicable), in addition to documents mentioned above:
- (a) Sole Proprietorship Firm:**
- (i) An undertaking that he is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of



opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.

**(b) HUF:**

- (i) A copy of notarized affidavit on Stamp Paper declaring that he who is submitting on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF.
- (ii) An undertaking that the HUF is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which HUF was/is a partner/member. Concealment/wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.

**(c) Partnership Firm:**

The tenderer shall submit documents as mentioned in clause 1.3.32 of the Preamble & general instructions to Tenderers.

**(d) Joint Venture (JV):**

The tenderer shall submit documents as mentioned in Clause 1.3.31 of the Preamble & general instructions to Tenderers.

**(e) Company registered under Companies Act 2013:**

- (i) The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company.
- (ii) A copy of Certificate of Incorporation.
- (iii) A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company.
- (iv) An undertaking that the Company is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the Company was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.

**(f) LLP (Limited Liability Partnership):**

If the tender is submitted on behalf of a LLP registered under LLP Act-2008, the tenderer shall submit along with the tender:-

- (i) A copy of LLP Agreement.
- (ii) A copy of Certificate of Incorporation.
- (iii) A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual

to sign the tender on behalf of the LLP and create liability against the LLP.

- (iv) An undertaking that the LLP is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of JV in which the LLP was / is a member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.

**(g) Registered Society & Registered Trust:** The tenderer shall submit:

- (i) A copy of the Certificate of Registration.  
(ii) A copy of Deed of Formation.  
(iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust.

**(h)** If it is NOT mentioned in the submitted tender that tender is being submitted on behalf of a Sole Proprietorship firm / Partnership firm / Registered Company etc., then the tender shall be treated as having been submitted by the individual who has signed the tender.

**(i)** After opening of the tender, any document pertaining to the constitution of Sole Proprietorship Firm / Partnership Firm / Registered Company/ Registered Trust / Registered Society / HUF etc. shall be neither asked nor considered, if submitted. Further, no suo moto cognizance of any document available in public domain (i.e., on internet etc.) or in DFCCIL's record/office files etc. will be taken for consideration of the tender, if no such mention is available in tender offer submitted.

**(j)** The DFCCIL will not be bound by any change in the composition of the firm made subsequent to the submission of tender. DFCCIL may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Bidders.

**(k)** The tenderer whether sole proprietor / a company or a partnership firm / registered society / registered trust / HUF etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney (as per format given in RFP) duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person specifically authorizing him/them to submit the tender, sign the agreement, receive money, co- ordinate measurements through contractor's authorized engineer, witness measurements, sign measurement books, compromise, settle, relinquish any claim(s) preferred by the firm and sign "No Claim Certificate" and refer all or any disputes to arbitration. The above power of attorney shall be submitted even if such specific person is authorized for above purposes through partnership deed / Memorandum of Understanding / Article of Association or such other document, failing which tender is liable to be rejected.

**1.3.6.3** If it is mentioned in the tender submission that it is being submitted on behalf of / by a sole Proprietorship Firm / Partnership Firm / registered Company etc. but above-mentioned documents (as applicable) are not enclosed along with tender, the tender shall be summarily rejected.

If it is NOT mentioned in the tender submission that it is being submitted on behalf of /by a Sole Proprietorship Firm / Partnership Firm /Registered company etc., then the tender shall

be treated as having been submitted by the individual who has signed the tender.

After opening of the tender, any document pertaining to the constitution of the Firm/ shall neither be asked nor be entertained / considered by DFCCIL.

**1.3.6.4** The DFCCIL will not be bound by any power of attorney granted by the tenderer or by changes in the composition of the Firm made subsequent to the submission of tender. It may, however, recognize such power of attorney and changes after obtaining proper legal advice.

**1.3.7 Validity of Tender:**

The tender shall keep his offer open for a minimum period of 120 days from the date of opening of the tender or as mentioned in the Tender Notice.

**1.3.8 Bid Security:**

- (a) The tender must be accompanied by Bid Security in favour of 'Dedicated Freight Corridor Corporation of India Limited, deposited in any of the forms as mentioned in Sub- Para1.3.8(c) below, failing which the tender will not be considered. Any firm recognized by the Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of the Bid Security. Labour Cooperative Societies shall submit only 50% of the Bid Security.
- (b) The Bid Security department shall remain deposited with the DFCCIL for the period of validity of the offer prescribed in this tender i.e.120 days from the date of opening of tender. In case of BID SECURITY being submitted in form of Bank Guarantees, the Bank Guarantee shall remain valid for 90 days beyond the validity of the bid. If the validity of the offer is extended, the validity of Bid Security should also be extended, which the offer after the expiry of the aforesaid period may not be considered by the DFCCIL. The proof of submission of BID SECURITY should be uploaded along with the Technical Bid.
- (c) The Bid Security should be in any of the following forms:
  - (i) The Bid Security shall be deposited either in cash through e-payment gateway on <https://www.ireps.gov.in>.

Or,

- (ii) Bank Guarantee on format from Nationalized/Indian Scheduled Commercial Bank. Bank guarantees shall remain valid for 90 days beyond the validity of the bid. Sample format for Bank Guarantee for BID SECURITY is enclosed as **Form – 5**.

In case, submission of Bid Security in the form of Bank Guarantee, following shall be ensured:

- i) A scanned copy of the Bank Guarantee shall be uploaded on e-Procurement Portal(<https://www.ireps.gov.in>) while applying to the tender.

- ii) Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (<https://www.ireps.gov.in>) shall lead to summary rejection of bid.
  - iii) The Bid Security shall remain valid for a period of 60 days beyond the validity period for the Tender.
- (d) It shall be understood that the tender documents have been sold/issued to the tenderer and the tenderer is permitted to tender in consideration of stipulation on his part, that after submitting his tender he will not resile from his offer or modify the terms and conditions, thereof in a manner not acceptable to the DFCCIL. Should the tenderer fail to observe or comply with the said stipulation, the aforesaid amount shall be liable to be forfeited by the DFCCIL.
- (e) The original instruments of Bid Security (Bank Guarantee-in original) have to be delivered in person to the official nominated as indicated in the tender document before closing date for submission of bids (i.e. excluding the last date of submission of bids)
- (f) The Bid Security of the unsuccessful tenderer(s) will, save as here-in-before provided, be returned to the unsuccessful tenderer(s) within a reasonable time but the DFCCIL shall not be responsible for any loss or depreciation that may happen for the due performance of the stipulation to keep the offer open for the period specified in the tender documents or to the Bid Security while in their possession or be liable to pay interest thereon. No interest shall be paid by DFCCIL on Bid Security amount.

### **1.3.9 Execution of Contract Agreement: -**

The successful tenderer, whose tender has been accepted by the competent authority of DFCCIL, will be informed by the DFCCIL through a Letter of Acceptance (LoA). Letter of Acceptance after it is signed by the Bidder in token of his acceptance shall constitute a legal and binding contract between DFCCIL and the Bidder till such time the contract agreement is signed.

The Tenderer whose tender is accepted shall be required to appear in person at the office of Office of Group General Manager/Technical, Room No.428, DFCCIL Corporate Office, Sector-145, NOIDA (Uttar Pradesh), India or if a firm or corporation, a duly authorized representative shall so appear and execute the contract agreement within 75 days after notice that the contract has been awarded to him. Failure to do so shall constitute a breach of the agreement affected by the acceptance of the tender in which case the full value of the earnest money accompanying the tender shall stand forfeited without prejudice to any other rights or remedies.

In the event of any tenderer whose tender is accepted refuses to execute the contract agreement as here in before provided, DFCCIL may determine that such tenderer has abandoned the contract and there upon his tender and acceptance thereof shall be treated as cancelled and DFCCIL shall be entitled to forfeit the full amount of the Earnest Money.

### **1.3.10 Security Deposit on Acceptance of Tender: As per clause 16 of GCC provisions.**

### **1.3.11 Tenderer's Address**

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Signature of tenderer (s)  
With seal

The tenderer should state in the tender his postal address legibly and clearly. Any communication sent in time, to the tenderer by post at his said address shall be deemed to have reached the tenderer duly and in time. Important documents should be sent by registered post.

### 1.3.12 Right of DFCCIL to Deal with Tenders

- (a) The DFCCIL reserves the right of not to invite tenders for any of DFCCIL work or works or to invite open or limited tenders and when tenders are called to accept a tender in whole or in part or to reject any tender or all tenders without assigning reasons for any such action.
- (b) The authority for the acceptance of the tender will rest with the DFCCIL. It shall not be obligatory on the said authority to accept the lowest tender or any other tender and no tenderer(s) shall demand any explanation for the cause of rejection of his/their tender nor the DFCCIL undertake to assign reasons for declining to consider or reject any particular tender or tenders.

### 1.3.13(i) Eligibility Criteria

#### (A) Technical Eligibility Criteria

- a) Bidder/Tenderer shall submit list of Trained Manpower from M/s Loram Maintenance of Way, Inc , **USA** whom bidder has planned to deploy for Operation and Maintenance of RGM Formation/RIV duly enclosing training completion certificates of each manpower issued by M/s Loram Maintenance of Way, Inc , **USA** in enclosed **Form- MPD**.
- b) Bidder/Tenderer shall submit valid Technical support letter from M/s Loram Maintenance of Way, Inc , **USA** for Technical support and clear cut undertaking that M/s Loram Maintenance of Way, Inc , **USA** will make available parts and other accessories required for RGM formation (except Camping Coach) and other hardware and software provided in RIV in Enclosed **Form- TSL1**.
- c) Bidder shall submit a copy of **understanding between M/s Loram Maintenance of Way, Inc , USA and M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India** for management of Spare parts of Rolling stock supplied by **M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India** and submit the copy of **understanding between M/s Loram Maintenance of Way, Inc , USA and M/s Titagarh Rail Systems Limited, Kolkata, India** for management of Spare parts of Rolling stock supplied by **M/s Titagarh Rail Systems Limited, Kolkata, India** which M/s Loram Maintenance of Way, Inc , **USA** has made at time of supply of RGM Formation and RIV to DFCCIL through PE-6 Contract (RGM & RIV Procurement contract of DFCCIL).
- d) In case item No. c, above is not complied, then Bidder/Tenderer shall submit a valid MOU with **M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India** clear cut undertaking that **M/s SAN Engineering and Locomotive Co. Ltd Bengaluru, India** will make available parts and other accessories required for Camping Coach of RGM formation and RIV vehicle and other hardware and software provided by them for Camping coach and RIV in enclosed **Form- MOU1**.
- e) In case item No. c, above is not complied, then Bidder/Tenderer shall submit a valid MOU with **M/s Titagarh Rail Systems Limited, Kolkata, India** for clear cut undertaking that **M/s**

**Titagarh Rail Systems Limited, Kolkata, India** will make available parts and other accessories required for Water tanker Car and other hardware and software provided in water tanker Car in Enclosed **Form- MOU2**.

**f) Credential of Eligible projects executed:**

Requirement	Compliance Requirement		Documents
	Single Entity	Joint Venture	Submission Requirements
Total value of <b>Eligible Projects</b> work done during last 05 years and current year ending last day of month previous to the one in which tender is invited should be minimum <b>50%</b> of Advertised Tender Value.	Must meet requirement	By JVs or collectively* by JV  <b>*Note:</b> Credential of only those JV members will be counted whose equity share in JV is of Minimum 25%.	The tenderer shall submit the Eligible Project work done certificates from the client(s) as detailed in <b>Form - 2A</b> . All documents, either original or photocopy should be attested by Notary.

**Definition of Eligible Projects:**

Operation and/or Maintenance of Rail Grinding Machine (including supply of spare parts & consumables of RGM) in Railway Sector in any country of the world.

and/or

Operation and/or Maintenance of Rail Inspection Vehicle for Rail Profile measurement (including supply of spare parts & consumables of RIV) in Railway Sector in any country of the world.

**Note:**

1. Eligible Projects Experience Certificates showing the payment received for work year wise duly fulfilling the prescribed eligibility criteria shall be considered while evaluating this bid.
2. Value of Eligible works done by a member in an earlier JV Firm shall be reckoned only to the extent of the concerned member's share in that JV firm for the purpose of satisfying his / her compliance to the above-mentioned technical eligibility criteria in the tender under consideration.
3. In case the tenderer/s is a partnership firm, the work experience shall be in the name of partnership firm only.
4. Eligible Projects Experience Certificates from Govt. organization /PSUs/Public Limited Company will be accepted. The certificate from Private individual/Private Company for whom such works are executed shall not be accepted.
5. For Technical Eligibility Criterion 1.3.13 (i) A (f), the value of Eligible Project work done by a member in an earlier JV Firm shall be reckoned only to the extent of the concerned member's share in that JV firm for the purpose of satisfying his / her compliance to the above-mentioned technical eligibility criteria in the tender under consideration.
6. Eligible Project work done value certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, work experience certificate issued by Public listed company having average annual turnover of Rs

500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.

7. In case tenderer submits Eligible Project work done value certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.

**(B) Financial Eligibility Criteria**

Criteria Requirement	Compliance Requirement		Submission Requirements
	Single Entity	Joint Venture	
<p>The tenderer must have minimum average annual contractual turnover of <b>V/N crore or V whichever is less</b>; where                      V= Advertised value of the tender in crores of Rupees                      N= Number of years prescribed for completion of work for which bids have been invited.                      The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover.                      The tenderers shall submit requisite information as per <b>Form - 2B</b>, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.</p>	Must meet requirement	JVs as whole	The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.

**Note:** In case the tenderer/s is a partnership firm, the turnover/Eligible Project work done value etc. shall be in the name of partnership firm only.

1. Contractual payments received by a Member in an earlier JV firm shall be reckoned only to extent of the concerned member's share in that JV Firm for the purpose of satisfying compliance of the above-mentioned financial eligibility criteria in tender for considerations.
2. Any payment received as PVC for value of Eligible Project work done shall be considered.
3. In case of newly formed partnership firm, the credentials of individual partners from previous propriety firm(s) or dissolved previous partnership firm(s) or split previous partnership firm(s), shall be considered only to the extent of their share in previous entity on the date of dissolution / split and their share in newly formed partnership firm. For example, a partner A had 30% share in previous entity and his share in present partnership firm is 20%. In the present tender under consideration, the credentials of partner A will be considered to the extent of  $0.3 \times 0.2$  \* value of the work done in the previous entity. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.
4. In case of existing partnership firm, if any one or more partners quit the partnership firm, the credentials of remaining partnership firm shall be re-worked out i.e., the quitting partner(s) shall take away his credentials to the extent of his share on the date of quitting the partnership firm (e.g. in a partnership firm of partners A, B & C having share 30%, 30% & 40% respectively and credentials of Rs 10 crore; in case partner C quits the firm, the credentials of this partnership firm shall remain as Rs 6 crore). For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.
5. In case of existing partnership firm if any other partner(s) joins the firm, the credentials of partnership firm shall get enhanced to the extent of credentials of newly added partner(s) on the same principles as mentioned in item 6 above. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deeds, dissolution/splitting deeds and proof of surrender of PAN No.(s) in case of dissolution of partnership firm etc.
6. Any partner in a partnership firm cannot use or claim his credentials in any other firm without leaving the partnership firm i.e., In a partnership firm of A&B partners, A or B partner cannot use credentials of partnership firm of A&B partners in any other partnership firm or propriety firm without leaving partnership firm of A&B partners.
7. In case a partner in a partnership firm is replaced due to succession as per succession law, the proportion of credentials of the previous partner will be passed on to the successor.
8. If the percentage share among partners of a partnership firm is changed, but the partners remain the same, the credentials of the firm before such modification in the share will continue to be considered for the firm as it is without any change in their value. Further, in case a partner of partnership firm retires without taking away any credentials from the firm, the credentials of partnership firm shall remain the same as it is without any change in their value.
9. In a partnership firm "AB" of A & B partners, in case A also works as propriety firm "P" or partner in some other partnership firm "AX", credentials of A in propriety firm "P" or in other partnership firm "AX" earned after the date of becoming a partner of the firm AB shall not be added in partnership firm AB.
10. In case a tenderer is LLP, the credentials of tenderer shall be worked out on above lines similar to a partnership firm.



11. In case company A is merged with company B, then company B would get the credentials of company A also.

**Note:**

In case, the tenderer/s failed to submit the above statement along with offer, their/his offer shall be considered as incomplete and will be rejected summarily.

**1.3.13 (ii) Credentials of Tenderer**

The tenderer shall provide satisfactory evidence in support of their technical and financial eligibility, which are acceptable to DFCCIL, as follows:

- (a) For Technical eligibility criteria, the details will be submitted in **Form - 2A, Form – MPD, Form-TSL1, Form -MOU1**(if applicable) and **Form- MOU2** (if applicable) along with supporting documents.
- (b) For Financial eligibility criteria, the details will be submitted in **Form - 2B** along with supporting documents.

The following will be applicable for evaluating the eligibility, the tenderer shall be considered disqualified/in-eligible if:

- The Tenderer or any of its partners and/or subcontractors included in the tender has been banned for business with Ministry of Railways/DFCCIL along with any of its attached and subordinate offices through an order issued by Ministry of Railways as per list available on Website (<http://www.indianrailways.gov.in>) of Railway Board pertaining to banning of Business, with the banning being valid as on the date of submission the Tender.
- The Tenderer or any of its partners has suffered bankruptcy / insolvency or it is in the process of winding-up or there is a case of insolvency pending before any Court on the deadline of submission of application.
- For the purposes of conversion of foreign currency to Indian rupees (INR) Bank Currency (BC) selling exchange rates as published by State Bank of India on the date 28 days prior to date of submission of tender shall be used. For few of the currencies where BC selling rates are not published by SBI or reserve bank of India, the exchange rate may be obtained from website- <http://www.oanda.com/currency/historical-rates> or <http://www.xe.com>.
- For the purpose of evaluation of proposals, all values given in INR in eligible qualification criteria and the values provided by the applicants in the proposal in the currencies other than INR shall be converted into one i.e. INR as per exchange rate mentioned in above para.

**1.3.13 (iii) System of Verification of Tenderer's Credential:**

1. For this tender, it has been decided to adopt the certificate based (Form self- attested is required. Signature, Stamp on Each Page). The tenderer shall submit along with the tender document, documents in support of his/their claim to fulfill the legibility criteria as mentioned in the tender document. Each page of the copy of documents/certificates in support of certificates submitted by the tenderer shall be self– attested/ digitally signed by the tenderer or authorized representative of the

tendering firm. Self –attestation shall include signature, stamp and date (on each page).

2. The tenderers shall submit a certificate stating that they are not liable to be disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the certificate to be submitted by the bidder is enclosed as **Form -17**. In addition to **Form -17**, in case of other than Company/Proprietary firm, **Form –17A** shall also be submitted by the each member of a Partnership Firm / Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. as the case may be. Non submission of a certificate (**Form – 17** and **Form 17A**) by the bidder shall result in summary rejection of his/their bid. And it shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. It will not be obligatory on the part of Tender Committee to scrutinize beyond the submitted document of tenderer as far as his qualification for the tender is concerned.
3. The DFCCIL reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the DFCCIL, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the DFCCIL shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any right of the DFCCIL.
4. If the Tenderer/s deliberately gives any wrong information about credentials/ documents in his/their tenders and thereby create(s) circumstances for acceptance of his/their tender, DFCCIL reserves the right to reject such tender at any stage, besides, shall suspend business with such tenderer. The BID SECURITY of such tenderers shall also be forfeited.
5. In case of any wrong information submitted by tenderer, the contract shall be terminated, BID SECURITY and Performance (PG) of contract forfeited and agency barred for doing business on entire DFCCIL 2 (two) years.
6. In case any information submitted by tenderer is found to be false, forged or incorrect after the award of contract, the contract shall be terminated. Bid Security, Performance Guarantee and Security Deposit available with the DFCCIL shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and the agency shall be banned for doing business for a period of upto two years.

#### **1.3.14 Period of Completion**

The entire O & M work is required to be completed in all respects 12 years (144 months) from the date of issue of the acceptance letter.

#### **1.3.15 Pre-Bid Meeting**

A pre-bid meeting has been planned. It will be in physical and/or virtual mode. Link for the virtual meeting will be shared on the website [www.dfccil.com](http://www.dfccil.com) or [www.ireps.gov.in](http://www.ireps.gov.in). Details of the Pre-Bid meeting has been provided in the NIT and General Information / Data Sheet. Tenderer should give their queries in writing at least 3 days prior to Pre-bid meeting. All interested firms / contractors may attend the Pre-bid conference. DFCCIL response to

queries will be posted on the DFCCIL's website [www.dfccil.com](http://www.dfccil.com) and [/www.ireps.gov.in](http://www.ireps.gov.in). Non-attendance at the pre-bid conference will not be a cause for disqualification of the bidder. All communication between the DFCCIL and the tenderer shall be in writing. For the purposes of seeking clarification, the DFCCIL's address is:

Office of Group General Manager/Technical, DFCCIL

Room No.428, DFCCIL Corporate Office, Sector-145, NOIDA (Uttar Pradesh), India

#### 1.3.16 Quantum of work and materials:

The indicative schedule of quantities of various items of works is included in **Form – 4** of the tender documents and also detailed in Schedule of Requirement (**Chapter -II**) of this tender document.

#### 1.3.17 DFCCIL is not bound to accept any tender

The employer shall not be bound to accept the lowest or any tender or to assign any reason for non-acceptance or rejection of a tender. The employer reserves the right to accept any tender in respect of the whole or any portion of the work specified in the tender papers or to reduce the work or to accept any tender for less than the tendered quantities without assigning any reason whatsoever.

#### 1.3.18 Schedule of Prices

The **Form -4** of BID Documents List out the Schedule of Prices for various items. Based on these, the total tender value has also been worked out.

1.3.18.1 Complete and exhaustive list of OEM spare parts with due consultation of OEMs (M/s LORAM, USA, M/s Titagarh Rail Systems Limited, Kolkata, India and M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India) for DFCCIL RGM Formation and RIV, classified into following categories shall be furnished by the Bidder:

- i. **Recommended** - these are those parts covered under warranty claim and has to be replaced free of cost if fails during warranty period prescribed by bidder.
- ii. **Essential**- requirement of spares resulting from fair wear and tear and do not necessarily constitute a warranty claim.
- iii. **Consumables** - are those which are required are required for smooth working of RGM formation/RIV and get consumed and nothing is left except in case of filters.

1.3.18.2 All items of RGM Formation and RIV have to be classified under following Main Heads separately for RGM Formation and RIV in due consultation with OEMs (M/s Loram Maintenance of Way, Inc , USA, M/s Titagarh Rail Systems Limited, Kolkata, India and M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India):

- a. Engine (except filters)
- b. Hydraulics (except filters)
- c. Pneumatics, Air compressor (except filters)
- d. Grind System
- e. Electrical (System Equipment wiring and Traction motor Control)
- f. Electronics

- g. Gear Box, Bogie and Under frame
- h. Hardware, General Machine items
- i. Rubber Items
- j. Consumables- Oils, Lubricants, Coolants and Glycol water etc
- k. Consumables- All type of Filters.

1.3.18.3 RGM formation (RGI-11 Series) and RIV (121-Series) of M/s Loram Maintenance of Way, Inc , USA are required to be serviceable and operational round the clock for which reserve/inventory of various parts depending on lead time of procurement is essential to minimize the breakdown and the proposed inventory items in required quantity are to be procured immediately after the award of work. Care must be exercised by Bidders during deciding the inventory items/levels that none of planned inventory items becomes non usable depending on self-life of that part. For this Bidders have to propose Inventory yard stick with due consultation with OEMs (M/s Loram Maintenance of Way, Inc , USA, M/s Titagarh Rail Systems Limited, Kolkata, India and M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India) of RGM Formation and ROV in following format (**Form – 3A**) and has to submit the same with Technical Bid by Bidder:

SN	Name of Rolling stock (Front Car, GC, Camp Coach, water car., RIV)	Main Head as mentioned in item No 1.3.18.2	OEM Part No as per OEM parts catalogue	OEM Part Description as mentioned in OEM parts catalogue	Brand/ Make of Item	Indian/ Imported	Type of item (Recommended/ Essential/ Consumables)	Unit	Recommended Inventory level Qty	Minimum Inventory level Qty
1	2	3	4	5	6	7	8	9	10	11

1.3.18.4 Details of all items of main heads (Head wise) mentioned in item No.1.3.18.2 above, are required for O & M of RGM formation and RIV along with the rate and other details required in following format (**Form – 3B**) for schedule B items of SOR and (**Form – 3C**) for schedule C items of SOR are to be submitted by the bidders along with their Bid :

SN	Name of Rolling stock (Front Car, GC, Camp Coach, water car., RIV)	Main Head as mentioned in item No 1.3.18.2	OEM Part No as per OEM parts catalogue	OEM Part Description as mentioned in OEM parts catalogue	Brand/ Make of Item	Warranty Period, if applicable (in months)	Type of item (Recommended / Essential/ Consumables)	Indian/ Imported	Unit	Unit Cost without GST	% GST rate	Proposed Index for calculating PVC
1	2	3	4	5	6	7	8	9	10	11	12	13

Note:

- a) Index No. and Index Name along with country name of each item (both for Indigenous or imported) shall be mentioned by Bidder for cost escalation purpose.
- b) In case, any Zonal Railway of Indian Railway issue any purchase order of some spare part of

RGM Formation/RIV or consumable required for RGM formation/RIV whose brand, make and type is same as mentioned OEM parts catalog of the DFCCIL's RGM Formation/RIV to selected Bidder of this tender after award of this work, then payment to selected bidder of this tender will be made as per accepted rate of purchase order (PO)/Rate Contract LOA/AMC LOA issued by Zonal Railways. Priority of selection of rate will be in order Northern Railway, Western Railway, Central Railway, East Central Railway, North Central Railway, other Zonal Railways) provided finalized rate of Zonal railways are less than accepted rate (duly updated for PVC) of this tender.

- c) As per present Make in India policy, the selected Bidder has to try his best to develop Indian Sources for items which Bidder has planned to import in this tender. The rate of same will be decided mutually by DFCCIL and selected Bidder of this tender as and when needed and making necessary correction in OEM Parts Catalog of DFCCILs RGM Formation and RIV.

**1.3.19 Performance Guarantee:** Performance Guarantee shall be 5% of contract value. For Details refer to the relevant clause of GCC. The Format of B.G is attached as **Form -7**.

**1.3.20** The tenderer shall furnish information for making payment through ECS/ NEFT / RTGS in **Form – 8**. of RFP.

**1.3.21 Negotiation:**

Should DFCCIL decide to negotiate with a view to bring down the rates, the tenderer called for negotiations should furnish the following form of declaration before commencement of negotiations?

"I.....do declare that in the event of failure of contemplated negotiations relating to Tender No.-----dated-----my original tender shall remain open for acceptance on its original terms and conditions,"

**1.3.22 Site Inspection:**

Tenderers are requested to inspect the Machine which is offered for O & M and carry out careful examination of the same to satisfy them as to the nature of work involved and facilities available at the DFCCIL sites. They should note carefully all the existing structures and those under construction through other agencies. They should also study the suitability of utilizing the different equipment and the machinery that they intend to use for the execution of the work. The tenderers should also select suitable sites for the purpose of locating their store yard, laboratory, staff quarters etc.

**1.3.23** No form C & D shall be issued to the contractor for this work.

**1.3.24 Preliminary examination of bids**

- (a) The DFCCIL shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed and whether the bids are generally in order.
- (b) Arithmetical errors shall be rectified on the following basis if found. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, **the unit or subtotal price shall prevail**, and the total price shall be corrected.

- (c) The rates should be quoted in figures as well as in words. If there is variation between rates quoted in figures and in words, **the rate quoted in 'words' shall be taken as correct**. If more than one or improper rates are tendered for the same item, the tender is liable to be rejected.
- (d) Prior to the detailed evaluation, DFCCIL shall determine whether each bid is of acceptable quality, is generally complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding documents without material deviations, objections, conditionality or reservation. A material deviation, objections, conditionality or reservation is one:
- i. That affects in any substantial way the scope, quality or Performance of the contract.
  - ii. That limits in any substantial way, inconsistent with the bidding documents, the DFCCIL's rights or the successful Bidder's obligations under the contracts; or
  - iii. Whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive bids.
  - iv. If a bid is not substantially responsive, it shall be rejected by the DFCCIL.
  - v. In case of tenders containing any conditions or deviations or reservations about contents of tender document.
  - vi. All documents as mentioned in **Form – 19** not submitted.

### 1.3.25 Evaluation and comparison of tenders

In case of open tenders, bids, which are determined as substantially responsive, shall be evaluated based on criteria as given in Eligibility Criteria" and as given in Notice Inviting E-Tender. The tenderer must submit all necessary authentic data with necessary supporting certificates of the various items of evaluation criteria failing which his tender is liable to be rejected.

#### Technical Bid

The Bidder who qualifies Technical and Financial Eligibility Criteria as detailed in 1.3.13(i) A and 1.3.13(i) B and also satisfies all laid down provisions of this tender shall be selected for opening of Financial Bid.

#### Financial Bid

The Bidder who have quoted lowest Bid value among the selected bidders on the basis of Technical Bid selection and also had submitted the details asked in **Form -3B** and **Form- 3C** shall be selected for award of this work.

### 1.3.26 Canvassing

No tenderer is permitted to canvass to DFCCIL on any matter relating to this tender. Any Tenderer found doing so may be disqualified and his bid may be rejected.

### 1.3.27 Award of Contract

1. DFCCIL shall notify the successful tenderer in writing by a Registered Letter/Courier/Speed Post/Email or through bearer that his tender has been accepted.

2. Letter of Acceptance after it is signed by the Contractor in token of his acceptance shall constitute a legal and binding contract between DFCCIL and the contractor till such time the contract agreement is signed.

### **1.3.28 Understanding and Amendments of Tender Documents:**

1. The bidder must own all responsibilities and bear all cost for obtaining all the information including risks, contingencies & other circumstances in execution of the work. It shall also carefully read and understand all its obligations & liabilities given in tender documents.
2. The bidder is advised to visit and examine the site where the work is to be executed and its surroundings or other areas as deemed fit by the bidder and should obtain at his own cost all information that may be necessary for preparing the bid and execution of the contract. The cost of visiting the site and collecting relevant data shall be at the bidder's own expenses. It is a condition of the tender that the tenderer is deemed to have visited the site and satisfied himself with all the conditions prevailing including any difficulties executing the work.
3. At any time prior to the deadline for submission of bids, DFCCIL may for any reason whether at its own initiative or in response to any request by any prospective bidder amend the bidding documents by issuing Amendment, which shall be part of the Tender documents.
4. DFCCIL may at its discretion extend the deadline for submission of the bids at any time before the time of submission of the bids.

### **1.3.29 Provision for Micro & Small enterprises (MSE):**

As mandated by Railway Board Letter No. 2010/RS (G)/363/1 dated 05.07.2012 (RBS No. 4/2012), in compliance to public procurement policy, following provisions are included for Micro & Small Enterprises (MSE) in the tender document.

1. MSEs registered with the listed agencies for the item tendered will be exempted from payment of Earnest Money and Tender Document Cost. They have to submit Bid Security Exemption Declaration Form in **Form -6**
2. MSEs who are interested in availing themselves of these benefits will enclose with their offer, proof of their being MSE registered duly indicating the terminal validity date of their registration. Failing this, offers will not be liable for consideration of benefits detailed in MSE latest notification of Government of India .
2. All bidders registered under Micro, Small and Medium Enterprises (MSMEs) shall have to satisfy the eligibility criteria at par with other bidders. There shall not be any relaxation in eligibility criteria/tender process or other tender requirements and L-1 price.
3. The tenderer (s) shall submit copy of current and valid MSMEs registration certificate inclusive of all the pages showing the category of entrepreneur – whether the registered firm is owned by General or SC/ST entrepreneurs, monetary limit of their registration for the items tendered to avail the benefits under the policy. The MSMEs shall also submit a copy of "Entrepreneur's Memorandum (Part-II)" of the concerned district centre where

the unit is established.

4. Registration of Udyog Aadhar Memorandum (UAM): All Micro, Small and Medium Enterprises (MSMEs) bidders are required to declare UAM Number on CPPP /www. ireps.gov.in failing which such bidders will not be able to enjoy the benefits as per Public Procurement Policy for tenders invited electronically through CPPP /www. ireps.gov.in

**1.3.30 Employment/Partnership etc. of Retired Railway/DFCCIL Employees:**

(a) Should a tenderer

- (i) be a retired Engineer of the Gazetted rank or any other Gazetted officer working before his retirement, whether in the executive or administrative capacity or whether holding a pensionable post or not, in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, OR
- (ii) being partnership firm / joint venture (JV) / registered society / registered trust etc have as one of its partners a retired Engineer of the Gazetted rank or any other Gazetted officer working before his retirement, OR
- (iii) being an incorporated company have any such retired Engineer of the Gazetted rank or any other Gazetted officer working before his retirement as one of its directors, AND

in case where such Engineer or officer had not retired from government service at least 1 year prior to the date of submission of the tender, Then the tenderer will give full information as to the date of retirement of such Engineer or Gazetted officer from the said service and as to whether permission for taking such contract, or if the Contractor be a partnership firm or an incorporated company, to become a partner or director as the case may be, has been obtained by the tenderer or the Engineer or officer, as the case may be from the President of India or any officer, duly authorized by him in this behalf, shall be clearly stated in writing at the time of submitting the tender.

- (b) In case, upon successful award of contract, should a tenderer depute for execution of the works under or to deal matters related with this contract, any retired Engineer of gazette rank or retired Gazetted officer working before his retirement in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, and now in his employment, then the tenderer will ensure that retired Engineer or retired Gazetted officer had retired from government service at least 1 year prior to the date of his employment with tenderer and in case he had retired from service within a year then he possesses the requisite permission from the President of India or any officer, duly authorized by him in this behalf, to get associated with the tenderer.
- (c) No retired DFCCIL employee who retired from DFCCIL minimum 1 year before tender opening date shall be on roll of Contractor on bid opening date.
- (d) Should a tenderer or Contractor being an individual, have member(s) of his family or in the case of partnership firm/ company / joint venture (JV) / registered society / registered trust etc. one or more of his partner(s)/shareholder(s) or member(s) of the family of partner(s)/shareholder(s) having share of more than 1% in the tendering entity employed in Gazetted capacity in the Engineering or any other department of the DFCCIL, then the tenderer at the time of submission of tender, will inform the authority inviting tenders the details of such persons.

**Note:** If information as required above has not been furnished, the contract is liable to be



dealt in accordance with provision of clause 62 of Standard General Condition of contract.

### 1.3.31 Participation of Joint Venture (JV) in Works

1.3.31.1 Separate identity/name shall be given to the Joint Venture.

1.3.31.2 The number of members in a JV shall not be more than three. One of the members of the JV shall be its Lead Member who shall have a majority (at least 51%) share in the JV. The authorization of lead partner should be submitted in **Form-14**. The other members shall have a share of not less than 20% each. In case of JV with foreign member(s), the Lead Member has to be an Indian firm/company with a minimum share of 51%.

1.3.31.3 A member of JV shall not be permitted to participate either in individual capacity or as a member of another JV in the same tender.

The tender form shall be purchased and submitted only in the name of the JV and not in the name of any constituent member. The tender form can however be submitted by JV or any of its constituent member or any person authorized by JV through Power of Attorney (as per Form -13) to submit tender BID SECURITY shall be deposited by JV or authorized person of JV through e- payment gateway or as mentioned in tender document.

1.3.31.4 A copy of Memorandum of Understanding (MoU) in Form -10, duly executed by the JV members on a stamp paper, shall be submitted by the JV along with the tender. The complete details of the members of the JV, their share and responsibility in the JV etc. particularly with reference to financial, technical and other obligations shall be furnished in the MoU.

1.3.31.5 Once the tender is submitted, the MoU shall not be modified / altered / terminated during the validity of the tender. In case the tenderer fails to observe/comply with this stipulation, the full BID SECURITY shall be liable to be forfeited.

1.3.31.6 Approval for change of constitution of JV shall be at the sole discretion of the DFCCIL. The constitution of the JV shall not be allowed to be modified after submission of the tender bid by the JV, except when modification becomes inevitable due to succession laws etc., provided further that there is no change in qualification of minimum eligibility criteria by JV after change of composition. However, the Lead Member shall continue to be the Lead Member of the JV. Failure to observe this requirement would render the offer invalid.

1.3.31.7 Similarly, after the contract is awarded, the constitution of JV shall not be allowed to be altered during the currency of contract except when modification become inevitable due to succession laws etc. and minimum eligibility criteria should not get vitiated. Failure to observe this stipulation shall be deemed to be breach of contract with all Consequential penal action as per contract conditions.

1.3.31.8 On award of contract to a JV, a single Performance Guarantee shall be submitted by the JV as per tender conditions. All the Guarantees like Performance Guarantee, Bank Guarantee for Mobilization Advance, Machinery Advance etc. shall be accepted only in the name of the JV and no splitting of guarantees amongst the members of the JV shall be permitted.

1.3.31.9 On issue of Letter of Acceptance (LOA), the JV entity to whom the work has been awarded, with the same shareholding pattern as was declared in the MOU/JV Agreement (various items to be covered in JV agreement are as per **Form-11**) submitted along with the tender, shall be got registered before the Registrar of the Companies under 'The Companies Act -2013' (in case of Company) or before the Registrar/Sub-Registrar under the 'The Indian

Partnership Act, 1932' (in case of Partnership Firm) or under 'The LLP Act 2008' (in case of LLP). A separate PAN shall be obtained for this entity. The documents pertaining to this entity including its PAN shall be furnished to the DFCCILs before signing the contract agreement for the work.

In case the tenderer fails to observe/comply with this stipulation within 60 days of issue of LOA, contract is liable to be terminated. In case contract is terminated DFCCIL shall be entitled to forfeit the full amount of the Bid Security and other dues payable to the Contractor under this contract. The entity so registered, in the registered documents, shall have, inter-alia, following Clauses:

- 1.3.31.10 Joint And Several Liability - Members of the entity to which the contract is awarded, shall be jointly and severally liable to the DFCCIL for execution of the project in accordance with General and Special Conditions of Contract. The members of the entity shall also be liable jointly and severally for the loss, damages caused to the DFCCILs during the course of execution of the contract or due to non-execution of the contract or part thereof.
- 1.3.31.11 Duration of the Registered Entity - It shall be valid during the entire currency of the contract including the period of extension, if any and the maintenance period after the work is completed.
- 1.3.31.12 Governing Laws - The Registered Entity shall in all respect be governed by and interpreted in accordance with Indian Laws.
- 1.3.31.13 Authorized Member - Joint Venture members in the JV MoU shall authorize one of the members on behalf of the Joint Venture to deal with the tender, sign the agreement or enter into contract in respect of the said tender, to receive payment, to witness joint measurement of work done, to sign measurement books and similar such action in respect of the said tender/contract. All notices/correspondences with respect to the contract would be sent only to this authorized member of the JV.
- 1.3.31.14 No member of the Joint Venture shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other members and that of the DFCCIL in respect of the said tender/contract.
- 1.3.31.15 Documents to be enclosed by the JV along with the tender:
- 1.3.31.16 In case one or more of the members of the JV is/are partnership firm(s), following documents shall be submitted:
  - (i) A notarized copy of the Partnership Deed,
  - (ii) A copy of consent letter (in **Form -12**) of all the partners or individual authorized by partnership firm, to enter into the Joint Venture Agreement on a stamp paper.
  - (iii) A notarized or registered copy of Power of Attorney in favour of the individual to sign the MOU/JV Agreement on behalf of the partnership firm and create liability against the firm.
- 1.3.31.17 In case one or more members is/are HUF, the following documents shall be enclosed:
  - (i) A copy of notarized affidavit on Stamp Paper declaring that he who is signing the affidavit on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF.
- 1.3.31.18 In case one or more members of the JV is/are companies, the following documents shall

be submitted:

- (ii) A copy of resolutions of the Directors of the Company, permitting the company to enter into a JV agreement.
- (iii) The copies of MOA (Memorandum of Association) / AOA (Articles of association) of the company.
- (iv) A copy of Certificate of Incorporation.
- (v) A copy of Authorization/copy of Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender, sign MOU/JV agreement on behalf of the company and create liability against the company.

1.3.31.19 All the Members of JV shall certify that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders/contract on the date of opening of bids either in their individual capacity or as a member of the JV in which they were/are members.

1.3.31.20 All other documents in terms of explanatory notes in clause 1.3.13 Preamble & General Instruction to tenderer.

1.3.31.21 Credentials & Qualifying Criteria: Technical and financial eligibility of the JV shall be adjudged based on satisfactory fulfillment of the following criteria:

**1.3.31.22 Technical Eligibility Criteria:**

The technical eligibility for the work as per para 1.3.13.(i). A Preamble & General Instruction to tenderer above, shall be satisfied by either the 'JV in its own name & style' or 'any member having min 25 % share'. Each other member of JV shall have Eligible Project work done credential of minimum 5 % of the cost of work i.e. each JV member must have satisfactorily executed during the last 05 (five) years, and current year ending last day of month previous to the one in which tender is invited.

**Note:**

Value of a Eligible Project work done credential by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying his/her compliance to the above-mentioned technical eligibility criteria in the tender under consideration.

**1.3.31.23 Financial Eligibility Criteria**

The JV shall satisfy the requirement of "Financial Eligibility" mentioned at para 1.3.13.(i). B Preamble & General Instruction to tenderer. The "financial capacity" of the lead partner of JV shall not be less than 51% of the financial eligibility criteria mentioned at para 1.3.13.(i).B Preamble & General Instruction to tenderer.

The arithmetic sum of individual "financial capacity" of all the members shall be taken as JV's "financial capacity" to satisfy this requirement.

**Note:** Contractual payment received by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying compliance of the above-mentioned financial eligibility criteria in the tender under consideration.

**1.3.32 Participation of Partnership Firms in tenders:**

- 1.3.32.1 The Partnership Firms participating in the tender should be legally valid under the provisions of the Indian Partnership Act.
- 1.3.32.2 The partnership firm should have been in existence or should have been formed prior to submission of tender. Partnership firm should have either been registered with the Registrar or the partnership deed should have been notarized prior to date of tender opening as per the Indian Partnership Act.
- 1.3.32.3 Separate identity / name should be given to the partnership firm. The partnership firm should have PAN/TAN number in its own name and PAN/TAN number in the name of any of the constituent partners shall not be considered. The valid constituents of the firm shall be called partners.
- 1.3.32.4 Once the tender has been submitted, the constitution of the firm shall not normally be allowed to be modified / altered / terminated during the validity of the tender as well as the currency of the contract except when modification becomes inevitable due to succession laws etc., in which case prior permission should be taken from DFCCIL and in any case the minimum eligibility criteria should not get vitiated. The re-constitution of firm in such cases should be followed by a notary certified Supplementary Deed. The approval for change of constitution of the firm, in any case, shall be at the sole discretion of the DFCCILs and the tenderer shall have no claims what-so-ever. Any change in the constitution of Partnership firm after opening of tender shall be with the consent of all partners and with the signatures of all partners as that in the Partnership Deed. Failure to observe this requirement shall render the offer invalid and full BID SECURITY shall be forfeited.
- If any Partner/s withdraws from the firm after opening of the tender and before the award of the contract, the offer shall be rejected and BID SECURITY of the tenderer will be forfeited. If any new partner joins the firm after opening of tender but prior to award of contract, his / her credentials shall not qualify for consideration towards eligibility criteria either individually or in proportion to his share in the previous firm. In case the tenderer fails to inform DFCCIL beforehand about any such changes / modification in the constitution which is inevitable due to succession laws etc. and the contract is awarded to such firm, then it will be considered a breach of the contract conditions liable for determination of the contract under Clause 62 of General Conditions of Contract.
- 1.3.32.5 A partner of the firm shall not be permitted to participate either in his individual capacity or as a partner of any other firm in the same tender.
- 1.3.32.6 The tender form shall be submitted only in the name of partnership firm. The BID SECURITY shall be deposited by partnership firm through e-payment gateway or as mentioned in tender document. The BID SECURITY submitted in the name of any individual partner or in the name of authorized partner (s) shall not be considered.
- 1.3.32.7 One or more of the partners of the firm or any other person (s) shall be designated as the authorized person (s) on behalf of the firm, who will be authorized by all the partners to act on behalf of the firm through a "Power of Attorney", specially authorizing him / them to submit & sign the tender, sign the agreement, receive payment, witness measurements, sign measurement books, make correspondences, compromise / settle / relinquish any claim (s) preferred by the firm, sign "No Claim Certificate", refer all or any dispute to

arbitration and to take similar such action in respect of the said tender / contract. Such "Power of Attorney" shall be notarized / registered and submitted along with the tender.

- 1.3.32.8 On issue of Letter of Acceptance (LOA) to the partnership firm, all the guarantees like Performance Guarantee, Guarantee for various Advances to the Contractor shall be submitted only in the name of the partnership firm and no splitting of guarantees among the partners shall be acceptable.
- 1.3.32.9 On issue of Letter of Acceptance (LOA), contract agreement with partnership firm shall be executed in the name of the firm only and not in the name of any individual partner.
- 1.3.32.10 In case the Letter of Acceptance (LOA) is issued to a partnership firm, the following undertakings shall be furnished by all the partners through a notarized affidavit, before signing of contract agreement.
- a) Joint and several liabilities: The partners of the firm to which the Letter of Acceptance (LOA) is issued shall be jointly and severally liable to the DFCCIL for execution of the contract in accordance with General and Special Conditions of the Contract. The partners shall also be liable jointly and severally for the loss, damages caused to the DFCCIL during the course of execution of the contract or due to non-execution of the contract or part thereof.
  - b) Duration of the partnership deed and partnership firm agreement: The partnership deed/partnership firm agreement shall normally not be modified/alterd/ terminated during the currency of contract and the maintenance period after the work is completed as contemplated in the conditions of the contract. Any change carried out by partners in the constitution of the firm without the permission of DFCCIL, shall constitute a breach of the contract, liable for determination of the contract under Clause 62 of the General Conditions of Contract.
  - c) Governing laws: The partnership firm agreement shall in all respect be governed by and interpreted in accordance with the Indian laws.
  - d) No partner of the firm shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other partner/s and that of the DFCCIL.
- 1.3.32.11 The tenderer shall clearly specify that the tender is submitted on behalf of a partnership firm. The following documents shall be submitted by the partnership firm, with the tender:
- (i) A notarized copy of partnership deed.
  - (ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm.
  - (iii) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of opening of bids, either in their individual capacity or in any firm in which they were / are partners. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.
  - (iv) All other documents in terms of explanatory notes in clause 1.3.13 Preamble & General Instruction to tenderer.

1.3.32.12 Evaluation of eligibility of a partnership firm:

Technical and financial eligibility of the firm shall be adjudged based on satisfactory fulfillment of the eligibility criteria laid down in Clause 1.3.13 Preamble & General Instruction to tenderer.

1.3.33 Various provision of GoI policy of Public Procurement (Preference to Make in India), Order No.45021/2/2017-PP(BE-II) dated 16.09.2020 (copy enclosed as **Form-18 (MII)**) shall be applicable for this tender.

1.3.34 If any Bidder or its Member is from such countries sharing a land border with India, then that bidder will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority. The Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), India. For interpretation of this clause Department of Expenditure, Ministry of Finance, Government of India letter F.No.6/18/2019-PPD letter dated 23/07/2020 shall be referred.

1.3.35 **Integrity Pact:** The integrity pact duly executed and signed by the Bidder, or his Authorized Representative shall be submitted at time of Bidding. The Performa for Integrity Pact is placed as **Form – 15 (IP)**.

## **CHAPTER - IV**

### **GENERAL CONDITIONS OF CONTRACT**

## CHAPTER - IV

### General Conditions of Contract

#### DEFINITIONS AND INTERPRETATION

- 1.(1). **Definition:** In these General conditions of Contract for O & M phase, the following terms shall have the meaning assigned hereunder except where the context otherwise requires:
- (a) "**DFCCIL**" shall mean the Managing Director/Dedicated Freight Corridor Corporation of India Limited or the Administrative Officers of the DFCCIL or of the Successor authorized to deal with any matter which these presents are concerned on his behalf.
  - (b) "**Managing Director/ Director of DFCCIL**" shall mean the officer - in-charge of the General Superintendence and Control of the DFCCIL and shall mean and include their successors, of the successor DFCCIL and shall also include.
  - (c) "**Chief General Manager/ General Manager**" shall mean the officer - in-charge of the Engineering Department of DFCCIL. and shall also include GGM of DFCCIL.
  - (d) "**Executive Director**" shall mean the Officer in-charge of a DFCCIL corridor and shall also mean any officer nominated by "DFCCIL" and shall mean and include their successors of the successor DFCCIL.
  - (e) "**Engineer**" and Employer's Engineer shall mean the General Manager (Civil)/Dy. Chief Project Manager/Project (Civil) of DFCCIL/PMC appointed by DFCCIL.
  - (f) "**Engineer's Representative**" shall mean the DPM/APM /JPM./Sr. Executive/ Executive (Civil) of DFCCIL in direct charge of the work and shall mean and include the Engineer's Representative of the PMC appointed by DFCCIL.
  - (g) "**Contractor/O & M Contractor**" shall mean the person/Firm/ Company/JV whether incorporated or not who enters into the contract with the DFCCIL and shall include their executors, administrators, and successors and permitted assigns.
  - (h) "**Contractor's authorized engineer**" shall mean a graduate engineer having more than 3 years' experience in the relevant field of O & M of track machines involved in the contract, duly approved by Engineer.
  - (i) "**Contract/ O & M Contract**" shall mean and include the Agreement, the accepted schedule of rates for items of O & M work quantified, General Conditions of Contract, Special Conditions of Contracts Drawings, Specifications, Terms of Reference, Operation and Maintenance Provisions of RGM Formation & RIV any any other tender provisions and all other documents included as part of contract.
  - (j) "**Works**" shall mean the Operation and Maintenance of DFCCIL RGM Formation and RIV for its intended use/ works to be executed in accordance with the contract.
  - (k) "**Specifications**" shall mean the Specifications for goods, materials and works referred / mentioned in tender documents.
  - (l) "**Temporary Works**" shall mean all temporary works of every kind required for the execution



completion and/or maintenance of the RGM Formation and RIV Machines

- (m) **"Site"** shall mean the track machine and DFCCIL track/land and other places on, under, in or through which the works are to be carried out and any other lands or places provided by the DFCCIL for the purpose of the Contract.
- (n) **"Period of Maintenance"** shall mean the Defect liability period/ warranty for the Machine parts supplied by the contractor.
- (o) **"Bid" or "Tender", "Bidder" or "Tenderer" or "contractor"** wherever appearing in this tender document shall have the same and interchangeable meaning.
- 1.(2). Singular and Plural: - Words importing the singular number shall also include the plural and vice versa where the context requires.
- 1.(3). Headings & marginal headings: -The headings and marginal headings in these general conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or the contract.

### GENERAL OBLIGATION

- 2.(1). **Execution Co-relation and intent of contract Documents:** -The contract documents shall be signed in triplicate by DFCCIL and the Contractor. The contract documents are complementary, and what is called for by anyone shall be as binding as if called for by all, the intention of the documents is to include all labor and materials, equipment and transportation necessary for the proper execution of work. Materials or work not covered by or properly inferable from any heading or class of the specifications shall not be supplied by the DFCCIL to the contractors unless distinctly specified in the contract documents. Materials or works described in words which so applied have a well-known technical or trade meaning shall be held to refer to such recognized standards.
- 2.(2). If a work is transferred from the jurisdiction of one DFCCIL unit to another DFCCIL unit or to a Project Authority/DFCCIL or vice versa while contract is in subsistence, the contract shall be binding on the Contractor and the Successor DFCCIL unit/Project in the same manner & take effect all respects as if the Contractor and the Successor DFCCIL unit/Project were parties there to from the inception and the corresponding officer or the Competent Authority in the Successor DFCCIL unit/Project will exercise the same powers and enjoy the same authority as conferred to the Predecessor DFCCIL unit/Project under the original contract/agreement entered into.
- 2.(3). If for administrative or other reasons the contract is transferred to the Successor DFCCIL unit/Successor Project Authority of DFCCIL the contract shall notwithstanding any things contained herein contrary there to, be binding on the Contractor and the Successor DFCCIL unit /Project Authority/ DFCCIL in the same manner and take effect in all respect as if the Contractor and the Successor DFCCIL unit/ successor Project Authority of DFCCIL had been parties thereto from the date of this contract. The contract shall be Administered/Managed by GGM/CGM/GM/CPM/nominated by DFCCIL.
- 3.(1). **Law governing the contract:** This agreement and the relationship between the parties shall be governed construed and interpreted in accordance with applicable laws of India. Applicable laws shall mean all laws, bye-laws, statutes, rules, regulations, orders, ordinances, codes, guidelines, notices, directions, judgements, decrees or other requirements or official directives and/or of any statutory authority in the Republic of India."
- 3.(2). **Compliance to regulations and bye-laws:-**The contractor shall conform to the provision of any

statute relating to the works and regulations and by-laws of any location authority and of any water and lighting companies or undertakings, with whose system the work is proposed to be connected and shall before making any variation from the drawings or the specifications that may be necessitated by so confirming give to the Engineer notice specifying the variation proposed to be made and the reasons for making the variation and shall not carry out such variation until he has received instructions from the Engineer in respect thereof. The contractor shall be bound to give all notices required by statute, regulations or bye-laws as aforesaid and to pay all fees and taxes payable to any authority in respect of this.

4. **Communications to be in writing:** - All notices, communications, reference and complaints made by the DFCCIL or the Engineer or the Engineer's representative or the contractor inters concerning the work shall be in writing and no notice, communication, reference or complaint not in writing shall be recognized.
5. **Service of Notices on Contractor:-**The contractor shall furnish to the Engineer the name designation and address of his authorized agent and all complaints, notices, communications and references shall be deemed to have been duly given to the contractor if delivered to the contractor or his authorized agent or left at or posted to the address so given and shall be deemed to have been so given in the case of posting on day on which they would have reached such address in the ordinary course of post or on the day on which they were so delivered or left. In the case of contract by partners, any change in the constitution of the firm shall be forthwith notified by the contractor to the Engineer.
6. **Occupation and use of land:** - No land belonging to or in the possession of the DFCCIL shall be occupied by the Contractor without the permission of the DFCCIL. The Contractor shall not use, or allow to be used, the site for any purposes other than that of executing the works. Whenever non-railway bodies / persons are permitted to use DFCCIL premises with competent authority's approval, conservancy charges as applicable from time to time may be levied.
7. **Assignment or subletting of contract:** Not applicable for this work.
8. **Assistance by DFCCIL for the Stores to be obtained by the Contractor:** - Owing to difficulty in obtaining certain materials (including Tools & Plant) in the market, the DFCCIL may agree without any liability therefore to endeavor to obtain or assist the contractor in obtaining the required quantities of such materials as may be specified in the tender. In the event of delay or failure in obtaining the required quantities of the aforesaid material the contractor shall not be deemed absolved of his own responsibility and shall keep in touch with day to day positions regarding their availability and accordingly adjust progress of works including employment of labour and the DFCCIL shall not in any way be liable for the supply of materials or for the non-supply thereof for any reasons whatsoever nor for any loss or damage arising in consequence of such delay or no supply.
9. **Deleted**
10. **Carriage of materials:** - No forwarding orders shall be issued by the DFCCIL for the conveyance of contractor's materials, tools and plant by Rail which may be required for use in the O & M works and the contractor shall pay full freight charges at public tariff rates therefore.
11. **Deleted**
12. **Representation on O & M works:-**The contractor shall, when he is not personally present on the site of the O & M works place and keep a responsible agent at the O & M works during working hours who shall on receiving reasonable notice, present himself to the Engineer and orders given by the Engineer or the engineer's representative to the agent shall be deemed to have the same force as if they had been given to the Contractor. Before absenting himself, the contractor shall

furnish the name and address of his agent for the purpose of this clause and failure on the part of the Contractor to comply with this provision at any time will entitle the DFCCIL to rescind the contract under clause 62 of these conditions.

13. **Relics and Treasures:** -Not Applicable to this contract.
14. **Excavated material:** - Not Applicable to this contract.
15. **Indemnity by Contractors:** - The contractor shall indemnify and save harmless the DFCCIL from and against all actions, suit proceedings losses, costs, damages, charges, claims and demands of every nature and description brought or recovered against the DFCCIL by reason of any act or omission of the contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained.

**16.(1) Security Deposit:** The Security Deposit shall be 5% of the contract value. The Bid Security submitted by the Contractor with his tender will be retained/uncashed by the DFCCIL as part of security for the due and faithful fulfillment of the contract by the Contractor. Provided further that, if Contractor submits the Cash or Term Deposit Receipt issued from a Scheduled commercial bank of India or irrevocable Bank Guarantee Bond from a Scheduled commercial bank of India, either towards the Full Security Depositor the Part Security Deposit equal to or more than Bid Security, the DFCCIL shall return the Bid Security, to the Contractor.

Balance of Security Deposit may be deposited by the Contractor in cash or Term Deposit Receipt issued from Scheduled commercial bank of India or irrevocable Bank Guarantee bond issued from Scheduled commercial bank of India, or may be recovered at the rate of 6% of the bill amount till the full Security Deposit is recovered. Provided also that in case of defaulting Contractor, the DFCCIL may retain any amount due for payment to the Contractor on the pending "on account bills" so that the amounts so retained (including amount guaranteed through Performance Guarantee) may not exceed 10% of the total value of the contract.

The Irrevocable Bank Guarantee submitted towards Security deposit shall be initially valid up to the stipulated date of Maintenance period plus 60 days and shall be extended from time to time, depending upon extension of contract granted in terms of Clause 17A of the General Conditions of Contract.

**Note:** Security Deposit deposited in cash by the Contractor or recovered from the running bills of a Contractor or submitted by contractor as Term Deposit Receipt(s) can be refunded/returned to the contractor, in lieu of irrevocable Bank Guarantee bond issued from scheduled commercial bank of India, to be submitted by him, for an amount equal to or more than the already available Security Deposit, provided however that, in a contract of value less than Rs. 50 Crore, such refund/return of the already available Security Deposit is permitted up to two times and in a contract of value equal to or more than Rs. 50 Crore, such refund / return of the already available Security Deposit is permitted up to three times.

- 16.(2) (i) Refund of Security Deposit:** Security Deposit mentioned in sub clause (1) above shall be returned to the Contractor along with or after, the following:
- (a) Final Payment of the Contract as per clause 51.(1) **and**
  - (b) Execution of Final Supplementary Agreement or Certification by Engineer that DFCCIL has No Claim on Contractor.
- 16.(2) (ii) Forfeiture of Security Deposit:** Whenever the contract is rescinded under clause 62 (1) of these conditions, the Security Deposit already with DFCCIL under the contract shall be forfeited.

**16.(3)** No interest shall be payable upon the Bid Security and Security Deposit or amounts payable to the Contractor under the Contract, but Government Securities deposited in terms of Sub-Clause 16.(4)(b) of this clause will be payable with interest accrued thereon.

**16.(4) Performance Guarantee**

The procedure for obtaining Performance Guarantee is outlined below:

(a) The successful bidder shall have to submit a Performance Guarantee (PG) within 21 (Twenty-one) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 (Twenty-one) days and upto 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement. However, a penal interest of 12% per annum shall be charged for the delay beyond 21 (Twenty-one) days, i.e. from 22<sup>nd</sup> day after the date of issue of LOA. Further, if the 60<sup>th</sup> day happens to be a declared holiday in the concerned office of the DFCCIL, submission of PG can be accepted on the next working day.

In all other cases, if the Contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract is liable to be terminated. In case contract is terminated DFCCIL shall be entitled to forfeit Bid Security and other dues payable to the contractor against that particular contract, subject to maximum of PG amount. In case a tenderer has not submitted Bid Security on the strength of their registration as a Startup recognized by Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect.

The failed Contractor shall be debarred from participating in re-tender for that work.

(b) The successful bidder shall submit the Performance Guarantee (PG) in any of the following forms, amounting to 5% of the original contract value:

- (i) A deposit of Cash;
- (ii) Irrevocable Bank Guarantee;
- (iii) Government Securities including State Loan Bonds at 5% below the market value;
- (iv) Pay Orders and Demand Drafts tendered by any Scheduled Commercial Bank of India;
- (v) Guarantee Bonds executed or Deposits Receipts tendered by any Scheduled Commercial Bank of India;
- (vi) Deposit in the Post Office Saving Bank;
- (vii) Deposit in the National Savings Certificates;
- (viii) Twelve years National Defence Certificates;
- (ix) Ten years Defence Deposits;
- (x) National Defence Bonds and
- (xi) Unit Trust Certificates at 5% below market value or at the face value whichever is less. Also, FDR in favour of GGM/Finance/DFCCIL (free from any encumbrance) may be accepted.

(c) The Performance Guarantee shall be submitted by the successful bidder after the Letter of Acceptance (LOA) has been issued, but before signing of the contract agreement. This P.G. shall be initially valid upto the stipulated date of completion plus 60 days beyond that. In case, the time for completion of work gets extended, the Contractor shall get the validity of P.G.

extended to cover such extended time for completion of work plus 60 days.

- (d) The value of PG to be submitted by the Contractor is based on original contract value and shall not change due to subsequent variation(s) in the original contract value.
- (e) The Performance Guarantee (PG) shall be released after physical completion of the work based on 'Completion Certificate' issued by the competent authority stating that the Contractor has completed the work in all respects satisfactorily.
- (f) Whenever the contract is rescinded, the Performance Guarantee already submitted for the contract shall be encased.
- (g) The Engineer shall not make a claim under the Performance Guarantee except for amounts to which the DFCCIL is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
  - (i) Failure by the Contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer may claim the full amount of the Performance Guarantee.
  - (ii) Failure by the Contractor to pay DFCCIL any amount due, either as agreed by the Contractor or determined under any of the Clauses/Conditions of the Agreement, within 30 days of the service of notice to this effect by Engineer.
  - (iii) The Contract being determined or rescinded under clause 62 of these conditions.

**17 Force Majeure Clause:-** If at any time, during the continuance of this contract, the Performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enemy, civil commotion, sabotage, serious loss or damage by fire, explosions, epidemics, strikes, lockouts or act of God (hereinafter, referred to events) provided, notice of the happening of any such event is given by either party to the other within 30 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance of delay in performance, and works under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Engineer as to whether the works have been so resumed or not shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 120 days, either party may at its option terminate the contract by giving notice (notice period of 60 days) to the other party.

17-A. **Extension of time in Contracts:** If required extension of time of O & M contract may be given if both parties agrees for the same at original terms and condition of contract and at original rates.

17-B. **Deleted.**

17-C. **Bonus for Early Completion of Work:** Not applicable to this contract.

18.(1). **Illegal Gratification:-** Any bribe, commission, gift or advantage given, promised or offered by or on behalf to the contractor or his partner, agent or servant or, anyone on his behalf, to any officer or employee of the DFCCIL, or to any person on his behalf in relation to obtaining or execution of this or any other contract with the DFCCIL shall, in addition to any criminal liability which he may incur, subject contractor to the rescission of the contract and all other contracts with the DFCCIL and to the payment of any loss or damage resulting from such decision and the DFCCIL shall be entitled to deduct the amounts so payable from any moneys due to the Contractor(s) under this contract or any other contracts with the DFCCIL.

18.(2). The contractor shall not lend or borrow from or have or enter into any monitory dealings and transactions either directly or indirectly with any employee of the DFCCIL and if he shall do so, the

DFCCIL shall be entitled forthwith to rescind the contract and all other contracts with the DFCCIL. Any question or dispute as to the commission or any such offence or compensation payable to the DFCCIL under this clause shall be settled by the GGM/GM /CGM of the DFCCIL, in such a manner as he shall consider fit and sufficient and his decision shall be final and conclusive. In the event of rescission of the contract under this clause, the contractor will not be paid any compensation whatsoever except payments for the work done up to the date of rescission.

## EXECUTION OF WORKS

- 19.(1). **Contractor's understanding:-** It is understood and agreed that the contractor has, by careful examination, satisfied himself as to the nature and location of the work, the conformation of the ground, the character, quality and quantity of the materials to be encountered, the character of equipment and facilities needed preliminary to and during the progress of the works, the general and local conditions, the labour conditions prevailing therein and all other matters which can in any way affect the works under the contract.
- 19 (2) Commencement of works:** The contractor shall commence the works within 15 days from the date of issue of Letter of Acceptance (LOA) in writing to this effect from the Engineer and shall proceed with the same with due expedition and without delay. The DFCCIL and Contractor shall prepare advance 15 days advance program of Grinding work duly factoring the traffic block periods and maintenance schedule of machines.
- 19.(2). **Setting out of works:** The existing sectional features/GMT data etc of track will be provided by DFCCIL. Rail profile is to be recorded by O & M Contractor by RIV and analyses of recorded data to be done by O & M Contractor and accordingly rail grinding has to be done with aim to achieve 80% GQI value as mentioned in this tender. The contractor provides all facilities like labour and instruments and shall co- operate with the Engineer's representative to check the quality of work done. Such checking shall not absolve the contractor of his own responsibility of maintaining accuracy in the work.
- 20.(1). **Compliance to Engineer's instructions:** -The Engineer shall direct the order in which the several parts of the works shall be executed and the contractor shall execute without delay all orders given by the Engineer from time to time but the contractor shall not be relieved thereby from responsibility for the due performance of the works in all respects.
- 20.(2). **Alterations to be authorized:** No alterations in or additions to or omissions or abandonment of any part of the works shall be deemed authorized, except under instructions from the Engineer, and the contractor shall be responsible to obtain such instructions in each and every case in writing from the Engineer.
- 20.(3). **Extra works:** Any works over and above those included in the contract require to be executed, the contractor shall have no right to be entrusted with the execution of such works which may be carried out by another contractor or contractors or by other means at the option of the DFCCIL.
- 20.(4). **Separate contracts in connection with works:** The DFCCIL shall have the right to let other contracts in connection with the works. The contractor shall afford other contractors' reasonable opportunity for the storage of their materials and the execution of their works and shall properly connect and coordinate his work with theirs. If any part of the contractor's work depends for proper execution or result upon the work of another contractor(s), the contractor shall inspect and promptly report to the Engineer any defects in such works that render it unsuitable for such proper execution and results. The contractor's failure so-to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of his work, except as to defects which may develop in the other contractor's work after the execution of his work.

21. **Instruction of Engineer's Representative:** - Any instructions or approval given by the Engineer's representative to contractor in connection with the works shall bind the contractor as though it had been given by the Engineer provided always as follows:
- a. Failure of the Engineer's representative to disapprove any work or materials shall not prejudice, the power of the Engineer thereafter to disapprove such work or material and to order the removal or breaking up thereof.
  - b. If the Contractor shall be dissatisfied by reason of any decision of the Engineer's representative, he shall be entitled to refer the matter to the Engineer who shall there upon confirm or vary such decision.
- 22.(1) **Adherence to specifications:** - The whole of the works shall be executed in perfect conformity with the specifications of the contract. If the contractor performs any works in a manner contrary to the specifications and without such reference to the Engineer he shall bear all the costs arising or ensuing therefore and shall be responsible for all loss to the DFCCIL.
- 22.(2) **Specifications of the works:** - The contractor shall keep one copy of Contract Agreement/specifications at the site, in good order, and such contract documents as may be necessary available to the Engineer or the Engineer's representative.
- 22.(3) **Ownership of specifications:** - All specifications and copies thereof furnished by the DFCCIL to the Contractor are deemed to be the property of the DFCCIL. They shall not be used on other works and with the exception of the signed contract set, shall be returned by the contractor to the DFCCIL on completion of the work or termination of the contract.
- 22.(4) **Compliance with Contractor's request for details:** - The Engineer shall furnish with reasonable promptness, after receipt by him of the contractor's request for the same, additional instructions, necessary for the proper execution of the works or any part thereof. All such instructions shall be consistent with the contract Documents and reasonably inferable there from.
- 22.(5) **Meaning and intent of specification:-** If any ambiguity arises as to the meaning and intent of any portion of the specifications or as to execution or quality of any work or material, or as to the measurements of the works the decision of the Engineer thereon shall be final subject to the appeal (within 7 days of such decision being intimated to the contractor) to the CGM/GM who shall have the power to correct any errors, omissions, or discrepancies in aforementioned items and whose decision in the matter in dispute or doubt shall be final and conclusive.
23. **Working during night:** The Contractor have to arrange lightning arrangement for night working of track machines. If the Engineer decides for night working as per availability of blocks, he may order the same without confirming any right on the Contractor for claiming any extra payment for the same.
24. **Damage to DFCCIL property or private life and property:** The contractor shall be responsible for all risk to the work and for trespass and shall make good at his own expense all loss or damage whether to the works themselves or to any other property of the DFCCIL or the lives, persons or property of others from whatsoever cause in connection with the works and this although all reasonable and proper precautions may have been taken by the contractor, and in case the DFCCIL shall be called upon to make good any costs, loss or damages, or to pay an compensation, including that payable under the provisions of the Workmen's Compensation Act or any statutory amendments thereof to any person or persons sustaining damages as aforesaid by reason of any act, or any negligence or omissions on the part of the contractor the amount of any costs or charges including costs and charges in connection with legal proceedings, which the DFCCIL may incur in reference thereto, shall be charged to the contractor. The DFCCIL shall have the power and right to pay or to defend or compromise any claim of threatened legal proceedings or in anticipation of legal

proceedings being instituted consequent on the action or default of the contractor, to take such steps as may be considered necessary or desirable to ward off or mitigate the effect of such proceedings, charging to contractor, as aforesaid any sum or sums of money which may be paid and any expenses whether for reinstatement or otherwise which may be incurred and the propriety of any such payment, defence or compromise, and the incurring of any such expenses shall not be called in question by the contractor.

**25. Sheds, stores houses and Yards:-**The DFCCIL shall at his own expense provide sheds, stores houses in such situations and in such numbers as in the opinion of the Engineer is requisite for carrying on the works and the contractor shall keep at each such sheds, stores houses a sufficient quantity of materials and plant in stock as not to delay the carrying out of the works with due expedition and the Engineer and the Engineer's representative shall have free access to the said sheds, store houses at any time for the purpose of inspecting the stock of materials or plant so kept in hand, and any materials or plan which the Engineer may object to shall not be brought upon or used in the works, but shall be forthwith removed from the sheds, store houses or yards by the contractor. The contractor shall at his own expenses provide and maintain all T & P or any other equipment's necessary for the execution of the works.

**26. Provision of efficient and competent Staff at work sites by the Contractor:**

26.1. For detail of manpower refer clause 1.15 of SCC of this tender.

26.2. The contractor shall at once remove from the works any agents, permitted sub-contractor, supervisors, Operators, Technicians and Helpers/labourers who shall be objected to by the Engineer and if and whenever required by the Engineer, he shall submit a correct return showing the names of all staff and workmen employed by him.

**26A Deployment of Qualified Engineers at Sites by the Contractor:** As per provisions of SCC.

27.(1). **Workmanship and testing:-** The whole of the works and / or supply of materials specified and provided in the contract or that may be necessary to be works done in order to form and complete any part thereof shall be executed in the best and most substantial workman like manner with materials of the best and most approved quality of their respective kinds, agreeable to the particulars contained in or implied by the specifications and as referred to in and represented by the drawings or in such other additional particulars, instructions and drawings may be found requisite to be given during the carrying on of the works and to the entire satisfaction of the Engineer according to the instructions and directions which the contractors may from time to time receive from the Engineer. The works may be subjected to tests by means of such machines, instruments and appliances as the Engineer may direct and wholly at the expense of the contractor.

27.(2). **Removal of materials & Correction in bad work:** - The Engineer or the Engineer's Representative shall be entitled to order from time to time:

(a) The removal from the site, within the time specified in the order, of any materials or spare parts which in his opinion are not in accordance with the specifications.

(b) The substitution of proper and suitable materials, and

(c) the proper re-supply, notwithstanding any previous tests thereof or on account payments therefor, of any work which in respect of materials or workmanship is not in his opinion in accordance with the specifications and in case of default on the part of the Contractor in carrying out such order, the DFCCIL shall be entitled to rescind the contract under Clause 62 of these conditions.

**28. Facilities for inspection:-** The contractor shall afford the Engineer and the Engineer's



Representative every facility for entering in and upon every portion of the work/store at all hours for the purpose of inspection or otherwise and shall provide all labour, materials, appliances and things of every kind required for the purpose and the Engineer and the Engineer's Representative shall at all times have free access to every part of the works/store and to all places at which materials for the works are stored or being prepared.

29. **Examination of work before covering up:-** Not Applicable to this tender.
30. **Temporary Works:** Not Applicable to this tender.
- 31.(1). Water required for O & M of RGM Formation and RIV shall be provided free of cost.  
31.(2). Not Applicable.
- 31.(3). **Deleted**  
31.(4). **Deleted**
- 31.(5). Electric power required for O & M of RGM Formation and RIV shall be provided free of cost.
32. **Property in materials and plant:** Not Applicable to this tender.
- 33.(1). **Tools, Plant and Materials Supplied by DFCCIL:** Provision of O & M of RGM formation and RIV as detailed in SCC of this O & M Contract has to be adhered by O & M Contractor without fail.
- 33.(2). **Hire of DFCCIL's Plant:** Not Applicable to this tender.
- 34.(1). **Precaution during progress of works:** During the execution of works, contractors shall take all precautions to avoid any damage, injury or loss is caused or likely to be caused to any person, property or railway system of DFCCIL.
- 34.(2). **Roads and Water courses:** Not Applicable to this tender.
- 34.(3). **Provision of access to premises:** Not Applicable to this tender.
- 34.(4). **Safety of Public:** The Contractor shall be responsible to take all precautions to ensure the safety of the public whether on public or DFCCIL property and shall post such look out men as may in the opinion of the Engineer be required to comply with regulations pertaining to the work.
35. **Deleted.**
- 36.(1). **Suspension of works:** The Contractor shall on the order of the Engineer, suspend the progress of the works or any part thereof for such time or times and in such manner as the Engineer may consider necessary and shall during such suspension properly protect and secure the work so far as is necessary in the opinion of the Engineer. If such suspension is:  
(a) Provided for in the contract, or  
(b) Necessary for the proper execution of the works or by the reason of weather conditions or by some default on the part of the Contractor, and/or  
(c) Necessary for the safety of the works or any part thereof.
- 36.(2). The Contractor shall not be entitled to the extra costs, if any, incurred by him during the period of suspension of the works.
- 36.(3). **Suspension lasting more than 3 months:-** If the progress of the works or any part thereof is suspended on the order of the Engineer for more than three months at a time, the Contractor may serve a written notice on the Engineer requiring permission within 15 days from the receipt thereof to proceed with the works or that part thereof in regard to which progress is suspended and if such

permission is not granted within that time the Contractor by further written notice so served may, but is not bound to, elect to treat the suspension where it affects part only of the works as an omission of such part or where it affects the whole of the works, as an abandonment of the contract by the DFCCIL.

**37. Rates for items of works:** The rates, entered in the accepted Schedule of Rates of the Contract are intended to provide for works duly and properly completed in accordance with the general and special (if any) conditions of the contract, TOR, O & M conditions of RGM Formation and RIV and the specifications and drawings together with such enlargements, extensions, diminutions, reductions, alterations or additions as may be ordered in terms of Clause 42 of these conditions and without prejudice to the generality thereof and shall be deemed to include and cover superintendence and labour, supply, including full freight, of materials, stores, tools and all apparatus and plant required on the works, except such tools, plant or materials as may be specified in the contract to be supplied to the Contractor by the DFCCIL, the erection, maintenance and removal of all temporary works and, all watching, lighting, all prevention of or compensation for trespass, all barriers and arrangements for the safety of the public or of employees during the execution of works, all sanitary and medical arrangements for labour camps as may be prescribed by the DFCCIL, the setting of all work, site clearance, all fees duties, royalties, rent and compensation to owners for surface damage or taxes and impositions payable to local authorities in respect of land, structures and all material supplied for the work or other duties of expenses for which the Contractor may become liable or may be put to under any provision of law for the purpose of or in connection with the execution of the contract, and all such other incidental charges or contingencies as may have been specially provided for in the specifications.

**38. Deleted**

**39.(1). Rates for extra items of works:**

- (a) the rate shall be decided as agreed upon between the Engineer and the Contractor before the execution of such items of O & M Contract work as per sub clause (b).
- (b) For any item of work to be carried out by the Contractor but not included in the accepted SOR the Contractor shall be bound to notify the Engineer at least seven days before the necessity arises for the execution of such items of works that the accepted SOR does not include rate or rates for such extra work involved. The rates payable for such items shall be decided at the meeting to be held between the Engineer and Contractor, in as short a period as possible after the need for the special item has come to the notice. In case the Contractor fails to attend the meeting after being notified to do so or in the event of no settlement being arrived at, the DFCCIL shall be entitled to execute the extra works by other means and the Contractor shall have no claim for loss or damage that may result from such procedure. The assessment of rates for extra item(s) shall be arrived at based on the prevailing market rates of labour, machinery & materials and on basis of Market Analysis.

**39.(2).** Provided that if the Contractor commences work or incurs any expenditure in regard thereto before the rates as determined and agreed upon as lastly hereunto fore-mentioned, then and in such a case the Contractor shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of determination of rates as aforesaid according to the rates as shall be fixed by the Engineer. However, if the Contractor is not satisfied with the decision of the Engineer in this respect he may appeal to the CPM/General Manager within 30 days of getting the decision of the Engineer, supported by analysis of the rates claimed. The CGM/CPM's/ General Manager's decision after hearing both the parties in the matter would be final and binding on the Contractor and the DFCCIL.

**40.(1). Handing over of works:** On completion of block for track machine working, the Contractor shall be bound to hand over the track in safe condition for normal speed for running of trains. In case after

examining the completed work after Rail Grinding, if Contractor finds that track is not fit for normal sectional speed, then he should suggest the speed restriction to be imposed for passing DFCCIL trains on track in writing to DFCCIL official present during the block. The decision of Engineer for about track fitness after block working shall be final and binding on contractor. In case rail traffic is not allowed at sectional speed due to contractor default, then for that day contractor will not get any payment and it will be considered that machine is not available for working on that day.

- 40.(2). Clearance of site on completion:** On completion of O & M Contract works, the Contractor shall clear away and remove from the site all plant, surplus materials and temporary works of every kind and leave the whole of the site and works clean and in a workman like condition to the satisfaction of the Engineer. No final payment in settlement of the accounts for the works shall be paid, held to be due or shall be made to the, Contractor till, in addition to any other condition necessary for final payment, site clearance shall have been affected by him, and such clearance may be made by the Engineer at the expense of the **Contractor** in the event of his failure to comply with this provision within 7 days after receiving notice to that effect. Should it become necessary for the Engineer to have the site cleared at the expenses of the Contractor, the DFCCIL shall not be held liable for any loss or damage to such of the Contractor's property as may be on the site and due to such removal there from which removal may be effected by means of public sales of such materials and property or in such a way as deemed fit and convenient to the Engineer.

### VARIATIONS IN EXTENT OF CONTRACT

- 41. Modification to contract to be in writing:** - In the event of any of the provisions of the contract requiring to be modified after the contract documents have been signed, the modifications shall be made in writing and signed by the DFCCIL and the Contractor and no work shall proceed under such modifications until this has been done. Any verbal or written arrangement abandoning, modifying, extending, reducing or supplementing the contract or any of the terms thereof shall be deemed conditional and shall not be binding on the DFCCIL unless and until the same is incorporated in a formal instrument and signed by the Contractor, and till then the DFCCIL shall have the right repudiate such arrangements.
- 42.(1). Powers of modification to contract:** - The Engineer on behalf of the DFCCIL shall be entitled by order in writing to make any alterations in the method of their execution or in the combination and use of materials for the execution thereof or to order any additional work to be done or any works not to be done and the contractor will not be entitled, to any compensation for any increase/reduction in the quantities of work.
- 42.(2).** Unless otherwise specified in the contract, the accepted variation in quantity of each individual item of the contract would be up to 25% of the quantity originally contracted. The contractor shall be bound to carry out the work at the agreed rates and shall not be entitled to any claim or any compensation whatsoever up to the limit of 25% variation in quantity of individual item of works.
- 42.(3). Valuation of variations:-** The enlargements, extensions, diminution, reduction, alterations or additions referred to in sub-clause (2) of this clause shall in no degree affect the validity of the contract but shall be performed by the Contractor as provided therein and be subject to the same conditions, stipulations and obligations as if they had been originally and expressly included and provided for in the specifications and drawings and the amounts to be paid therefore shall be calculated in accordance with the accepted schedule of rates. Any extra items / quantities of work falling outside the purview of the provisions of sub-clause (2) above shall be paid for at the rates determined under clause-39 of these conditions.
- 42.(4). Variations In Quantities During Execution of Works:** - Individual items in contracts (**except item of Schedule A of SOR**) can be operated with variation of plus or minus 25% and payment would be made as per the agreement rate. In case an increase in quantity of an individual item by more than 25% of the agreement quantity is considered unavoidable, the same shall be got executed by

floating a fresh tender. If floating a fresh tender for operating that item is considered not practicable, quantity of that item may be operated in excess of 125% of the agreement quantity after finalizing the rates mutually by both parties.

### CLAIMS

- 43.(1). **Monthly Statement of Claims:-** The Contractor shall prepare and furnish to the Engineer once in every month an account giving full and detailed particulars of all claims for any additional expenses to which the Contractor may consider himself entitled to and of all extra or additional works ordered by the Engineer which he has executed during the preceding month and no claim for payment for and such work will be considered which has not been included in such particulars.
- 43.(2). **Signing of "No Claim" Certificate:-** The Contractor shall not be entitled to make any claim whatsoever against the DFCCIL under or by virtue of or arising out of this contract, nor shall the DFCCIL entertain or consider any such claim, if made by the Contractor, after he shall have signed a "No Claim" Certificate in favour of the DFCCIL in such form as shall be required by the DFCCIL after the works are finally measured up. The contractor shall be debarred from disputing the correctness of the items covered by "No Claim" Certificate or demanding a clearance to arbitration in respect thereof.

### MEASUREMENTS, CERTIFICATES AND PAYMENTS

44. **Quantities in schedule annexed to Contract:** The quantities set out in the accepted schedule of rates with items of works quantified are the estimated quantities of the work to be executed by the Contractor in fulfilment of his obligations under the contract.
- 45.(i). **Measurement of works by DFCCIL:** The Contractor shall be paid for the works at the rates in the accepted schedule of rates and for extra works at rates determined under Clause 39 of these conditions on the measurements taken by the Engineer or the Engineer's representative in accordance with the rules prescribed for the purpose by the DFCCIL. The date and time on which "on account" or final measurements are to be made shall be communicated to the Contractor who shall be present at the site and shall sign the results of the measurements (which shall also be signed by the Engineer or the Engineer's representative) recorded in the official measurements book as an acknowledgement of his acceptance of the accuracy of the measures. Failing the Contractor's attendance, the work may be measured up in his absence and such measurements shall, notwithstanding such absence, be binding upon the Contractor whether or not he shall have signed the measurement books provided always that any objection made by him to measurement shall be duly investigated and considered in the manner set out below:
- (a) It shall be opened to the Contractor to take specific objection to any recorded measurements or Classification on any ground within seven days of the date of such measurements. Any re-measurement taken by the engineer or the Engineer's representative in the presence of the Contractor or in his absence after due notice has been given to him in consequence of objection made by the Contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and classification of the measurements.
- (b) If an objection raised by the Contractor is found by the Engineer to be incorrect the Contractor shall be liable to pay the actual expenses incurred in measurements.
- 45.(ii). **Measurement of works by Contractor's Authorized Representative:** Not Applicable to this tender.
- 46.(1). **"On-Account" Payments:** - The Contractor shall be entitled to be paid from time to time by way of "On-Account" payment only for such works as in the opinion of the Engineer he has executed in

terms of the contract. All payments due on the Engineer's or the Engineer's representative's certificates of measurements shall be subject to any deductions which may be made under the contract provisions.

- 46.(2). Rounding off amounts:** - The total amount due on each certificate shall be rounded off to the nearest rupee i.e. sum less than 50 paise shall be omitted and sums of 50 paise and more upto Re. 1/- will be reckoned as Re. 1/-
- 46.(3). On Account Payments not prejudicial to final settlement:** - "On-Account" payments made to the Contractor shall be without prejudice to the final making up of the accounts (except where measurements are specifically noted in the Measurement Book as "Final Measurements" and as such have been signed by the Contractor and Engineer's/Engineer's Representative) and shall in no respect be considered or used as evidence of any facts stated in or to be inferred from such accounts nor of any particular quantity of work having been executed nor of the manner of its execution being satisfactory.
- 46.(4). Advances to the Contractor:** Not applicable to this contract.
- 46.(5). Manner of payment:** Unless otherwise specified payments to the Contractor will be made by RTGS/NEFT only.

#### **46.A PRICE VARIATION CLAUSE.**

**46A.1 Applicability:** Price Variation Clause (PVC) shall be applicable in this contract. The following shall be outside the purview of price adjustments (i.e. shall be excluded from the gross value of the work for the purpose of price variation).

- a) Materials supplied by DFCCIL to the Contractors, either free or at fixed rate.
- b) Any extra item(s) included in subsequent variation falling outside the purview of the Bill(s) of Quantities of tender, under clause 39 of these General Conditions, unless applicability of PVC and 'Base Month' has been specially agreed, while fixing the rates of such extra item(s).

**46A.2 Base month:** The Base Month for 'Price Variation Clause' shall be taken as the month prior to closing of tender month, unless otherwise stated elsewhere. The quarter for applicability of PVC shall commence from the month following the Base month. The Price Variation shall be based on the average Price Index of the quarter under consideration.

**46A.3 Validity:** Rates accepted by DFCCIL shall hold good till completion of work and no additional individual claim shall be admissible except:

- (a) Payment/recovery for net increase/decrease in GST on works contract or imposition/removal of any tax/cess on Works Contract as per Clause 37 (subjected to passing on the additional input credit to DFCCIL),

**46A.4** Adjustment for variation in prices of fuel, materials and manpower items shall be determined in the manner prescribed hereunder.

**46A.5** Components of various items in a contract on which variation in prices be admissible shall be fuel, materials and manpower items. However, for fixed components, no price variation shall be admissible.

#### 46A.6 Deleted

**46A.7** The formula for price variation for various items of O & M work for:

- i) All items of Schedule A, Schedule E and Schedule-F of **Form -4** the PVC will be calculated with following Formula:

$$P = P_o / 100 \{15 + 85 \times (B1/B2)\}$$

**Whereas**

P = Escalated/De-escalated Price of item  
Po= Original accepted rate of SOR item

B1 = Consumer Price Index Number for Industrial Workers for Delhi (National Capital Region) as per presently Table No. 112/6/2013-CPI for Industrial Workers (Base: 2016=100) published by Government of India, Ministry of Labour & Employment, Labour Bureau for the average price index of the 3 months of the quarter under consideration

B2 = Consumer Price Index Number for Industrial Workers Delhi (National Capital Region) as per presently Table No. 112/6/2013-CPI for Industrial Workers (Base: 2016=100) published by Government of India, Ministry of Labour & Employment, Labour Bureau for the Base month.

- ii) All items of Schedule B and Schedule- C of **Form -4**, the PVC will be calculated with following Formula:

$$P = P_o / 100 \{15 + 85 \times (W1/W2)\}$$

**Whereas**

P = Escalated/De-escalated Price of item  
Po= Original accepted rate of SOR item

W1 = Average of (3 months of the quarter under consideration) of accepted cost escalation index. (WPI which O & M contractor has quoted during bidding will be taken for this purpose)

W2 = Accepted cost escalation index of the Base month. (WPI which O & M contractor has quoted during bidding will be taken for this purpose)

**46A.8** The demands for escalation of cost shall be allowed on the basis of provisional indices as mentioned above in Clause 46A.7. Any adjustment needed to be done based on the finally published indices shall be made as and when they become available.

**Special Note:**

- (1) It is clearly indicated that price variation implies both increase as well decrease in input

prices and therefore price variation during the currency of the contract may result in extra payment or recovery as the case may be.

- (2) General Conditions of Contract shall be applicable in context of Price variation. However, the decision of Engineer shall be final & finding, in case of any conflict.

#### **46A.9: Deleted**

#### **46A.10 Price Variation During Extended Period of Contract**

The price adjustment as worked out above, i.e. either increase or decrease shall be applicable upto the stipulated date of completion of work including the extended period of completion.

- 47. Maintenance of works:** Not applicable for this work.
- 48.(1). Certificate of completion of works:** As soon as in the opinion of the Engineer, the works has been completed, the Engineer shall issue a certificate of completion duly indicating the date of completion in respect.
- 48.(2). Contractor not absolved by completion Certificate:** Not applicable for this contract. .
- 49. Approval only by maintenance Certificate:** Not applicable for this contract.
- 50.(1). Maintenance Certificate:** Not applicable for this contract.
- 50.(2). Cessation of DFCCIL Liability:** The DFCCIL shall not be liable to the Contractor for any matter arising out of or in connection with the contract of the execution of the works unless the contractor shall have made a claim in writing in respect thereof before the passing of final bill..
- 51.(1). Final Payment:** On the Engineer's certificate of completion in respect of the works, adjustment shall be made and the balance of account based on the Engineer or the Engineer's representative's certified measurements of the total quantity of work executed by the contractor upto the date of completion and on the accepted schedule or rates and for extra works on rates determined under Clause 39 of these conditions shall be paid to the Contractor subject always to any deduction which may be made under these presents and further subject to the Contactor having delivered to the Engineer either a full account in detail of all claims he may have on the DFCCIL in respect of the works or having delivered "No Claim Certificate" and the Engineer having after the receipt of such account given a certificate in writing that such claims are not covered under excepted matter i.e. Clauses 7(j), 8, 18, 22(5), 39.1, 39.2, 40A, 43(2), 45(i)(a), 55, 55-A(5), 57, 57A, 61(1), 61(2) and 62(1), 63(iv) and 63.2.11 of the Standard General Conditions of Contract or in any Clause (stated as excepted matter) of the Special Conditions of the Contract of O & M Phase, that the whole of the works to be done under the provisions of the Contracts have been completed, that they have been inspected by him since their completion and found to be in good and substantial order, that all properties, works and things, removed, disturbed or injured in consequence of the woks have been properly replaced and made good and all expenses and demands incurred by or made upon the DFCCIL for or in the respect of damage or loss by from or in consequence of the works, have been satisfied agreeably and in conformity with the contract.
- 51.(2). Post Payment Audit:-** It is an agreed term of contract that the DFCCIL reserves to itself the right to carry out a post-payment audit and or technical examination of the works and the final bill including all supporting vouchers, abstracts etc. and to make a claim on the contractor for the refund any excess amount paid to him if as a result of such examination any over-payment to him is discovered to have made in respect of any works done or alleged to have been done by him under the contract.

#### **51.A Production of vouchers etc. by the Contractor:**

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Signature of tenderer (s)  
With seal

- (i) For a contract of more than one crore of rupees, the contractor shall, whenever required, produce or cause to be produced for examination by the Engineer any quotation, invoice, cost or other account, book of accounts, voucher, receipt, letter, memorandum, paper of writing or any copy of or extract from any such document and also furnish information and returns verified in such manner as may be required in any way relating to the execution of this contract or relevant for verifying or ascertaining cost of execution of this contract (the decision of the engineer on the question of relevancy of any documents, information or return being final and binding in the parties). The contractor shall similarly produce vouchers; etc., if required to prove to the Engineer, that materials supplied by him, are in accordance with the specifications laid down in the contract.
- (ii) If any portion of the work in a contract of value more than one crore of rupees be carried out by a sub-contractor or any subsidiary or allied firm or company (as per Clause 7 of the General Conditions of Contract), the Engineer shall have power to secure the books of such sub-contract or any subsidiary or allied firm or company, through the contractor, and such books shall be open to his inspection.
- (iii) The obligations imposed by sub clause (i) & (ii) above is without prejudice to the obligations of the contractor under any statute rules or orders binding on the contractor.

**52. Withholding and lien in respect of sums claimed:-** Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the DFCCIL shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any, deposited by the contractor and for the purpose aforesaid, the DFCCIL shall be entitled to withhold the security if any, furnished as the case may be and also have a lien over deposit or the security if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the DFCCIL shall be entitled to withhold and have a lien to the extent of the such claimed amount or amounts referred to supra, from any sum or sums found payable or which at any time thereafter may become payable to the contractor under the same contract or any other contract with this or any other DFCCIL or any Department of the Central Government pending finalization or adjudication of any such claim

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above, by the DFCCIL will be kept withheld or retained as such by the DFCCIL till the claim arising out of or under the contract is determined by the arbitrator (if the contract governed by the arbitration clause) or by the competent court as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to supra and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the DFCCIL shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company, as the case may be whether in his individual capacity or otherwise.

**52.A Lien in respect of claims in Other Contracts:**

- (i) Any sum of money due and payable to the contractor (including the PG returnable to him) under the contract may be withheld or retained by way of lien by the DFCCIL, against any claim of this or any other DFCCIL or any other Department of the Central Government in respect of a payment of a sum of money arising out of or under any other contract made by the contractor with this or any other Department of the Central Government.
- (ii) However, recovery of claims of DFCCIL in regard to terminated contracts may be made from the Final Bills and Performance Guarantees of other contract or contracts, executed by the contractor. The Performance Guarantees submitted by the Contractor against other



contracts, if required, may be withheld and encashed. In addition, 10% of each subsequent 'on-account bill' may be withheld, if required, for recovery of DFCCIL's dues against the terminated contract.

- (iii) It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the DFCCIL will be kept withheld or retained as such by the DFCCIL till the claim arising out of or under any other contract is either mutually settled or determined by arbitration, if the other contract is governed by arbitration clause or by the competent court as the case may be and contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

- 53. Signature on Receipts for Amounts:** Every receipt for money which may become payable or for any security which may become transferable to the Contractors under these presents, shall, if signed in the partnership name by anyone of the partners of a Contractor's firm be a good and sufficient discharge to the DFCCIL in respect of the moneys or security purported to be acknowledged thereby and in the event of death of any of the Contractor, partners during the pendency of the contract it is hereby expressly agreed that every receipt by anyone of the surviving Contractor partners shall if so signed as aforesaid be good a sufficient discharge as aforesaid provided that nothing in this clause contained shall be deemed to prejudice or effect any claim which the DFCCIL may hereafter have against the legal representative of any contractor partner so dying for or in respect to any breach of any of the conditions of the contract, provided also that nothing in this clause contained shall be deemed to prejudice or effect the respective rights or obligations of the Contractor partners and of the legal representatives of any deceased Contractor partners interse.

## LABOUR

- 54. Wages to Labour :-** The Contractor shall be responsible to ensure compliance with the provision of the Minimum Wages Act, 1948 (hereinafter referred to as the "said Act" and the Rules made there under in respect of any referred to as the "said Act" and the Rules made there under in respect of any employees directly or through petty contractors or subcontractors employed by him. If, in compliance with the terms of the contract, the Contractor supplied any labour to be used wholly or partly under the direct orders and control of the DFCCIL whether in connection with any work being executed by the Contractor or otherwise for the purpose of the DFCCIL such labour shall, for the purpose of this clause, still be deemed to be persons employed by the Contractor.

If any moneys shall, as a result of any claim or application made under the said Act be directed to be paid by the DFCCIL, such money shall be deemed to be moneys paid by it as aforesaid within seven days after the same shall have been demanded, the DFCCIL shall be entitled to recover the same form any moneys due or accruing to the Contractor under this or any other Contract with the DFCCIL.

- 54.A Apprentices Act:** The Contractor shall be responsible to ensure compliance with the provisions of the Apprentices Act, 1961 and the Rules and Orders issued there under from time to time in respect of apprentices directly or through petty contractors or sub-contractors employed by him for the purpose of carrying out the Contract.

If the contractor directly or through petty contractors or sub-contractors fails to do so, his failure will be a breach of the contract and the DFCCIL may, in its discretion, rescind the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation of the provisions of the Act.

Note: The contractors are required to engage apprentices when the works undertaken by them last for a period of one year or more and / the cost of works is rupees one lakh or more.

- 55 Provisions of payments of Wages Act:** The Contractor shall comply with the provisions of the Payment of Wages Act, 1936 and the rules made there under in respect of all employees directly or through petty contractors or sub-contractors employed by him in the works. If In compliance with the terms of the contract, the Contractor directly or through petty contractors of sub-contractors shall supply any labour to be used wholly or partly under the direct orders and control of the Engineer whether in connection with the works to be the less be deemed to comprise persons employed by the contractor and any moneys which may be ordered to be paid by the Engineer shall be deemed to be moneys payable by the Engineer on behalf of the Contractor and the Engineer may on failure of the contractor to repay such money to the DFCCIL deduct the same from moneys due to contractor in the terms of contract. The DFCCIL shall be entitled to deduct from any moneys due to the contractor (whether under this contract or any other contract) all moneys paid or payable by the DFCCIL by the way of compensation of aforesaid or for costs of expenses in connection with any claim thereto and the decision of the Engineer upon any question arising out of the effect or force of this clause shall be final and binding upon the Contractor.
- 55.A Provisions of Contract labour (Regulation and Abolition) Act, 1970:**
- 55.A(1).** The contractor shall comply with the provision of the contract labour (Regulation and Abolition) Act, 1970 and the Contract labour (Regulation and Abolition) Central Rules 1971 as modified from time to time, wherever applicable and shall also indemnify the DFCCIL from and against any claims under the aforesaid Act and the Rules.
- 55.A(2).** The Contractor shall obtain a valid license under the aforesaid Act as modified from time to time before the commencement of the work and continue to have a valid licence until the completion of the work. Any failure to fulfill the requirement shall attract the penal provision of the Contract arising out of the resultant non-execution of the work.
- 55.A(3).** The Contractor shall pay to the labour employed by him directly or through subcontractors the wages as per provision of the aforesaid Act and the Rules wherever applicable. The Contractor shall notwithstanding the provisions of the contract to the contrary, cause to be paid the wages to labour indirectly engaged on the works including any engaged by subcontractors in connection with the said work, as if the labour had been immediately employed by him.
- 55.A(4).** In respect of all labour directly or indirectly employed in the work for performance of the contractor's part of, the contract, the Contractor shall comply with or cause to be complied with the provisions of the aforesaid Act and Rules wherever applicable.
- 55.A(5).** In every case in which, by virtue of the provisions of the aforesaid Act or the Rules, the DFCCIL is obliged to pay any amount of wages to a workman employed by the Contractor or his sub-contractor in execution of the work or to incur any expenditure on account of the Contingent, liability of the DFCCIL due to the contractor's failure to fulfil his statutory obligations under the aforesaid Act or the rules the DFCCIL will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred, and without prejudice to the rights of the DFCCIL under the section 20, sub-section (2) and section 2, sub-section (4) of the aforesaid Act, the DFCCIL shall be at liberty to recover such amount or part thereof by deducting it from the running bills and/ or from any sum due by the DFCCIL to the contractor whether under the contract or otherwise. The DFCCIL shall not be bound to contest any claim made against it under sub-section of section 20 and sub-section (4) of section 21 of the aforesaid Act except on the written request of the contractor and upon his giving to the DFCCIL full security for all costs for which the DFCCIL might become liable in contesting such claim. The decision of the DFCCIL regarding the amount actually recoverable from the contractor as stated above shall be final and binding on the Contractor.

**55 B Provisions of Employees Provident Fund and Miscellaneous Provisions Act, 1952:**

The Contractor shall comply with the provisions of Para 30 & 36- B of the Employees Provident Fund Scheme, 1952; Para 3 & 4 of Employees' Pension Scheme, 1995; and Para 7 & 8 of Employees Deposit Linked Insurance Scheme, 1976; as modified from time to time through enactment of "Employees Provident Fund & Miscellaneous Provisions Act, 1952", wherever applicable and shall also indemnify the DFCCIL from and against any claims under the aforesaid Act and the Rules.

**55C (i)** Contractor is to abide by the provisions of various labour laws in terms of above clause 54, 55, 55-A and 55-B of the Standard General Conditions of Contract. In order to ensure the same, an application has been developed and hosted on website 'www.shramikkalyan.indianrailways.gov.in'. Contractor shall register his firm/company etc. and upload requisite details of labour and their payment in this portal. These details shall be available in public domain. The registration/ updation in Portal shall be done as under:

- a) Contractor shall apply for onetime registration of his company/firm etc. in the Shramikkalyan portal with requisite details subsequent to issue of Letter of Acceptance. Engineer shall approve the contractor's registration in the portal within 7 days of receipt of such request.
  - b) Contractor once approved by any Engineer, can create password with login ID (PAN No.) for subsequent use of portal for all Letter of Acceptances (LoAs) issued in his favour.
  - c) The contractor once registered on the portal, shall provide details of his Letter of Acceptances (LoAs) / Contract Agreements on shramikkalyan portal within 15 days of issue of any LoA for approval of concerned Engineer. Engineer shall update (if required) and approve the details of LoA filled by contractor within 7 days of receipt of such request.
  - d) After approval of LoA by Engineer, contractor shall fill the salient details of contract labours engaged in the contract and ensure updating of each wage payment to them on shramikkalyan portal on monthly basis.
  - e) It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour & payments made thereof after each wage period.
- (ii) While processing payment of any 'On Account Bill' or 'Final Bill' or release of 'Advances' or 'Performance Guarantee', contractor shall submit a certificate to the Engineer or Engineer's representatives that "I have uploaded the correct details of contract labours engaged in connection with this contract and payments made to them during the wage period in Railway's Shramik kalyan portal at 'www.shramikkalyan.indianrailways.gov.in' till \_\_\_\_ Month, \_\_\_\_ Year."

**56 Reporting of Accidents of Labour:** The Contractor shall be responsible for the safety of all employees directly or through petty contractors or sub- contractor employed by him on the works and shall report serious accidents to any of them however and wherever occurring on the works to the Engineer or the Engineers Representative and shall made every arrangements to render all possible assistance.

**57. Provision of Workmen's Compensation Act:** In every case in which by virtue of the provisions of section 12 sub-section (1) of the Workmen's Compensation Act 1923, DFCCIL is obliged to pay compensation to a workman directly or through petty contractor or subcontractor employed by the Contractor in executing the work, DFCCIL will recover from the Contractor the amount of the compensation so paid, and, without prejudice to the rights of DFCCIL under Section 12 Sub-section of the said Act, DFCCIL shall be at liberty to recover such amount or any part thereof by deducting it from the next running bills or from any sum due by DFCCIL to the Contractor whether under these conditions or otherwise, DFCCIL shall not be bound to contest any claim made against it under Section 12 Sub-section (1) of the said Act except on the written request of the Contractor and upon his giving to DFCCIL full security for all costs for which DFCCIL might become liable in consequence of contesting such claim.

- 57.A Provision of Mines Act:-** Not applicable for O & M contract.
- 58.** DFCCIL not to provide quarters for Contractors: No quarters shall normally be provided by the DFCCIL for the accommodation of the contractor or any of his staff employed on the work.
- 59(1). Labor Camps:** Refer SCC of this Contract.
- 59(2). Compliance to rules for employment of labour:-** The contractor(s) shall conform to all laws, by-laws rules and regulations for the time being in force pertaining to the employment of local or imported labour and shall take all necessary precautions to ensure and preserve the health and safety of all staff employed directly or through petty contractors or sub-contractors on the works.
- 59(3). Preservation of peace:-** The contractor shall take requisite precautions and use his best endeavours to prevent any riotous or unlawful behavior by or amongst his workmen and other employed directly or through the petty contractors or sub-contractors on the works and for the preservation of peace and protection of the inhabitants and security of property in the neighborhood of the works. In the event of the DFCCIL requiring the maintenance of a special Police Force at or in the vicinity of the site during the tenure of works, the expenses thereof shall be borne by the contractor and if paid by the DFCCIL shall be recoverable from the contractor.
- 59(4). Sanitary arrangements:** The contractor shall obey all sanitary rules and carry out all sanitary measures that may from time to time be prescribed by the Medical Authority and permit inspection of all sanitary arrangements at all times by the Engineer, the Engineer's Representative of the Medical staff of the DFCCIL. Should the contractor fail to make the adequate sanitary arrangements, these will be provided by the DFCCIL and the cost therefore recovered from the contractor.
- 59(5). Outbreak of infectious disease:** The contractor shall remove from his camp such labour and their families as refuse protective inoculation and vaccination when called upon to do so by the Engineer or the Engineer's representative on the advice of the DFCCIL. Should cholera, plague or other infectious disease break out, the contractor shall burn the huts, beddings, clothes and other belongings of or used by the infected parties and promptly erect new huts on health sites as required by the engineer, failing which within the time specified in the Engineer's requisition, the work may be done by the DFCCIL and the cost therefore recovered from the contractor.
- 59(6).** Deleted
- 59(7). Medical facilities at site: -** The Contractor shall provide medical facilities at the site as may be prescribed by the Engineer on the advice of the DFCCIL in relation to the strength of the Contractor's resident staff and workmen.
- 59(8). Use of intoxicants: -** The sale of **ardent** spirits or other intoxicating beverages upon the work or in any of the buildings, encampments or tenements owned, occupied by or within the control of the contractor or any of his employees shall be forbidden and the Contractor shall exercise his influence and authority to the utmost extent to secure strict compliance with this condition.
- 59(9). Non-employment of female labour:** The Contractor shall see that the employment of female labour on/in Cantonment areas, particularly in the neighborhood of soldier's barracks, should be avoided as far as possible.
- 59(10). Restrictions On The Employment Of Retired Engineers Of Railway/DFCCIL Services Within one Year Of Their Retirement :** The Contractor shall not, if he is a retired Government Engineer of Gazetted rank, himself engage in or employ or associate a retired Government Engineer of Gazetted rank, who has not completed one year from the date of retirement, in connection with this contract in any manner whatsoever without obtaining prior permission of the President and if the Contractor

is found to have contravened this provision it will constitute a breach of contract and administration will be entitled to terminate the contract and forfeit BID SECURITY and Performance Guarantee (PG) of that contract.

- 60.(1). Non-employment of labours below the age of 15:** the Contractor shall not employ children below the age of 15 as laborer's directly or through petty contractors or subcontractors for the execution of work.
- 60.(2). Medical Certificate of fitness for labour:** It is agreed that the contractor shall not employ a person above 15 and below 19 years of age for the purpose of execution of work under the contract unless a medical certificate of fitness in the prescribed form (Proforma at **Form- 23**) granted to him by a certifying surgeon certifying **that** he is fit to work as an adult is obtained and kept in the custody of the contractor or a person nominated by him in this behalf and the person carries with him, while at work; a token giving a reference to such certificate. It is further agreed that the responsibility for having the adolescent examined medically at the time of appointment or periodically till he attains the age of 19 years shall devolve entirely on the contractor and all the expenses to be incurred on this account shall be borne by him and no fee shall be charged from the adolescent or his parent for such medical examination.
- 60.(3). Period of validity of medical fitness certificate:** - A certificate of fitness granted or renewed for the above said purposes shall be valid only for a period of one year at a time. The certifying surgeon shall revoke a certificate granted or renewed if in his opinion the holder of it is, no longer fit for work in the capacity stated therein. Where a certifying surgeon refuses to grant or renew a certificate or revoke a **certificate**, he shall, if so required by the person concerned, state his reasons in writing for doing so.
- 60.(4). Medical re-examination of labourer:-** Where any official appointed in this behalf by the Ministry of labour is of the opinion that any person employed in connection with the execution of any work under this contract in the age group 15 to 19 years is **without** a certificate of fitness or is having a certificate of fitness but no longer fit to work in the capacity stated in the certificate, he may serve on the Contractor, or on the person nominated by him in the regard, a notice requiring that such persons shall be examined by a certifying surgeon and such person shall not if the concerned official so directs, be employed or permitted to do any work under this contract unless he has been medically examined and certified that he has been granted a certificate of fitness or a fresh certificate of fitness, as the case may be.

**EXPLANATIONS:-**

- (1) Only qualified medical practitioners can be appointed as "Certifying Surgeons" and the term "Qualified Medical Practitioners" means a person holding a qualification granted by an authority specified in the Schedule to the Indian Medical Degrees Act, 1916 (VII to 1916) or in the Schedule to the Indian Medical Council Act, 1933 (XXVII) of 1933.
- (2) The Certifying surgeon may be a medical officer in the service of State or Municipal Corporation.

**DETERMINATION OF CONTRACT**

- 61.(1). Right of DFCCIL of determine the contract:** The DFCCIL shall be entitled to determine and terminate the contract at any time should, in the DFCCIL's opinion, the cessation of work becomes necessary owing to paucity of funds or from any other cause whatever.
- 61.(2). Payment on determination of contract:** Refer SCC of this O & M Contract.
- 61.(3).** The contractor shall have no claim to any payment of compensation or otherwise, howsoever on account of any profit or advantage which he might have derived from the execution of the work in full

but which he did not derive in consequence of determination of contract. Refer SCC of this O & M Contract

**62(1) Determination of contract owing to default of contractor:** If the Contractor should:

- (i) Becomes bankrupt or insolvent, or
- (ii) Make an arrangement with of assignment in favour of his creditors, or agree to carry out the contract under a Committee of Inspection of his creditors, or
- (iii) Being a Company or Corporation, go into liquidation (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), or
- (iv) Have an execution levied on his goods or property on the works, or
- (v) Assign the contract or any part thereof otherwise than as provided in Clause 7 of these conditions, or
- (vi) Abandon the contract, or
- (vii) Persistently disregard the instructions of the Engineer, or contravene any provision of the contract, or
- (viii) Fail to Execute the contract documents on time or
- (ix) Fail to remove materials from the site or to pull down and rectify work after receiving from the Engineer notice to the effect that the said materials or works have been condemned or rejected under clause 25 and 27 of these conditions, or
- (x) Fail to take steps to employ competent or additional staff and labour as required under clause 26 of the conditions.
- (xi) Fail to afford the Engineer or Engineer's representative proper facilities for inspecting the work or any part thereof as required under clause 28 of the conditions, or
- (xii) Promise, offer or give any bribe, commission, gift or advantage either himself or through his partner, agent or servant to any officer or employee of the DFCCIL or to any person on his or on their behalf in relation to the execution of this or any other contract with this DFCCIL.
- (xiii) At any time after the tender relating to the contract, has been signed and submitted by the Contractor, being a partnership firm admit as one of its partners or employee under it or being an incorporated company elect or nominate or allow to act as one of its directors or employee under it in any capacity whatsoever any retired engineer of the gazetted rank or any other retired gazetted officer working before his retirement, whether in the executive or administrative capacity, or whether holding any pensionable post or not, in the DFCCIL for the time being owned and administered by the President of India before the expiry of one year from the date of retirement from the said service of such Engineer or Officer unless such Engineer or Officer has obtained permission from the President of India or any officer duly authorized by him in this behalf to become a partner or a director or to take employment under the contract as the case may be, or
- (xv) Fail to give at the time of submitting the said tender:
  - a. The correct information as to the date of retirement of such retired engineer or retired officer from the said service, or as to whether any such retired engineer or retired officer was under the employment of the Contractor at the time of submitting the said tender, or
  - b. The correct information as to such engineers or officers obtaining permission to take employment under the contractor, or
  - c. Being a partnership firm, the correct information as to, whether any of its partners was such a retired engineer or a retired officer, or
  - d. Being in incorporated company, correct information as to whether any of its directors was such a retired engineer or a retired officer, or
  - e. Being such a retired engineer or retired officer suppress and not disclose at the time of submitting the said tender the fact of his being such a retired engineer or a retired officer or make at the time of submitting the said tender a wrong statement in relation to his obtaining permission to take the contract or if the contractor be a partnership firm or an incorporated

company to be a partner or director of such firm or company as the case may be or to seek employment under the contractor.

Then and in any of the said clause, the Engineer on behalf of the DFCCIL may serve the Contractor with a notice (as per Proforma as **Form-24**) in writing to that effect and if the contractor does not within seven days after the delivery to him such notice proceed to make good his default in so far as thereof being made good and carry on the work or comply with such directions as aforesaid of the entire satisfaction of the Engineer, the DFCCIL shall be entitled after giving 48 hours' notice (as per Proforma as **Form-25**) in writing under the hand of the Engineer to rescind the and after expiry of 48 hours' notice, a final termination notice (as per Proforma as **Form-26**) should be issued and adopt the following courses:

To measure up of the work from which the contractor has been removed and get it completed by another contractor, the manner and method in which such work is completed shall be in the entire discretion of the Engineer whose decision shall be final.

**62.(2). Right of DFCCIL after, rescission of contract owing to default of contractor: In the event of any or several of the courses, referred to in sub-clause (1) of the clause, being adopted.**

- (a) the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any commitments or made any advances on account of or with a view to the execution of the works or the performance of the contract and contractor shall not be entitled to recover or be paid any sum for any work thereto for actually performed under the contract unless and until the Engineer shall have certified the performance of such work and the value payable in respect thereof and the contractor shall only be entitled to be paid the value so certified.
- (b) In the contract which has been rescinded, the Performance Guarantee already submitted for the contract shall be encashed. The failed Contractor shall be debarred from participating in the tender for executing the balance work. If the failed Contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV /partnership firm.

Further the authorized representative of failed Contractor cannot be accepted as authorized representative in new contract.

## **STATEMENT OF DISPUTES - ARBITRATION**

### **63.0 Conciliation of Disputes**

- (i) This clause is applicable in the tender having an advertised value less than or equal to Rs 50 (Fifty) Crore.
- (ii) All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred by the Contractor to the " CGM/CPM/GM " through "Notice of Dispute" provided that no such notice shall be served later than 30 days after the date of issue of Completion Certificate by the Engineer. CPM/CGM/GM shall, within 30 days after receipt of the Contractor's "Notice of Dispute", notify the name of conciliator(s) to the Contractor.
- (iii) The Conciliator(s) shall assist the parties to reach an amicable settlement in an independent and impartial manner within the terms of contract.

- (iv) In case the total value of all claims in dispute added together does not exceed Rs. One Crore, the number of Conciliator shall be one. For claims more than Rs. One Crore and upto Rs. Fifty Crore, the number of Conciliators shall be three.
- (v) The Sole Conciliator shall be nominated by the MD/ DFCCIL from the List of Empaneled Arbitrators / Conciliators maintained by DFCCIL. The sole arbitrator shall be appointed within 60 days from the day when a written and valid demand for Conciliation is received by CGM/CPM/GM of DFCCIL.
- (vi) In case, the Conciliation process consist of a panel of three members, the DFCCIL will send a panel of at least four (4) names from the List of Empaneled Arbitrators /Conciliators with DFCCIL empaneled to work as Arbitrator /Conciliator to the Contractor within 60 days from the day when a written and valid demand for Conciliation is received by the CGM/CPM/GM of DFCCIL. Contractor will be asked to suggest to MD/DFCCIL at least 2 names out of the panel for appointment as Contractor's nominee within 30 days from the date of dispatch of the request by DFCCIL. The MD shall appoint at least one out of them as the Contractor's nominee and will, also simultaneously appoint the balance number of conciliators either from the panel or from outside the panel, duly indicating the 'presiding conciliator' from amongst the 3 conciliators so appointed. MD DFCCIL shall complete this exercise of appointing the Conciliation Panel within 30 days from the receipt of the names of Contractor's nominees.
- (vii) If the parties reach agreement on a settlement of the dispute, they shall draw up and sign a written settlement agreement duly signed by Engineer, Contractor and conciliator(s). When the parties sign the settlement agreement, it shall be final and binding on the parties.
- (viii) The parties shall not initiate, during the conciliation proceedings, any arbitral or judicial proceedings in respect of a dispute that is the subject matter of the conciliation proceedings.
- (ix) The conciliation proceedings shall be subject to the provisions of the Arbitration and Conciliation Act 1996 and its amendments thereof.

**63.1 Matters Finally Determined by the DFCCIL:** All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred by the Contractor to the MD/DFCCIL and the MD/DFCCIL shall, within 120 days after receipt of the Contractor's representation, make and notify decisions on all matters referred to by the Contractor in writing provided that matters for which provision has been made in Clauses 7(j), 8, 18, 22(5),39.1, 39.2, 40A,43(2), 45(i)(a), 55, 55-A(5), 57, 57A,61(1), 61(2),62(1), 63(iv) and 63.2.11 of the General Conditions of Contract or in any Clause (stated as excepted matter) of the Special Conditions of the Contract, shall be deemed as 'excepted matters' (matters not arbitrable) and decisions of the DFCCIL authority, thereon shall be final and binding on the Contractor; provided further that 'excepted matters' shall stand specifically excluded from the purview of the Conciliation, Dispute Adjudication Board (DAB) and Arbitration.



**63.2 Dispute Adjudication Board (DAB):** This clause is applicable in the tender having advertised value more than Rs 50 Crore.

63.2.1 Any dispute/s if not settled with the Engineer, shall be referred to DAB.

The DAB shall consist of a panel of three Adjudicators from the List of Empaneled Arbitrators/Conciliators maintained by DFCCIL. The DAB shall be formed within 90 days of signing of Contract Agreement. For this purpose, a Panel of DAB members shall be maintained in the DFCCIL Corporate Office, New Delhi. The complete Panel, which shall not be less than five members, shall be sent by DFCCIL to the Contractor to nominate one member of the DAB from the panel as Contractor's nominee within two weeks of receipt of the Panel. On receipt of Contractor's nominee, the MD/DFCCIL shall nominate one member from the same Panel as DFCCIL nominee for the DAB. Both above nominees shall jointly select presiding member of the DAB from the same Panel.

63.2.2 The General condition of Dispute Adjudication Agreement is laid down in **Annexure- I**. The appointment of DAB shall be effectuated by way of a tri-partite DAB Agreement among the DFCCIL, Contractor and the respective DAB members as per format of **Annexure No. - III**. The terms of the remuneration of each member shall be as fixed by DFCCIL from time to time. Each party shall be responsible for paying one-half of this remuneration.

63.2.3 If one or more of the members appointed refuses to act as DAB member, or is unable or unwilling to perform his functions as DAB member for any reason whatsoever or dies or in the opinion of the MD fails to act without undue delay, the parties shall terminate the mandate of such DAB member and thereupon new DAB member shall be appointed in the same manner, as the outgoing DAB member had been appointed.

63.2.4 The appointment of any member may be terminated by mutual agreement of both Parties, but not by the DFCCIL or the Contractor acting alone. Unless otherwise agreed by both the Parties, the appointment of the DAB (including each member) shall expire upon expiry of this Contract Agreement.

63.2.5 Before start of DAB proceedings, each DAB member shall give the following certificate to the DFCCIL and the Contractor:

*"I have no any past or present relationship in relation to the subject matter in dispute, whether financial, business, professional or other kind. Further, I have no any past or present relationship with or interest in any of the parties whether financial, business, professional or other kind, which is likely to give rise to justifiable doubts as to my independence or impartiality."*

63.2.6 DAB proceedings shall be conducted as per Procedural Rules to Dispute Adjudication laid down in **Annexure - II**. The DAB shall give its decision within 84 days of a Dispute referred to it by any of the Parties, duly recording the reasons before arriving at the decision. The DAB shall

decide the issue within terms and conditions of the contract. This time limit shall be extendable subject to the Parties mutual agreement.

- 63.2.7 In case any party is not satisfied by the decision of DAB, then the aggrieved party may, within 28 days after receiving the decision, give notice to the other Party of its dissatisfaction. If the DAB has given its decision as to a matter in dispute to both Parties, and no notice of dissatisfaction has been given by either Party within 28 days after its received the DAB's decision, then the decision shall become final and binding upon the Parties.
- 63.2.8 No dispute shall be referred to Arbitral Tribunal unless the same has been referred to DAB for adjudication. However, in case DAB is not formed due to any reason, the disputes can be directly referred to Arbitral Tribunal to adjudicate the dispute.
- 63.2.9 In the specific cases of any misconduct by any of the members of the DAB, the parties shall have the right to specifically bring it to the notice of the DAB such conduct, through a statement filed with necessary documents in proof of such misconduct and the DAB, after taking NOTICE of such conduct initiate the replacement of the member concerned, in the same manner the member to be replaced was appointed.
- 63.2.10 Once the decision is given by DAB, DAB cannot review the decision at its own or on the request of one party, unless both parties agree for review of decision by DAB.
- 63.2.11 In case DAB decision is not challenged, or no Notice of Dissatisfaction has been issued by either Party within 28 days of receipt of decision of DAB, the decision shall be considered as final and parties would be barred for referring the same to Arbitral Tribunal for adjudication.
- 63.2.12 The obligation of the DFCCIL and the Contactor shall not be altered by reasons of issue being or under reference to DAB.
- 63.2.13 The DAB shall conduct the proceedings at any convenient venue which shall be decided by DAB in consultations with parties.
- 63.2.14 It is a term of this contract that the Parties shall not approach any Court of Law for settlement of such disputes or differences unless an attempt has first been made by the parties to settle such disputes or differences through DAB and Arbitral Tribunal.

**64. (1) Demand for Arbitration:**

- 64. (1)(i)** (a) In the event of any dispute or difference between the parties hereto as to the construction or operation of this contract, or the respective rights and liabilities of the parties on any matter in question, dispute or difference on any account or as to the withholding by the DFCCIL of any certificate to which the contractor may claim to be entitled to, or if the DFCCIL fails to make a decision within 120 days, then and in any such case, but except in any of the 'excepted matters' referred to in clause 63 of these conditions, the contractor, after 120 days but within 180 days of his presenting his final claim on disputed matters shall demand in writing that the dispute or difference be referred to arbitration.
- (b) A dispute, unless settled though Conciliation or in which DAB's decision has become final and binding, shall be finally settled by Arbitration as per Arbitration and Conciliation Act 1996 and its amendments thereof.

- 64.(1) (ii)** The demand for arbitration shall specify the matters which are in question, or subject of the dispute or difference as also the amount of claim item wise. Only such dispute or difference, in respect of which the demand has been made, together with counter claims or set off, given by the DFCCIL, shall be referred to arbitration and other matters shall not be included in the reference.
- 64.(1) (iii)** (a) The arbitration proceedings shall be assumed to have commenced from the day, a written and valid demand for arbitration is received by the DFCCIL.
- (b) The claimant shall submit his claim stating the facts supporting the claims along with all the relevant documents and the relief or remedy sought against each claim within a period of 30 days from the date of appointment of the Arbitral Tribunal.
- (c) The DFCCIL shall submit its defence statement and counter claim(s), if any, within a period of 60 days of receipt of copy of claims from Tribunal thereafter, unless otherwise extension has been granted by Tribunal.
- (d) The seat of arbitration would be (New Delhi). However, the venue for arbitration meetings or hearings can be any other place with the consent of parties.
- (e) Both the parties shall submit to the jurisdiction of the courts situated at New Delhi for the purpose of actions and proceedings arising out of the contract and the courts at Delhi shall have the sole and exclusive jurisdiction to hear and decide such actions and proceedings.
- 64.(1)(iv)** No new claim shall be added during proceedings by either party. However, a party may amend or supplement the original claim or defence thereof during the course of arbitration proceedings subject to acceptance by Tribunal having due regard to the delay in making it.
- 64.(1)(v)** If the contractor(s) does/do not prefer his/their specific and final claims in writing, within a period of 90 days of receiving the intimation from the DFCCIL that the final bill is ready for payment, he/they will be deemed to have waived his/their claim(s) and the DFCCIL shall be discharged and released of all liabilities under the contract in respect of these claims.
- 64.(2) Obligation During Pendency of Arbitration:** Work under the contract shall, unless otherwise directed by the Engineer, continue during the arbitration proceedings, and no payment due or payable by the DFCCIL shall be withheld on account of such proceedings, provided, however, it shall be open for Arbitral Tribunal to consider and decide whether or not such work should continue during arbitration proceedings.
- 64.(3) Appointment of arbitrator**
- 64.(3)(a):** In cases where the total value of all claims in question added together does not exceed ₹ 1,00,00,000/- (Rupees One Crore), the Arbitral Tribunal shall consist of a Sole Arbitrator from the List of Empaneled Arbitrators, nominated by the MD/DFCCIL. The sole arbitrator shall be appointed within 60 days from the day when a written and valid demand for arbitration is received by MD/ DFCCIL.
- 64.(3)(b):** In cases not covered by the Clause 64(3)(a), the Arbitral Tribunal shall consist of a panel of three members, as the arbitrators. For this purpose, a broad based panel of Arbitrators shall be maintained in DFCCIL corporate office, New Delhi. The panel, which shall not be less than 5

members, shall be sent by CGM/GM DFCCIL to the Contractor to nominate one member of Arbitral Tribunal from the Panel as Contractor's Nominee within 2 weeks of receipt of the panel. On receipt of Contractor's Nominee, the MD/DFCCIL shall nominate one member from the same panel as DFCCIL nominee for the Arbitral Tribunal. Both above nominees shall jointly select Presiding Arbitrator of the Arbitral Tribunal from the same panel.

- 64.(3)(c) (i):** If one or more of the arbitrators appointed as above refuses to act as arbitrator, withdraws from his office as arbitrator, or vacates his/their office/offices or is/are unable or unwilling to perform his functions as arbitrator for any reason whatsoever or dies or in the opinion of the MD DFCCIL fails to act without undue delay, the MD DFCCIL shall appoint new arbitrator/arbitrators to act in his/their place in the same manner in which the earlier arbitrator/arbitrators had been appointed. Such re-constituted Tribunal may, at its discretion, proceed with the reference from the stage at which it was left by the previous arbitrator (s).
- 64.(3)(c)(ii):** (a) The Arbitral Tribunal shall have power to call for such evidence by way of affidavits or otherwise as the Arbitral Tribunal shall think proper, and it shall be the duty of the parties hereto to do or cause to be done all such things as may be necessary to enable the Arbitral Tribunal to make the award without any delay. The proceedings shall normally be conducted on the basis of documents and written statements.
- (b) Before proceeding into the merits of any dispute, the Arbitral Tribunal shall first decide and pass its orders over any plea submitted/objections raised by any party, if any, regarding appointment of Arbitral Tribunal, validity of arbitration agreement, jurisdiction and scope of the Tribunal to deal with the dispute (s) submitted to arbitration, applicability of time 'limitation' to any dispute, any violation of agreed procedure regarding conduct of the arbitral proceedings or plea for interim measures of protection and record its orders in day to day proceedings. A copy of the proceedings duly signed by all the members of tribunal should be provided to both the parties.
- 64.3(c)(iii):** While appointing arbitrator(s) under Sub-Clause 64.(3)(a) & 64.(3)(b) above, due care shall be taken that he/they is/are not the one/those who had an opportunity to deal with the matters to which the contract relates or who in the course of his/their duties as DFCCIL/Railway servant(s) expressed views on all or any of the matters under dispute or differences. A certification to this shall be taken from Arbitrators also. The proceedings of the Arbitral tribunal or the award made by such Tribunal will, however, not be invalid merely for the reason that one or more arbitrator had, in the course of his service, opportunity to deal with the matters to which the contract relates or who in the course of his/their duties expressed views on all or any of the matters under dispute.
- 64.(3)(d)(i):** The arbitral award shall state item wise, the sum and reasons upon which it is based. The analysis and reasons shall be detailed enough so that the award could be inferred therefrom.
- 64.(3)(d)(ii):** A party may apply for corrections of any computational errors, any typographical or clerical errors or any other error of similar nature occurring in the award of a Tribunal and interpretation of a specific point of award to Tribunal within 60 days of receipt of the award.
- 64.(3)(d)(iii):** A party may apply to Tribunal within 60 days of receipt of award to make an additional award as to claims presented in the arbitral proceedings but omitted from the arbitral award.
- 64.(4):** In case of the Tribunal, comprising of three members, any ruling on award shall be made by a majority of members of Tribunal. In the absence of such a majority, the views of the Presiding

Arbitrator shall prevail.

- 64.(5):** Where the arbitral award is for the payment of money, no interest shall be payable on whole or any part of the money for any period till the date on which the award is made.
- 64.(6):** The cost of arbitration shall be borne by the respective parties. The cost shall inter-alia include fee of the arbitrator(s), as per the rates fixed by DFCCIL from time to time and the fee shall be borne equally by both the parties, provided parties sign an agreement in the format given at Annexure-IV to these conditions after/ while referring these disputes to Arbitration. Further, the fee payable to the arbitrator(s) would be governed by the instructions issued on the subject by DFCCIL from time to time irrespective of the fact whether the arbitrator(s) is/are appointed by the DFCCIL or by the court of law unless specifically directed by Hon'ble court otherwise on the matter.
- 64.(7)** Subject to the provisions of the aforesaid Arbitration and Conciliation Act 1996 (as amended up to date) and the rules thereunder and relevant para of the General Conditions of Contract and any statutory modifications thereof shall apply to the appointment of arbitrators and arbitration proceedings under this Clause.
- 64.(8)** In case arbitration award is challenged by a party in the Court of Law, 75% of award amount, pending adjudication by Court of Law, shall be made by party to other party. In case payment is to be made by DFCCIL to Contractor, the terms & conditions incorporated in the DFCCIL Policy as amended from time to time, shall be followed. In case Contractor has to pay to the DFCCIL, then 75% of the award amount shall be deducted by the DFCCIL from the Contractor's bills, Performance Guarantee or any other dues of Contractor with the Government of India.
- 64.(9)** The Arbitrator Fee will be governed by latest Fee structure for empanelled DFCCIL arbitrators.

## Chapter V

### Terms of reference (TOR)

#### General

- 1 The Maintenance of DFCCIL RGM Formation and RIV has to be done as per maintenance provisions given in Chapter VII and VIII of this RFP. If any provision of Maintenance is not mentioned in Chapter VII and VIII of this RFP, then OEMs maintenance manual has to be referred and in case any provision of Maintenance is missing in OEMs manual, then Maintenance of DFCCIL RGM Formation and RIV has to be done as per good industry practices.
- 2 Contractor shall submit Project **Quality Plan** and **Project Quality Assurance** which shall be scrutinized by the DFCCIL prior to being adopted in implementation of this O&M Contract. A bad Quality Work shall constitute Non-Performance and DFCCIL shall be entitled to Contractual remedies to make good their losses.
- 3 Bidders shall submit Back-to-back Technical support, by way of a duly Apostilled OEM Technical Support Letter from the Original Equipment Manufacturer (OEM-M/s Loram Maintenance of Way Inc.-USA). OEM's Technical Support includes direct interaction with M/S Loram, USA to address machine service needs. The cost of 1 M/s Loram, USA Equipment Specialist for three (3) days visit in every 3 months for entire duration of contract is included in the rate of item No.1 and 2 of Schedule A of SOR of this RFP.
- 4 The O&M Contractor shall submit a detailed report, within 90 days of the commencement of this O&M Contract, duly delineating in sufficient elaboration the current status / health of the RGM Formation and RIV as on commencement date so as to enable the DFCCIL to correctly assess the condition of RGM Formation and RIV.
- 5 The DFCCIL shall hand over all the spares/consumables available with DFCCIL for the O & M of the RIV & RGM Machines to O & M Contractor with 15 days of issue of LOA.
- 6 A comprehensive List of machine spare parts (in **Form - 3B**) and consumables (**Form – 3C**) of RFP on best assessment basis to be submitted by the Bidders in **Financial Bid**. All Machine spare parts and consumables, mentioned in the comprehensive list, shall be procured and brought to DFCCIL Premises at designated place (depot) as per inventory yard stick submitted by Bidder. The newly procured machine spares and released after replacement components shall be the property of DFCCIL. Transportation of machine Spares to the machine from DFCCIL Depot and vice-versa will be responsibility of O&M Contractor.
- 7 All tools and plants, drawings, manuals, which have been supplied by the OEM to DFCCIL will be handed over to the O&M Contractor free of cost for use along with the machine during O&M Services period. O&M Contractor shall maintain a real time-based record of the inventory of such Material, Tools and plants (T&Ps) in a separate Ledger (to kept with Machine operating Staff) for inspection by DFCCIL Personnel. All these Materials and T&P etc are to be handed over in good/working condition after expiry of the contract period to DFCCIL.

- 8 **Availability of RGM Formation & RIV for operation-** O&M Contractor shall, in consultation with DFCCIL, draw up a comprehensive grind plan for the next 30 days which shall be given effect to.
- 9 In case applicable to POH, Process of Successful Completion of POH along with details of each operation carried out in correct sequence, as per approved Method Statement and Work plan of each POH, under the direct supervision of OEM's (M/s Loram,USA) relevant personnel including domain experts. The OEM expert shall certify, under submission of a detailed Report of successful completion of POH, that POH operation were carried out as per approved method statement and work plan and the Machines functionality was restored nearly to original and the Machines would, except normal scheduled repairs and scheduled replacement of Spares, would not require any replacement of Spares for the next two Years (spares free period).

### **Rail Grinding**

- 10 **Rail Grinding** is done to re-profile the railhead taking into consideration the profile of the wheel for optimization of the rail wheel contact band and thereby making rail wheel interaction favorable with expectation that rail grinding increases the life of the rail and the wheel, apart from reducing the rate of generation of defects in the rails.
- 11 **Target Rail profile-** Target rail profiles are the rail profiles to be achieved after rail grinding and are designed to produce minimum contact stresses during rail wheel interaction. Nature of Rail Wheel interaction is different on straight track as compared to curved track. It is different on mild curves and on sharp curves, for high rail and for low rail of a curve. The target rail profiles to be achieved by grinding are therefore different for each of these locations and are designed to produce least stresses during rail wheel interaction.
- 12 **Patterns-** Grinding stones are positioned across the railhead to achieve a particular pattern for removal of metal. The position of a stone is characterized by the angle of the rotation axis of the stone from the vertical. Thus, depending upon the angle, the location of the grinding by each of the stone on the railhead will vary. A pattern will be defined by angle and power of each of the motors working on the railhead. For grinding at different locations, it is required to select one of the designed grinding patterns to achieve the target rail profile in one or more passes. Different patterns may be used for left and right rail of the same track. Metal removal from the railhead will depend upon the following factors:
- (a) The number of grinding stones working on a rail.
  - (b) The power of the motors.
  - (c) Speed of grinding.
  - (d) Number of passes.
  - (e) Hardness of the rail.
  - (f) Characteristics of grinding stones (depending on specifications of the manufacturer).

- 13 **Grind data Management system-** O&M Contractor may use Grind Data Management System (GDMS) of M/s Loram, USA which is an integrated automatic data acquisition, data management, quality control, reporting, and planning tool for Rail Grinding. GDMS is a software-based system, which is fed with track data, different pre-decided patterns and proposed target profiles for different track geometry and structure. It uses these details to suggest patterns to be followed for grinding at different locations. It uses laser-based rail profile management system available in the front as well as on the rear of the grinding machine, also available in the RIV, to record the pre and post grinding rail profile. By taking a measuring run of RIV, in advance, GDMS has the facility of recommending one of the pre-fed patterns to get target rail profile from the existing rail profile. After measuring the existing rail profile and choosing the target rail profile, GDMS recommends patterns and speed to get the most efficient results. O&M Contractor is free either to use M/s LORAM, USA GDMS or can adopt any other GDMS in use on any Advanced Railway System of any country of world.
- 14 **Grinding Strategy** -The O&M Contractor shall, upon the basis of the Target Rail profile and patterns to achieve such target Rail profile being decided through application of GDMS, adopt a suitable Grinding Strategy to decide the metal removal during the process of grinding and the frequency of grinding with a purpose to control Rolling Contact Fatigue. O&M Contractor shall decide the type of rail grinding whether it would be (i) Preventive Grinding, (ii) Preventive Gradual grinding or (iii) Corrective grinding. O&M Contractor shall share, the prior RIV run generated data fed GDMS analysis-based Target Rail Profile, Pattern, Grinding Strategy, with the DFCCIL time to time.
- 15 **Grind Quality Index** – The post grinding profile achieved is compared with the target rail profile by GDMS and an index known as Grind Quality Index (**GQI**) is displayed during the run. GQI gives an idea about deviation with respect to the target rail profile. GQI value of 100 means that target profile has been achieved (within the specified tolerances). **GQI value of Avg. 80 or above can be considered acceptable.** O&M Contractor shall finalize the Grinding Strategy to achieve GQI value of 80 or more. Following Instruments are to be used for finalizing Grinding Strategy and measuring GQI by O&M Contractor:
- i) **MINIPROF** – MINIPROF is an equipment to measure the profile of the railhead to the accuracy of 0.054 mm. This is contact type rail profile measuring system. It is also used to compare the post grind profile to the target profile to assess the appropriateness of the grinding parameters.
  - ii) **Bar Gauge** – This is a handheld instrument used for measuring of profile of the railhead. Four templates are attached to this gauge for 4 target profiles, namely CPC, CPF, HRS and HRM. Deviation of existing profile from target profile is quickly known by putting one of the templates over the railhead and then using taper gauge to measure the gaps.
  - iii) **Star Gauge** – This gauge is in the form of template having five different rail top radii. This instrument is used to make a quick check to compare the actual radius of the rail top, before and after grinding operation.
  - iv) **Digital Inclinator** – This is used to know the angle of grinding stone at a particular point on the rail surface. By simply keeping the instrument at a particular location, the angle will be known in digital form.
  - v) **Surface Roughness Measuring Gauge** – Roughness after grinding is high. This gauge measures the roughness of rail. Roughness after grinding should be within acceptable limits (less than 12 micron).

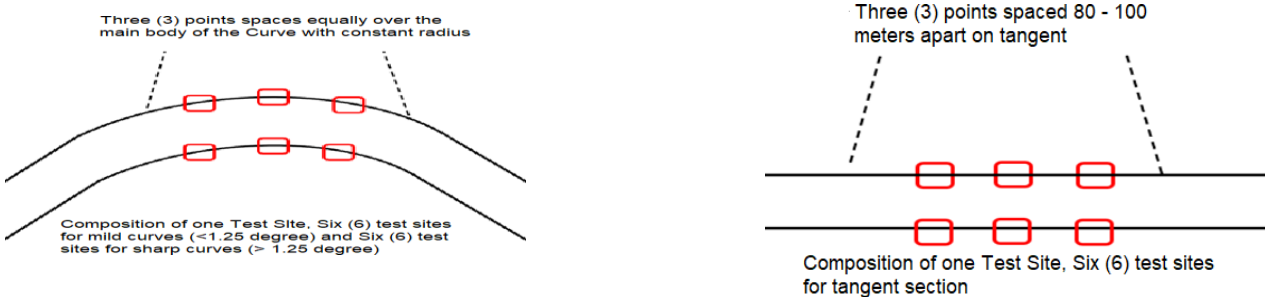


- vi) **Rail Hardness** – The grinding should not cut the head hardened layer from the rail top completely. This will increase wear rate after grinding. This instrument is used to measure hardness before and after grinding.

16 **Quality Inspection of Grinding** - It is essential to monitor the quality of grinding. A typical test site consists of stretch of track covering three sleeper spacings divided into three parts – first for measuring rail profile by MINIPROF (Marked as MP), second for taking surface photographs and the third for doing Dye Penetration Test and taking DPT photographs. Inter-distance of the test sites will depend on the variation in the features in that section. Some of the Quality Checks of Rail Grinding are as under:

- i) **Monitoring Rail Surface Finish** – The condition of the rail top after grinding gives a lot of clues about the quality of grinding. A good finish should have regular grind marks of the grinding stones (these are known as facets) with silver finish. A bad finish will have irregular marks or skipped grinding at regular interval or blue colour on rails at certain locations (**known as blueing defect**) or irregular facet width etc.
- ii) **Surface roughness after grinding**- The rail surface should not become too rough after the grinding. **The surface roughness level should not go beyond 12 microns after grinding.**
- iii) **Crown radius** – Crown radius of the railhead is measured before and after grinding by star gauge. The crown radius should be closer to 250 mm at the center of railhead after grinding.

17 **Test Site Management:** During the O&M period, 18 Nos of Test Sites on EDFC (for 90 UTS rails) and 18 Nos on WDFC (for 1080 HH E1 rails) are already developed by O&M Service provider (earlier awarded short term O&M Contract) and shown, schematically, below, may be made use of by the Contractor



17.3 As part of the O&M Services provided by the O & M Contractor, 18 test sites on EDFC and 18 on WDFC would be actively managed by them. This would include at least 6 mild curves, 6 sharp curves and 6 tangents locations on EDFC and WDFC each. Breakup of test sites on each DFC corridors are as under:

- 3 mild curves at same location on UP Line and DOWN Line
- 3 sharp curves at same location on UP Line and DOWN Line
- 3 tangents at same location on UP Line and DOWN Line

17.4 These locations should be maintained as permanent test sites and should be remarked periodically by proper paint by O & M Contractor. As part of requirement of the Test site management, O & M Contractor shall record the following for each test site:

- Pre-Grinding Miniprof, surface photograph and dye penetration test, within 10 days before grinding
- Post Grinding Miniprof, surface photograph and dye penetration test, within 10 days after grinding.
- Maintaining proper record of the same.
- Sharing run on run analysis for all 18 test site locations.
- Review of grinding pattern changes needed, if any post analysis.
- Review for further changes in profile and grinding cycle.

17.5 As part of this exercise, any existing templates would also be reviewed and modified as needed.

17.6 At each test site location in 100 m stretch Rail Grinding shall not to be done and permanent 6 measuring point (3 on left and 3 on Right rail) to be marked and Rail wear needs to be measured as when being done in designated location before actual rail grind of every cycle all 18 Test sites of EDFC and WDFC.

### **Rail Life Extension Analysis Services**

18 **DFCCIL** had to implement rail grinding services (including rail-wheel interface studies) on DFC entire network Tracks. Such rail-wheel studies are a continuous process requiring techno-commercial analysis of existing wheel and rail profiles. As part of this tender, Rail Life Extension Analysis Services are required and thus forms part of the O&M Contract. Rail Life Extension Analysis has to be done by O & M Contractor under the active support, supervision & training provided by OEM (M/s Loram, USA). Rail life extension Analysis has to be done in 4 years period after award of the work to successful bidder. The following items are included as part of this service:

- (i) Setup virtual test sites to collect new data such as vehicle-track dynamics, wheel-rail interaction, rail wear, rolling contact fatigue risk at the past test sites without requiring extensive additional monitoring
- (ii) Expand rail life monitoring and calculations across the network without additional tests site and calculate the tangible life extension and economic benefits of DFCCIL improvements
- (iii) Compare how further innovations to rail management (grind profile, grind frequencies, grind strategies in limited block windows, friction management) could further extend life and provide other benefits such as noise, safety, ride quality, etc.

19 O & M Contractor within 30 days of receiving the Commencement notice from the DFCCIL, shall submit a method statement on 'Rail Life Extension Analysis Services' to the DFCCIL with clear description of methodology to be adopted, measurements to be taken, studies to be made, digital analysis after feeding the measurement data in the dedicated Software and project of results, contained **in a comprehensive Report** with clear recommendation as to the progress achieved and the way forward for the future to seek desired extension, to the extent of 30% over and above stipulated Rail life, of life of Rails in DFCCIL Track. Such Report shall be prepared & signed by OEM Expert and submitted by O & M Contractor for DFCCIL's scrutiny and approval. O & M Contractor shall, in addition, make a detailed presentation on the subject to ensure the DFCCIL familiarization with this analysis. Such Report shall be scrutinized by the DFCCIL and approved. Such Report shall form the base document to monitor the physical execution of the Rail life extension Analysis.

- 20 After successful completion of such **Rail life extension analysis**, O & M Contractor shall submit a **comprehensive** 'Rail Life Extension Analysis Services' **Report** to the Employer with clear description of methodology adopted, details of measurements taken, studies made, details of digital analysis after feeding the aforesaid measurement data in the dedicated updated Software and **results of Rail Life extension Analysis, contained in a dedicated Chapter**, with clear certification as to the actual progress achieved, in real time, duly bringing out the extension of Rail life achieved and the way forward for the future to seek desired extension, to the extent of 30% over and above stipulated Rail life, of life of Rails in DFCCIL Track. Such Rail Life Extension Analysis Report shall be prepared, signed By OEM's Experts and submitted by O & M Contractor. Acceptance of the O&M Contractor report shall pave the way for payment to be released to the contractor against the successful execution of 'Rail Life Extension Analysis Services.
- 21 DFCCIL understands that '**Rail Life Extension Analysis Services**' is to be provided using **OEM's proprietary Loram Virtual Rail (Loram VR) Digital Twin software** to create customized rail life extension simulator "virtual test sites" for DFCCIL. OEM's proprietary software patent is also to be attached with the tender. The outputs from each customized rail life extension simulator include:
- (i) Wear life extension simulations (natural wear due to wheel-rail interaction and artificial wear due to the grinding plan)
  - (ii) Rolling Contact Fatigue (RCF) life extension simulations (RCF initiation risk and crack growth)
  - (iii) Grinding strategy analysis (comparison of different grinding strategies' benefit at the test site or other tangent, mild curve or sharp curves, including evaluation of target rail profile to maximize the rail life)
- 22 **Technical Scope and Approach-** O&M Contractor will provide DFCCIL Rail Life Extension Analysis Services as part of a three-step approach:
- a) Evaluate and expand past DFCCIL test sites
  - b) Expand life extension monitoring across the network
  - c) Evaluate life extension improvements
- 23 **Implementation Planning** – Once DFCCIL is satisfied with the expected performance of the new rail profile in simulations, O&M Contractor in consultation with M/s Loram, USA has to provide a grinding plan for implementing the new target profiles. OEM will use the Loram VR – Economic Module to calculate the cost of implementing the rail profile and compare it to the expected savings.
- 24 **Continuous Improvement** – O&M Contractor in consultation with OEM (M/s Loram, USA) will continue to suggest improvements to the profile as necessary based on field feedback, modelling iterations, and changes to DFCCIL/Indian Railway wheels and traffic as provided and highlight when the profile should be re-evaluated.
- 25 Additional Technical Scope & Services by O&M Contractor also includes following items:
- a) **Data Collection** – O&M Contractor in consultation with M/s Loram, USA will work with DFCCIL to collect the required data from the chosen test site locations. O&M Contractor's team will work with DFCCIL to collate this data and provide the same in structured manner.

- b) **Setup Physical Test Sites** – Based on the data analysis and prioritization of specific locations on track from the Data Analysis to Select High Priority Locations, O & M Contractor in consultation with M/s Loram, USA will work to setup wheel-rail test sites to study to collect initial rail profile, wheel profile, and friction management data.
- c) O&M Contractor's subject matter experts will inspect and measure rails at DFCCIL in various locations and evaluate rail wear and deterioration including:
- Rail Profile measurements with MiniProf and/or Calipri to evaluate existing rail shape and wear
  - Running Band measurements visually to evaluate wheel-rail interaction.
- d) O&M Contractor's team shall measure wheels in service on DFCCIL rolling stock at various maintenance locations to evaluate tread and flange wear and deterioration:
- Wheel Profile measurements with MiniProf to evaluate existing wheel maintenance and wheel-rail interaction
  - Wheel Condition measurements visually to evaluate wheel-rail interaction and defect rate.
- e) O&M Contractor's team shall inspect rail lubrication program for appropriateness to address the wheel and rail issues as well as for proper maintenance including:
- Friction Coefficient measurements with tribometer to evaluate friction management effectiveness
  - Wayside Inspections measurements visually to evaluate maintenance practices and uptime.
- f) Field Monitoring – O & M Contractor's team & M/s Loram, USA will monitor data on the rail, including contact band behavior and wear data, to ensure the rail is behaving as expected and DFCCIL is receiving the expected benefits. O&M Contractor shall inspect the track after the new profile designs are implemented and collect the same data at the same location and inspect the track at the same locations 3-4 months afterwards.

- 26 In case, DFCCIL goes for 3<sup>rd</sup> party audit of Rail Life Extension Analysis submitted by Bidder for its adequacy, in that case O & M contractor has to provide all data in the form needed by 3<sup>rd</sup> Party for checking the adequacy of Rail Life Extension Analysis submitted by Bidder. The cost of arranging data for 3<sup>rd</sup> part is included in the rate of of schedule F of SOR of this RFP.

**Technical Training of 4 weeks at RGM OEM Premises**

- 27 O&M Contractor shall arrange 4 weeks Training to 4 personals of DFCCIL in OEM (M/S Loram, USA) premises. The cost of Training by OEM, Field visits planned for imparting field training are included in O & M contractor's scope. All associated cost of lodging/boarding, transportation from India to OEM premises and Visa of DFCCIL personnels are to be borne by DFCCIL.
- 28 The Bidder has to submit the Detailed Training Program of 4 weeks which is to be imparted to 4 DFCCIL personals covering aspects of Rail Life Extension Analysis, Test site management, Operation and maintenance of RGM Formation and RIV along with his offer.

## CHAPTER - VI

### Special Conditions of Contract

#### For

#### Operation and Maintenance of 72 Stone RGM Formation (Front Car, 3 Grinding Cars, One Water Tanker and Camping coach) and RIV

##### 1.1 Objective

The objective of this O & M Contract is the operation and maintenance of DFCCIL's RGM Formation and RIV including 2 POH of RGM Formation and one POH of RIV, supply of consumables, Spare parts and Grinding stone for smooth working of RGM Formation and RIV by the O & M Contractor in the manner and to the standards and within the time stipulated in this RFP. In full recognition of this objective and with full acceptance of the obligations, liabilities and risks which may be involved, the O & M Contractor shall undertake the execution of the O & M Works of RGM Formation and RIV. The O & M work of RGM Formation and RIV shall be executed to the highest standards available using proven good Engineering practices.

This Tender will be governed by instructions to tenderers, General condition of Contract, Special conditions of contract and Prescribed Maintenance Activities of RGM formation in **Chapter-VII** and for RIV as per **Chapter - VIII** of this RFP. If there are varying or conflicting provisions in the documents forming part of the contract, Engineer shall be deciding authority regarding the intentions of the provision and decision of Engineer will be final and binding on the O & M contractor.

##### 1.2 ORDER OF PRECEDENCE

In case of any difference, contradiction, discrepancy, with regard to Conditions of tender/contract, Specifications, Bill of quantities etc., forming part of the tender/contract, the following shall be the order of precedence:

- (a) Contract Agreement
- (b) Letter of Award
- (c) Schedule of Items, Rates & Quantities
- (d) Special Conditions of Contract
- (e) Terms of Reference (TOR) of this RFP
- (f) Technical specification of DFCCIL RGM Formation and RIV
- (g) General Conditions of Contract
- (h) Schedule of Dimension of DFCCIL
- (i) G & S R of DFCCIL
- (j) OEM RGM and RIV Operation manual,
- (k) OEM RGM and RIV Maintenance Manual and other Manuals
- (l) DFC Railroad Manual
- (m) Indian Railway Track Machine Manual

##### 1.3 Scheme of work

Within a period of 15 days from the date of issue of Letter of Acceptance of Tender, the O & M

Contractor shall submit the detailed plan for Operation & Maintenance of RGM Formation and RIV and various documents enumerated in tender papers to the DFCCIL. DFCCIL shall give a prior notice of 15 days to Contractor for mobilization and start of work at site. This scheme of the O & M Contractor shall generally cover the following:

- a) The organization to manage efficient Operation & Maintenance of RGM Formation and RIV.
- b) The documentation control system:
  - i) Basic control system.
  - ii) Records for maintenance
  - iii) Manual for operation & maintenance of machine based on IRTMM manual, DFCCIL's Technical specification of RGM Formation and RIV Maintenance and OEM manual for RGM Formation and RIV Maintenance.

#### 1.4 APPLICABLE TECHNICAL DOCUMENTS

The following manual/documents will be applicable for this work:

- (a) Technical specification RGM Formation and RIV.
- (b) OEM manual for RGM Formation and RIV Maintenance.
- (c) Indian Railway Track Machine Manual as updated on date of opening of tender. An updated copy of above manual/documents is available on Indian Railway web site [Indianrailways.gov.in/railway board](http://Indianrailways.gov.in/railway board).
- (d) Schedule of Dimensions (SOD). (An updated copy of above manual/documents is available on Indian Railway web site [Indianrailways.gov.in/railway board](http://Indianrailways.gov.in/railway board) and DFCCIL SOD).
- (e) DFCCIL's General & Subsidiaries rules (Copy may be collected from DFCCIL), and
- (f) DFCCIL's SHE Manual (An updated copy of the this manual is available on DFCCIL web site).

**Note:** Changes made in above documents during execution of contract will be communicated to O & M contractor by DFCCIL under clear acknowledgment. Subsequent changes after date of opening of tender including correction slips to above documents will be applicable only when revision of rates, terms and conditions are worked out with mutual consent.

#### 1.5 Obligations of Contractor & DFCCIL are incorporated in tender documents & important obligations on both parties are summarized below:

- (a) **Contractor's obligations:**
  - i) Maintain the RGM Formation as per Chapter – VII and RIV as per Chapter- VIII of this RFP by providing timely consumables, spares and maintenance staff etc. by his own manpower.
  - ii) Ensuring availability of agreed scale of staff for operation (movement, shifting and working) and maintenance of track machines.
  - iii) Ensuring availability of RGM Formation and RIV for working 22 days in month (132 days in a half year) except during POH periods.
  - iv) Offer the RGM Formation and RIV timely to DFCCIL for obtaining traffic block and avail traffic block as granted.
  - v) The block timings may be different depending upon the traffic pattern and shall be advised to the supervisor in advance, who will ensure that the machine is offered with due daily maintenance at least 30 minutes before the tentative block time.
  - vi) Will arrange proper lighting for night block working.

- vii) Carry out the O & M of RGM Formation and RIV by his own Machine Experts, Supervisors, Operators, Technicians and Helpers.
- viii) O & M Contractor will try to optimize the utilization of traffic blocks.
- ix) Indemnify the DFCCIL and maintain insurance as per contract.
- x) Provide accommodation and transport facilities to its staff.
- xi) The contractor will ensure validity of competency of staff and for this purpose he will spare the staff in time for refresher courses, Periodical Medical Examination and arrange suitable replacement at par with Indian Railway Track machine operators.
- xii) Contractor will supervise the Grinding of Rails, Rail profile measurement, Maintenance of RGM formation and RIV and other associated activities at its own cost and ensure safety at work site & of RGM Formation and RIV Maintenance and quality of Rail Grinding work.
- xiii) Shall maintain the record and submit periodical progress/information/reports as per contract.
- xiv) Shall make arrangements to expeditiously clear the block section in case of failure/derailment of RGM Formation/RIV by his own means and at his own cost.
- xv) During breakdown maintenance, O & M Contractor shall provide:
  - a. All necessary manpower needed to restore the RGM Formation/ RIV for operation.
  - b. All additional manpower and specialists for immediate troubleshoot and repair in the least possible time.
- xvi) Contractor shall ensure that all precautions to be taken while working in Track circuited area is observed as per **Para 279 of IRPWM**.
- xvii) After completion of days/night works contractor shall ensure that all equipment, tools and plants is cleared before leaving the site. No material whatsoever shall be left behind on track .
- xviii) The contractor shall ensure that all his staff wear proper uniform with personal protective equipment including helmets, safety shoes and illuminated jacket etc. while working.
- xix) The contractor shall take all necessary safety measures & precautions and the contractor shall be entirely responsible for the safety & security of his men & materials.
- xx) Contractor shall provide Photo-identity cards to all his staff & supervisors.
- xxi) Shall Adhere to statutory laws.
- xxii) To deploy competent staff fulfilling necessary medical requirements. Medical examination at nominated medical hospital/Health centre and charges of medical examination will be borne and paid by contractor.
- xxiii) While working on double/multiple line sections and part of RGM Formation/RIV shall not infringe the adjoining track, and it must be possible to permit trains at full speed on that track. If considered unavoidable for working, any infringement of the adjoining track shall be allowed only after obtaining the traffic block of that track.
- xxiv) The cost of all Manpower and Service Engineer (including of OEMs) required for all schedules of maintenance prescribed in OEM Maintenance Manuals are included in agreed rates of item No. 1, 2, 3, 4 and 5 of Schedule A of SOR of this RFP.
- xxv) The safe upkeep, storage and record updation of the spares and tools as supplied by the bidder shall, be the responsibility of the bidder himself.
- xxvi) In case of repair of Proprietary software/related hardware of the electronic components of the RGM Formation/RIV, Contractor has to transport the part to their nearest workshop at his own cost

**(b) DFCCIL's obligations:**

- i) To ensure timely availability of work site to O & M Contractor.
- ii) To ensure availability of correct and reliable track survey data in machine compatible



- format available to the RGM/RIV before start of Grinding/Rail profile recording operation.
- iii) Removing all axle counters/HABDs before Grinding work and refixing the same after Grinding activity.
  - iv) Arrange HSD oil and water for RGM & RIV and electricity supply at stabling siding
  - v) Carry out pre and post block activities.
  - vi) Provide look out men for safety of track and workers during block as per conditions of contract.
  - vii) To communicate changes made in IR/DFCCIL manuals/codes i.e. IRPWM, G&SR, IRTMM etc. to contractors.
  - viii) DFCCIL will provide the required training of contractor's staff regarding track protection, G & SR and issue valid competency certificate on payment basis.
  - ix) DFCCIL will provide and impose Speed Restrictions required for the work (if required).
  - x) DFCCIL will erect caution indicator boards, speed indicator boards and termination boards at appropriate locations as per prevalent speed restriction.
  - xi) DFCCIL will ensure timely availability of competent DFCCIL staff to submit requisition for traffic block, obtain and clear traffic block after completion of work. Based upon the track parameter, suitable speed at which traffic shall be opened will be mentioned by the competent DFCCIL staff in block clearance memo.
  - xii) DFCCIL will depute sufficient support staff (Engineering, S&T etc.) as per requirement during working of RGM Formation and RIV including look out/safety men for ensuring safety of track, train and workers at its own cost.
  - xiii) DFCCIL will ensure timely shifting of track machines by providing path and Competent DFCCIL(LP/ALP), wherever required.
  - xiv) DFCCIL will provide suitable sidings/track for stabling of track machines, nearest possible to work site.
  - xv) DFCCIL will provide sufficient open space in the nearest track machine depot/ISMD/IMD for storage of spares/consumables. DFCCIL shall provide, free of charge, adequate space for lubricants and spares at central depot location (if required) and office for manpower at depots, with free electricity, where RGM Formation and RIV is placed
  - xvi) After work the block section should be cleared at the earliest and if contractor is not able to clear the block section in case of failure/derailment of RGM Formation/ RIV . In such cases requiring DFCCIL's assistance of loco/ART/MFD van etc, the penalty as per contract will also be levied by DFCCIL on O & M contractor.
  - xvii) DFCCIL will examine the bills submitted by the contractor and will make timely payment as per contract conditions.
  - xviii) DFCC will provide free access to Contractor's operation and maintenance team members/vehicles/tools etc. The contractor will notify DFCCIL about the arrival of tools/heavy spares carrying vehicles for maintenance of the RGM Formation/ RIV well in advance, if it is expected after normal works hours.
  - xix) Wherever required, all necessary permissions has to be ensured by DFCCIL.
  - xx) DFCCIL shall intimate about the working hour well in advance preferably one day in advance. Before the end of each day's work the contractor shall be advised in writing by DFCCIL of the commencement time and duration of the following day's occupation(s).
  - xxi) O & M Contractor shall be allowed sufficient time on- track to calibrate and adjust the machine as part of the preventive maintenance of the machine. This time will be outside the scheduled occupation periods and will not be included in any of the Contract Measurements.
  - xxii) The live electric/signaling/telecom cables will be removed by concerned DFCCIL staff at their cost.
  - xxiii) Any item which is not specifically included in the scope of O & M contractor will be carried out by DFCCIL either departmentally or through other agencies.

xxiv) Adhere to all its obligations as per O & M Contract conditions.

## **1.6 GENERAL REQUIREMENTS**

- 1.6.1 The O & M Contractor has to execute the work of Operation & Maintenance of 72 Stone RGM Formation and RIV Machines which will be deployed over pan DFC network as per the instructions of DFCCIL. During the execution of the contract HSD and water are to be provided by DFCCIL free of cost to the O & M Contractor at Stabling siding. The cost of all consumables, manpower and other logistics required for operation and maintenance of machines are included on contract price excluding cost of HSD oil, water and electricity in RGM stabling siding.
- 1.6.2 The O & M Contractor is responsible for ensuring the availability of machines for 06 hour every day for grinding operation (which might be increased by up to 2 to 3 hours depending on traffic condition over DFCCIL during operation). During maintenance shift, the stipulated maintenance of RGM Formation/RIV stipulated preventive checks and scheduled maintenance of RGM Formation/RIV including all assemblies (like engines, generators, electrical control system etc.) or sub-assemblies (various water & HSD oil pumps, sensors etc.) as specified by OEM in Various OEM/Machine Manufacturer manuals to ensure its upkeep shall be carried out.
- 1.6.3 The timings of the shift are not fixed and will change depending upon corridor block timings. However overall shift time shall be 8 Hrs in a day. Roster of shift shall be issued by the respective field unit on weekly basis.
- 1.6.4 The machines will work on DFC tracks with the trains running on adjacent IR/DFC tracks. The O & M Contractor must ensure the care/safety/ health hazards of the labours engaged by him/her during the course of the execution of work. Necessary safety equipment shall be provided by the O & M Contractor for the staff engaged by the him. No extra amount is payable towards this.
- 1.6.5 O & M Contractor shall provide adequate and appropriate security at their disposal to protect and preserve the RGM Formation/RIV Machines from anti- social elements especially in insurgency defined areas, where the machine may be required to operate from time to time for which O & M Contractor shall arrange Insurance for RIV/RGM formation and the cost of same will be reimbursed by DFCCIL on production of Premium payment receipts on time to time.
- 1.6.6 The manpower employed by the O & M contractor shall have no right, whatsoever, for any appointment in the DFCCIL in temporary/adhoc/ daily wages/ regular capacity on the basis of their work in the DFCCIL territory.
- 1.6.7 Authorized DFCCIL's representative having route learning of the particular section where the RGM formation/RIV are working will be present for supervising the operation and to monitor the movement of the RGM/RIV from one section to another. RGM/RIV shall not be moved without authorized DFCCIL's representative. The same would be provided free of charge.
- 1.6.8 All tools and plants, drawings, manuals which are supplied by the DFCCIL to O & M Contractor free of cost for use along with the RGM Formation/ RIV shall be handed over back to DFCCIL in working condition after expiry of the contract period to DFCCIL authorized personnel.
- 1.6.9 When the RGM Formation and/or RIV is on transit from one station to another, there will be no routine maintenance, and RGM Formation/RIV shall be made available for movement in two shifts of 10 hours each (2x10 hours) in 24 hours' time frame till it reaches destination. The staff of operation and maintenance should be so redistributed to perform transit work with sufficient staff.
- 1.6.10 Special cleaning of RGM Formation and RIV should be carried out once a month with detergents and other cleaning agents to remove all soot, dust and to keep the entire RGM Formation and RIV in good appearance. The machine will be stabled at a place in OHE/non-OHE siding available

so as to ensure proper cleaning. Patch painting at rusted locations should be done after cleaning with matching color. No extra amount is separately payable towards this.

- 1.6.11 Complete and up to date records for daily/ weekly/monthly and higher maintenance schedules will be maintained by the contractor and counter signed by DFCCIL officials. The daily/Weekly/Monthly/ Half yearly progress reports ( in mutually agreed formats) shall be mailed to the nominated DFCCIL official.
- 1.6.12 Each party agrees to indemnify, defend, and hold harmless the other party from all liability, cost or expense ( including any court costs) caused by the joint and /or concurring negligence of the parties, arising on account of injury to or death of any employee, agent or representative of the indemnifying party during the performance of the Services or who shall, if not performing Services, be present as a bystander or otherwise on the property of either party, provided always, however, that if the injury or death to an employee of an indemnifying party is caused solely by the negligence of the other party then this indemnity and hold harmless provision shall be null and void, and the party who solely cause the injury or death shall bear the cost or expense. Notwithstanding any provision herein to the contrary, O & M Contractor's total cumulative liability for any or all claims arising out of this agreement shall not exceed the 10 % value of awarded Contract Amount.
- 1.6.13 The O & M contractor shall ensure compliance with all relevant Central/State laws and rules as applicable such as Tax Laws, Labour Laws and Insurance Laws etc with regard to this O & M contract and shall be solely responsible for the same and shall keep the DFCCIL fully indemnified against the liability of any Taxes, interest, penalty etc if any arising any connection with the contract may be incorporated. If any accident occurs with any worker of the contractor while doing his job, the DFCCIL will not be liable in any way and the sole responsibility for payment of compensation, etc. will be of the contractor.

## **1.7 MAINTENANCE OF RGM Formation and RIV**

- 1.7.1 The prescribed activities to be done during various maintenance schedules of RGM Formation are detailed in Chapter-VII of this RFP.
- 1.7.2 The prescribed activities to be done during various maintenance schedules of RIV are detailed in Chapter-VIII of this RFP.
- 1.7.3 The maintenance role encompasses undertaking all schedule/periodic/ routine of RGM Formation/RIV including all assemblies (like engines, generators, Hydraulic system, Pneumatic system and electrical control system etc.) or sub-assemblies (various water & HSD oil pumps, sensors etc) as specified by O & M Contractor/OEM updated from time to time, either by day or night.
- 1.7.4 OEM recommended consumables and spares will be provided by O & M Contractor RGM Formation/RIV and released spares/material shall be returned to DFCCIL stores. The transport of consumables, spares/released spares will be done by O & M Contractor without any additional cost.
- 1.7.5 Contractor will be responsible for upkeep of RGM Formation and RIV, along with preventive checks and schedule maintenance of RGM Formation/RIV as whole.
- 1.7.6 Daily maintenance activities shall be strictly followed before/after of Machine working. Other prescribed schedule maintenance are to be performed at appropriate time intervals in the balance time available after offering the RGM Formation/RIV for Grinding activities.
- 1.7.7 Routine maintenance of undercarriage systems shall also be undertaken by the contractor. All Workshop facilities to be arranged by contractor including repair of under frame system and for

wheel turning. In case this contractor request DFCCIL to arrange the same from Indian Railway, then if possible for DFCCIL it will be arranged by DFCCIL on the cost of O & M contractor. The Pit facility will be provided by DFCCIL free of cost at New Dadri or any other station of DFC.

- 1.7.8 The O & M Contractor should maintain inventory of consumables, critical spares RGM Formation and RIV on Machine itself or at nearest place in order to minimize the duration of breakdowns and delays in the repair and operation. He should keep stand by critical spare parts which requires long procurement period.
- 1.7.9 O & M Contractor shall be responsible towards mounting and dismounting of unserviceable/Serviceable/New components/parts/materials on the RGM Formation and RIV. O & M Contractor shall be responsible for providing serviceable components/parts/materials on the RGM Formation and RIV.
- 1.7.10 The O & M Contractor shall prepare and send to DFCCIL the days scheduled for planned/scheduled maintenance of the track machines during the month at least 15 days in advance of the beginning of the month.
- 1.7.11 All the fixtures on the Camping coach shall be maintained in good condition. All electrical, plumbing, furniture, electronics, computers/laptop, TV & DVD, Genset, washing machine, freezer, geysers, microwave/oven, communication and all other fixtures available in camping coach to be maintained at all times in good fettle and at the end of the contract period.

## **1.8 MAINTENANCE OF RECORDS**

- 1.8.1 Maintenance records during Schedule and breakdown maintenance shall be maintained each rolling stock wise of RGM Formation/RIV in hard copy as well as soft copy in mutually agreed formats. These record are to be maintained in a register form and are to be kept in the machine itself. These records shall be provided to DFCCIL by the crew on the machine in a timely manner.
- 1.8.2 The contractor shall maintain the history book, logbook and all other documents prescribed for RGM formation and RIV as per IRTMM and any other document that may be prescribed further in due course of time.
- 1.8.3 The contractor shall compile and submit a standard daily report accurately depicting operational timings, delays, reasons for 'NO work', machine availability, progress achieved by each track machine and maintenance input given to RGM Formation and RIV machine. DFCCIL representatives will also sign this report on a daily basis. In case of difference of opinion, he will write his observations on the daily report submitted by the O & M contractor for his signature.
- 1.8.4 The signed joint daily report shall be the basis for invoicing and shall constitute DFCCIL's acceptance of day-to-day work apart from the completion of scheduled maintenance in timely manner. Daily progress and history shall be mailed to the nominated DFCCIL official/s along with weekly and monthly progress reports in the prescribed format.

## **1.9 SPARE PARTS**

- 1.9.1 The cost of consumables, spare parts and Grinding stones will be paid by DFCCIL through schedule B, C and D respectively of SOR items of this RFP.
- 1.9.2 During the currency of the contract, if certificate from DFCCIL (in any) required by Contractor for importing spare parts/material/testers/ equipment for Customs clearance will be provided by DFCCIL unit in required format for speedy clearance on arrival at port.
- 1.9.3 O & M contractor must maintain adequate liaison with the various OEMs of various parts of RGM

Formation and RIV to ensure a quick turnaround of the strategic reserves.

- 1.9.4 **Recoupment of Inventory-** During the currency of Contract period, if inventory stock level fall below the defined minimum inventory level, the O & M contractor has to take action for automatic replenishment of stock level to recommended inventory level. Payments of the same shall be released by DFCCIL on receiving the same in DFCCIL warehouse on a monthly basis.
- 1.9.5 During various maintenance schedules various Consumables (filters, oil, lubricants, Coolants, Hydraulic fluids) are to be replaced at regular interval and also to be recouped on need basis. These consumables are also to be procured timely to maintain minimum inventory level, depending on procurement lead time and transported to DFCCIL warehouse for proper inventory management. Payments of the same shall be released by DFCCIL on receiving the same in DFCCIL warehouse on monthly basis.
- 1.9.6 During the currency of the contract O & M contractor will draw the various items required from DFCCIL inventory depot, transport it and install that part on the RGM Formation/RIV at his own cost.
- 1.9.7 The handling of required spare parts/consumables in DFCCIL depot and loading the same in trucks for transportation to RGM/RIV site has to be arranged by O & M Contractor at his own cost.
- 1.9.8 Before storing an engine, it should be thoroughly inspected, cleaned and preserved. It should be drained of any fluids, including fuel, oil and hydraulic fluids. The oil system should be filled with a preservative oil to protect internal components from corrosion. Likewise other Machine units are also to be preserved.
- 1.9.9 The Contract scope does not cover the Overhauling of various units of RGM Formation/RIV. If Overhauling/repairing of some parts/units is needed as per advice of OEM's experts, then rate of same will be decided mutually by DFCCIL and O & M Contractor.
- 1.9.10 Initial batch of spares of RGM Formation and RIV as per prescribed inventory level would be supplied within 2 months of issue of LOA. All such spares shall be kept in the custody of DFCCIL. DFCCIL shall issue such spares to the machines as per the O & M requirement RGM Formation/RIV.
- 1.9.11 One 4-wheeler vehicle in good condition with proper road permit and insurance for transporting men and material required for day to day working will be provided by O & M Contractor without any extra payment for transporting his Manpower and various materials and spare parts of RGM formation and RIV from his /DFCCIL stores.
- 1.9.12 The O & M Contractor shall submit the details of machine spares/ consumables required for proper upkeep of Machines. The spares supplied by the O & M Contractor for operations and maintenance shall be kept in DFCCIL stores and shall be issued to the Machines as per the machine requirement.

## **1.10 Operation of track machines:**

- 1.10.1 The RGM Formation/RIV shall be ready to work sufficiently in advance before the proposed normal block timing as decided in weekly planning. For minimizing the travel time of RGM Formation/RIV, the shunting operations should be done in advance and RGM Formation/ RIV should be kept ready near the starter signal towards the block section where the RGM Formation/RIV will work. This shall be planned by the DFCCIL supervisor. The contractor is required to factor this in the daily required working hours of the staff.
- 1.10.2 To move the RGM Formation/RIV from stabling siding to the work site and back, the DFCCIL shall provide the O & M Contractor with a staff, who is aware of the route to provide the directions for movement/travel. However, the O & M contractor will provide sufficient operators to move the machines in shift and will not refuse the movement of machine.
- 1.10.3 Before the start of new site/ shifting of RGM Formation and RIV base stabling siding, a program will be prepared by the O & M contractor in consultation with sectional APM/DPM of DFCCIL

and got signed by both the O & M Contractor and DFCCIL which will include the following:

- Location of the work
- Location and length of stabling siding
- Proposed schedule of blocks
- Site specific precautions
- Any other item as considered necessary for the work

- 1.10.4 Stabling track for RGM Formation/RIV should be provided with sufficient external lights so as to make them capable of working at night. The contractor shall make his own arrangements for extra lighting at site for working in night.
- 1.10.5 During block all essential safety and other DFCCIL working rules shall be followed by the contractor as well as DFCCIL staff.
- 1.10.6 O & M Contractor shall furnish adequate VHF sets for crew communication for safe operation of RGM/RIV, this should include at least 8 hands free devices
- 1.10.7 In case of failure of RGM Formation/RIV, the Contractor shall promptly inform the DFCCIL. Information should be provided on paper or electronically in a format, which shall be specified by the DFCCIL. The format may be changed from time to time, as required by DFCCIL.
- 1.10.8 If any RGM Formation/RIV breaks down during block and require DFCCIL/Railway's loco/haulage arrangement, in addition to penalty for block bursting, a penalty of Rs. 2,00,000/- per case will also be charged to contractor and will be adjusted from his running bills. Similarly, if any Rolling stock of RGM Formation/RIV is/are derailed and required assistance of Railway crane/ART/MFD van for re-railing, in addition to penalty for block bursting, a penalty of Rs. 4,00,000/- per case for crane and Rs. 1,00,000/- for MFD van will also be charged to the O & M contractor and will be adjusted from his running bills. These rates are as on tender opening date. For every year on the anniversary of LOA the above penalty rates shall be increased by 3% compound.

### 1.11 Traffic block, speed restrictions

The O & M contractor will clear the traffic block on time. Block busting on account of O & M contractors will attract following penalties per instance:

00-15 minute: NIL

15-30 minutes: Rs. 10,000/- 30-60 minutes: Rs. 20,000/-

> 60 minutes: Rs. 50,000/- per hour or part of hour

The above rates are as on tender opening date. For every year on the anniversary of LOA the above penalty rates shall be increased by 3% compounded.

- 1.12 Progress of work is likely to be affected due to various reasons, i.e. technical requirement of work, natural reasons, statutory reasons, DFCCIL account, O & M contractor account etc. Some of the reasons are indicated below (list is only indicative and not exhaustive):

SN	Reason	On account of
1	Shifting	DFCCIL Requirement
2	POH	Technical Requirement
3	Flood	Natural
4	National Holiday (15 <sup>th</sup> Aug, 2 <sup>nd</sup> Oct. and 26 <sup>th</sup> Jan)	Statutory
5	Force Majeure conditions	Force Majeure
6	No block	DFCCIL
7	Breakdown of RGM Formation/RIV	Contractor

8	Working days lost on account of attending breakdown of RGM Formation/RIV	Contractor
9	Non availability of Executive of Civil, S&T and LP/ALP or other DFCCIL staff essential for machine working/shifting/ movement.	DFCCIL
10	No/less staff at machine	Contractor
11	If time taken for POH is more than prescribed	Contractor
12	Accident on DFCCIL / Road user /trespasser / contractor account	As per joint inquiry report
13	SPAD (Signal passing at danger position by Machine Operator)	Contractor

- 1.13** The contractor will offer RGM Formation and/or RIV for work well before traffic block starts. If the RGM Formation/RIV is/are not able to work on account of any reason, it will be recorded jointly by contractor's representative and authorized DFCCIL staff. The progress will be monitored on a Half yearly basis. The RGM Formation/RIV will be considered as available if days are lost on account of natural reasons (i.e like heavy rains etc), statutory reasons, force majeure conditions, derailment (on account of DFCCIL) and other DFCCIL accounts. In every month, 22 days are estimated to be working day (including Sundays). The balance days are meant for maintenance functions during which time all maintenance activities are to be completed by the tenderer. No penalty will be levied on the contractor for loss of working days on account of DFCCIL, technical requirement, natural reasons, statutory reasons and Force Majeure conditions. If RGM Formation /RIV is/are not available for a minimum of 132 days in 6 months (Month will start from date of actual commencement of O & M work) on O & M contractor account, the payment of item No. 1/2 of Schedule A of SOR will be reduced proportionally and the penalty certificate will be rendered (as per enclosed **Annexure-V**). For example, if machine is available for only 130 days, the reduced payment will be =  $(130/132) \times$  the monthly payment shown in SOR item No. 1/2 of Schedule A of SOR ( for calculation of penalty amount 90% cost of Item No.1/2 will be considered for RGM Formation O & M and 10% for RIV O & M ). In case in contractor has made availability of RGM Formation/for working for more than 132 days in subsequent half year, then recovery already deducted in previous 6 months will be returned back for no of days in excess of 132 days. This adjustment will be made on a half yearly basis. For the purpose of adjustment of penalty, 80% O & M cost vide item No.1 of item No.2 of Schedule A of SOR is assumed for RGM formation and 20% for RIV.

#### 1.14 Requirement of Track machine staff

The contractor will provide competent staff for operation and maintenance of RGM Formation/RIV.

- 1.14.1 Contractor operators, Technicians and helpers shall be of sound physical and mental health and shall not be more than 65 years of age.
- 1.14.2 For overall supervision, control and management of RGM Formation and/or RIV and work, O & M contractors shall deploy one qualified graduate engineer having Degree in Civil/Mechanical/Electrical/Industrial engineering along with overall working experience of 8 years. If contractor is not able to initially deploy the qualified supervisor as above, or provide a replacement within 15 days, a penalty of Rs. 2,00,000/- per month ( for part of month- on prorata basis) per supervisor duly updated for PVC applicable for item No. 1 or 2 of Schedule A of SOR or part thereof will be imposed. Dy.CPM/DFCCIL is also empowered to stop the work with associated penalties under a situation of shortage of qualified track supervisor/s.
- 1.14.3 The O & M Contractor has to provide sufficient number of skilled/semi-skilled staff required for RGM Formation (Minimum 12 staff including 3 supervisors/operators at a time required, for operation and maintenance of RGM) and for RIV (Minimum 4 staff at a time including 1 supervisor).

- 1.14.4 Out of the 3 Supervisors on RGM Formation at least one should be Graduate Engineer in Civil/Mechanical/Electrical/Industrial Engineering having overall working experience of minimum 8 years and other 2 supervisor cum operators should be at least Diploma in Mechanical/Production/Industrial/ Automobile/Electrical/Electronics/Instrumentation Engg as required in item No. 1.14.2, above. Other 2 supervisors. However, if operator is having more than 10 years of working experience in Indian Railway as JE/SSE/TMC, the above educational qualification will be exempted, and such operators will be deemed to have requisite educational qualification.
- 1.14.5 The Supervisor on RIV should be a Graduate Engineer in Civil/Mechanical/Electrical/Industrial Engineering having overall working experience of minimum 8 years.
- 1.14.6 Technicians should be minimum ITI in any trade. However, if Technician is having more than 10 years of working experience in Indian Railway as Technician, the above educational qualification will be exempted, and such operators will be deemed to have requisite educational qualification.
- 1.14.7 Contractor's helpers should have minimum educational qualification of metric (10th pass).
- 1.14.8 All RGM Formation and RIV operators/supervisors shall be certified by the OEM and must have with valid competency certificate in train operation (G & S R) issued by HHI/Noida and medically fit in A-3 Category at all times during the currency of the contract. In case the initial/refresher course to be done for G & SR from HHI/Noida during the currency of this contract, the same shall be got done for the operators by the contractor at contractor cost. DFCCIL shall facilitate expediting the process. All the operators shall have valid PME certificate issued by Authorized Doctors of DFCCIL and all the Cost for medical examination connected with PME, shall be payable by the O & M Contractor.
- 1.14.9 Contractor's Technicians and Helpers shall be always fit in A-3 medical category during the currency of the contract. The classification of A-3 will be as per rules of Indian Railways. Contractor's staff will be required to undertake Periodical Medical Examination (PME) at designated hospitals of DFCCIL as per provisions of Indian Railway Track Machine Manual and G&SR.
- 1.14.10 If staff is less than the agreed scale of staff, penalty as under will be imposed

Operator - Rs. 5000/per day  
Technician - Rs. 3000/per day  
Helper - 2000/per day

Above penalty duly updated for PVC applicable for Item No.1 or 2 of Schedule A of SOR but this provision will not be applicable during Occasional shortage (two instances in a year, with each instance lasting not more than 7 days) of staff, provided overall strength of machine operator & technician remain more than 70% of agreed strength in respective category.

- 1.14.11 The contractor should factor in the requirement of working hours, occasional extended working hours, workload and required progress, leave, weekly off, sickness of staff, labour laws, holidays, training, refresher courses, periodical medical examination, maintenance requirement of RGM Formation and /RIV etc. while working out staff cost. Contractor will maintain the agreed scale of RGM Formation/RIV staff in each category during execution of work. O & M Contractor is advised to deploy multi-skilled operators capable and competent to operate and maintain RGM Formation and RIV and allied equipment's.

## **1.15 Competency and Training of Contractor's Operators, Technicians and Helpers:**



- 1.15.1 Before deputing its staff for movement/operation/working of track machines, Contractor shall impart the necessary training to its operators and obtain competency certificate from DFCCIL. Before issuing Competency Certificates, DFCCIL will check the knowledge of the contractor's operating staff and only after satisfying himself, shall issue the competency certificate. OEM's shall impart necessary training. DFCCIL G & SR training will be provided by DFCCIL. However, Boarding, lodging, transportation to training premises/site will be borne by contractor. In case, contractor imparts technical training at OEM's premises, the entire cost of such training shall be borne by the contractor.
- 1.15.2 Before deputing its staff for movement/operation/working of track machines, Contractor shall impart the necessary training to its Technicians.
- 1.15.3 The track machine staff deployed by the contractor will fulfill the required age, educational, training and medical criteria as mentioned above. Only those contractors' operators having valid competence certificate issued by DFCCIL will be authorized to operate and work the track machines. Before issue of competency certificate by DFCCIL, the track machine staff will fulfill all the criteria regarding age, educational qualification, training (technical & Safety) and medical fitness.
- 1.15.4 If actual working performance of any track machine staff of contractor is found not satisfactory or staff reports for duty in intoxicated state or indulged in indiscipline or continuous disregard of DFCCIL instruction or creating unsafe conditions towards working/operating of track machines/running of trains, concerned Dy.CPM/DFCCIL will be authorized to immediately demobilize the defaulting staff. Dy.CPM/DFCCIL will give notice to this effect to contractor and contractor will demobilize the defaulting staff as directed (immediately or within given time period). The contractor will also provide replacement for which a grace period of one month from the date of serving the notice to contractor will be provided. The resulting shortage of staff including penalty will be dealt with as detailed in subsequent sub-paras.
- 1.16 The RGM Formation /RIV will work on DFCCIL with the trains running on adjacent tracks. The contractor must ensure the care /safety/health hazards of the labors engaged by him/her during the course of the execution of work. Necessary safety staff/look out men/hand signal men/hooter men etc will be provided by the DFCCIL. O & M Contractor should organize regular safety camps/safety drills, including fire safety drills, at least once in a month and maintain necessary record. DFCCIL supervisors and officers may also be invited to counsel the staff with regard to safety of track, train and Workmen.
- 1.17 DFCCIL shall provide route learning to contractor's track machine operators in similar manner as applicable to DFCCIL track machine operators. No charge will be levied by DFCCIL from the contractor. For movement from DFCCIL to IR and back to DFCCIL from one work site to new work site and to/from IOH, assistance of ALP/LP is provided by DFCCIL without any extra cost.
- 1.18 The DFCCIL shall depute an authorized representative for the supervision of the site where the work is to be carried out by the track machine. He will also offer the machine to section control for movement and /or working. He will also submit the demand of traffic block to section control, coordinate with traffic control for timely and adequate traffic block, will accept traffic block and will clear the traffic block. No payment will be charged by DFCCIL for such supervisor. Supervisors of electrical, S&T and traffic department will also be deputed by DFCCIL at its own cost wherever required.
- 1.19 **Siding-** For stabling and repair/maintenance of RGM formation/RIV track will be provided by DFCCIL free of charge. The arrangements for security of RGM formation/RIV shall be made by the Contractor at his own expense. Water & electricity supply will be provided by DFC free of cost.

**1.20 Accommodation of staff:**

- 1.20.1 The O & M Contractor can utilize the accommodation facilities available in RGM Formation and RIV free of cost. O & M Contractor shall maintain and keep the camp coaches track worthy as per Railway rules.
- 1.20.2 If additional accommodation facility is needed for accommodating Manpower deployed by O & M contractor. The same has to be arranged by him at his own cost.. The Contractor shall arrange the timely transportation of his employees from their places of accommodation to the track machine stabling siding and back at his own cost

### 1.21 Compensation in case of Short closure of contract on DFCCIL Account

In case, DFCCIL doesn't want to continue the contract due to no scope, due to shortage of funds, or due to other reasons not attributable to contractor (except Force Majeure conditions), the contract may be short closed by giving notice of one month to the contractor. In case, on account claims of contractor are not cleared within 180 days from receipt of claims, contractor will have the option for short closing the contract at the expiry of 180-day period, by giving one month notice to DFCCIL to this effect. Till 30 days from giving such notice of short closure, the contractor will be bound to execute the contract at agreed rates, terms and contract. In case of short closure of contract by DFCCIL or by contractor in above circumstance, contractor will be entitled for following compensation after handing over RGM Formation and RIV to DFCCIL:

- a) All O & M works 'done as per contract agreement but not paid' will be paid.
- b) Performance Guarantee available with DFCCIL will be returned.
- c) The cost of spares **purchased** by Contractor for maintenance of RGM Formation and RIV on production of actual purchase bills and the Spares will become property of DFCCIL.
- d) Rs. 1,00,000/- for demobilization of human resources.

### 1.22 Termination/short closure on other than DFCCIL account

- 1.22.1 In case of termination of O & M contract on Contractor Account no compensation, payments will be made, except payments for works already done conforming to contract agreement. In case of termination on contractor account, Security deposit (SD) and Performance Guarantee (PG) will also be forfeited in terms of contract agreement.
- 1.22.2 In case of persistent Force-Majeure conditions, contract may be short closed with the consent of both parties and without financial liabilities on either side. In such cases, no compensation payments will be made, due payments for works already done conforming to the contract agreement will be cleared and available SD & PG will be released.
- 1.22.3 In case of termination on Contractor Account/short closure in case of persistent Force-Majeure conditions, the Contractor will remove all his establishment, materials, offices from DFCCIL premises, within 30 days, after which Penalty @ Rs.10000/per day/ location will be levied. In case the premises are not vacated within 90 days DFCCIL shall have the right to take custody of all properties and equipment and dispose it as it deems fit.

### 1.23 Infringement of patents

The O & M Contractor is forbidden to use any patents or registered drawings, process or pattern in fulfilling his contract without the previous consent in writing of the owner of such patent, drawing, pattern or trademark, except where these are specified by the DFCCIL. Royalties where payable for the use of such patented processes, registered drawings of patterns shall be borne exclusively by the Contractor. The O & M Contractor shall advise the DFCCIL of any proprietary right that may exist on such processed drawings or patterns which he may use of his own accord.

### 1.24 Safety Measures

- 1.24.1 The O & M contractor shall take all precautionary measures in order to ensure the protection of his own personnel moving around or working in the DFCCIL premises, but shall then conform to the rules and regulations of the DFCCIL if and when, in the course of the work there is likely to be any danger to persons in the employment of the contractor due to running traffic while working in the DFCCIL siding and premises (i.e. all situations except during the actual working under block), the contractor shall provide flagman or look out men for protection of such persons. The DFCCIL shall remain indemnified by the contractor in the event of any accident occurring in the normal course of work, arising out of the failure of contractor or his men to exercise reasonable precaution at all places of work. All the works under the contract shall be carried out under the supervision of competent DFCCIL supervisor/staff. The format of the Competency certificate of Safety provisions is enclosed as **Annexure-VI**.
- 1.24.2 The contractor shall abide by all DFCCIL regulations in force for the time being and ensure that the same are followed by his representatives or subcontractors or workmen. He shall give due notice to his employees and workers about provision of this para.
- 1.24.3 Detailed safety measures to be adhered are mentioned in the **Annexure-IV**.
- 1.24.4 It may also be noted that works must be carried out most carefully without any infringement of the Indian Railway Act or the General and Subsidiary Rules in force on the Railway/DFCCIL, in such a way that they do not hinder Railway/DFCCIL operation or affect the proper functioning of or damage any Railway/DFCCIL equipment, structure or rolling stock except as agreed to by the employer.

## 1.25 Change in law

- 1.25.1 "The contract price shall be adjusted to take account of any increase and decrease in cost after the bid submission date resulting from:
- A change in the law of the Government of India (including the introduction of new laws and the repeal or modification of existing laws): or
  - In the Judicial or official government interpretation of such laws, or
  - The commencement of any Indian law which has not entered into effect until the bid submission date; or
  - Any change in the rates of any of the taxes or introduction of new taxes, duties, levies, cess etc. on supply of materials and services that have a direct effect on the works.

Which affects the contractor in the performance of obligation under the contract.

- 1.25.2 Further if as a result of change in law as stated in clause No. 1.25.1 above, interpretation, or rates of taxes, the contractor benefits from any reduction in the cost for the execution of this contract, save and except as expressly provided for this sub-clause or in accordance with the provisions of this contract, the contractor shall, within 28 days from the date he becomes reasonably aware of such reduction in the cost, notify the employer of such reduction in cost."

## 1.26 Expenses during shifting of machine

- 1.26.1 In case contractor is shifting RGM formation/RIV for POH, all transit expenses are to be borne by DFCCIL including cost of HSD. The time taken for shifting of RGM Formation/RIV POH on DFCCIL network will be considered as free time. In case DFCCIL is shifting machine from one section to another section of DFCCIL, all transit expenses are to be borne by DFCCIL. The days taken for shifting machines will be considered as

availability for the purpose of counting 22 days.

## **1.27 Warrantee / Defect Liability Period**

- 1.27.1 The O & M Contractor shall warranty that all the spares supplied under this contract shall be free from all defects and faults in material, workmanship and manufacture and shall be of acceptable standards / specifications for the contracted work and in full conformity with the technical specifications, and other contract stipulations, for a period of 6 months from the date of providing the component in machine, whichever is earlier. The warranty excludes normal wear and tear, rubber parts.
- 1.27.2 During the period of warranty falling in the contract period the O & M Contractor shall keep available an experienced engineer / manpower to attend to any defective spares supplied by the Contractor. The contractor shall bear the cost of modifications, additions or substitutions that may be considered necessary due to faulty materials or workmanship for the satisfactory working of the equipment. The final decision shall rest with the Engineer his successor(s)/Nominee.
- 1.27.3 During the period of Warranty the Contractor shall be liable for the replacement of any part at site, of any parts supplied by the Contractor which may be found defective of his own manufacture or those of his sub-contractor / supplier whether arising from faulty materials, workmanship or negligence in any manner on the part of the Contractor provided always that such defective parts as are not repairable at site are promptly returned to the Contractor if so required by him at his (Contractor's) own expenses. In case of parts of executed work detected faulty/not as per specifications during guarantee period, contractor should replace all such items irrespective of the fact whether all such items have failed or not. The Contractor shall bear the cost of repairs carried out on his behalf by the Employer at site. In such a case, the contractor shall be informed in advance of the works proposed to be carried out by the Employer.
- 1.27.4 If it becomes necessary for the Contractor to replace or renew any defective portion/part/spare until the expiration of six month from the date of such replacement or renewal or until the end of the above-mentioned period whichever is later. Such an extension shall not apply in case of defects of a minor nature, the decision of the Chief General Manager / General Manager /CPM or his successor/nominee being final in the matter. If any defect is not remedy within a reasonable time during the aforesaid period the Employer may proceed to do work at the Contractor's risk and expense, but without prejudice to any other rights and remedies which the Employer may have against the Contractor in respect of such defects or faults.
- 1.27.5 The repaired or renewed parts/spares shall be delivered / supplied and erected/ executed on site free of charge by the contractor.

## **1.28 Payment**

Payment will be governed by the terms specified in RFP and in accordance with the accepted schedule of prices (**Form 3 of this RFP on the basis of contractor quoted bid**), read with relevant para of the other parts of the contract. The DFCCIL retains the right to withhold money due to the contractor arising out of this contract for any default of the contractor.

## **1.29 IPR Rights**

All deliverables, outputs, plans, drawings, specifications, designs, reports, and other documents and software submitted by the contractor under this Contract shall become and remain the property of the DFCCIL and subject to laws of copyright and must not be shared with third parties or

reproduced, whether in whole or part, without the DFCCIL's prior written consent. The O & M contractor shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the DFCCIL, together with a detailed inventory thereof. The O & M contractor may retain a copy of such documents and software but shall not use it for any commercial purpose.

### 1.30 Confidentiality

All documents, drawings, samples, data, associated correspondence or other information furnished by or on behalf of the DFCCIL to the contractor, in connection with the contract, whether such information has been furnished before, during or following completion or termination of the contract, are confidential and shall remain the property of the DFCCIL and shall not, without the prior written consent of DFCCIL neither be divulged by the O & M contractor to any third party, nor be used by him for any purpose other than the design, procurement, or other services and work required for the performance of this Contract. If advised by the DFCCIL, all copies of all such information in original shall be returned on completion of the contractor's performance and obligations under this contract.

### 1.31 Insurance

1.31.1 The contractor (a) shall take out and maintain, at its own cost (except for clause 1.31.2) but on terms and conditions approved by the DFCCIL, insurance against the risks, and for the coverage, as stipulated in the contract or any applicable law and shall provide, within 90 days of the issuance of the LOA, evidence to the DFCCIL showing that such insurance has been taken out and maintained and that the current premiums have been paid. Contractor shall be the Insuring party. DFCCIL shall be a beneficiary unless mentioned otherwise in this clause.

1.31.2 The contractor at DFCCIL cost shall provide, in the joint names of the DFCCIL and the O & M contractor, insurance cover from the start date to the date of completion of the contract for the following events which are due to the contractor's risks:

Loss including loss due to theft of or damage, including vandalism, to Machines both RGM Formation & RIV/ all Equipment, machine tools, materials including Spares – Value covering the full reinstatement cost.

1.31.3 Insurance policies and certificates for insurance shall be delivered to the DFCCIL **in original** for scrutiny and In case, as a result of DFCCIL scrutiny, the policies are adjudged to be not covering the above mentioned risks, Contractor shall be under obligation, to take additional coverage or for due modification in Insurance policy, at their own cost. All such insurance shall provide compensation payable in Indian Rupees to rectify the loss or damage incurred. Any Alterations to the terms of insurance shall not be made without the approval of the Engineer. Both parties shall comply with any conditions of the insurance policies.

1.32.1 Contractor shall be liable to pay/refund the amount collected as GST to the DFCCIL along with interest and penalties, if any imposed by the authorities, in case GST input tax credit of DFCCIL is denied/rejected by the tax authorities due to reasons mentioned below but not limited to:

a) Wrong/incorrect invoices issued by Contractor.

- b) No-filing of GST returns.
- c) Non-payment of GST collected from DFCCIL to the authorities.
- d) Any other non-compliance done by Contractor.

1.32.2 General Indemnity: Contractor hereby agrees to indemnify and hold harmless the DFCCIL from and against any and all losses, including loss on account of Input Tax Credit and all losses incurred by the DFCCIL relating to or arising out of or in connection with any actual or threatened claim, legal action, proceedings, prosecution or inquiry by or against the DFCCIL arising out, directly or indirectly, of failure by the contractor to comply with the provisions of GST and related laws, or based upon or arising from any failure by the Contractor.

1.32.3 Retention Money: Any payment liable to be paid by DFCCIL to contractor against the goods or services or both supplied by such contractor to DFCCIL shall be kept on hold in case supplier makes any non-compliance of any of the GST law provisions including non-reporting of invoices in GST returns. Such payment shall be released after proper verification of records and availability of ITC to DFCCIL as per the provisions of GST Law.

**Chapter - VII**

**O &M Provisions for Rail Grinding Machine Formation**

**A.** Maintenance Schedule of Rail Grinding Machine 72-Stone RGI-11 (Loram) Formation is as under:

S.N.	Schedule	Periodicity	Duration	Location
1.	Schedule I	Daily	08 hrs.	In the Track Machine Siding
2.	Schedule II	50 Engine hrs.	10 hrs.	-do-
3.	Schedule III	250 Engine hrs.	12 hrs.	-do-
4.	Schedule IV	1000 Engine hrs.	2 days	-do-
5.	Schedule V	3000 Engine hrs.	3 days	-do-
6.	Schedule VI	10000 Engine hrs.	20 days	In Workshop
7.	Schedule VII	20000 Engine hrs. (or 60 Months whichever is earlier)	1st POH- 60 days, 2nd POH- 75 days	In Workshop

**B.** The various inspection and maintenance items covered in various schedules of RGM Formation are as under:

**e) SCHEDULE – I (On Daliy basis)**

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz)</b>
1.1.	Inspect the engine fan and alternator belt for Wear, Cracking, Flat spots, Stretching, Foreign contaminants on the belt, Tears, Abrasion, and Any missing ribs. Replace the main engine alternator belt, if necessary.
1.2.	Visually check the fuel tank level gauge and cabling for any damage or possible failure.
1.3.	Check for fuel tank level sight gauge cracks, leakage, and clarity. Clean or replace as needed
1.4.	Check the main engine coolant level on the coolant sight gauge.
1.5.	Inspect the engine oil levels. Fill as necessary.
1.6.	Inspect the engine area for leaks, spills, fuel odors, loose components or damaged parts.
1.7.	Inspect Fire Detection System Inspection
1.8.	Walk around the machine and look for any abnormalities.
1.9.	Visually confirm that air filters are seated properly.
1.10.	Inspect the air intake piping from the filters to the engine for any damaged or loose connections.
<b>2.</b>	<b>HYDRAULIC SYSTEM</b>
2.1.	Check the fluid level in the hydraulic tank
2.2.	Inspect the hydraulic system
2.3.	Check & record maximum hydraulic oil temperature of the day during working
2.4.	Check the hydraulic system in the control car, engine room, GC1, GC2, GC3 for wear and damage
2.5.	Look for hydraulic fluid leaks near the fittings, and tighten any loose connections
2.6.	Inspect the hydraulic hoses for wear and damage.

Signature of tenderer (s)  
With seal

2.7.	Check all cylinders for leaks and wear.
2.8.	Blow out Hydraulic oil cooler fins by compressed air..
2.9.	Check & record Hydraulic oil pressure of the day's work.
<b>3.</b>	<b>MECHANICAL (Dust System, Air System, Water System etc.)</b>
3.1.	To remove the grind dust.
3.2.	Inspect the grind car cab first-aid kit.
3.3.	Grind Module/ Shift Maintenance.
3.4.	Pre-departure Fitness-to-Run Checklist
3.5.	Inspect Rail Profile Measurement Mounting Cable Connections and Humidity Level.
<b>4.0</b>	<b>PNEUMATIC: Air Compressor</b>
4.1.	Check air compressors oil level.
4.2.	Inspect the air compressor for any air or oil leaks.
4.3.	Inspect the air horn tank pressure regulator setting. The pressure should be 6.2 bar (90 psi).
4.4.	Automatic/independent brake test and Inspection
4.5.	Visually inspect all the brake shoes on both sides of the bogie. Replace the brake shoes if Worn out, cracked, missing or damaged.
4.6.	Inspect the brake system on all cars with the automatic and independent brakes released to ensure that the brake cylinder is working properly.
4.7.	Check the brake pipe. Drain moisture from Air tanks.
<b>5.</b>	<b>ELECTRICAL (System Equipment wiring and Traction motor control)</b>
5.1.	Traction motor- Inspection hoses/cables and check/ tighten/ replace if require.
5.2.	Check Hot Rail Warning Lights and Siren.
5.3.	Check all lamp lenses and reflectors for damage. Replace if necessary.
5.4.	Check traction cooler system working and coolant level is up to level.
5.5.	Inspect the Inter connection of electrical/control cables from FCC, to GC1, GC2, GC3, Water Car & Camp Coach
5.6.	Check charging of batteries and its voltage.
<b>6.</b>	<b>BOGIE AND UNDERFRAME</b>
6.1.	Clean off any dirt or oil mixed deposits not removed by the air wand.
6.2.	Check that all accessible parts of the bogie frame, traction motors, and brake components are clean and free of damage or defects
6.3.	Visually inspect the bogie frame, bolster, and supporting structure for any visible damage, cracks, and deformity.
6.4.	Visually inspect the connections to the frame or coach body for damage, cracks, loose bolt connections, cables and hoses, and side bearer pad thickness.
6.5.	Ensure all coil springs are not broken.
6.6.	Inspect all hose couplers for any damage.
6.7.	Inspect the underframe of the machine for loose, detached, corroded or damaged parts for the following areas: <ol style="list-style-type: none"> <li>1. Brake and running gear.</li> <li>2. Bogie frame, springs, and bolster (including bolster mountings).</li> <li>3. Horn guide clips.</li> <li>4. Body-to-bogie bond connections.</li> <li>5. Body-to-bogie flexible hoses. Check for kinked hoses.</li> <li>6. Battery boxes and mountings.</li> <li>7. Couplers.</li> <li>8. Hook and buffer welded joints.</li> <li>9. Stone storage box mountings.</li> <li>10. Under frame tanks and mountings.</li> <li>11. Diesel generator mountings.</li> <li>12. Grind buggies and mountings.</li> </ol>



	13. Cab mounting pads and bolts.
6.8.	Inspect the grooved tread, if one is visible.
6.9.	Inspect the wheel tread for flat spots.
6.10	Check Traction motor gear oil level, if required top up.
<b>7.</b>	<b>GRIND SYSTEM</b>
7.1.	Clean and inspect the grease fittings for wear or damage. Replace any damaged or worn fittings as necessary
7.2.	Inspect the motor top mounting bolts for tightness, damage, and wear. Replace any worn mounting bolts or tighten as necessary. The motor mounting bolts secure the grind motor to the grind module top/bottom plates.
7.3.	Inspect the grind motor grease fitting for leaks or breakage safety wires. Replace if necessary.
7.4.	Locate and inspect the derail pedal pins on the front/rear/left/ right of the buggy.
7.5.	Visually inspect the buggy up rotary limit switches.
7.6.	Inspect the grind motor bearings by free spinning.
7.7.	Look for buggy hydraulic fluid leaks near the fittings and tighten any loose connections as necessary.
7.8.	Inspect the buggy hoses for blistering, brittleness, cracks, or any fraying to the fire-sleeve.
7.9.	Check the tank temperature and sight glass
7.10.	Check the hydraulic fluid level: – Green—OK to run. – Orange—OK to run and fill after shift. – Red—stop and fill immediately.
7.11.	Tighten any fittings that are leaking. If the leak persists, replace the O-ring.
7.12.	Check Grinding stones for any broken/loose bolts, if needed replace.
<b>8.</b>	<b>DUST COLLECTION SYSTEM</b>
8.1.	Check Filter purging operation.
8.2.	Check Dust auguring after closing the work
8.3.	Check dust blower (fan) switch (ON/ OFF) & inspect complete dust collection system in each grind car
<b>9.</b>	<b>FIRE SUPPRESSION SYSTEM (WATER SYSTEM)</b>
9.1.	Check water level of water tank & reserve tank
9.2.	Check Water pump and Motors of FCC, grind Car and water wagon.
9.3.	Check tie spray and ditch spray.
9.4.	Check water leakage.
<b>10</b>	<b>Rail Profile system</b>
10.1	Clean sensor head FCC/RCC and visually inspect no damage and properly tight
10.2	Check properly all the connection and Check serviceability of RailPro
<b>11</b>	<b>Camera</b>
11.1	Verify functionality of all the camera working including DVR system
<b>12</b>	<b>MISC</b>
12.1	Inspect the Inter connection of Air, water and Draw bar from FCC, to GC1, GC2, GC3, Water Car& Camp Coach

**f) SCHEDULE – II (to be done after 50 hours of engine running and addition to Schedule-I)**

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz)</b>
1.1.	Examine all Gen Set Frame Mounting fasteners for any wear, damage, or loosening.
1.2.	Inspect elbows and ducting.
1.3.	Check dust indicators (35hrs.) & clean primary air filters of engine and generator.
<b>2.</b>	<b>MECHANICAL (Dust System, Air System, Water System etc.)</b>
2.1.	Visually inspect the drawbars for wear, damage on structures and/or paint. Replace any worn drawbars as necessary.
2.2.	Clean FCC Operator's cabin, Air compressor compartment, Traction system electrical lockers.
<b>3.</b>	<b>HYDRAULIC SYSTEM</b>
3.1.	Inspect all buggy hydraulic hoses.
3.2.	Provide the missing clamps.
<b>4.</b>	<b>PNEUMATIC. Air Compressor - Sullivan-Palatek UD-50</b>
4.1.	Inspect the air system hoses, replace components if necessary.
4.2.	Inspect the air compressor for any air or oil leaks.
4.3.	Replace the air compressor oil filter. This is scheduled for first time only (50 Hrs.). Post this the air compressor filter will be replaced every 4000 Hrs. Oil will be replaced after 4000 hrs or 6 months whichever is earlier.
4.4.	Inspect the main motor and fan electrical connections.
<b>5.</b>	<b>ELECTRICAL (System Equipment wiring and Traction motor control)</b>
5.1.	Examine each emergency light on the machine for proper function.
5.2.	Repair or replace any emergency light or timer that is found to be defective or otherwise damaged.
5.3.	Traction Motor Inspection and Cleaning. Check Traction motor cables not touching with axle. Clean Primary filters of Traction cooling blowers.
<b>6.</b>	<b>BOGIE AND UNDERFRAME</b>
6.1.	Check brake shoes for wear/damage & replace if required.
<b>7.</b>	<b>GRIND SYSTEM</b>
7.1.	Grease Module Vertical Slide Tubes and tilting pivot pin.
7.2.	Lubricate limit switches and cylinder pins.
7.3.	Adjust external spark containment blankets.
7.4.	Calibrate the Grind Module Tilt Angle.
<b>8.</b>	<b>FIRE SUPPRESSION SYSTEM (WATER SYSTEM)</b>
8.1.	Clean the Water Strainer, Tie Sprays, and Ditch Sprays.
8.2.	Check Water pump & Strainer.
8.3.	Clean Water Pump Strainer Basket.

**g) (I) SCHEDULE – III (Duration -12 Hrs) to be done after 250 hours of Engine running or one month whichever is earlier in addition to Schedule- I and II .**

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz)</b>
1.1	Inspect engine and generator mounting bolts for visual signs of loosening or damage.
1.2	Inspect the condition of the flexible wire-way conduit between the generator and the electrical enclosure.
1.3	Inspect exhaust piping for damage, loose connections, and missing or broken clamps.
1.4.	Inspect all exhaust insulation blankets for damage or excessive wear.
1.5	Inspect the pulleys. The grooves should have no sharp edges or chips.
1.6	Inspect the engine and generator platforms for any indication of fluid leakage.
1.7	Inspect all the Fuel hose and pipe connections for leaks. If defects are found, shut down and lockout the affected engine. Drain the fuel tank, if necessary, to make repairs.
1.8	Inspect the radiator fins, fans, and motors for debris or any signs of damage. Check for cracks, loose rivets, and bent or loose fan blades. Ensure the fan is tightly secure.
1.9.	Replace Fuel filter and Fuel water separator filter and Coolant water filters and Lube filter.

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1.10.	Replace Engine oil.
<b>2.</b>	<b>HYDRAULIC SYSTEM</b>
2.1.	Inspect all hoses for kinks, twists, or rubbing. Look for signs of leakage that may indicate a loose fitting.
2.2.	Check the hydraulic fluid level in the tank using the sight glass. Fill as necessary.
2.3.	Inspect the sight glass for cracks.
2.4.	Inspect for signs of leaks.
2.5.	Check the hydraulic pump discharge pressures. • Low pressure: 34.47 bar (500 psi) • High pressure: 138 bar (2,000 psi)
2.6.	Check gauges and filter restriction indicators on the hydraulic filter Assemblies. • Red = Requires Action • Yellow = Report to Supervisor or Crew Chief • Green = Requires No Action
2.7.	Check water glycol with refractor meter if needed add distil water.
<b>3.</b>	<b>PNEUMATIC. Air Compressor - Sullivan-Palatek UD-50</b>
3.1.	Air brake pipe leak test. Clean Air compressor primary filter.
3.2.	Air brake supply reservoir and air brake cylinder test
3.3.	Air main reservoir leak test
<b>4.</b>	<b>ELECTRICAL (System Equipment wiring and Traction motor control)</b>
4.1.	Visually inspect all electrical wiring and components for indications of heat damage or loose connections.
4.2.	Inspect common bus cables for wear. Ensure these are Properly tied with rubber flashing.
4.3.	Inspect inside the lockers for cleanliness. Clean as necessary.
4.4.	Inspect for visible wire harness damage, crushed electrical conduits, missing flashing that causes rubbing or pinch points, or bare wires.
4.5.	Note the location and identification numbers of any damaged components.
4.6.	Inspect each bond connection using the ohmmeter by testing the continuity between each connecting metal surface.
4.7.	Replace any damaged or missing bonds/braids/straps as necessary.
4.8.	Inspect and close the enclosure.
4.9.	Shut down all engines and start the stopwatch or timing device.
4.9.	Check that the pressurization blowers are working and there are no unusual noises.
4.10.	Inspect all lights and note any damage or malfunctions.
4.11.	Replace any defective lamps, outlets, and switches.
4.12.	Clean the pressurization air filter with air pressure. Replace the pressurization air filter. (If required)
4.13.	Traction Cooler Cleaning.
4.14.	Traction Cooler Reservoir Fluid Check and Fill.
<b>5.</b>	<b>BOGIE AND UNDERFRAME</b>
5.1.	Inspect the wheel for signs of spalling or shelling which has metal expelled from the tread
5.2.	Inspect the wheel for signs of tread buildup.
5.3.	Check all fasteners for tightness around the entire cooler and both fan guards. Replace any missing fasteners.
5.4.	Re-tighten any loose fasteners and replace any damage fasteners.
5.5.	Replace any cables and hoses with rub marks larger than 1 centimeter (0.40 in.).
5.6.	Inspect brake shoes and make a report of its thickness from FCC to RCC
<b>6.</b>	<b>GRIND SYSTEM</b>
6.1.	Inspect the dust hopper and blower motor areas for any accumulation of grind dust.
6.2.	Inspect dust system welds for cracks or breaks.
6.3.	Check that the ducting is properly bolted/clamped and mounting brackets and dampeners are in good condition.
6.4.	Inspect for excessive vibration while the dust blower motors are running.
6.5.	Inspect filter doors for proper sealing. Clean Filters every Month
6.6.	Grind Module Tilt Calibration

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6.7.	Grease the grind motors in 180 Grind hour or 6 Months whichever is earlier
6.8.	Ideal Amp calibration
6.9.	Module sequencing check
6.10	Check sequence camera set up
<b>7.</b>	<b>DUST SYSTEM</b>
7.1	Clean dust filters and check dust collection system
<b>8</b>	<b>Rail Profile system</b>
8.1	Clean Computer and ECU filter
8.2	Inspect and verify KLD system. Calibrate KLD. Check Desiccant plug humidity level of sensor head
8.3	Data backup of Rail Pro computer and HMI
<b>9</b>	<b>Electrical locker, PLC Rack and Terminal box</b>
9.1	Tight all the connection and check no alarm on PLC
9.2	Blow down with low air pressure and clean PLC Rack filter
<b>10</b>	<b>Water Car</b>
10.1	Clean Water Pump Strainer
10.2	Check all the nut bolt tight
<b>11</b>	<b>Camp coach</b>
11.1	Internal cleaning
11.2	All AC filter cleaning
11.3	Inspect and check all the under-frame nut and bolt tight

**(II) To be done after 500 hours of engine running in addition to above schedule -II**

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz) &amp; Generator</b>
1.1.	Replace all primary & Secondary air filters of engine, write installation date on filter and record in maintenance log. (Secondary in 3 months and Primary in 6 Months)
1.2.	Replace all primary & Secondary air filters of Generator, write installation date on filter and record in maintenance log. (750 hrs. of Engine running).
1.3.	Grease Generator Bearing. (Every six Months)
<b>2.</b>	<b>PNEUMATIC. Air Compressor - Sullivan-Palatek UD-50</b>
2.1.	Inspect the air compressor air filter.
2.2.	Replace air filters 1000 comp. Hrs.
<b>3.</b>	<b>MACHINE</b>
3.1.	Grease articulated joints and draw bars.
3.2.	Inspect wheel flange from FCC to Camp Coach and maintain a record of same.
<b>4.</b>	<b>MECHANICAL (Dust System, Air System, Water System etc.)</b>
4.1.	Grease water pump motors. (Every six Months)
<b>5.</b>	<b>DUST COLLECTION SYSTEM</b>
5.1	Grease anti-friction bearings. (Every six Months)
<b>6</b>	<b>Rail Profile system</b>
6.1.	Verify serviceability both KLD (FCC/RCC)
<b>Camp Car 50 KVA: (To Be Done 600 ERH or 12 Months whichever is earlier) Duration: 8 Hrs.</b>	
<b>1.</b>	<b>GENSET ENGINE (CPCB-II H4 series) – Camp Car.</b>
1.1.	Replace the Fuel Filter Cum Water Separator. (FF CUM WATER SEPERATOR BS IL ENG).
1.2.	Replace the Lube Oil Filter (LUBE FILTER / SPIN ON OIL FILTER 40K).

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- h) **SCHEDULE – IV** (Duration – 2 Days) to be done after 1000 hours of Engine running or 4 months whichever is earlier in addition to Schedule- I,II and III.

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz)</b>
<b>2.</b>	
1.1.	#Remove and replace the main engine air intake filters. Main Engine Coolant Filters Replacement.
1.2.	Engine E-stop Inspection
1.3.	Machine E-stop Inspection
1.4.	Check / Change worn out water hoses on condition basis.
1.5.	Check / Change bearings and shaft of radiator fan drive on condition basis.
1.6.	Check RPM of engine radiator fan.
	<b>GENSET ENGINE (CPCB-II H4 series) – Camp Car.</b>
1.7.	Replace the primary element on 1000 hrs. or as soon as vacuum indicator shows “RED”.
1.8.	Replace the air cleaner whenever vacuum indicator shows red or 1000 hrs. Whichever is earlier.
1.9.	Replace the secondary element at the time of every third replacement of the primary filter element or after 2 Years of duration whichever is earlier. – 2000 Hrs.
<b>3.</b>	<b>MECHANICAL (Dust System, Air System, Water System etc.)</b>
2.1.	Dust Collector Purge Solenoid Test
2.2.	Water Pump Strainer Inspection
2.3.	Water Tank Strainer Inspection
2.4.	To remove and replace the RPMS desiccant plugs. (Typically, 1000+ hours depending on environment humidity)
<b>4.</b>	<b>HYDRAULIC</b>
3.1.	Hydraulic Accumulator Inspection and Charge
3.2.	Hydraulic Motor Lubrication and Grease motor every six Month
3.3.	Hydraulic Reservoir Sensor Inspection
<b>4.</b>	<b>PNEUMATIC. Air Compressor - Sullivan-Palatek UD-50</b>
4.1.	Replace compressor lubricant filter
4.2.	Inspect compressor filter, fan and pulley.
4.3.	Replace coalescing filter.
4.4.	**Replace the air separator elements
<b>5.</b>	<b>ELECTRICAL (System Equipment wiring and Traction motor control)</b>
5.1.	Replace primary and secondary air filters. Write installation date on filter and record in maintenance log.
<b>6.</b>	<b>BOGIE AND UNDERFRAME</b>
6.1.	Draft Gear Inspection.
6.2.	Drawbar Inspection and Maintenance.
6.3.	Wheel set/Gearbox inspection and Sanding Equipment inspection (180 days)
6.4.	Replace traction motor gear Oil 80W90 in Every six month/1000h whichever is earlier
<b>7.</b>	<b>GRIND SYSTEM</b>
7.1.	Grind Module Limited Motion Testing
7.2.	Grind Module Tilt Cylinder Feedback Test
7.3.	Grease grind motor at 180 Grind hours or every 6 month whichever is earlier.
<b>8.</b>	<b>DUST COLLECTION SYSTEM</b>
8.1.	Replace Dust flame retardant. (if required).
8.2.	Replace auger gearbox oil.

# For Primary filter the replacement duration is 6 months and for secondary filter the replacement time is 3 months.

\*\* Recommended to be changed in 2000 Hrs. based on the condition.

- i) **SCHEDULE – V** (Duration -4 Days) to be done after 3000 hours of Engine running or 12 months whichever is earlier in addition to Schedule- I , II, III and IV.

<b>S.N.</b>	<b>DESCRIPTION</b>
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz)</b>
1.1	Clean the engine cooling system.
1.2	Remove and replace the generator air filter assembly.
1.3	Main Engine Coolant Test
1.4	Main Generator Insulation Test
1.5	Inspect all mounting brackets for cracks or damaged bolt holes.
<b>2.</b>	<b>MECHANICAL (Dust System, Air System, Water System etc.)</b>
2.1.	Clean the dust fan wheel and housing.
2.2.	Clean the dust housing baffle, inlet plenum, and frame interior.
2.3.	Clean a ditch sprayer
2.4.	To remove and replace the RPMS desiccant plugs. Typically, 1000+ hours depending on environment humidity.
2.5.	Inspect the hose reel
2.6.	Test the tie sprayer nozzles
2.7.	Remove and clean/replace a faulty tie spray nozzle.
2.8.	Calibrate the encoder.
2.9.	Speedometer Calibration Test
2.10.	Water Pump Motor Lubrication
2.11.	Grease dust blower (fan) motor and shaft.
2.12.	Dust Collector Purge Solenoid Test.
<b>3.</b>	<b>HYDRAULIC</b>
3.1	Hydraulic Fluid Sampling and Testing
3.2	Hydraulic Power Unit Pressure Filter Replacement
3.3	Hydraulic System Breather Filter Inspection and Replacement
3.4	Hydraulic System Return Filter Replacement
<b>4.</b>	<b>PNEUMATIC. Air Compressor - Sullivan-Palatek UD-50</b>
4.1.	Inspect and clean the air compressor cooler.
4.2.	Air brake pipe leak test
4.3.	Air brake supply reservoir and air brake cylinder test
4.4.	Air main reservoir leak test
4.5.	Air Intake filter replacement
4.6.	Clean the oil return line
4.7.	Collect oil sample and submit for analysis
4.8.	Check expiry date of Fire Extinguisher.
4.9.	Replace the compressor desiccant dryer cartridges. (Once in Year)
4.10.	Replace the compressor desiccant dryer purge valves. (Once in Year)
4.11.	Replace the inlet check valve. (Once in Year)
4.12.	Replace the intake valve. (Once in Year)
<b>6.</b>	<b>ELECTRICAL (System Equipment wiring and Traction motor control)</b>
5.1.	Traction Motor Gear Lubrication.
5.2.	Remove and replace the pressurization air filter.
5.3.	Traction Motors blower filter (replace Primary and secondary).
5.4.	Traction Enclosure Maintenance – 3000 Hours
<b>7.</b>	<b>BOGIE AND UNDERFRAME</b>
6.1	Grease the bearings at each end of the dust augers.
<b>8.</b>	<b>GRIND SYSTEM</b>
7.1.	Replace any hoses, if needed.
7.2.	Buggy Float Circuit Testing

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7.3.	Grease the grind motor.
7.4.	Dust collector filter replacement.
7.5	Grind Motor Idle AMP Calibration.
<b>8.</b>	<b>DUST COLLECTION SYSTEM</b>
8.1.	Grease dust blower (fan) motor and shaft.

j) **SCHEDULE – VI** (Duration -20 Days to be done after 10000 hours of Engine running or 30 months whichever is earlier in addition to Schedule- I, II, III, IV and IV .

<b>S.N.</b>	<b>DESCRIPTION</b>
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz)</b>
1.1.	Main Generator Lubrication
1.2.	Overhaul the injectors. (If required)
1.3.	Check the RPM of Engine radiator fan, if found less than the rated RPM, take corrective measures.
1.4.	Checks cooling system. It must be clean to work correctly and to eliminate buildup of harmful chemicals. Flush out the radiator. Replace coolant.
<b>2.</b>	<b>BOGIE AND UNDERFRAME</b>
2.1.	Complete inspection of the undercarriage including all wheels, axles, and bogies.
2.2.	Turning of wheels/ replacement of wheels as per requirement based on local inspection of the equipment
<b>3.</b>	<b>GRIND SYSTEM</b>
3.1.	Replacement of Grind Buggy wheels.
3.2.	Replace hoses of all module and Grind Buggy. (On condition base)
3.3.	Replace all lower module pivot bushings.
<b>4.</b>	<b>HYDRAULIC SYSTEM</b>
4.1.	Replace all hydraulic hoses on conditional basis.
4.2.	Replace the Hydraulic fluid in each GC and flush the complete system.
<b>5.</b>	<b>ELECTRICAL (System Equipment wiring and Traction motor control)</b>
5.1.	Change batteries on condition basis.
5.2	Traction Enclosure Maintenance - 3,000 Hours
<b>6</b>	<b>PNEUMATIC. Air Compressor - Sullivan-Palatek UD-50</b>
6.1	Replace the air separator elements.
6.2	Replace the compressor desiccant dryer cartridges. (Once in Year)
6.3	Replace the compressor desiccant dryer purge valves. (Once in Year)
6.4	Replace the inlet check valve (Once in Year)

- k) **SCHEDULE – VII [POH]** (Duration -60 Day s( 1<sup>st</sup> POH) and 75 Days ( 2<sup>nd</sup> POH) to be done after 20,000 hours of Engine running or 60 months whichever is earlier in addition to Schedule- I, II, III, IV, V and VI.

<b>S.N.</b>	<b>DESCRIPTION</b>
<b>1.</b>	<b>ENGINE (Cummins QST30 G5 NR2, 900 KW, 480VAC/60 Hz)</b>
1.1.	Overhaul or replace the engine.
1.2.	Overhaul the fuel injection pump.
1.3.	Change engine mounting pads.
1.4.	Change water hoses.
1.5.	Change engine air cleaner elements.
1.6.	Change all engine filters along with lube oil
1.7.	Clean the diesel tank.
1.8.	Check for coolant leaks.
1.9.	Test function of thermostat. Check the thermostat for wear or damage. If the barrel of the thermostat is worn-out or fretted, it must be discarded.
1.10.	Check the thermostat for wear or damage. If the barrel of the thermostat is worn-out or fretted, it must be discarded.
1.11.	Check serviceability of radiator. Replace the engine radiator if clogged due to scaling
1.12.	Check water pump, replace it if required.
1.13.	Inspect turbo charger function. (Look for damaged or cracked compressor or turbine blades)
1.14.	Check the vibration damper for evidence of fluid loss, dents and wobbles etc.
<b>2.</b>	<b>MECHANICAL (Air System, Water System etc.)</b>
2.1.	Replace water separator and air oiler. Condition basis.
2.2.	Change all pneumatic hoses.
2.3.	Change all pneumatic valves.
2.4.	Overhaul/ Change all pneumatic cylinders on condition basis.
2.5.	Change brake cylinders on condition basis.
2.6.	Change all the brake shoes.
2.7.	Replace cooling coil.
2.8.	Replace air unloader.
2.9.	Clean and test air tanks.
2.10.	Clean out rust, corrosion and de-scale from water tanks and plumbing circuit.
2.11.	Replace/ overhaul water pump and motors.
2.12.	Change water hoses.
2.13.	Overhaul/ service of optical Rail Profile Measuring system/ KLD.
<b>3.</b>	<b>PNEUMATIC. Air Compressor - Sullivan-Palatek UD-50</b>
3.1.	Change the compressor lubricant
<b>4.</b>	<b>ELECTRICAL (System Equipment wiring and Traction motor control)</b>
4.1.	Traction Enclosure Maintenance - 6,000 Hours
4.2.	Traction Enclosure Maintenance - 12,000 Hours
4.3.	Replace or repair the defective PCBs. Condition basis.
4.4.	Replace the limit switches. Condition basis
4.5.	Overhaul the panel boxes.
4.6.	Defective switches and indicative lights may be replaced.
4.7.	Check the LED of all the solenoids & replace if required
4.8.	Check the calibration of digital potentiometers and replace the defective ones.
4.9.	Reconditioning/ replace batteries.
4.10.	Complete inspection of the traction system and traction motor / replace if needed.
<b>5.</b>	<b>BOGIE AND UNDERFRAME</b>
5.1.	Bogie Inspection – 6 Year (Ganz).
<b>6.</b>	<b>GRIND SYSTEM</b>
6.1.	Replace buggy wheels including bearings and shaft.
6.2.	Replace all module guide tube/rod.



6.3.	Check complete buggy frame and repair/ strengthen as required.
6.4.	Replace all bearings and bushes of tilt cylinders and module.
6.5.	Calibrate all modules.
6.6.	Overhaul / Replace the buggies, wheels & feeler rollers
6.7.	Replace grind motors based on condition
7.	<b>HYDRAULIC SYSTEM</b>
7.1.	Change all Hydraulic pumps and motors on need basis
7.2.	Replace/overhaul all Hydraulic cylinders on condition basis
7.3.	Clean the Hydraulic tank, inside to be painted with approved quality of paint.
7.4.	Fill new oil after replacing return line and suction filters
7.5.	Clean Hydraulic oil cooler. If it is blocked more than 20% during service or badly Leaking, then replace it.
7.6.	Inspect the Hydraulic Manifold and Change all the valves on conditional basis.
7.7.	Change all 'O' rings and oil seals.
8	<b>Misc</b>
8.1	Paint the complete machine if required based on the ground condition
8.2	Replace the camp coach amenities.

**C. List of Safety Equipment's to be kept on RGM Formation is as under:**

S. No.	Description	Quantity
1.	Detonators in a tin case	1 box
2.	H.S. flag red	2 nos.
3.	H.S. flag green	1 nos.
4.	H.S. Tri colour lamps	2 nos.
5.	Chain & Padlock	1 set.
6.	Clamp with Padlock	2 nos.
7.	Jack 20 T capacity with traverse.	1 no*.
8.	Crow bars	4 nos.
9.	Wooden blocks off sizes	8 nos.
10.	Gauge cum level	1 no.
11.	Banner flag	2 nos.
12.	Portable Control Phone	1 no
13.	Walkie Talkie	1 set
14.	First Aid Box	1 no each cabin
15.	Skids	2 nos.
16.	Working time table of section where machine working	1 copy
17.	G&SR book with up-to-date amendment slips	1 copy
18.	4 cell flasher light	1 no.
19.	Petromax /LPG lamps	1 no.
20.	Safety helmets	For each Machine staff
21.	Protective clothing, safety shoes and safety gloves	Foreach Machine staff
22.	Track Machine Manual	1 no.
23.	Accident Manual	1 no.
24.	Fire extinguisher	1 no each cabin
25.	Hydraulic Hand Pump	1 no.
26.	Emergency pneumatic/Hydraulic hose of sizes suiting to different machines (complete with end fittings)	1 no.
27.	Fire extinguishing blanket	2 Nos

**Chapter - VIII**

**O &M Provisions for Rail Inspection Vehicle**

A. Maintenance Schedule of Rail Inspection Vehicle (RIV) is as under:

S.N.	Schedule	Periodicity	Duration	Location
1.	Schedule I	Daily/ before working & running	08 hours	In the track Machine Siding
2.	Schedule II	50 Engine hrs.	10 hours.	-do-
3.	Schedule III	250 Engine hrs.	12 hours.	-do-
4.	Schedule IV	1500 Engine hrs.	2 days	-do-
5.	Schedule V	3000 Engine hrs.	4 days	-do-
6.	Schedule VI	6000 Engine hrs.	20 days	In Workshop
7.	Schedule VII	30000 Engine hrs. or 8 years which even is early	1st POH- 60 days, 2nd POH- 75 days	In Workshop

B. The various inspection and maintenance items covered in various schedules of RIV are as under:

a) **SCHEDULE – I (On Daily basis)**

S.N.	DESCRIPTION
1.	<b>ENGINE (Cummins QSN 14R, 400 HP @ 2100 RPM)/</b>
1.1.	Check visually all equipment for visible defects, loose bolt & nuts, leakages, missing parts etc. Clean the exterior.
1.2.	Walk around the machine and look for any abnormalities.
1.3.	Complete Engine Inspection (Mountings, Belts & Harness)
1.4.	Check for smooth running of engine. If any unusual noise is observed, investigate thoroughly and rectify
1.5.	Check for leakage (Engine, Transmission, Hydraulic, Gear box).
1.6.	Check main engine oil level.
1.7.	Check main engine coolant level and top up if required.
1.8.	Check oil temperatures (Engine Oil & Coolant)
1.9.	Check fuel, cooling water and air system for leakage and rectify if necessary
1.10.	Check operator's report and take appropriate action to correct any problem notified.
1.11.	Clean radiator air passage by blowing compressed air / water (only at shed to avoid high voltage overhead line hazard). Check air cleaner restriction clean/ change air cleaner element if required.
1.12.	Check flexible coupling fasteners for tightness.
1.13.	Check visually all parts in torque arm for visible defects, damages, fasteners, linkages, missing parts etc.
1.14.	Check the working of the Alternator.
1.15.	Check the lube oil pressure and record. If the pressure at low idle speed is less than 0.7kg/cm <sup>2</sup> , or at no load full speed out of range 2.4 - 3.1kg/cm <sup>2</sup> stop the engine. Check & top up lube oil if required.
1.16.	Check main fuel tank level. Fill the fuel tank as required and record quantity added.
1.17.	Check for leakages from fuel tank/fuel lines and take corrective action if required.

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1.18.	Brake Inspection & Brake Test
1.19.	Check Lead and Trail Function.
1.20.	Run water raising apparatus to top up radiator.
1.21.	Clean radiator air passage by blowing compressed air / water (only at shed to avoid high voltage overhead line hazard).
<b>2.</b>	<b>MECHNICAL</b>
2.1	Clean and check the exterior of transmission system.
<b>3.</b>	<b>HYDRAULIC SYSTEM</b>
3.1.	Check oil level levelling the hydraulic tank & top up if necessary.
3.2.	Check actual level the hydraulic oil level and temperature of the day during working. Top up the oil if required. The oil temp should be below 70C°.
3.3.	Check the restriction indicator of the Return line filter.
3.4.	Check the Gauge & instrument operations.
<b>4.</b>	<b>FINAL DRIVE</b>
4.1.	Check torque converter / transmission oil cooler & pipelines for visual defects & leakages. Rectify if necessary.
4.2.	Check the TC oil control pressure and record. If the pressure at low idle speed is out of range 8.5 - 10.5kg/cm <sup>2</sup> , stop the engine. Check & top up oil if required. Carry out the check again.
4.3.	Check gear oil level
4.4.	Check oil temperatures (Transmission)
4.5.	Check Cardan Shaft / Final Drive for any visual damage.
4.6.	Check flexible coupling fasteners for tightness.
4.7.	Check transmission-mounting fasteners for tightness.
<b>5.</b>	<b>PNEUMATIC</b>
5.1.	Inspect the air compressor for any air or oil leaks.
5.2.	Pressure of main reservoir is between 6.0 -7.0 kg/cm <sup>2</sup> . Inspect the air horn tank pressure regulator setting.
5.3.	Safety valves blow at 7.8 kg / cm <sup>2</sup> . Check automatic / independent brake application system.
5.4.	Check all air pressure setting as per operation manual (BP, MR, BC & FP) and perform the brake test. Main reservoir pressure 6.8 Kg./ sq.cm to 7.5 kg/ sqcm, brake pipe pressure 5 kg/sqcm, brake cylinder pressure 2.5 kg/sqcm to 3 kg/ sqcm.)
5.5.	Unloader comes into action at about 7.0 to 7.2kg / cm <sup>2</sup> , switches the compressor to decompression mode (no compressor output) & releases the unloading action at 6.8 - 7 kg / cm <sup>2</sup> connecting the compressor in normal mode (compressor output available). <u>Visually</u> inspect all types of brake shoes on both sides of the bogie. Replace the brake shoes if any worn, cracked, missing or damaged.
5.6.	Check for Horns both the travel Horn and working horn
5.7.	Check all driver's pneumatic operating valves.
<b>6.</b>	<b>30KVA DG SET</b>
6.1.	Check 30 KVA DG fuel level
6.2.	Check 30 KVA DG engine oil level
6.3.	Check 30 KVA DG coolant level
6.4.	Check for leakage in 30 KVA DG. Check the Alternator fan belt and Air cleaner. Verify it's not choked.
6.5.	Check all parameters of 30 KVA DG (Temperature, Pressure, Voltage & RPM)
<b>7.</b>	<b>ELECTRICAL</b>
7.1.	Check charging of batteries and its voltage.
7.2.	Check all lamp lenses and reflectors for damage. Replace if necessary.
7.3.	Check lighting system (head lights, tail, working lights & flasher light).

<b>8.</b>	<b>BOGIE AND UNDERFRAME</b>
8.1.	Visually examine center pivot mounting bolts and tighten/replace if needed.
8.2.	Visually examine the shock absorbers for damages.
8.3.	Visually inspect center pivot cover.
8.4.	Visually examine and attend safety loops of bolster.
<b>9.</b>	<b>BRAKE RIGGING &amp; BRAKE SYSTEM</b>
9.1.	Check and attend brake shoe thickness and key & replace if necessary.
9.2.	Visually inspect brake hangers, brake gear pins and cotters / split pins and replace if necessary.
9.3.	Bogie Frame & Suspension
9.4.	Visually inspect examine the condition of bogie frame, bolster, and supporting structure for any visible damage, cracks, and deformity and check welded locations.
<b>10.</b>	<b>Buffing Gear</b>
10.1.	Visually examine buffer plungers for damages / dropping/stroke length.
10.2.	Examine buffer mounting bolts and attend if necessary.
10.3.	Examine visually buffer casing for cracks/ damages & height.
<b>11.</b>	<b>Running gear and Wheels</b>
11.1.	Visually inspect axle box covers for any damage/leakage.
11.2.	Visually inspect the connections to the frame or coach body for damage, cracks, loose bolt connections, cables and hoses, and side bearer pad thickness.
11.3.	Check Air suspension working
11.4.	Inspect all hose couplers for any damage.
11.5.	Inspect the grooved tread, if one is visible.
11.6.	Inspect the wheel tread for flat spots.
<b>12.</b>	<b>RAILSCOPE AND RAIL PRO</b>
12.1.	Inspect RPMS & Rail Scope mounting bolts and verify that both are working fine.
12.2.	Ensure the glass cover of KLD and Rail Scope is clean

b) **SCHEDULE – II** (Duration -10 Hrs) to be done after 50 hours of Engine running in addition to Schedule- I.

<b>S.N.</b>	<b>DESCRIPTION</b>
<b>1.</b>	<b>ENGINE (Cummins QSN 14R, 400 HP @ 2100 RPM)</b>
1.1.	Check engine intake air cleaner.
1.2.	Check piping hoses and clamps.
1.3.	Check air inlet restriction indicator.
1.4.	Clean / change air cleaner element.
1.5.	Check all battery terminals.
1.6.	Inspect elbows and ducting.
1.7.	Inspect engine mounting bolt for visual signs of loosening or damage.
1.8.	Inspect exhaust piping for damage, loose connection & missing or broken clamps.
1.9.	Inspect all exhaust insulation blankets for damage or excessive wear.
1.10.	Inspect the pulleys. The grooves should have no sharp edges or chips.
1.11.	Inspect the engine platforms for any indication of fluid leakage.
1.12.	Inspect all the fuel hoses & pipe connection for leak.
1.13.	Inspect the radiator fins, fans and motor for debris or any sign of damage.
<b>2.</b>	<b>MECHANICAL</b>
2.2.	Check exterior for oil leakage.

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2.3	Check oil level and top up with correct grade oil up to high mark.
2.4	Check wheels for any flat surfaces.
2.5	Check torque arm pins and locking.
2.6	Lubricate torque arm pins
2.7	Check the inlet and outlet port connections of transmission gear box.
2.8	Check the gear box hoses for any leakages.
2.9	Check all gear box oil level and top up if required.
2.10	Inspect cardan shaft.
2.11	Clean and grease cardan shaft UJ and slip joint.
<b>3.</b>	<b>PNEUMATIC</b>
3.1.	Inspect the air system hoses.
3.2.	Air brake pipe leak test.
3.3.	Air brake supply reservoir and air brake cylinder test.
3.4.	Air main reservoir leak test.
<b>4.</b>	<b>30KVA DG SET</b>
4.1.	General examination
4.2.	Check oil level in the diesel generator sets.
4.3.	Check cleanliness of diesel generator sets.
4.4.	Check for any type of leakage.
4.5.	Check all filter condition.
4.6.	Check coolant level.
4.7.	Check the condition v-belts.
<b>5.</b>	<b>ELECTRICALS</b>
5.1.	Check function of all power meters before shutdown.
5.2.	Check function of lamps and indicators.
5.3.	Inspect locking devices for signs damage or worn.
5.4.	Inspect control wiring, relays, power supply units, timers, etc. where applicable.
5.5.	Verify control circuit fuse rating and continuity.
5.6.	Visual inspection for signs of overheating or deterioration.
5.7.	Inspection of all panels for paint work damage and signs of corrosion
5.8.	Check all battery terminals. Remove, clean and reinstall as necessary.
5.9.	Check electrolyte level, specific gravity of battery & record. Clean & tighten battery terminals & leads.
5.10	Inspect & clean alternator of engine & tighten electrical connection.
<b>6.</b>	<b>TRANSFORMER 3KVA</b>
6.1.	Cleanliness of the transformer.
6.4.	Inspect the winding temperature.
6.5.	Load hours of the transformer
6.6.	Check the condition of the silica gel, change if required.
6.7.	Check for loose connection.
<b>7.</b>	<b>HYDRAULIC SYSTEM</b>
7.1.	Check the hydraulic fluid level in the tank using sight glass.
7.2.	Inspect all buggies hydraulic hoses for wear and damages, kinks, twists or rubbing.
7.3.	Inspect the sight glass for cracks and leakage.
7.4.	Check gauges and filter restriction indicators on the hydraulic filter assemblies.
<b>8.</b>	<b>BOGIE AND UNDERFRAME</b>
8.1	Examine trough floor, turn under and other frame members from underneath for corrosion
<b>9.</b>	<b>BRAKE RIGGING &amp; BRAKE SYSTEM</b>
9.1.	Visually examine brake beams breakage/ damages.
9.2.	Check brake cylinder and adjust so that the piston stroke is within limit.
9.3.	Examine and attend brake levers.
9.4.	Visually inspect for damage on brake pipe, replace if required.
9.5.	Check and attend brake beam safety wire rope / safety straps.
9.6.	Check and replace worn brake shoes.

9.7.	Visually check for hand brake chain rope, sprocket & floating lever and attend if needed.
9.8.	Check for cutoff angle cock and leakage, attend if needed.
9.9.	Check and attend brake block adjuster. (* to be done after every 250 hrs.)
<b>10.</b>	<b>Bogie Frame &amp; Suspension</b>
10.1.	Examine bolster safety straps/ loops for damage/ broken suspension system/ missing.
<b>11.</b>	<b>Buffing Gear</b>
11.1.	Check condition of the CBC coupling and its components and replace as required.
<b>12.</b>	<b>BOGIE AND UNDERFRAME</b>
12.1.	Inspect the wheel for signs of spalling or shelling which has metal expelled from the tread.
12.2.	Inspect the wheel for signs of thread buildup.
12.3.	Check all fasteners for tightness around the entire cooler and both fan guards. Replace any missing fasteners
12.4.	Re-tighten any loose fasteners and replace any damage fasteners
12.5.	Replace any cables and hoses with rub marks larger than 1 centimetre (0.40 in.).
<b>13.</b>	<b>TORQUE ARM</b>
13.1.	In torque arm, spring disc to be checked physically, if found damaged replace it.
13.2.	Pre-compression of spring disc to be maintained for the specified value by torque tightening the castle nut at one end of torque arm.
13.3.	Spherical joint and bushes are checked for damages.
13.4.	Cir clips and split pins if failed, replace them.

- c) **SCHEDULE – III** of Duration of 12 Hrs to be done after 250 hours of Engine running or 1 month whichever is earlier in addition to Schedule- I and II.

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QSN 14R, 400 HP @ 2100 RPM)</b>
1.1.	Remove and change the engine oil.
1.2.	Remove and replace the engine fuel/water. Change engine full flow oil separator filter.
1.4.	Remove and replace the engine oil filter.
1.5.	Check the water level collected in water separator. If it is above the red line marked on it, drain the water.
1.6.	Clean / Change the crankcase breather & Air piping. Clean the Engine primary air filters
1.7.	Inspect coolant level.
1.8.	Remove and replace the coolant inhibitor. Add coolant, if required
1.9.	Check coolant additive (DCA4) concentration. Check for water/coolant pump belts, adjust if required.
1.10.	Clean the battery and prevent collection of dirt, corrosion, and oil.
1.11.	Keep all connections in the battery circuit properly secured & clean.
1.12.	Ensure that vent plugs are clean.
1.13.	Charge battery from an external source, if necessary.
1.14.	Inspect the alternator belt for any wear and damage.
1.15.	Check engine speed at idle and full throttle under no load condition and record.
<b>2.</b>	<b>MECHANICAL</b>
2.1.	Check free operation of coupler lock and release arrangement.
2.2.	Check coupler back stopper bolt slackness and tighten if required.
2.3.	Check all joint bolts for any slackness.
2.4.	Inspect gear from inspection cover.
<b>3.</b>	<b>HYDRAULIC SYSTEM</b>
3.1.	Check oil sample for its contamination limits/ properties and if found above limits specified, clean the oil with filtration trolley. Verify hydraulic pump pressure
3.2.	Check Inspect all hoses for kinks, twists or rubbing. Look for signs joints for any of leakage that may indicate a loose fitting.
3.3.	Inspect the fuel filters for leakages.
3.4.	Inspect for signs of leakage in hydraulic system

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3.5.	Drain 50ml oil and check for metal particles indicating any abnormal wear.
3.6.	First hydraulic oil change. (* Initial oil change at 250 Hours. Thereafter every 3000 hours .)
3.7.	Check the contamination level of hydraulic oil and clean or replace as required. In case of higher contamination levels, the oil needs to be cleaned or changed as necessary.
3.8.	Check the mixing of water in hydraulic oil by checking presence of cloudiness. Investigate reason for ingress of water into oil, rectify & replace with fresh oil.
<b>4.</b>	<b>FINAL DRIVE</b>
4.1.	Clean final Drive breather element and change if necessary.
4.2.	Check and Replace filter element if required, gasket and sealing rings of the filter body.
4.3.	Tighten all external fasteners including those of connected cardan shaft, if there is any excessive loosening, carry out investigation and rectify
4.4.	Check oil sample for any impurities / contamination / ingress of water. Change the oil if required.
<b>5.</b>	<b>PNEUMATIC</b>
5.1.	Check compressed air governor, for its function. Adjust if necessary. The compressor unloader should cut in about 7 to 7.2 kg/sq. cm and cut out at 6.8 to 7 kg /sq. cm
5.2.	Check operation of all valves, cocks for leakages (fill the air reservoirs, prior to carrying out check)
5.3.	Brake shoe inspection and maintain a record of thickness.
<b>6.</b>	<b>ELECTRICAL</b>
6.1.	Visually inspect all electrical wiring and components for indications of heat damage or loose connections.
6.2.	Replace any damaged or missing bonds/braids/straps as necessary.
6.3.	<b>Bogie Frame &amp; Suspension</b>
6.4.	Examine corrosion of under frame members with torch light or inspection lamp.
6.5.	Examine condition of wearing plates.
6.6.	Visually examine the cabin and axle support cylinders for leakages/ damages.
<b>7.</b>	<b>Draw Gear</b>
7.1.	Ensure that wear on screw coupling shackle pins, trunnion pins, shackle /link holes and draw hook holes should not exceed.
7.2.	<b>Buffing Gear</b>
7.3.	Examine visually buffer casing for cracks/ damages
7.4.	<b>Running gear and Wheels</b>
7.5.	Visually examine wheel profile and thickness of tyre wheel and check with wheel profile gauge if they appear to be near condemning limit.
<b>8.</b>	<b>30KVA DG SET</b>
8.1.	General examination.
8.2.	Initial oil Change and thereafter oil change to be done at 3000 hours.
8.3.	Change oil filter, fuel filter, and bypass filter when oil change takes place.
8.4.	Radiator cleaning with chemical. Clean Primary filter. Replace if required
<b>9.</b>	<b>TRANSFORMERS 3KVA</b>
9.2.	Check the condition of the silica gel, change if required.
9.3.	Check vent pipes for cracks.
9.4.	Check for loose connection. Check earthing.
<b>10.</b>	<b>RAILSCOPE AND RAIL PRO</b>
10.1.	Inspect and verify KLD system. Carryout KLD Calibration Check Desiccant plug humidity level of sensor head.
10.2.	Clean Computer and ECU Filter. Data backup for Rail Pro.
10.3.	Check cables and connectors for RailPro and Rail scope.
<b>11</b>	<b>Misc</b>
11.1	Check fans and Air condenser working, clean AC Filters. Monthly internal cleaning.

- d) **SCHEDULE – IV** (Duration -2 Days) to be done after 1,000 hours of Engine running or 4 months whichever is earlier in addition to Schedule- I, II and III.

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QSN 14R, 400 HP @ 2100 RPM)</b>
1.1.	Inspect the following assemblies for any damages/breakages/leakages – <ul style="list-style-type: none"> <li>• Turbo charger.</li> <li>• Vibration damper.</li> <li>• Air compressor (Cummins / Holset).</li> <li>• Fan hub Idler pulley assembly.</li> <li>• Water pump.</li> <li>• Clean and flush cooling system.</li> <li>• Clean and calibrate injectors and fuel pump.</li> </ul>
1.2.	Replace hoses as required.
1.3.	Check batteries.
1.4.	Steam clean engine.
1.5.	Tighten mounting bolts.
1.6.	Check crankshaft end clearance.
1.7.	Check turbo charger mounting nuts.
1.8.	Adjust crossheads, valves, and injectors.
<b>2.</b>	<b>FINAL DRIVE</b>
2.1.	Change oil of the final drive (First 50hrs and further every 1500hrs)
<b>3.</b>	<b>PNEUMATIC</b>
3.1.	Check and adjust brake hanger linkages.
3.2.	Check brake cylinder movement, tighten mounting bolts.
3.3.	Apply grease on brake on brake cylinder piston.
3.4.	Change air filter element.
3.5.	Inspect all valves, cocks and flanges for leakages, signs of wear and replace if necessary.
<b>4.</b>	<b>30 KVA DG SET</b>
4.1.	Check all electrical conditions.
4.2.	Turbocharger service.
4.3.	Injector pin service.
4.4.	Cylinder head service.
4.5.	PT pump service.
4.6.	Change oil.
4.7.	Change oil filter, fuel filter and bypass filter.
4.8.	Change air filter.
4.9.	Change water separator.
4.10.	Radiator cleaning with chemical.
4.11.	Inspect cooling system for leaks (pressure test), residue and operation. Check engine block heater.
4.12.	Run generator set (under load) to check voltage, check frequency, check instrument system and make adjustments.
4.13.	Clean and tighten electrical connections, clean crankcase breather, check and tighten mounting bolts and wipe unit clean.
<b>5.</b>	<b>ELECTRICAL</b>
5.1.	Check all electrical connections for good control and rectify defects.
<b>6.</b>	<b>TRANSFORMER</b>
6.1.	Testing BDV (Break down voltage)
6.2.	Measurement of earth resistance.
6.3.	Check for earthing of the transformer.

- e) **SCHEDULE – V** (Duration -4 Days) to be done after 2500 hours of Engine running or 12 months whichever is earlier in addition to Schedule- I, II, III and IV.

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S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QSN 14R, 400 HP @ 2100 RPM)</b>
1.1.	Clean/ drain fuel tank inside.
1.2.	Clean the exterior.
1.3.	Clean radiator.
1.4.	Check fan hub/idler and water pump/idler.
<b>2.</b>	<b>MECHANICAL</b>
2.1.	<b>Check wheel diameter.</b> (Between wheels permissible is 0.8 mm maximum.) (between axle permissible is 1.6 mm maximum) (between bogies permissible is 3mm maximum) Carry out wheel re-profile machining, if necessary.
<b>3.</b>	<b>HYDRAULIC SYSTEM FOR GRIND SYSTEM</b>
3.1.	The oil change should be done after 3000hours of operation or one-year whichever occurs earlier. The oil filling in hydraulic tank should be done using hydraulic oil filtration trolley. Return line filter should not be cleaned/ or reused. Replace the return line filter.
3.2.	The suction strainer should be removed out from the tank for visual inspection of any clogging / dirt accumulation and should be cleaned during every oil change period. Strainer should be changed if any external damage is observed. Cleaning should be done by blowing compressed air in reverse direction.
3.3.	Check hydraulic pump and motor for wear of rotating and reciprocating parts. The condition of the pump / motor can be checked by measuring the leak-offs and compared with the limits specified.
3.4.	Check pressure gauges in the control panel <ol style="list-style-type: none"> <li>a. Main air pressure set at 7.4 kg. /sqcm.</li> <li>b. Brake pipe air pressure set at 5kg. /sqcm.</li> <li>c. Parking brale pressure set at 3 to 3.5 kg/sq cm.</li> <li>d. D. Engine oil pressure gauge above 1.5 kg/sqcm in idle.</li> <li>e. Transmission oil pressure gauge 9 to 12 kg/sqcm.</li> </ol>
3.5.	Check and fill wheel bearing grease if required.
3.6.	Check oil seals for any leakages. Replace if required.
<b>4</b>	<b>PNEUMATIC</b>
4.1.	Disassemble, clean and reassemble brake valve and relay valve.
4.2.	Check and change filter element.
<b>5.</b>	<b>BOGIE AND UNDERFRAME</b>
5.1.	Thoroughly examine the centre pivot mounting bolts and replace if needed.
<b>6.</b>	<b>BRAKE RIGGING &amp; BRAKE SYSTEM</b>
6.1.	Visually inspect damaged/ missing brake gear bushes, lever hanger pins replace if necessary.
6.2.	Check and attend brake block adjuster.
<b>7.</b>	<b>Bogie Frame &amp; Suspension</b>
7.1.	Visually examine the condition of suspension system (coil spring) for any damage/loose/breakage.
<b>8.</b>	<b>Running gear and Wheels</b>
8.1.	If required, replace grease in all axles bearing housing.

f) **SCHEDULE – VI** (Duration -20 Days to be done after 10,000 hours of Engine running or 36 months whichever is earlier in addition to Schedule- I, II, III, IV and V.

S.N.	DESCRIPTION
<b>1.</b>	<b>ENGINE (Cummins QSN 14R, 400 HP @ 2100 RPM)</b>
1.1.	Inspect the following assemblies: <ul style="list-style-type: none"> <li>• Turbo charger</li> </ul>

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	<ul style="list-style-type: none"> <li>• Vibration damper</li> <li>• Air compressor (Cummins / Holset)</li> <li>• Fan hub Idler pulley assembly</li> <li>• Water pump</li> <li>• Clean and flush cooling system</li> <li>• Clean and calibrate injectors and fuel pump.</li> </ul>
<b>2.</b>	<b>HYDRAULIC SYSTEM FOR GRIND SYSTEM</b>
2.1.	During oil change, suction strainer should be removed out from the tank for visual inspection of any clogging / dirt accumulation and should be cleaned if required. Also, strainers should be cleaned during every oil change period. Cleaning should be done, by blowing compressed air in reverse direction. If strainer is found damaged, then replace it.
2.2.	The hydraulic tank and the system should be flushed using the cleaning trolley and the fresh oil is to be filled.
<b>3.</b>	<b>BRAKE RIGGING &amp; BRAKE SYSTEM</b>
3.1.	Repair/replace all brake drum seals, cylinders & brake linkage rods.
<b>4.</b>	<b>Draw Gear</b>
4.1.	Remove the scale, rust, work hardened layers and surface cracks if any, by light grinding/ filing.
<b>5.</b>	<b>Buffing Gear</b>
5.1.	Check the castle nuts for damaged threads, worn out faces visually. Replace castle nuts if needed.

- g) **SCHEDULE – VII [POH]** (Duration -60 Days (1<sup>st</sup> POH) and 75 Days ( 2<sup>nd</sup> POH) to be done after 30,000 hours of Engine running or 96 months whichever is earlier in addition to Schedule- I, II, III, IV, V and VI.

<b>1.</b>	<b>TRANSMISSION</b>
1.1.	Remove and recondition the gear box and cardan shaft. The major overhaul of the equipment will depend on the standard practice of maintenance, usage etc., and hence the work may be planned after assessment of the condition and the wear & tear of the component.
<b>2.</b>	<b>PNEUMATIC</b>
2.1.	Remove all valves & cocks and recondition.

- C. **List of Safety Equipment's to be kept on DFCCIL's RIV is as under:**

SN	Description	Quantity
1.	Detonators in a tin case	1 box
2.	H.S. flag red	2 nos.
3.	H.S. flag green	1 nos.
4.	H.S. Tri colour lamps	2 nos.
5.	Chain & Padlock	1 set.
6.	Clamp with Padlock	2 nos.
7.	Jack 20 T capacity with traverse.	1 no*.
8.	Crow bars	4 nos.
9.	Wooden blocks off sizes	8 nos.
10.	Gauge cum level	1 no.
11.	Banner flag	2 nos.
12.	Portable Control Phone	1 no
13.	Walkie Talkie	1 set
14.	First Aid Box	1 no each cabin
15.	Skids	2 nos.
16.	Working time table of section where machine working	1 copy
17.	G&SR book with up-to-date amendment slips	1 copy
18.	4 cell flasher light	1 no.
19.	Petromax /LPG lamps	1 no.
20.	Safety helmets	For each Machine staff

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21.	Protective clothing, safety shoes and safety gloves	Foreach Machine staff
22.	Track Machine Manual	1 no.
23.	Accident Manual	1 no.
24.	Fire extinguisher	1 no each cabin
25.	Hydraulic Hand Pump	1 no.
26.	Emergency pneumatic/Hydraulic hose of sizes suiting to different machines (complete with end fittings)	1 no.

**Chapter – IX**

**TENDER FORMS AND ANNEXURES  
(including schedule of prices)**

## Chapter- IX

### TENDER FORMS

<b>FORM No.</b>	<b>SUBJECT</b>
Form - 1	Offer Letter
Form - 2	Tenderer's Credentials
Form - 2A	Technical Eligibility Criteria Details
Form - 2B	Financial Eligibility Criteria Details
Form No. 2C	Applicant's Party Information Form
Form - MPD	Details of Manpower planned for Deployment
Form – TSL1	Technical support letter from OEM (M/s LORAM, USA)
Form – MOU1	MOU of bidder with OEM of Camping coach and RIV
Form – MOU2	MOU of bidder with OEM of Water Car
Form - 3	Summary of prices
Form – 3A	Details of Various spare parts and Consumables inventory yard stock
Form - 3B	Details of Various Consumables items of RGM formation and RIV
Form-3C	Details of Various spare parts items of RGM formation and RIV
Form - 4	Schedule of Rates (SOR) and Total Prices
Form - 5	Bid Deposit
Form - 6	Bid Security Exception Declaration
Form - 7	Performance Guarantee Bond
Form - 8	ECS / NEFT / RTGS Form
Form - 9	Power of Attorney for authorized signatory of Single Entity
Form - 10	Draft MOU for Joint Venture Participation
Form - 11	Draft Agreement of JV
Form - 12	Pro-forma of Participation from each partner of JV
Form - 13	Power of Attorney for authorized signatory of JV partners
Form - 14	Power of Attorney to lead partner of JV
Form - 15 (IP)	Format of Pre contract Integrity Pact
Form - 16	Anti-profiteering declaration
Form -17 and 17A	Format for certificate to be submitted/upload by tenderer along with the tender documents
Form - 18	Make in India Policy of GoI
Form -19	Certificate of Responsiveness of Bid.
Form - 20	Deviation Statement
Form - 21	Format of Contract Agreement
Form -22	Performa for Time Extension
Form - 23	Certificate of fitness
Form -24	Performa of 7 days' Notice
Form -25	Performa of 48 Hours' Notice
Form - 26	Performa of termination notice
Form - 27	Final Supplementary Agreement
Form - 28	Standing indemnity bond for on account payment
Annexure-I	General condition of Dispute Adjudication Agreement
Annexure-II	Procedural Rules to Dispute Adjudication
Annexure-III	DAB Agreement
Annexure-IV	Detailed safety measures
Annexure-V	Quarterly Availability Certificate
Annexure-VI	Competency Certificate

Signature of tenderer (s)  
With seal

**FORM - 1**

**OFFER LETTER**

Tender Notice No. \_\_\_\_\_

**Name of Work:** Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 years within DFCCIL Network.

.To,

Group General Manager/Technical,  
Room No.428, DFCCIL Corporate Office,  
Sector-145, NOIDA (Uttar Pradesh), India

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda.
- (b) We offer to execute the O & M Works in conformity with the Bidding Documents.
- (c) Our bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) We have not been blacklisted/banned in accordance with para.1.3.13 (ii) of Preamble and General Instructions to tenderers.
- (e) We are neither Bankrupt/Insolvent nor in the process of winding-up nor there is a case pending before any Court on deadline of submission of the Bid in accordance with para. 1.3.13 (ii) of Preamble and General Instructions to tenderers.
- (f) If our bid is accepted, we commit to obtaining a Performance Guarantee in accordance with the Bidding Documents.
- (g) If our bid is accepted, we commit to deploy key equipment and key personnel consistent with the requirements of the work.
- (h) We understand that this bid, together with your written acceptance thereof included in your notification of award/Letter of Acceptance (LOA), shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- (i) All information, statements and description in this bid are in all respect true, correct and complete to the best of our knowledge and belief and we have not made any tampering or changes in the bidding documents on which the bid is being submitted and if any tampering or changes/incorrect information are detected at any stage, we understand the bid will invite summarily rejection and forfeiture of bid security, the contract will be liable to be terminated along with forfeiture of performance security, even if LOA has been issued.
- (j) We understand that you are not bound to accept the lowest bid or any other bid that you may receive.

Name..... In the capacity of.....  
..... Signed.....Duly authorized to sign  
the Bid for and on behalf of..... Date .....

Signature of tenderer (s)  
With seal

**FORM - 2**

**TENDERER'S CREDENTIALS**

<b>S. No</b>	<b>Description</b>
1.	For technical experience/competence, give details of eligible Projects work done Value during the last five financial years and current year (The payments received in tender opening month will not be counted) in the Performa given in <b>Form-2A</b>
2.	For financial capacity and organizational resources, give details of contractual payments received for the last three financial years (i.e. current Financial year and three previous financial years) as per audited balance sheet certified by Chartered Accountant in the Performa given in <b>Form-2B</b>
3.	Give the constitution of your firm. Attach certified copies of legal documents in support thereof. <b>Form-2C</b>
4.	List of Trained Manpower from M/S Loram, USA whom bidder have planned to deploy for Operation and Maintenance of RGM Formation/RIV duly enclosing Training completion issued by M/S Loram, USA in enclosed <b>Form- MPD</b> .
5.	Technical support letter from OEM of RGM Formation and RIV (M/s LORAM, USA) in format <b>Form- TSL1</b>
6.	In case item No. 6.4 of SOR is not complied by M/s LORAM, USA then valid MOU with M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India in <b>Form- MOU1</b> .
7.	In case item No 6.4 of SOR is not complied by M/s LORAM, USA then valid MOU with M/s Titagarh Rail Systems Limited, Kolkata, India in <b>Form- MOU2</b> .

**FORM – 2A**

**TECHNICAL ELIGIBILITY CRITERIA**

**Details of the Eligible Projects Work Credential**  
(as per Para 1.3.13 (i) (f) of Preamble and General Instruction to Tenders)

Contract No.		
Contract Identification		
Award date		
Completion date		
Role in Contract		[Prime Contractor or Member in JV]
Total Contract Amount (Rs.)		
If member in a JV, Specify participation in total contract amount	[insert a percentage amount]	Total contract amount in Rs.
Total work done value year wise of Eligible <b>Projects</b>	Of Contract as whole	Share of Member in case of JV/partnership Firm
FY -2019-2020		
FY -2020-2021		
FY -2021-2022		
FY -2022-2023		
FY -2023-2024		
Current Financial Year (upto month previous to tender opening month)		
Employer's Name:		
Address:		
Telephone/Fax number		
E-Mail:		
Description of the <b>Eligible Projects</b> in accordance with Criteria 1.3.13 (i) (A) (f)		

**Note:-**

1. **Form 2A** is to be submitted separately for all Eligible Projects for which the bidder is claiming credential.
2. The Bidder shall attach certified Eligible Projects certificates / certified copy of work done payments issued by clients of all Eligible Projects for which the bidder is claiming credential.
3. In case above documents clearly showing the amount of work done Eligible Projects anywhere in railway sector in any country of the world are not submitted by the bidder at the time of submission of his bid, his bid will be evaluated ignoring that credential.

**Name and Signature of Bidder  
along with round Stamp**



**FINANCIAL ELIGIBILITY CRITERIA DETAILS**  
(as per Para 1.3.13 (ii) (b) of Preamble and General Instruction to Tenders)

**NAME OF BIDDER/JV PARTNER:**

Annual Contractual Turnover Data for the Previous 3/4 Years (Contractual Payment only)			
Year	Amount Currency	Exchange Rate	Indian National Rupees Equivalent
Average Annual Contractual Turnover for last 3 years			

1. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years. However, in case the balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover.
2. The information supplied shall be substantiated by data in the audited balance sheets and profit and loss accounts for the relevant years in respect of the bidder or all members constituting the bidder.
3. The contents of this form should be certified by a Chartered Accountant duly supported by Audited Balance Sheet duly certified by the Chartered Accountant.

**SEAL AND SIGNATURE OF THE BIDDER**

Certified that all figures and facts submitted in this form have been furnished after full consideration of all observations/notes in Auditor's reports. \_\_\_\_\_

(Signature of Chartered Accountant)

Name of CA: \_\_\_\_\_

Registration No: \_\_\_\_\_

(Seal)

Note: Each Bidder or each member of a JV must fill in this form separately:

**APPLICANT'S PARTY INFORMATION FORM**

Bidder Company/Firm Name:
Country of registration of Company/Firm:
Year of constitution of Company/Firm:
Company/Firm legal address in country of constitution:
Company/Firm authorized representative information Name: Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: E-mail address:
➤ Following documents are to be attached: a. Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above. b. In case of a government-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and absence of dependent status. c. Copy of PAN card of Bidder firm. d. The authenticated copy of registered partnership deed and registration of the firm from registrar of firm in case of partnership firm if applicable). e. In case of proprietorship firm bidder will submit an affidavit, attested by Notary Public that "I am a sole proprietor of the firm in on Non judicial stamp paper of Rs 500/-. f. Bidder's profile duly filled in, as per tender document. g. Power of Attorney for signing the Application. If applicable, the Power of Attorney for Lead Member of JV; h. Article of association and memorandum in case of private/public limited company. i. Copy of E.P.F. registration. (optional) j. Copy of ESI Certificate. (optional) k. Copy of GST registration no. ➤ Organizational chart, a list of Board of Directors, and the beneficial ownership.

**Name and Signature of Bidder  
along with round Stamp**

**Form – MPD**

**Details of Manpower Planned for Deployment for O & M work of RGM Formation and RIV**

(As per clause 1.3.13(i) A(a) of ITT -to be submitted as part of technical bid)

No.	Name	Role on RGM Formation/ RIV	Educational Qualification	Certification/ License/ Training	Work Experience in a similar position in similar Works (Yr.)	Work Experience Total (Yr.)
<b>RGM Formation</b>						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
<b><u>RIV</u></b>						
1						
2						
3						
4						

**Name and Signature of Bidder  
along with round Stamp**

**Note:**

1. Work experience certificate from Clint of all above proposed O & M Manpower resources are to be attached with this Form.
2. Training Certificate from OEM (M/s LORAM, USA) are also to be attached for all above proposed workforce with this Form.

**Form-TSL1**

**Letter of Technical Support**  
(refer clause 1.3.13(i) A(b) of ITT-Chapter-III)

(From M/s Loram Maintenance of Way, Inc.-3900 Arrowhead Drive Hamel, Minnesota 55340, USA)

To,  
Dedicated Freight Corridor Corporation of India Ltd.(DFCCIL-Client) ,  
represented by Group General Manager/Technical, Room No.428, DFCCIL Corporate Office, Sector-145, NOIDA (Uttar Pradesh), India.

**Sub-**Unconditional letter of Technical Support to Prospective Bidder for O & M contract of DFCCIL's Rail Grinding Machine ( RGI -11 Series) of 72 stones Formation and Rail Inspection Vehicle ( RIV- 121 series)  
**Ref-** Tender Notification No- -----

The Original Equipment Manufacturer (OEM)- '**M/s Loram Maintenance of Way, Inc.-3900 Arrowhead Drive Hamel, Minnesota 55340, USA** , unreservedly, undertakes to provide full back to back Technical Support, as required, for the smooth & uninterrupted execution of O & M contract of DFCCIL's Rail Grinding Machine ( RGI -11 Series) of 72 stones Formation and Rail Inspection Vehicle ( RIV- 121 series by the **[Name and Address of Bidder to be mentioned by OEM]** so as to ensure successful Operation & comprehensive maintenance (O&M) of the RIV & RGM Formation to ensure the continued availability of RGM Formation and RIV, as stipulated in this contract, for operation at their fullest respective operational potential during the entire **168 months (time for completion of O&M Contract)** from the Commencement date to the Bidder **[Name and Address of Bidder to be mentioned by OEM]**, at no extra Cost to the DFCCIL, India.

The Technical Support shall include full Support- OEM Expert, OEM Supervisory Services, all Material including all types of Spares, All types of specialists equipments, related Support personnel, during the Periodic Overhauls (POH) during the aforesaid Time for Completion.

The OEM avers, never to sever business ties with Bidder **[Name and Address of Bidder to be mentioned by OEM]** during the aforesaid 168 months 'Time for Completion' & subsequently extended period (if any) of this O&M Services Contract under the above referred RFP notification..

OEM undertakes to provide, all types of spares, as required in connection with the aforesaid O&M services during the 12 years (time for completion), within a reasonable time frame so as to ensure that the RIV & RGM, uninterruptedly, perform, in actual operation at their fullest functional potential, giving optimal / desired out put while being operated by the aforesaid Bidder **[Name and Address of Bidder to be mentioned by OEM]**.

OEM's undertakes to provide training/competence to staff of Bidder **[Name and Address of Bidder to be mentioned by OEM]** so that the Operation and Maintenance can be executed smoothly. OEM shall visit DFCCIL & DFCCIL worksites (where the RGM & RIV are in operation) periodically , at least once in Three Months, for reviewing the O&M Services being performed by Bidder **[Name and Address of Bidder to be mentioned by OEM]**, scrutinizing the Output and the Result of grinding operation such achievement of GQI, Surface finish and other performance indicators and adjust the same, as necessary, to improve the grind output, quality and quantum of output of RIV & RGM Machine, monitor the (RIV & RGM) equipment upkeep

Signature of tenderer (s)  
With seal

and supervising the Contractor's personnel, providing training to Contractor's personnel, imparting expertise and latest update. To this end, OEM will provide various technical personnel including Superintendents, Service Technicians, Specialists and Engineers, Specialist equipment and Instruments, as conditions warrant. OEM shall provide assurance to travel, on shortest possible notice, to India to provide requisite assistance / support to repairs, breakdowns, equipment overhauls, operating software update and provide advanced training on machine systems for successful O&M subject to travel conditions/restrictions.

At the end of such OEM Visit, OEM will provide a complete and detailed report, addressed to the DFCCIL, providing details of their scrutiny, positive actions taken to address the observed shortcomings, any suggestion on system improvement, and their overall assessment as to the general health of the Machines (RGM Formation and RIV) recommendation and findings.

OEM understands that there are two Periodical Overhaul (POHs), scoped to be done, during the course of O&M Service contract, at five years interval, during the aforesaid Time for Completion. OEM shall provide all types of OEM Personnel (from the Support staff to all relevant Domain Experts), all types of equipment, Instruments, all types of Spares and OEM shall supervise the entire POH operation to its successful completion. After completion of each POH, **OEM shall certify the successful completion of each POH.** OEM understands that after each POH, the RGM Formation and RIV shall be restored to their respective near original functionality. After each POH, the OEM understands that during the next two Year (herein after referred as **"free Spares period"**) after successful completion of each POH , There shall be no requirement for Spares in addition to spares, routinely, required to be provided as a periodical replacement during planned / routine maintenance and replacement required during breakdowns caused by the Employer's personnel. OEM undertakes to provide Spares free of cost during such Free Spares period in case, there is any requirement of any nonperforming or sub optimally performing component of the RGM Formation and RIV requires to be replaced.

OEM understands that **'Rail Life Extension Analysis Services'**, as mentioned in "Schedule-F of SOR" and as per Terms of Reference ( TOR) mentioned in DFCCIL RFP issued vide **NIT- -----** shall be done under the active assistance and support of OEM, at the periodicity stipulated in this document and OEM assures the Client that for successful implementation of 'Rail Life Extension Analysis Services', OEM shall provide all kind of support such as required Personnel for all activities associated with aforesaid Rail life extension analysis, required latest Software, support Measurement to the Bidder **[Name and Address of Bidder to be mentioned by OEM]**. After completion of the Rail life extension analysis, the OEM shall prepare, as required in this RFP, report and submit the report to the DFCCIL.

The contents of this letter shall be legally binding on OEM & Bidder **[Name and Address of Bidder to be mentioned by OEM]**. It is further certified that The signatory of this Letter is fully authorised to issue such letter of Technical Support to the Bidder **[Name and Address of Bidder to be mentioned by OEM]**

**Signature of Authorized signatory of OEM-M/s Loram/USA**  
**Name of Authorized Signatory**  
**Designation of Authorized signatory**  
**Contact details e.g. Cell no and E Mail address**

**Proforma for Memorandum of Understanding (MOU) with OEM**  
**(with M/s SAN Engineering and Locomotive Co. Ltd, Bengaluru, India)**

(As per clause 1.3.13(i) A(d) of ITT Chapter III)

This Memorandum of Understanding (hereinafter referred to as the "MOU") is entered into on this \_\_\_ day of \_\_\_ at \_\_\_ Between \_\_\_\_\_ (Bidder Name and details), a company duly organized and validly existing under the laws of the jurisdiction of its incorporation and having its registered office at \_\_\_\_\_ (hereinafter referred to as the "First Party" which expression shall, unless repugnant to the context includes its legal successors and permitted assigns), on the First Part And \_\_\_\_\_ (OEM Name and details) a company duly organized and validly existing under the laws of the jurisdiction of its incorporation and having its registered office at \_\_\_\_\_ (hereinafter referred to as the "OEM" or "Second Party" which expression shall, unless repugnant to the context includes its legal successors and permitted assigns), on the Second Part

First Party and Second Party are together referred to as the "Parties" and individually a "Party"

Whereas-

- A) DFCCIL (hereinafter referred to as "**DFCCIL**" or "**Employer**") has invited Bids for "-----" vide Tender No. \_\_\_\_\_ dated \_\_\_\_\_ (hereinafter referred to as "O & M Contract").
- B) First Party is in the business of and represents that it fulfills the Eligibility/ Qualifying Criteria as a prospective bidder/ Bidder stated in the O & M Contract and has not been blacklisted or debarred by Railways/DFCCIL or any other Ministry or Department of the Government of India/State Government from participation in tenders/contract in the past either in their individual capacity or the JV firm or Consortium or partnership firm in which they were members/partners.
- C) Second Party is an Original Equipment Manufacturer "OEM" of DFCCIL's Camp Car of RGM formation and Rail Inspection Vehicle (RIV) coach.
- D) First Party intends to bid for the O & M Contract and as per terms of the O & M Contract, it is necessary that every prospective bidders not being a OEM of DFCCIL's RGM formation and RIV and intending to submit bid, needs to submit a MOU with Original Equipment Manufacturers for ensuring supply of spare Parts of Rolling stock for next 14 years
- E) First Party wishes to enter MoU on an exclusive basis with Second party which shall form part of the bid document and wherein individual scope obligations and responsibilities of the Parties is being defined.
- F) Documents related to the O & M Contract which include but not limited to Notice Inviting Tender, Tender Document, any addendum/ corrigendum thereof shall be deemed to have been read by the Parties and shall form integral part of this MOU.

Now Therefore, The Parties agree as follows:

1. The First Party agrees to purchase Camp Car/ Rail Inspection Vehicle Spare Parts manufactured by Second Party for the purpose of O & M of RGM formation and RIV at mutually acceptable terms.
2. The Second Party agrees to supply the Camp Car/ Rail Inspection Vehicle Spare Parts to the First Party as per mutually agreed terms.
3. The Second Party agrees to provide after sale support, maintenance support including schedule overhauling of the supplied rolling stock by giving timely delivery of spares and maintenance services for the currency of the tender, as per mutually agreed terms. However, operation and overall maintenance of the supplied Rolling stock shall be undertaken by First Party at its own cost.
4. For the purpose of after sales service support and maintenance of the supplied Rolling stock, the OEM represents to have adequate capacity in terms of storage of spares, technically equipped service engineers and infrastructure facility in India or represents to establish such facilities in India within the mobilization period defined in the O & M Contract. OEM undertakes for the continuation of such facilities during the currency of the O & M Contract and shall provide prompt service support and supply of spares as per requirement on mutually agreed terms.
5. The Second Party agrees to provide adequate initial and refresher training to the staff of First Party which shall include onsite, and classroom training required as per the O & M Contract on mutually agreed terms. The Second Party shall issue competency certificates to the operators and staff of the First Party in the operation and maintenance of the supplied track machines.
6. Both the Parties shall maintain Confidentiality of the information exchange between Parties and shall not use or share such information for any purpose other than its intended for.
7. Parties agree that First Party shall be solely responsible for submission of Bid for the O & M Contract. If the First Party is being awarded the O & M Contract, Parties shall firm up and enter into an agreement with detail terms and conditions for the currency of the O & M Contract which shall form part of the contract agreement between the Employer and the First Party.
8. This MOU shall be governed by the laws of India and courts of Delhi shall have exclusive jurisdiction over the matters arising out of or relating to this MOU.
9. Each Party hereto agrees to indemnify the other Party and keep indemnifying the other Party against its respective parts, representations, obligations etc. in case of breach/ default of the respective Party.
10. The Parties shall co-operate through the entire period of this MOU relating to this O & M Contract.
11. This Agreement comes into effect from the date of signing of this MOU ("Effective Date") and shall remain valid till the occurrence of the earliest date of any of the following events:
  - Discharge/ Cancellation of the aforesaid Tender by the DFCCIL.
  - Bid submitted by First Party under aforesaid Tender is unsuccessful.
  - 90 days from the Effective Date,
  - In case award of contract by the Employer to First Party under aforesaid Tender, this MOU shall remain valid during currency of said contract. However, Parties shall execute detailed

agreement setting out terms and conditions for engagement within 30 days of award of contract.

IN WITNESS WHEREOF the Parties hereto have executed this MOU through their duly authorized representative, in duplicate (one set to be retained by either Party) as of the date and year written above

**For and on Behalf of 1st party**

**Authorized Signatory**

**For and on Behalf of 2nd party**

**Authorized Signatory**

**In Witness of:**

**Name: Address:**



**Form – MOU2**

**Proforma for Memorandum of Understanding (MOU) with OEM**  
**(with M/s Titagarh Rail Systems Limited, Kolkata, India)**

(As per clause 1.3.13(i) A (e) of ITT Chapter-III)

This Memorandum of Understanding (hereinafter referred to as the "MOU") is entered into on this \_\_\_ day of \_\_\_ at \_\_\_ Between \_\_\_\_\_ (Bidder Name and details), a company duly organized and validly existing under the laws of the jurisdiction of its incorporation and having its registered office at \_\_\_\_\_ (hereinafter referred to as the "First Party" which expression shall, unless repugnant to the context includes its legal successors and permitted assigns), on the First Part And \_\_\_\_\_ (OEM Name and details) a company duly organized and validly existing under the laws of the jurisdiction of its incorporation and having its registered office at \_\_\_\_\_ (hereinafter referred to as the "OEM" or "Second Party" which expression shall, unless repugnant to the context includes its legal successors and permitted assigns), on the Second Part

First Party and Second Party are together referred to as the "Parties" and individually a "Party"

Whereas-

- A) DFCCIL (hereinafter referred to as "DFCCIL" or "Employer") has invited Bids for "-----" vide Tender No. \_\_\_ dated \_\_\_ (hereinafter referred to as "O & M Contract").
- B) First Party is in the business of and represents that it fulfills the Eligibility/ Qualifying Criteria as a prospective bidder/ Bidder stated in the O & M Contract and has not been blacklisted or debarred by Railways/DFCCIL or any other Ministry or Department of the Government of India/State Government from participation in tenders/contract in the past either in their individual capacity or the JV firm or Consortium or partnership firm in which they were members/partners.
- C) Second Party is an Original Equipment Manufacturer "OEM" of DFCCIL's Water Car of RGM formation.
- D) First Party intends to bid for the O & M Contract and as per terms of the O & M Contract, it is necessary that every prospective bidders not being a OEM of DFCCIL's RGM formation and RIV and intending to submit bid, needs to submit a MOU with Original Equipment Manufacturers for ensuring supply of spare Parts of Rolling stock for next 14 years
- E) First Party wishes to enter into MoU on an exclusive basis with Second party which shall form part of the bid document and wherein individual scope obligations and responsibilities of the Parties is being defined.
- F) Documents related to the O & M Contract which includes but not limited to Notice Inviting Tender, Tender Document, any addendum/ corrigendum thereof shall be deemed to have been read by the Parties and shall form integral part of this MOU.

Signature of tenderer (s)  
With seal

Now Therefore, The Parties agree as follows:

1. The First Party agrees to purchase DFCCIL's Water Car Spare Parts manufactured by Second Party for the purpose of O & M of RGM formation and RIV at mutually acceptable terms.
2. The Second Party agrees to supply the Water Car Spare Parts to the First Party as per mutually agreed terms.
3. The Second Party agrees to provide after sale support, maintenance support including schedule overhauling of the supplied rolling stock by giving timely delivery of spares and maintenance services for the currency of the tender, as per mutually agreed terms. However operation and overall maintenance of the supplied Rolling stock shall be undertaken by First Party at its own cost.
4. For the purpose of after sales service support and maintenance of the supplied Rolling stock, the OEM represents to have adequate capacity in terms of storage of spares, technically equipped service engineers and infrastructure facility in India or represents to establish such facilities in India within the mobilization period defined in the O & M Contract. OEM undertakes for the continuation of such facilities during the currency of the O & M Contract and shall provide prompt service support and supply of spares as per requirement on mutually agreed terms.
5. The Second Party agrees to provide adequate initial and refresher training to the staff of First Party which shall include onsite and classroom training required as per the O & M Contract on mutually agreed terms. The Second Party shall issue competency certificates to the operators and staff of the First Party in the operation and maintenance of the supplied track machines.
6. Both the Parties shall maintain Confidentiality of the information exchange between Parties and shall not use or share such information for any purpose other than its intended for.
7. Parties agree that First Party shall be solely responsible for submission of Bid for the O & M Contract. If the First Party is being awarded the O & M Contract, Parties shall firm up and enter into an agreement with detail terms and conditions for the currency of the O & M Contract which shall form part of the contract agreement between the Employer and the First Party.
8. This MOU shall be governed by the laws of India and courts of Delhi shall have exclusive jurisdiction over the matters arising out of or relating to this MOU.
9. Each Party hereto agrees to indemnify the other Party and keep indemnifying the other Party against its respective parts, representations, obligations etc. in case of breach/ default of the respective Party.
10. The Parties shall co-operate through the entire period of this MOU relating to this O & M Contract.
11. This Agreement comes into effect from the date of signing of this MOU ("Effective Date") and shall remain valid till the occurrence of the earliest date of any of the following events:
  - Discharge/ Cancellation of the aforesaid Tender by the DFCCIL.
  - Bid submitted by First Party under aforesaid Tender is unsuccessful.
  - 90 days from the Effective Date,

- In case award of contract by the Employer to First Party under aforesaid Tender, this MOU shall remain valid during currency of said contract. However, Parties shall execute detailed agreement setting out terms and conditions for engagement within 30 days of award of contract.

IN WITNESS WHEREOF the Parties hereto have executed this MOU through their duly authorized representative, in duplicate (one set to be retained by either Party) as of the date and year written above

**For and on Behalf of 1st party**

**Authorized Signatory**

**For and on Behalf of 2nd party**

**Authorized Signatory**

**In Witness of:**

**Name: Address:**

FORM - 3

**SUMMARY OF PRICES**

**Name of Work:** Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 Years within DFCCIL Network.

**RATE SHEET**

**I/we hereby agree and abide to do the work as below:**

Sl. No.	Schedule Names as per SOR	Advertised rate of items as per Form - 4 of RFP (excluding 18%GST)	Quoted rate of item wrt to advertised rate	Remarks
<b>Schedule A (For Manpower for Operation and Maintenance of RGM formation and RIV)</b>				
1	<b>Manpower:</b> Operation & Comprehensive Maintenance of 72 Stone Rail Grinding Machine (Model No. RGI-11) and Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA within DFCCIL Network During warranty period upto 16 Nov,2025	₹ 39,54,778.00	% Above/ /Below/At par by Bidder	Rates to be quoted in online mode only.
2	<b>Manpower:</b> Operation & Comprehensive Maintenance of 72 Stone Rail Grinding Machine (Model No. RGI-11) and Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA within DFCCIL Network beyond warranty period	₹ 41,31,293.00	% Above/ /Below/At par by Bidder	Rates to be quoted in online mode only.
3	<b>Manpower - Lump Sum</b> manpower cost required for 1st Periodic Overhaul of 72 Stone Rail Grinding Machine (Model No. RGI-11) formation manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA. <b>Note- During operation of this item, Item No.1 will not be operated</b>	₹ 82,62,586.00	% Above/ /Below/At par by Bidder	Rates to be quoted in online mode only.
4	<b>Manpower:</b> Lump Sum manpower cost required for 2nd Periodic Overhaul of 72 Stone Rail Grinding Machine (Model No. RGI-11) formation manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA. <b>Note- During operation of this item, Item No.1 will not be operated</b>	₹1,03,28,232.00	% Above/ /Below/At par by Bidder	Rates to be quoted in online mode only.
5	<b>Manpower:</b> Lump Sum manpower cost required for 1st Periodic Overhaul of Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA . <b>Note- During operation of this item, 20% of Item No.1 will not be operated</b>	₹.8,26,258.00	% Above/ /Below/At par by Bidder	Rates to be quoted in online mode only.
<b>Schedule B (For Supply of Consumables)</b>				
1	<b>Lump Sum</b> Cost of all required consumables (excluding HSD and water) during full contract duration, required for RGM formation and RIV	₹.12,25,87,200.00	At par	Rates to be quoted at Par

Signature of tenderer (s)  
With seal

	manufactured & supplied by M/s Loram Maintenance of Way Inc. USA			
<b>Schedule C (For Supply of Spare parts of RGM &amp; RIV (excluding consumables and Grinding Stone)</b>				
1	<b>Lump Sum</b> Cost of all required spares (excluding consumables, required fuel, water & on shore electricity) during full contract duration, required for RGM- RIV consist manufactured & supplied by M/s Loram Maintenance of Way Inc. USA	₹.1,15,90,69,233.00	At par	Rates to be quoted at Par
<b>Schedule D (For Supply of Grinding stone for RGM )</b>				
1	<b>Lump Sum</b> Cost for supply of Grinding stone during full contract duration required for RGM manufactured & supplied by M/s Loram Maintenance of Way Inc. USA	₹.95,40,72,000.00	At par	Rates to be quoted at Par
<b>Schedule E (Foreign training)</b>				
1	Foreign training at the RGM OEM's premises for Four (04) DFCCIL officials for 4 weeks duration excluding cost of travel from India to USA & back and lodging boarding at USA and Visa associated cost	₹.1,14,56,878.00	% Above/ /Below/At par by Bidder	Rates to be quoted in online mode only.
<b>Schedule F (Rail life Extension Analysis)</b>				
1	<b>Service cost of Rail Life Extension Analysis</b> including Rail Template Development & Profile Management for DFCCIL for effective Operations of 72 Stone Rail Grinding Machine for 880 UTS rail and 1080 E1 HH Rails separately	₹.1,47,88,415.00	% Above/ /Below/At par by Bidder	Rates to be quoted in online mode only.
TOTAL Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 Years within DFCCIL Network. = Rs.----- (excluding GST of 18%)				

**\* Tenderer should bear the fact in mind while quoting the rates that GST will be paid by Contractor as per prevailing rate as applicable. Documentary evidence of deposition of GST will be produced by contractor.**

**Notes:**

- (i) The above prices are inclusive of duties, levies, etc. except 18% GST.
- a) **GST** as applicable from time to time on taxable value of each running account bill **shall be paid by Contractor for further deposition of GST to State Govt. and/or Central Govt.** as applicable. Documentary evidence of deposition of GST will be produced by contractor.
- b) The contractor should adhere to **Anti Profiteering Provisions** (in **Form-16**) as per section 171 of the CGST Act. Where due to a change in the rates of GST / Change in law, the contractor gets any credits / benefits, the same shall be passed on to DFCCIL by way of reduction in prices.
- (ii) The tenderer should quote single percentage above / at par / below for each schedule.
- (iii) If the uniform percentage quoted by the Tenderer does not clearly indicate whether the rates are above/at par/below the estimated rates then through sign convention it will be considered to be on plus side and evaluated accordingly

**Form - 3A**

**(Refer clause NI 1.3.18.3 of chapter - III)**

(Details of all items (Head wise) mentioned in item No.1 of Schedule -B and Item No. 1 of Schedule C of SOR for O & M of RGM formation and RIV)

SN	Name of Rolling stock (Front Car, GC, Camp Coach, water car., RIV)	Main Head as mentioned in item No 1.3.18.2	OEM Part No as per OEM parts catalogue	OEM Part Description as mentioned in OEM parts catalogue	Brand/ Make of Item	Indian/ Imported	Type of item (Recommended/ Essential/ Consumables)	Unit	Recommended Inventory level Qty	Minimum Inventory level Qty
1	2	3	4	5	6	7	8	9	10	11

**Form - 3B**

**(Refer clause No. 1.3.18.4 of chapter - III)**

(Details of all items of main heads (Head wise) mentioned in item No.1 of Schedule - B of SOR for O & M of RGM formation and RIV)

SN	Name of Rolling stock (Front Car, GC, Camp Coach, water car., RIV)	Main Head as mentioned in item No 1.3.18.2 of ITT	OEM Part No as per OEM part catalogue	OEM Part Description as mentioned in part OEM catalogue	Brand/ Make of Item	Warranty Period, if any (in months)	Type of item (Recommended/ Essential/ Consumables)	Indian/ Imported	Unit	Unit Cost without GST	% GST rate	Proposed Index for calculating PVC
1	2	3	4	5	6	7	8	9	10	11	12	13

Signature of tenderer (s)  
With seal

**Form – 3C**

**(Refer clause No. 1.3.18.4 of chapter - III)**

(Details of all items of (Head wise) mentioned in item No.1 of Schedule - C of SOR for O & M of RGM formation and RIV)

SN	Name of Rolling stock (Front Car, GC, Camp Coach, water car., RIV)	Main Head as mentioned in item No 1.3.18.2 of ITT	OEM Part No as per OEM part catalogue	OEM Part Description as mentioned in part OEM catalogue	Brand/ Make of Item	Warranty Period, if any (in months)	Type of item (Recommended/ Essential/ Consumables)	Indian/ Imported	Unit	Unit Cost without GST	% GST rate	Proposed Index for calculating PVC
1	2	3	4	5	6	7	8	9	10	11	12	13

Signature of tenderer (s)  
With seal

FORM - 4

**SCHEDULE OF RATES (SOR) & TOTAL PRICE**

**Name of Work:** Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 Years within DFCCIL Network..

Item No.	Description of Item	Unit	Qty.	Unit Rates in Rs. (Excl. 18% GST/Tax)	Amount in Rs. (Excl. 18% GST/Tax)
<b>Schedule A (For Manpower for Operation and Maintenance of RGM formation and RIV)</b>					
1	<b>Manpower:</b> Operation & Comprehensive Maintenance of 72 Stone Rail Grinding Machine (Model No. RGI-11) and Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA within DFCCIL Network During warranty period upto 16 Nov,2025	Months	10	₹ 39,54,778.00	₹ 3,95,47,780.00
2	<b>Manpower:</b> Operation & Comprehensive Maintenance of 72 Stone Rail Grinding Machine (Model No. RGI-11) and Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA within DFCCIL Network beyond warranty period	Months	130	₹ 41,31,293.00	₹53,70,68,090.00
3	<b>Manpower</b> - Lump Sum manpower cost required for 1st Periodic Overhaul of 72 Stone Rail Grinding Machine (Model No. RGI-11) formation manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA. <b>Note- During operation of this item, Item No.1 will not be operated</b>	Nos	1	₹ 82,62,586.00	₹ 82,62,586.00
4	<b>Manpower:</b> Lump Sum manpower cost required for 2nd Periodic Overhaul of 72 Stone Rail Grinding Machine (Model No. RGI-11) formation manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA. <b>Note- During operation of this item, Item No.1 will not be operated</b>	Nos	1	₹1,03,28,232.00	₹1,03,28,232.00
5	<b>Manpower:</b> Lump Sum manpower cost required for 1st Periodic Overhaul of Rail Inspection Vehicle (Model No. RIV-121) manufactured & supplied by Specialist Manufacturer - M/s Loram Maintenance of Way Inc. USA . <b>Note- During operation of this item, 20% of Item No.1 will not be operated</b>	Nos	1	₹.8,26,258.00	₹.8,26,258.00
<b>TOTAL OF Schedule A</b>					<b>₹ 59,60,32,946.00</b>

Signature of tenderer (s)  
With seal



<b>Schedule B (For Supply of Consumables)</b>						
<b>Item No.</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Unit Rates in Rs. (Excl. 18% GST/Tax)</b>	<b>Amount in Rs. (Excl. 18% GST/Tax)</b>	<b>Remarks</b>
1	<b>Lump Sum</b> Cost of all required consumables (excluding HSD and water) during full contract duration, required for RGM formation and RIV manufactured & supplied by M/s Loram Maintenance of Way Inc. USA		(Lumpsum)		₹.12,25,87,200/-	The various details of consumables as desired in <b>Form -3B</b> are to be submitted by Bidders along with financial offer as per Note No. (iv) of Item No.2 of SOR (Chapter-II). The payment will be done as per actual consumption and at accepted rates submitted by bidder vide <b>Form -3B</b> of RFP.
<b>Schedule C (For Supply of Spare parts of RGM &amp; RIV (excluding consumables and Grinding Stone)</b>						
1	<b>Lump Sum</b> Cost of all required spares (excluding consumables, required fuel, water & on shore electricity) during full contract duration, required for RGM- RIV consist manufactured & supplied by M/s Loram Maintenance of Way Inc. USA		Lumpsum)		₹.1,15,90,69,233/-	The various details of consumables as desired in <b>Form -3C</b> are to be submitted by Bidders along with financial offer as per Note No. (iv) of Item No.2 of SOR (Chapter-II). The payment will be done as per actual consumption and at accepted rates submitted by bidder vide <b>Form - 3C</b> of RFP.
<b>Schedule D (For Supply of Grinding stone for RGM )</b>						
1	<b>Lump Sum</b> Cost for supply of Grinding stone during full contract duration required for RGM manufactured & supplied by M/s Loram Maintenance of Way Inc. USA		Lumpsum		₹.95,40,72,000/-	The payment will be done as per actual consumption and at latest accepted rates of Northern Railway
<b>Schedule E (Foreign training)</b>						
<b>Item No.</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Unit Rates in Rs. (Excl. 18% GST/Tax)</b>	<b>Amount in Rs. (Excl. 18% GST/Tax)</b>	
1	Foreign training at the RGM OEM's premises for Four (04) DFCCIL officials for 4 weeks duration excluding cost of travel from India to USA & back and lodging boarding at USA and Visa associated cost	Nos	1	₹.1,14,56,878.00	₹.1,14,56,878.00	
<b>Schedule F (Rail life Extension Analysis)</b>						
1	<b>Service cost of Rail Life Extension Analysis</b> including Rail Template Development & Profile Management for DFCCIL for effective Operations of 72 Stone Rail Grinding Machine for	Nos	2	₹.1,47,88,415.00	₹.2,95,76,830.00	

Signature of tenderer (s)  
With seal

880 UTS rail and 1080 E1 HH Rails separately				
<b>TOTAL OF Schedule (A + B+C+D+E+F)</b>				<b>₹.287,27,95,087.00</b>
<b>Total including 18% GST</b>				<b>₹.3,38,98,98,202.66</b>

- \* Tenderer should quote % above/below/at par for schedule "A", "E" and "F" and at par for schedule "B", "C" and "D".
- \*\* Tenderer should bear the fact in mind while quoting the rates that GST will be paid by Contractor as per prevailing rate as applicable. Documentary evidence of deposition of GST will be produced by contractor.

**Important Notes in connection of items of Schedule B and C of SOR:**

- a) Index No. and Index Name along with country name of each item (both for Indigenous or imported) shall be mentioned by Bidder for cost escalation purpose.
- b) In case, any Zonal Railway of Indian Railway issue any purchase order of some spare part of RGM Formation/RIV or consumable required for RGM formation/RIV whose brand, make and type is same as mentioned OEM parts catalog of the DFCCIL's RGM Formation/RIV to selected Bidder of this tender after award of this work, then payment to selected bidder of this tender will be made as per accepted rate of purchase order (PO)/Rate Contract LOA/AMC LOA issued by Zonal Railways. Priority of selection of rate will be in order Northern Railway, Western Railway, Central Railway, East Central Railway, North Central Railway, other Zonal Railways) provided finalized rate of Zonal railways are less than accepted rate (duly updated for PVC) of this tender. For ensuring same the selected bidder has to submit a undertaking on stamp paper of requisite value with every running bill duly endorsing that **"the rate of payment claimed in this on account bill is not violating this clause"**.
- c) As per present Make in India policy, the selected Bidder has to try his best to develop Indian Sources for items which Bidder has planned to import in this tender. The rate of same will be decided mutually by DFCCIL and selected Bidder of this tender as and when needed and making necessary correction in OEM Parts Catalog of DFCCILs RGM Formation and RIV..

FORM - 5

**Bid Security**

Bank Guarantee Bond from any scheduled commercial bank of India  
(On non-judicial stamp paper, which should be in the name of the Executing Bank).

.....**Bank's Name, and Address of Issuing Branch or Office**.....

**Beneficiary:** Dedicated Freight Corridor Corporation of India Limited.

Date:.....

**Bank Guarantee Bond No.:**

**Date:-----**

..... **(Designation & address of Contract Signing Authority)**, Dedicated Freight Corridor Corporation of India Limited (herein called "**the Employer**") having invited the bid for ----- through Notice inviting tender (NIT)No.. -----, We have been informed that. ... **[Insert name of the Bidder]** ----- (**hereinafter called " the Bidder"**) Intends to submit its bid(**hereinafter called" the Bid"**).

WHEREAS, the Bidder is required to furnish Bid Security for the sum of **[Insert required Value of Bid Security]**, in the form of Bank Guarantee, according to conditions of Bid.

**AND**

WHEREAS,..... **[Insert Name of the Bank]**, with its Branch ..... **[Insert Address]** having its Headquarters office at..... **[Insert Address]**, hereinafter called the **Bank**, acting through ..... **[Insert Name and Designation of the authorized persons of the Bank]**, have, at the request of the Bidder, agreed to give guarantee for Bid Security as hereinafter contained, in favour of the Employer:

1. KNOW ALL MEN that by these present that I/We the undersigned **[Insert name(s) of authorized representatives of the Bank]**, being fully authorized to sign and incur obligations for and on behalf of the Bank, confirm that the Bank, hereby, unconditionally and irrevocably guarantee to pay to the Employer full amount in the sum of **[Insert required Value of Bid Security]** as above stated.
2. The Bank undertakes to immediately pay on presentation of demand by the Employer any amount up to and including aforementioned full amount without any demur, reservation or recourse. Any such demand made by the Employer on the Bank shall be final, conclusive and binding, absolute and unequivocal on the Bank notwithstanding any disputes raised/ pending before any Court, Tribunal, Arbitration or any Authority or any threatened litigation by the Bidder or Bank.
3. The Bank shall pay the amount as demanded immediately on presentation of the demand by Employer without any reference to the Bidder and without the Employer being required to show grounds or give reasons for its demand of the amount so demanded.
4. The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank or in the constitution of the Bidder.

Signature of tenderer (s)  
With seal

5. The Bank agrees that no change, addition, modifications to the terms of the Bid document or to any documents, which have been or may be made between the Employer and the Bidder, will in any way absolve the Bank from the liability under this guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification made by Employer at anytime.
6. This guarantee will remain invalid and ineffective from.....**[insert date of issue]** till .....**[insert date, which should be minimum (90 days beyond the expiry of validity of Bid)]**. Any demand in respect of this Guarantee should reach the Bank within the validity period of Bid Security/Maintenance period plus 60 days.
7. The Bank Guarantee is unconditional and irrevocable.
8. The expressions Bank and Employer herein before used shall include their respective successors and assigns.
9. The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the Employer. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No.758.
10. The Bank hereby confirms that it is on the SFMS (Structured Financial Messaging System) and shall invariably send the advice of this Bank Guarantee to the following bank details –

IFSC CODE	UBIN0546836
IFSC TYPE	BRANCH
BANK NAME	Union Bank of India,
BRANCH NAME	Motibagh Branch
CITY NAME	New Delhi
ADDRESS	Moti Bagh -1, New Delhi - 110066
STATE	DELHI
BG ENABLED	YES

11. The Guarantee shall be valid in addition to and without prejudice to any other security Guarantee(s) of Bidder in favour of the Employer. The Bank, under this Guarantee, shall be deemed as Principal Debtor of the Employer.

Date..... ..

Place..... ..

Bank's Seal and authorized signature(s)

*[Name in Block letters]..... ..*

*[Designation with Code No.]..... ..*

*[P/Attorney]No.*

Witness:

- 1 Signature, Name & Address & Seal
- 2 Signature, Name & address & Seal  
Bank's Seal

*[P/Attorney] No.*

**Note:** All italicized text is for guidance on how to prepare this bank guarantee and shall be deleted from the final document.

**Bid Security Exemption Declaration**

[Ref clause 1.3.29.1 of ITT)

(To be executed on non-judicial stamp paper notarized)

*(Bid Securing Declaration In lieu of bid security in the following is applicable only to the Bidders exempted from submission of bid security)*

Bidder's Name \_\_\_\_\_

[Address and Contact Details]

Bidder's NIT No.. \_\_\_\_\_ Date.....

To

Group General Manager/Technical,  
Room No.428, DFCCIL Corporate Office,  
Sector-145, NOIDA (Uttar Pradesh), India

We, the undersigned, solemnly declare that:

1. We understand that according to the conditions of this Tender Document, the bid must be supported by a Bid Securing Declaration In lieu of Bid Security.
2. We unconditionally accept the conditions of this Bid Securing Declaration. We understand we shall stand automatically suspended from being eligible for bidding in any tender in Client Organization for 2 years from the date of opening of this bid if we breach our obligation(s) under the tender conditions if we:
  - i) withdraw/ amend/ impair/ derogate, in any respect, from our bid, within the bid validity; or
  - ii) being notified within the bid validity of the acceptance of our bid by the Procuring Entity:
    - (a) refused to or failed to produce the original documents for scrutiny or the required Performance Security within the stipulated time under the conditions of the Tender Document.
    - (b) Fail or refuse to sign the contract.
3. We know that this bid-Securing Declaration shall expire if the contract is not awarded to us, upon:
  - i) receipt by us of your notification
    - (a) of cancellation of the entire tender process or rejection of all bids or
    - (b) of the name of the successful bidder or
  - ii) forty-five days after the expiration of bid validity, any extension to it.

(Signature with date)

(Name and designation)

Duly authorized to sign bid for and on behalf of.....

[name & address of Bidder and seal of company]

Dated on ..... day of ..... [insert date of signing]

Place.....[ insert place of signing]

DA:.....

Form - 7

**SAMPLE**

Name of the Bank \_\_\_\_\_

Managing Director/ DFCCIL Bank Guarantee Bond No.\_\_\_\_  
Acting through\_\_\_\_\_(Designation Dated\_and address of contract signing authority)

**PERFORMANCE GUARANTEE BOND**

In consideration of the Managing Director / DFCCIL acting through Group General Manager/Technical/DFCCIL/[Designation & Address of Contract Signing Authority], Dedicated Freight Corridor Corporation of India Limited hereinafter called "DFCCIL") having agreed under the terms and conditions of agreement/Contract Acceptance letter No.\_\_\_\_\_ dated\_\_\_\_\_made between\_\_\_\_\_(Designation & address of contract signing Authority) and\_\_\_\_\_(hereinafter called "the said contractor(s)" for the work\_\_\_\_\_ (hereinafter called "the said agreement") having agreed for submission of an irrevocable\_\_\_\_\_ Bank Guarantee Bond for Rs. ----- (Rs.Only) as a performance security Guarantee Bond from the contractor(s) for compliance of his obligations in accordance with the terms & conditions in the said agreement.

1. We (indicate the name of the Bank) hereinafter referred to as the Bank, undertake to pay to the Government an amount not exceeding Rs.\_\_(Rs....Only) on demand by the Government.
2. We\_\_\_\_\_(indicate the name of the bank, further agree that (and promise) to pay the amounts due and payable under this guarantee without any demur merely on a demand from the Government through the Group General Manager/Technical/DFCCIL/----- or \_\_\_\_\_(Designation & Address of contract signing authority) DFCCIL, stating that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by the Government by reason of any breach by the said contractor of any of the terms or conditions contained in the said agreement or by reason of the contractor failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rs.\_\_\_\_\_Only)
- 3 (a) We,\_\_\_\_\_( indicate the name of Bank ) further undertake to pay to the Government any money so demanded notwithstanding any dispute or dispute raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating to liability under this present being absolute and unequivocal.  
  
(b) The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

Signature of tenderer (s)  
With seal

4. We, \_\_\_\_\_ (indicate the name of bank ) to further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged by \_\_\_\_\_ (Designation & Address of contract signing authority) on behalf of the Government, certify that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor (s) and accordingly discharges this guarantee.
  
5. (a) Notwithstanding anything to the contrary contained herein the liability of the bank under this guarantee will remain in force and effect until such time as this guarantee is discharged in writing by the Government or until (date of validity/extended validity) whichever is earlier and no claim shall be valid under this guarantee unless notice in writing thereof is given by the Government within validity/extended period of validity of guarantee from the date aforesaid.  
  
(b) Provided always that we \_\_\_\_\_ (indicate the name of the Bank ) unconditionally undertakes to renew this guarantee to extend the period of guarantee form year to year before the expiry of the period or the extended period of the guarantee, as the case may be on being called upon to do so by the Government. If the guarantee is not renewed or the period extended on demand, we \_\_\_\_\_ (indicate the name of the Bank) shall pay the Government the full amount guarantee on demand and without demur.
  
6. We, \_\_\_\_\_ (indicate the name of Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without effecting in any manner out of obligations hereunder to vary any of the terms and conditions of the said contract from time to time or to postpone for any time or from time to time any to the powers exercisable by the Government against the said contractor (s) and to forbear or enforce any of the terms and conditions of the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor (s) or for any bearance act or omission on the part of the Government or any indulgence by the Government to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties for the said reservation would relive us from the liability.
  
7. This guarantee will not be discharged by any change in the constitution of the Bank or the Contractor (s).
  
8. We \_\_\_\_\_ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the DFCCIL in writing.
  
9. This guarantee shall be valid upto \_\_\_\_\_ (Date of completion plus 60 days beyond that). Unless extend on demand by DFCCIL. Notwithstanding anything to the contrary contained herein before, our liability under this guarantee is restricted to Rs. \_\_\_\_\_ only) unless a demand under this guarantee is made on us



in writing on or before we, shall be discharged from our liabilities under this guarantee thereafter.

Dated \_\_\_\_\_ The day of \_\_\_\_\_ For

\_\_\_\_\_  
\_\_\_\_\_(Indicate the name of bank)

Signature of Bank Authorize official  
(Name):  
Designation: Full  
Address.

Witness:

1. \_\_\_\_\_

2. \_\_\_\_\_

Form - 8

**ECS / NEFT / RTGS  
MANDATE FORM**

To

Group General  
Manager/Technical, Room  
No.428, DFCCIL Corporate  
Office, Sector-145, NOIDA  
(Uttar Pradesh),  
India

Sub: ECS / NEFT / RTGS payments

We refer to the ECS / NEFT / RTGS set up by DFCCIL for remittance of our payments using RBI's NEFT / RTGS scheme, our payments may be made through the above scheme to our under noted account.

Name of Bank	
Name of City	
Bank Code No	
Name of Bank Branch	
Branch Code No	
Address of Bank Branch	
Telephone Number of Bank Branch	
Fax No of Bank Branch	
Name of customer / Tenderer as per account	
Account Number of Tenderer appearing on cheque book	
Type of Account (S. B. / Current / Cash credit)	
IFSC code for NEFT	
IFSC code for RTGS	
9-Digit-code number of the bank and branch appearing on the MICR cheque issued by the bank.	
Details of Cancelled Cheque leaf	
Telephone no of tenderer	
Cell Phone Number of the tenderer to whom details with regard to the status of bill submitted to Accounts Office i.e. Co6 & Co7 & Cheque Purchase Orders particulars can be intimated through SMS	
Tenderer's E - mail ID	

Confirmed by Bank signature of tenderer with stamp  
and address Enclose a copy of crossed cheque

Signature of tenderer (s)  
With seal

**Form-9**

**Power of Attorney for Authorized Signatory of Single Entity**

*(to be executed on non-judicial Stamp paper of appropriate value & Notarised)*

“Know all persons by these presents, we \_\_\_\_\_ do hereby constitute, appoint and authorize Mr/Ms \_\_\_\_\_ who is presently employed with us and holding the position of \_\_\_\_\_ & who is located at Address-----, as our **Authorized Representative** (our attorney), to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our submission of this Bid for O & M work of [Name of work to be mentioned by Bidder] vide NIT No. [NIT No need to be mentioned by Bidder] Including signing and submission of all documents and providing information/responses to Dedicated Freight Corridor Corporation of India Limited, representing us in all matters, dealing with Dedicated Freight Corridor Corporation of India Limited in all matters in connection with our Bid Submission till Contract is awarded. The Said Authorized representative shall continue to represent us (The Bidder and Contractor after award of the Works), during subsequent implementation of this Contract till the completion, in all respect, of the ‘O&M Contrcat’ Works during stipulated period of Completion or till revocation of this POA with the prior permission of the DFCCIL, as the case may be.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

We, in addition, unequivocally, certify that the Signatory of this Power of Attorney (POA) has been duly authorized by Our Board of Directors (BoD) to issue POA, such as this one.

Dated this the \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_\_\_\_.

(Signature of Authorized Signatory)

(Signature and Name in Block letters of Signatory, Designation, Company, Cell number & E Mail ID) and Seal of Company

Witness

Witness 1:	Witness 2:
Name:	Name:
Address:	Address:
Occupation:	Occupation:
Cell no- E Mail ID	Cell no- E Mail ID

Notary Attestation
Notary Stamp & Signature

**Notes:** The extract from BoD minutes, conveying authorisation of the Authorised signatory [ for issuing this POA] to issue the POA, such as this one, shall be attached along with this POA.

Signature of tenderer (s)  
With seal

Form - 10

**DRAFT MEMORANDUM OF UNDERSTANDING  
(MOU) For JOINT VENTURE PARTICIPATION  
BETWEEN**

M/s ..... Having its registered office at.....(Hereinafter referred to as.....) acting as the Lead Partner of the first part,

**And**

M/s .....having its registered office at ..... (Hereinafter referred to as `.....') in the capacity of a Joint Partner of the other part.

**and**

M/s .....having its registered office at -----(Hereinafter Referred to as `-----') in the capacity of a Joint Partner of the other part.

The expressions of ..... And ..... Shall wherever the context admits, mean and include their respective legal representatives, successors-in-interest and assigns and shall collectively be referred to as "the Parties" and individually as "the Party"

**WHEREAS:**

Dedicated Freight Corridor Corporation of India Limited (DFCCIL) [hereinafter referred to as "Client"] has invited bids for ..... "[Insert name of work]... "

**NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:**

1. The following documents shall be deemed to form and be read and construed as an integral part of this MOU.
  - (i) Notice for Bid, and
  - (ii) Bidding document
  - (iii) Any Addendum/Corrigendum issued by Dedicated Freight Corridor Corporation of India Limited
  - (iv) The bid submitted on our behalf jointly by the Lead Partner.
2. The `Parties' have studied the documents and have agreed to participate in submitting a `bid' jointly.
3. M/s .....shall be the lead member of the JV for all intents and purpose and shall represent the Joint Venture in its dealing with the Client. For the purpose of submission of bid proposals, the parties agree to nominate ..... As the leader duly authorized to sign and submit all documents and subsequent clarifications, if any, to the Client. However M/s..... shall not submit any such proposals, clarifications or commitments before securing the written clearance of the other partner which shall be expeditiously given by M/s.....to M/s.....
4. The `Parties' have resolved that the distribution of responsibilities and their proportionate share in the Joint Venture is as under:
  - (a) Lead Partner;
    - (i) .....
    - (ii) .....

Signature of tenderer (s)  
With seal

- (iii) .....
- (b) Joint Venture Partner
  - (i) .....
  - (ii) .....
  - (iii) .....

[Similar details to be given for each partner]

**5. JOINT AND SEVERAL RESPONSIBILITIES**

The Parties undertake that they shall be jointly and severally liable to the Client in the discharge of all the obligations and liabilities as per the contract with the Client and for the performance of contract awarded to their JV.

**6. ASSIGNMENT AND THIRD PARTIES**

The parties shall co-operate throughout the entire period of this MOU on the basis of exclusivity and neither of the Parties shall make arrangement or enter into agreement either directly or indirectly with any other party or group of parties on matters relating to the Project except with prior written consent of the other party.

**7. EXECUTIVE AUTHORITY**

The said Joint Venture through its authorized representative shall receive instructions, payments from the Client. The management structure for the project shall be prepared by mutual consultations to enable completion of project to quality requirements within permitted cost and time.

**8. BID SECURITIES**

Till the award of the work, JV firm/Lead Partner of JV firm shall furnish Bid Security to the Client on behalf of the joint venture which shall be legally binding on all the members of the Joint Venture.

**9. BID SUBMISSION**

Each Party shall bear its own cost and expenses for preparation and submission of the bid and all costs until conclusion of a contract with the Client for the Project. Common expenses shall be shared by all the parties in the ratio of their actual participation.

**10. INDEMNITY**

Each party hereto agrees to indemnify the other party against its respective parts in case of breach/default of the respective party of the contract works of any liabilities sustained by the Joint Venture.

- 11.** For the execution of the respective portions of works, the parties shall make their own arrangements to bring the required finance, plants and equipment, materials, manpower and other resources.

**12. DOCUMENTS & CONFIDENTIALITY**

Each Party shall maintain in confidence and not use for any purpose related to the Project all commercial and technical information received or generated in the course of preparation and submission of the bid.

**13. ARBITRATION**

Any dispute, controversy or claim arising out of or relating to this agreement shall be

settled in the first instance amicably between the parties. If an amicable settlement cannot be reached as above, it will be settled by arbitration in accordance with the Indian Arbitration and Conciliation Act 1996 or any amendments thereof. The venue of the arbitration shall be Delhi.

**14. VALIDITY**

This Agreement shall remain in force till the occurrence of the earliest to occur of the following, unless by mutual consent, the Parties agree in writing to extend the validity for a further period.

- a. The bid submitted by the Joint Venture is declared unsuccessful, or
- b. Cancellation/ shelving of the Project by the client for any reasons prior to award of work
- c. Execution of detailed JV agreement by the parties, setting out detailed terms after award of work by the Client.

**15.** This MOU is drawn in ..... Number of copies with equal legal strength and status. One copy is held by M/s ..... and the other by M/s..... & .....M/s ..... And a copy submitted with the proposal.

**16.** This MOU shall be construed under the laws of India.

**17. NOTICES**

Notices shall be given in writing by fax confirmed by registered mail or commercial courier to the following fax numbers and addresses:

Lead Partner ..... (Name & Address)	Other Partner(s) ..... (Name & Address)
---	---

IN WITNESS WHEREOF THE PARTIES, have executed this MOU the day, month and year first before written.

M/s..... ..... (Seal)	M/s..... ..... (Seal)
-----------------------------	-----------------------------

Witness  
1.....(Name & Address)  
2.....(Name & Address)

**Notes:** (1) In case of existing joint venture, the certified copy of JV Agreement may be furnished.

## DRAFT FORMAT OF JOINT VENTURE AGREEMENT

To be executed on non-judicial stamp paper of appropriate value in accordance with relevant Stamp Act and to be registered with appropriate authority under Registration Act.

The JV agreement shall be structured generally as per contents list given below:

### A. CONDITIONS AND TERMS OF JV AGREEMENT

1. Definitions and Interpretation
2. Joint Venture – Include Equity of members, transferability of shareholding of equity of a partner leaving during the subsistence of the contract.
3. Proposal Submission
4. Performance – To indicate scope of responsibility of each member
5. Language and Law
6. Exclusively
7. Executive Authority
8. Documents
9. Personnel
10. Assignment and Third Parties
11. Severability
12. Member in Default
13. Duration of the Agreement
14. 14 Liability and sharing of risks
15. Insurance
16. Sharing of Promotion and Project Costs, Profits, Losses and Remuneration
17. Financial Administration and Accounting
18. Guarantees and Bonds
19. Arbitration
20. Notices
21. Sole Agreement and Variation

### B. SCHEDULES

1. Project and Agreement Particulars
2. Financial Administration Services
3. Allocation of the obligations
4. Financial Policy and Remuneration

\*\*\*\*\*

**PRO-FORMA LETTER OF PARTICIPATION FROM EACH PARTNER OF JOINT VENTURE (JV)**

(To be executed on non-judicial stamp paper of appropriate value in accordance with relevant Stamp Act and to be registered with appropriate authority under Registration Act.)

No....

Dated.....

From:-----

To,  
Group General Manager/Technical ,  
Room No.428, DFCCIL Corporate Office,  
Sector-145, NOIDA (Uttar Pradesh), India

Re: ..."[Insert name of work]... .."

Ref: Your NIT No..... Dated .....

1. We wish to confirm that our company/firm has formed a Joint Venture with (i)..... & ii)..... For the purposes associated with IFB referred to above.

*(Members who are not the lead partner of the JV should add the following paragraph)\*.*

2. 'The JV is led by ... whom we hereby authorize to act on our behalf for the purposes of submission of Bid for ..... and authorize to incur liabilities and receive instructions for and on behalf of any and all the partners or constituents of the Joint Venture.'

OR

*(Member(s) being the lead member of the group should add the following paragraph)\**

2. 'In this group we act as leader and, for the purposes of applying for Bid, represent the Joint Venture:

3. In the event of our JV being awarded the contract, we agree to be jointly with i) & ii) ..... (names of other members of our JV) and severally liable to the Dedicated Freight Corridor Corporation of India Limited, its successors and assigns for all obligations, duties and responsibilities arising from or imposed by the contract subsequently entered into between Dedicated Freight Corridor Corporation of India Limited and our JV.

4. **\*I/We, further agree that entire execution of the contract shall be carried out exclusively through the lead partner.**

Yours faithfully,  
(Signature)  
(Name of Signatory).....  
(Capacity of Signatory).....

**Company Seal** \* Delete as applicable

**Note:** In case of existing joint venture, the certified copy of JV Agreement may be furnished.



**Form - 13**

**FORMAT FOR POWER OF ATTORNEY FOR AUTHORISED SIGNATORY  
OF JOINT VENTURE (JV) PARTNERS**

**POWER OF ATTORNEY\***

*(To be executed on non-judicial stamp paper of the appropriate value in accordance with relevant stamp Act. The stamp paper to be in the name of the company who is issuing the power of Attorney)*

Know all men by these presents, we ... do hereby constitute, appoint and authorize Mr/Ms .... who is presently employed with us and holding the position of .....as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our bid for the work of.....  
Including signing and submission of all documents and providing information / responses to Dedicated Freight Corridor Corporation of India Limited, representing us in all matters, dealing with Dedicated Freight Corridor Corporation of India Limited in all matters in connection with our bid for the said project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Dated this the ..... day of .....2025.

**(Signature of authorized Signatory)**

**Signature of Lead Partner**

**Signature of JV Partner(s)**

.....

.....

**(Signature and Name in Block letters of Signatory)**

**Seal of Company**

**Witness**

Witness 1:

Name:

Address:

Occupation:

Witness 2:

Name:

Address:

Occupation:

*\*Notes:*

- i) To be executed by all the partners jointly, in case of a Joint Venture.

**Form -14**

**FORMAT FOR POWER OF ATTORNEY TO  
LEAD PARTNER OF JOINT VENTURE (JV)**

*(To be executed on non-judicial stamp paper of the appropriate value in  
accordance with relevant stamp Act. The stamp paper to be in the name of the  
company who is issuing the power of Attorney)*

**POWER OF ATTORNEY\***

Whereas Dedicated Freight Corridor Corporation of India Limited has invited Bids for the Operation & Maintenance of DFCCIL's RGM Formation and RIV Machine including supply of spares and other items for 12 Years with in DFCCIL Network

Whereas, the members of the Joint Venture comprising of M/s. ...., M/s. ...., M/s....., and M/s. .... are interested in submission of bid for the work of ...*[Insert name of work]*... in accordance with the terms and conditions contained in the bidding documents.

Whereas, it is necessary for the members of the Joint Venture to designate one of them as the Lead Partner, with all necessary power and authority to do, for and on behalf of the Joint Venture, all acts, deeds and things as may be necessary in connection with the Joint Venture's bid for the project, as may be necessary in connection the Joint Venture's bid for the project.

NOW THIS POWER OF ATTORNEY WITNESSETH THAT:

We, M/s. ...., hereby designate M/s. ...., being one of the partners of the Joint Venture, as the lead partner of the Joint Venture, to do on behalf of the Joint Venture, all or any of the acts, deeds or things necessary or incidental to the Joint Venture's bid for the contract, including submission of bid, participating in conferences, responding to queries, submission of information/ documents and generally to represent the Joint Venture in all its dealings with the Railway / DFCCIL or any other Government Agency or any person, in connection with the Bid/contract for the said work until culmination of the process of bidding till the contract agreement if successful, is entered into with the Dedicated Freight Corridor Corporation of India Limited and thereafter till the expiry of the contract agreement.

*\*To be executed by all the members of the JV except the lead member.*

*The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.*

We hereby agree to ratify all acts, deeds and things lawfully done by lead member, our said

attorney, pursuant to this power of attorney and that all acts deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us/ Joint Venture.

Dated this the ..... Day of..... 2023

..... (Signature)

..... (Name in  
Block letters of Executants) Seal of Company

<b>Witness 1</b>	
Name:	
Address:	
Occupation:	
<b>Witness 2</b>	
Name:	
Address:	
Occupation:	

**PRE CONTRACT INTEGRITY PACT**

**General**

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on----- day of the month of----- 2025, between, on one hand, the DFCCIL acting through Shri ----- Designation of the officer, (hereinafter called the CLIENT, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s----- represented by Shri -----Chief Executive Officer (hereinafter called the "BIDDER/SELLER" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second part.

WHEREAS the CLIENT proposes to procure (Name of the Stores/Equipment/Item, Name of the Consultancy Service, Name of Works Contract, Name of Services) and the [A] is willing to Offer/has offered for stores or works.

WHEREAS the [A] is a private company/ public company/ Government undertaking/ partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the CLIENT is a PSU performing its functions or behalf of the President of India.

NOW, THEREFOR,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

Enabling the CLIENT to obtain the desired said (Name of the Stores/Equipment/Item, Name of the Consultancy Service, Name of Works Contract, Name of Services) at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortional impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure [B] by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the CLIENT will commit to prevent corruption, in any form, by its Officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

**Commitments of the CLIENT**

- 1.0 The CLIENT undertakes that no official of the CLIENT, connected directly or indirectly with the [B], will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the [A] either for themselves or for any person, organization or third party related to the [B], in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the [B].

- 1.1 The CLIENT will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular [A] in comparison to other BIDDERS.
- 1.2 All the officials of the CLIENT will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
2. In case any such preceding misconduct on the part of such official(s) is reported by the [A] to the CLIENT with full, and verifiable facts and the same is prima facie found to be correct by the CLIENT, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the CLIENT and such a person shall be debarred from further dealings related to the [B] process. In such [B] a case while an enquiry is being conducted by the CLIENT the proceedings under the [B] would not be stalled.

#### Commitments of BIDDERS

3. The [A] commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage) in order to secure the [B] contract or in furtherance to secure it and in particular commit itself to the following:-
  - 3.1 The [A] will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission fees, brokerage or inducement to any official of the CLIENT, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the [B] in exchange for any advantage in the bidding, evaluation, contracting and implementation of the [B].
  - 3.2 The [A] further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any Material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the CLIENT or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the [B] or any other [B] with the Government for showing or forbearing to show favour or disfavour to any person in relation to the [B] or any other [B] with the Government.
  - 3.3 \* [A] shall disclose the name and address of agents and representatives and Indian [A] shall disclose their foreign principals or associates.

- 34 \* [A] shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 35 The [A] further confirms and declares to the CLIENT that the [A] is the original manufacturer/ integrator/ authorized government sponsored export entity of the defense stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the CLIENT or any of its functionaries, whether officially or unofficially to the award of the [B] to the [A] nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 36 The [A] either while presenting the bid or during pre-contract negotiations or before signing the [B] shall disclose any payments he has made, is committed to or intends to make to officials of the CLIENT or their family members, agents, brokers or any other intermediaries in connection with the [B] and the details of services agreed upon for such payments.
- 37 The [A] will not collude with other parties interested in the [B] to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the [B].
- 38 The [A] will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 39 The [A] shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the CLIENT as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The [A] also undertakes to exercise due and adequate care lest any such information is divulged.
- 3.10 The [A] commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.11 The [A] shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.12 If the, [A] or any employee of the [A] or any person acting on behalf of the [A], either directly or Indirectly, is a relative of any of the officers of the CLIENT, or alternatively, if any relative of an officer of the CLIENT has financial.

Interest/stake in the Bidder's firm, the same shall be disclosed by the [A] at the time of filling of tender.

The term 'relative' for this purpose would be as defined in section 6 of the companies' act 1956.

3.13 The [A] shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the CLIENT.

4. Previous Transaction

4.1 The [A] declares that no previous transgression occurred in the last three years immediately before signing of this integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any public sector enterprise in India or any Government department in India that could justify BIDDER's from the tender process.

4.2 The [A] agrees that if it makes incorrect statement on this subject, [A] can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Bid Security

5.1 While submitting commercial bid, the [A] shall deposit an amount \_\_\_ (to be specified in RFP) as Bid Security, with the CLIENT through any of the following instruments:-

- i. Bank draft or a pay order in favour of \_\_\_\_\_.
- ii. A confirmed guarantee by an Indian nationalized bank, promising payment of the guaranteed sum to the CLIENT on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the CLIENT shall be treated as conclusive proof or payment.
- iii. Any other mode or through any other instrument (to be specified in the RFP).

5.2 The Bid Security shall be valid up to a period of five years or the contractual obligations to the complete satisfaction of both the BIDDER and the CLIENT, including warranty period, whichever is later.

5.3 In case of the successful [A] a clause would also be incorporated in the article pertaining to performance Guarantee in the [B] that the provisions of sanctions for violation shall be applicable for forfeiture of performance bond in case of a decision by client to forfeit the same without assigning any reason for imposing sanction for violation of this pact.

5.4 No interest shall be payable by CLIENT to the [A] on Bid Security for the period of its currency.

6. Sanctions for Violations
- 6.1 Any breach of the aforesaid provisions by the [A] or any one employed by it or acting on its behalf (whether with or without the knowledge of the [A] shall entitle the CLIENT to take all or any one of the following actions, wherever required :-
- (i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the [A]. However, the proceedings with the other BIDDER(s) would continue.
  - (ii) The Bid Security (in pre-contract stage) and/or performance Bond (after the [B] is signed) shall stand forfeited fully and the CLIENT shall not be required to assign any reason therefore.
  - (iii) To immediately cancel the [B], if already signed, without giving any compensation to the [A].
  - (iv) To recover all sums already paid by the CLIENT, and in case of an Indian [A] with interest thereon at 2% higher than the prevailing prime lending rate of state bank of India, while in case of a [A] from the country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to [A] from the CLIENT in connection with any other [B], such outstanding payment could also be utilized to recover the aforesaid sum and interest.
  - (v) To encash the advance bank guarantee and performance bond, if furnished by the [A], in order to recover the payments, already made by CLIENT, along with interest.
  - (vi) To cancel all or any other contracts with the [A]. The [A] shall be liable to pay compensation for any loss or damage to the Client resulting from such cancellation/rescission and the client shall be entitled to deduct the amount so payable from the money(s) due to the [A].
  - (vii) To debar the [A] from participating in future bidding processes of the Government of India for a minimum period of five years, which may be further extended at the discretion of the CLIENT.
  - (viii) To recover all sums paid in violation of this pact by [A] to any middleman or agent or broker with a view a view to securing [B] the contract.
  - (ix) In cases where irrevocable letters of credit have been received in respect of any [B] signed by the client with the [A], The shall not be opened.
  - (x) Forfeiture of Performance Bond in case of a decision by the client to forfeit the same without assigning any reason for imposing sanction for



violation of this pact.

- 6.2 The client will entitled to take all or any of the actions mentioned at para 6.1(i) to (x) of this pact also on the commission by the [A] or any one employed by it or acting on its behalf (whether with or without the knowledge of the [A], of an offence as defined in chapter IX of the Indian penal code, 1860 or prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- 6.3 The decision of the CLIENT to the effect that a breach of the provisions of this pact has been committed by the [A] shall be final and conclusive on the [A]. However, the [A] can approach the Independent Monitor(s) appointed for the purposes of this Pact.
7. Fall Clause
- 7.1 The [A] undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/system or sub systems way supplied by [A] to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the [A] to the CLIENT, if the [B] has already been concluded.
8. Independent Monitors
- 8.1 The CLIENT has appointed Independent Monitors (hereinafter referred to as Monitors) for this pact in consultant with the central vigilance commission (Names and addresses of the Monitors to be given)
- 8.2 The task of the Monitors shall be to review independently and objectively whether and to what extent the parties comply with the obligations under this pact.
- 8.3 The monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 8.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.
- 8.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the CLIENT
- 8.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the CLIENT including that provided by the BIDOER. The [A] will also grant the Monitor, upon his request and demonstration of a valid Interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be und 'contractual obligation to treat the information and documents of the [A] with confidentiality.
- 8.7 The client will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

8.8 The monitor will submit a written report to the MD/DFCCIL within 8 to 10 weeks from the date of reference or intimation to him by the CLIENT/BIDDER and, should the occasion arise, submit proposal for correcting problematic situations.

**9. Facilitation of Investigation**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the CLIENT or its agencies shall be entitled to examine all the documents including the Books of Accounts of the [A] and the [A] shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

9.1 Law and Place of Jurisdiction: This pact is subject to Indian law. The place of performance and jurisdiction is the seat of the CLIENT.

**10. Other Legal Actions**

The actions stipulated in this integrity pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

11. The validity of this integrity pact shall be from date of its signing and extend up to 5 years or the complete execution of the [B] to the satisfaction of both the CLIENT and the [A] including warranty period, whichever is later. In case [A] is unsuccessful, this integrity pact shall expire after six months from the date of the signing of the [B].

12. Should one or several provisions of this pact turn out to be invalid; the remainder of this pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this integrity pact at ..... On .....

CLIENT  
Name of the Officer  
Designation  
Deptt./Ministry/PSU

BIDDER  
CHIEF EXECUCTIVE OFFICER

Witness  
1. \_\_\_\_\_  
2. \_\_\_\_\_

Witness  
1. \_\_\_\_\_  
2. \_\_\_\_\_

**Note:**

[A] - To be replaced by BIDDER/Seller/Consultant/Consultancy firm/Service provider as the case was may be.

[B] - To be replaced by Contract/Supply Contract/Consultancy Contract/Works Contract as the case was may be.

**ANTI-PROFITEERING DECLARATION**

**TO WHOMSOEVER IT MAY CONCERN**

I .....age ....., years, Son/Daughter of ....., resident of..... Do solemnly affirm and state as under:

- 1) That I am the \_\_\_\_\_ <Designation of the authorized signatory> of .....  
And I am duly authorized to furnish this undertaking/declaration on behalf of ..... (Name of the company).
- 2) That ..... (Name of the company) has been awarded the work ..... (Name of Work) vide Letter of Award number ..... Dated ..... by M/s Dedicated Freight Corridor Corporation of India Limited.
- 3) That the Company is fully aware of the anti-profiteering provision under the Goods & Services Tax ("GST") Law(s),
- 4) That the Company ..... Has passed the benefit of input tax credit available on the ..... (good/services) having HSN ..... supplied to M/s Dedicated Freight Corridor Corporation of India Limited which it is getting on account of reduced tax liability and input tax credit because of enactment of GST Laws after introduction of Goods and Service Tax w.e.f. 1<sup>st</sup> July, 2017. The details and amounts being passed on to DFCCIL are provided in Annexure.....Of this document and are as per applicable GST Laws. These are true and correct to the best of my knowledge, information and belief.
- 5) Further, it is to confirm also that in case..... (name of the organization) will receive any further benefit in future after 1<sup>st</sup> July, 2017 by way of ailment of input tax credits which were not allowed to be availed before 1<sup>st</sup> July, 2017 or reduction in tax rates or in any other manner which results in reduction of cost of the goods/services supplied to M/s Dedicated Freight Corridor Corporation of India Limited, then Company will pass that benefit to M/s Dedicated Freight Corridor Corporation of India Limited also.
- 6) That I declare that the foregoing is true and correct and the same is a legal obligation and failure to fulfil it could result in penalties under the law.

- 7) I confirm that I am aware of the implication of the above undertaking and our liability on account of incorrect/misleading declaration under the GST Laws.

Signature of the Authorized signatory/ person

Name and Designation of the Auth. Sign/person of the person

Name of the Organization and Seal

Executed on a non-judicial stamp paper of Rs.100/- duly notarized by notary public

Form - 17

**FORMAT FOR CERTIFICATE TO BE SUBMITTED / UPLOADED BY TENDERER  
ALONGWITH THE TENDER DOCUMENTS**

I (Name and designation)\*\* appointed as the attorney/authorized signatory of the tenderer (including its constituents), M/s.....( hereinafter called the tenderer) for the purpose of the Tender documents for the work of..... as per the

tender No..... of..... (DFCCIL)\*\*, do hereby solemnly affirm and state on the behalf of the tenderer including its constituents as under:

1. I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2. I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3. I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website [www.ireps.gov.in](http://www.ireps.gov.in). I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the DFCCIL Administration shall be final and binding upon me/us.
4. I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5. I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6. I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7. I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8. I/we understand that if the contents of the affidavit submitted by us are found to be forged/false or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security besides banning of business for a period of upto five year. Further, I/we (*insert name of the tenderer*) \*\* \_\_\_\_\_ and all my/our constituents understand that my/our offer shall be summarily rejected.
9. I/we also understand that if the contents of the affidavit submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security and Performance guarantee besides any other action provided in the contract including banning of business for a period of upto five year.

---

Signature of tenderer (s)  
With seal

10. I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

Place:

SEAL AND SIGNATURE  
OF THE TENDERER

Date:

\*\* The contents in Italics are only for guidance purpose. Details as appropriate are to be filled in suitably by tenderer.

**Form17 A**

**FORMAT FOR CERTIFICATE TO BE SUBMITTED / UPLOADED BY TENDERER**

*(This certificate is to be given by attorney/authorized signatory/each member of Partnership firm/  
Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.)*

I/We.....(Name), attorney/authorized signatory of the ..... (constituent firm/constituent partner) and member/partner of the .....(tendering firm) hereby solemnly affirm and state as under:

1. I/we certify that ..... (constituent firm/constituent partner) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
2. I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed),

SEAL AND SIGNATURE  
OF THE CONSTITUENT FIRM/CONSTITUENT PARTNER

Place:

Dated:

**Form-18 (MII)**

No. P-45021/2/2017-PP (BE-II)  
Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
(Public Procurement Section)

Udyog Bhawan, New Delhi  
Dated: 16<sup>th</sup> September, 2020

To

All Central Ministries/Departments/CPSUs/All concerned

**ORDER**

**Subject: Public Procurement (Preference to Make in India), Order 2017– Revision; regarding.**

Department for Promotion of Industry and Internal Trade, in partial modification [Paras 2, 3, 5, 10 & 13] of Order No.P-45021/2/2017-B.E.-II dated 15.6.2017 as amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, Order No.P-45021/2/2017-B.E.-II dated 29.05.2019 and Order No.P-45021/2/2017-B.E.-II dated 04.06.2020, hereby issues the revised 'Public Procurement (Preference to Make in India), Order 2017' dated 16.09.2020 effective with immediate effect.

**Whereas** it is the policy of the Government of India to encourage 'Make in India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, and

**Whereas** procurement by the Government is substantial in amount and can contribute towards this policy objective, and

**Whereas** local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them,

**Now therefore the following Order is issued:**

1. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.
2. **Definitions:** For the purposes of this Order:

*'Local content'* means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*'Class-I local supplier'* means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-I local supplier' under this Order.

.....Contd. p/2



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'Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-II local supplier' but less than that prescribed for 'Class-I local supplier' under this Order.

'Non - Local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than that prescribed for 'Class-II local supplier' under this Order.

'L1' means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

'Margin of purchase preference' means the maximum extent to which the price quoted by a "Class-I local supplier" may be above the L1 for the purpose of purchase preference.

'Nodal Ministry' means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services or works.

'Procuring entity' means a Ministry or department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.

'Works' means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'.

**3. Eligibility of 'Class-I local supplier' / 'Class-II local supplier' / 'Non-local suppliers' for different types of procurement**

(a) In procurement of all goods, services or works in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', as defined under the Order, shall be eligible to bid irrespective of purchase value.

(b) Only 'Class-I local supplier' and 'Class-II local supplier', as defined under the Order, shall be eligible to bid in procurements undertaken by procuring entities, except when Global tender enquiry has been issued. In global tender enquiries, 'Non-local suppliers' shall also be eligible to bid along with 'Class-I local suppliers' and 'Class-II local suppliers'. In procurement of all goods, services or works, not covered by sub-para 3(a) above, and with estimated value of purchases less than Rs. 200 Crore, in accordance with Rule 161(iv) of GFR, 2017, Global tender enquiry shall not be issued except with the approval of competent authority as designated by Department of Expenditure.

(c) For the purpose of this Order, works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

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### 3A. Purchase Preference

(a) Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to 'Class-I local supplier' in procurements undertaken by procuring entities in the manner specified here under.

(b) In the procurements of goods or works, which are covered by para 3(b) above and which are divisible in nature, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
- ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.

(c) In the procurements of goods or works, which are covered by para 3(b) above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
- ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
- iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.

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(d) "Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.

**3B. Applicability in tenders where contract is to be awarded to multiple bidders -**  
In tenders where contract is awarded to multiple bidders subject to matching of L1 rates or otherwise, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

- a) In case there is sufficient local capacity and competition for the item to be procured, as notified by the nodal Ministry, only Class I local suppliers shall be eligible to bid. As such, the multiple suppliers, who would be awarded the contract, should be all and only 'Class I Local suppliers'.
  - b) In other cases, 'Class II local suppliers' and 'Non local suppliers' may also participate in the bidding process along with 'Class I Local suppliers' as per provisions of this Order.
  - c) If 'Class I Local suppliers' qualify for award of contract for at least 50% of the tendered quantity in any tender, the contract may be awarded to all the qualified bidders as per award criteria stipulated in the bid documents. However, in case 'Class I Local suppliers' do not qualify for award of contract for at least 50% of the tendered quantity, purchase preference should be given to the 'Class I local supplier' over 'Class II local suppliers' / 'Non local suppliers' provided that their quoted rate falls within 20% margin of purchase preference of the highest quoted bidder considered for award of contract so as to ensure that the 'Class I Local suppliers' taken in totality are considered for award of contract for at least 50% of the tendered quantity.
  - d) First purchase preference has to be given to the lowest quoting 'Class-I local supplier', whose quoted rates fall within 20% margin of purchase preference, subject to its meeting the prescribed criteria for award of contract as also the constraint of maximum quantity that can be sourced from any single supplier. If the lowest quoting 'Class-I local supplier', does not qualify for purchase preference because of aforesaid constraints or does not accept the offered quantity, an opportunity may be given to next higher 'Class-I local supplier', falling within 20% margin of purchase preference, and so on.
  - e) To avoid any ambiguity during bid evaluation process, the procuring entities may stipulate its own tender specific criteria for award of contract amongst different bidders including the procedure for purchase preference to 'Class-I local supplier' within the broad policy guidelines stipulated in sub-paras above.
4. **Exemption of small purchases:** Notwithstanding anything contained in paragraph 3, procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.
5. **Minimum local content:** The 'local content' requirement to categorize a supplier as 'Class-I local supplier' is minimum 50%. For 'Class-II local supplier', the 'local content' requirement is minimum 20%. Nodal Ministry/ Department may prescribe only a higher

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percentage of minimum local content requirement to categorize a supplier as 'Class-I local supplier'/'Class-II local supplier'. For the items, for which Nodal Ministry/ Department has not prescribed higher minimum local content notification under the Order, it shall be 50% and 20% for 'Class-I local supplier'/'Class-II local supplier' respectively.

6. **Margin of Purchase Preference:** The margin of purchase preference shall be 20%.
7. **Requirement for specification in advance:** The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.
8. **Government E-marketplace:** In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.
9. **Verification of local content:**
  - a. The 'Class-I local supplier'/'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier'/'Class-II local supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.
  - b. In cases of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier'/'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
  - c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.
  - d. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.
  - e. Nodal Ministries and procuring entities may prescribe fees for such complaints.
  - f. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

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- g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under paragraph 9h below.
- h. The Department of Expenditure shall issue suitable instructions for the effective and smooth operation of this process, so that:
- i. The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;
  - ii. on a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);
  - iii. in respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurements are not disrupted.

**10. Specifications in Tenders and other procurement solicitations:**

- a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.
- b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of 'Class-I local supplier' / 'Class-II local supplier' who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.
- c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.

**d. Reciprocity Clause**

- i. When a Nodal Ministry/Department identifies that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, due to restrictive tender conditions which have direct or indirect effect of barring Indian companies such as registration in the procuring country, execution of projects of specific value in the procuring country etc., it shall provide such details to all its procuring entities including CMDs/CEOs of PSEs/PSUs, State Governments and other procurement agencies under their administrative control and GeM for appropriate reciprocal action.

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- ii. Entities of countries which have been identified by the nodal Ministry/Department as not allowing Indian companies to participate in their Government procurement for any item related to that nodal Ministry shall not be allowed to participate in Government procurement in India for all items related to that nodal Ministry/ Department, except for the list of items published by the Ministry/ Department permitting their participation.
  - iii. The stipulation in (ii) above shall be part of all tenders invited by the Central Government procuring entities stated in (i) above. All purchases on GeM shall also necessarily have the above provisions for items identified by nodal Ministry/ Department.
  - iv. State Governments should be encouraged to incorporate similar provisions in their respective tenders.
  - v. The term 'entity' of a country shall have the same meaning as under the FDI Policy of DPIIT as amended from time to time.
- e. Specifying foreign certifications/ unreasonable technical specifications/ brands/ models in the bid document is restrictive and discriminatory practice against local suppliers. If foreign certification is required to be stipulated because of non-availability of Indian Standards and/or for any other reason, the same shall be done only after written approval of Secretary of the Department concerned or any other Authority having been designated such power by the Secretary of the Department concerned.
- f. "All administrative Ministries/Departments whose procurement exceeds Rs. 1000 Crore per annum shall notify/ update their procurement projections every year, including those of the PSEs/PSUs, for the next 5 years on their respective website."

**10A. Action for non-compliance of the Provisions of the Order:** In case restrictive or discriminatory conditions against domestic suppliers are included in bid documents, an inquiry shall be conducted by the Administrative Department undertaking the procurement (including procurement by any entity under its administrative control) to fix responsibility for the same. Thereafter, appropriate action, administrative or otherwise, shall be taken against erring officials of procurement entities under relevant provisions. Intimation on all such actions shall be sent to the Standing Committee.

**11. Assessment of supply base by Nodal Ministries** The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing the higher minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.

**12. Increase in minimum local content:** The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.

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**13. Manufacture under license/ technology collaboration agreements with phased indigenization:** While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.

13A. In procurement of all goods, services or works in respect of which there is substantial quantity of public procurement and for which the nodal ministry has not notified that there is sufficient local capacity and local competition, the concerned nodal ministry shall notify an upper threshold value of procurement beyond which foreign companies shall enter into a joint venture with an Indian company to participate in the tender. Procuring entities, while procuring such items beyond the notified threshold value, shall prescribe in their respective tenders that foreign companies may enter into a joint venture with an Indian company to participate in the tender. The procuring Ministries/Departments shall also make special provisions for exempting such joint ventures from meeting the stipulated minimum local content requirement, which shall be increased in a phased manner.

**14. Powers to grant exemption and to reduce minimum local content:** The administrative Department undertaking the procurement (including procurement by any entity under its administrative control), with the approval of their Minister-in-charge, may by written order, for reasons to be recorded in writing,

- a. reduce the minimum local content below the prescribed level; or
- b. reduce the margin of purchase preference below 20%; or
- c. exempt any particular item or supplying entities from the operation of this Order or any part of the Order.

A copy of every such order shall be provided to the Standing Committee and concerned Nodal Ministry / Department. The Nodal Ministry / Department concerned will continue to have the power to vary its notification on Minimum Local Content.

**15. Directions to Government companies:** In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.

**16. Standing Committee:** A standing committee is hereby constituted with the following membership:

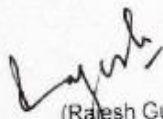
Secretary, Department for Promotion of Industry and Internal Trade—Chairman  
Secretary, Commerce—Member  
Secretary, Ministry of Electronics and Information Technology—Member  
Joint Secretary (Public Procurement), Department of Expenditure—Member  
Joint Secretary (DPIIT)—Member-Convenor

.....Contd. p/9

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The Secretary of the Department concerned with a particular item shall be a member in respect of issues relating to such item. The Chairman of the Committee may co-opt technical experts as relevant to any issue or class of issues under its consideration.

17. **Functions of the Standing Committee:** The Standing Committee shall meet as often as necessary, but not less than once in six months. The Committee
- shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.
  - shall annually assess and periodically monitor compliance with this Order
  - shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content
  - may require furnishing of details or returns regarding compliance with this Order and related matters
  - may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures
  - may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization
  - may consider any other issue relating to this Order which may arise.
18. **Removal of difficulties:** Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.
19. **Ministries having existing policies:** Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1<sup>st</sup> January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.
20. **Transitional provision:** This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

  
(Rajesh Gupta)  
Director  
Tel: 23063211  
[rajesh.gupta66@gov.in](mailto:rajesh.gupta66@gov.in)



**Form-19**

**Check List of Documents to Be Uploaded by the Bidder for Responsiveness of Bid**

(refer clause No. 1.3.24 (d) vi of ITT)

**Self-Declaration by the bidder**

I/We fulfill the laid down Qualifying requirements as per this RFP. And I/We hereby submit following check list and documents in support of our bid responsiveness:

<b>SN</b>	<b>Item</b>	<b>Remarks</b>
1	Have you submitted Covering Letter for offer as per <b>Form-1</b>	Yes/No
2	Have you furnished Details asked in <b>Form 2 including Form 2A, MPD, TSL1, MOU1, MOU2, 2B and 2C</b>	Yes/No
3	Have you quoted Bid price online and uploaded details of Form – 3B and Form -3C in the prescribed proforma on IRPES in Financial Bid packet?	Yes/No
4	Have you uploaded the Details asked in <b>Form – 3A</b> uploaded on IREPS in Technical Bid packet?	Yes/No
5	Have you submitted a Bid Security? ( <b>Form- 5/ Form- 6</b> )	Yes/No
6	Have you kept your offer valid for 120 days?	Yes/No
7	Have you kept Bid Security valid for 180 days?	Yes/No
8	Have you Submitted <b>Form 8</b>	Yes/No
9	Have you submitted Power of Attorney Format for Authorized Signatory as per <b>Form- 9 or Form-13</b>	Yes/No
10	Have you submitted Draft MOU For JV Between Parties as per <b>Form- 10</b>	Yes/No
11	Have you submitted Letter of participation from each partner of JV as per <b>Form-12</b>	Yes/No
12	Have you submitted the Integrity Pact Agreement as per <b>Form-15(IP)</b>	Yes/No
13	Have you submitted Anti Profiting Declaration in <b>Form 16</b>	Yes/No
14	Have you submitted Affidavit on Rs 100 Stamp paper as per <b>Form 17 &amp; Form 17A</b>	Yes/No
15	Have you submitted/ uploaded Certificate of local content as per MII policy enclosed as <b>Form 18 (MII)</b>	Yes/No
16	Have you submitted Affidavit on Rs 100 Stamp paper as per <b>Annexure-T6</b>	Yes/ No
17	Have you furnished the Clause-wise compliance/ Deviation comments in Format of	Yes/No
18	Have you submitted self-declaration for compliance of clause 1.3.30 of ITT on	Yes/No
19	Have you submitted various Documents as per Clause 1.3.6 of ITT.	Yes/No
20	Have you submitted Firms PAN card & GST Registration certificate	Yes/No
21	MSE Certificate	Yes/NO

**Signature & Seal of the Bidder.**

**Form – 20**

(Please see clause 2.3, 2.4 and 7.7 of Instructions to Bidders)

**PROFORMA FOR STATEMENT OF DEVIATIONS**

- 1) The following are the particulars of deviations from the requirements of the GCC -

<b>CLAUSE</b>	<b>DEVIATION</b>	<b>REMARKS</b> (Including-justifications)
---------------	------------------	--

- 2) The following are the particulars of deviations from the requirements of the Terms of Reference (TOR) -

<b>CLAUSE</b>	<b>DEVIATION</b>	<b>REMARKS</b> (Including-justifications)
---------------	------------------	--

- 3) The following are the particulars of deviations from the requirements of the SCC -

<b>CLAUSE</b>	<b>DEVIATION</b>	<b>REMARKS</b> (Including-justifications)
---------------	------------------	--

- 4) The following are the particulars of deviations from the requirements of the O & M provisions of RGM Formation -

<b>CLAUSE</b>	<b>DEVIATION</b>	<b>REMARKS</b> (Including-justifications)
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- 5) The following are the particulars of deviations from the requirements of the O & M provisions of RIV -

<b>CLAUSE</b>	<b>DEVIATION</b>	<b>REMARKS</b> (Including-justifications)
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**(Name and Signature of Bidder)**

**Note:-** Where there is no deviation the statement should be returned duly signed with an endorsement indicating "No Deviations".

Form - 21

**SAMPLE  
CONTRACT AGREEMENT**

THIS AGREEMENT ("Agreement") is made at ----- on the \_\_\_ day of \_\_\_\_\_ BETWEEN

(1) Dedicated Freight Corridor Corporation of India Limited, incorporated under the laws of India and having its principal place of business at, Office of ----- **India** (hereinafter called "**the Employer**"),

And

(2) -----, a company / corporation / JV incorporated under the laws of -----having its principal place of business at -----  
----  
(hereinafter called "**the Contractor**").

WHEREAS in reference to a call for Tender for [ Name of Work] as per [ Tender Notice No. ] at Annexure "A" here to, the Contractor has submitted a Tender hereto and whereas the said Tender of the contractor has been accepted for [ **Name of Work**]

As per copy of the Letter of Acceptance of Tender No----- dated ---- complete with enclosure at the accepted rates and at an estimated contract value of Rs.\_\_\_\_\_(Rupees----- only). Now the agreement with witness to that in consideration of the premises and the payment to be made by the Employer to the Contractor provided for herein below the Contractor shall supply all equipment's and materials and execute and perform all works for which the said Tender of the Contractor has been accepted, strictly according to the various provisions in Annexure 'A' and 'B' hereto and upon such supply, execution and performance to the satisfaction of the Purchaser, the Purchaser shall pay to the contractor at the several rates accepted as per the said Annexure 'B' and in terms of the provisions therein.

IN WITNESS WHEREOF the parties here to have caused their respective Common Seals to be hereunto affixed/ (or have hereunto set their respective hands and seals) the day and year first above written.

For and on behalf of the Contractor

For and on behalf of the Employer

Signature of the authorized official  
official Name of the official

Signature of the authorized  
Name of the official

Stamp/seal of the Contractor

Stamp/Seal of the Employer

**SIGNED, SEALED AND DELIVERED**

By the said  
\_\_\_\_\_Name

by the said  
\_\_\_\_\_Name

On behalf of the Contractor in the  
of: \_\_\_\_\_

Witness \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

on behalf of the Employer in the presence  
presence of: \_\_\_\_\_

Witness \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Enclosures:-

1. Annexure 'A' - Tender Papers No.
2. Annexure 'B' - Letter of Acceptance of Tender No. \_\_\_\_\_ Dated \_\_\_\_\_
3. Along with Summary of Prices

**Form - 22**  
Registered Acknowledgement Due

**PROFORMA FOR TIME EXTENSION**

No. \_\_\_\_\_

Dated: \_\_\_\_\_

Sub: (i) \_\_\_\_\_ (name of work).  
(ii) Acceptance letter no. \_\_\_\_\_  
(iii) Understanding/Agreement no. \_\_\_\_\_

Ref: \_\_\_\_\_ (Quote specific application of Contractor  
for extension to the date received) \_\_\_\_\_

Dear Sir,

1. The stipulated date for completion of the work mentioned above is \_\_\_\_\_. From the progress made so far and the present rate of progress, it is unlikely that the work will be completed by the above date (or 'However, the work was not completed on this date').
2. Expecting that you may be able to complete the work, if some more time is given, the competent authority, although not bound to do so, hereby extends the time for completion from \_\_\_\_\_ to \_\_\_\_\_.
3. Please note that an amount equal to the liquidated damages for delay in the completion of the work after the expiry of \_\_\_\_\_ (give here the stipulated date for completion with/without any penalty fixed earlier) will be recovered from you as mentioned in Clause, 17-B of the Standard General Conditions of Contract for the extended period, notwithstanding the grant of this extension. You may proceed with the work accordingly.
4. The above extension of the completion date will also be subject to the further condition that no increase in rates on any account will be payable to you.
5. Please intimate within a week of the receipt of this letter your acceptance of the extension of the conditions stated above.
6. Please note that in the event of your declining to accept the extension on the above said conditions or in the event of your failure after accepting or acting up to this extension to complete the work by \_\_\_\_\_ (here mention the extended date), further action will be taken in terms of Clause 62 of the Standard General Conditions of Contract.

Yours faithfully

For and on behalf of the Employer

Name of the Official:-  
Stamp/Seal of the Employer

**CERTIFICATE OF FITNESS**

1. (a) Serial Number \_\_\_\_\_  
(b) Date \_\_\_\_\_
  
2. Name of person examined \_\_\_\_\_  
I certify that I have personally examined (*name*) \_\_\_\_\_
  
3. Father's Name: son/daughter of \_\_\_\_\_,  
residing at \_\_\_\_\_
  
4. Sex \_\_\_\_\_
  
5. Residence: \_\_\_\_\_
  
6. Date of birth, if available, and/or certified age \_\_\_\_\_
  
7. Physical fitness \_\_\_\_\_
  
8. Identification marks \_\_\_\_\_  
\_\_\_\_\_
  
9. Reasons for:  
  
(a) refusal to grant certificate, or \_\_\_\_\_  
(b) Revoking the Certificate \_\_\_\_\_

Who is desirous of being employed in a factory or on a work requiring manual labour and that his / her age as nearly as can be ascertained from my examination, is \_\_\_\_\_ years and that he/she is fit for employment in a factory or on a work requiring manual labour as an adult/child.

\_\_\_\_\_  
Signature or Left Hand  
Thumb Impression of the  
Person Examined

\_\_\_\_\_  
Signature of Certifying Surgeon

**Note:** In case of physical disability, the exact details of the cause of the physical disability should be clearly stated

**Form - 24**  
Registered Acknowledgement Due

**PROFORMA OF 7 DAYS NOTICE**  
(Without Prejudice)

To  
M/s \_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

Contract Agreement No. \_\_\_\_\_  
In connection with \_\_\_\_\_

1. In spite of repeated instructions to you by the subordinate offices as well as by this office in various letters of even no. \_\_\_\_\_, dated \_\_\_\_\_; you have failed to start work/show adequate progress and/or submit detailed program me for completing the work.
2. Your attention is invited to this office/Chief Engineer's office letter no. \_\_\_\_\_, dated \_\_\_\_\_ in reference to your representation, dated \_\_\_\_\_.
3. As you have failed to abide by the instructions issued to commence the work/to show adequate progress of work you are hereby given 7 days' notice in accordance with Clause 62 of Standard General Conditions of Contract to commence works / to make good the progress, failing which further action as provided in Clause 62 of the Standard General Conditions of Contract viz. to terminate your Contract and complete the balance work without your participation will be taken.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the  
Employer Name of the  
Official:- Stamp/Seal of the  
Employer

**Form - 25**  
Registered Acknowledgement Due

**PROFORMA OF 48 HRS. NOTICE**  
(Without Prejudice)

To

M/s \_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

Contract Agreement No. \_\_\_\_\_  
In connection with \_\_\_\_\_

1. Seven days' notice under Clause 62 of Standard General Conditions of Contract was given to you under this office letter of even no., dated \_\_\_\_\_; but you have taken no action to commence the work/show adequate progress of the work.
2. You are hereby given 48 hours' notice in terms of Clause 62 of Standard General Conditions of Contract to commence works / to make good the progress of works, failing which and on expiry of this period your above contract will stand rescinded and the work under this contract will be carried out independently without your participation and your Performance Guarantee shall also be encased and consequences which may please be noted.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the Employer  
Name of the Official:-  
Stamp/Seal of the Employer



**Form - 26**  
Registered Acknowledgement Due

**PROFORMA OF TERMINATION NOTICE**  
(Without Prejudice)

No. \_\_\_\_\_ Dated \_\_\_\_\_

To  
M/s \_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

Contract Agreement No. \_\_\_\_\_  
In connection with \_\_\_\_\_

Forty eight hours (48 hrs.) notice was given to you under this office letter of even no. Dated \_\_\_\_\_ but you have taken no action to commence the work /show adequate progress of the work.

Since the period of 48 hours' notice has already expired, the above contract stands rescinded in terms of Clause 62 of Standard General Conditions of Contract and the balance work under this contract will be carried out independently without your participation. Your participation as well as participation of every member/partner in any manner as an individual or a partnership firm/JV is hereby debarred from participation in the tender for executing the balance work and your Performance Guarantee shall also be encased.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the Employer  
Name of the Official:-  
Stamp/Seal of the Employer

**Form - 27**

**FINAL SUPPLEMENTARY AGREEMENT**

1. Articles of agreement made this day \_ in the year between the President of India, acting through the Railway Administration having his office at \_ here in after called the Railway of the one part and of the second part.
2. Whereas the party hereto of the second part executed an agreement with the party hereto of the first part being agreement Number \_\_\_\_\_ dated for the performance \_\_\_\_\_ herein after called the 'Principal Agreement'.
3. And whereas it was agreed by and between the parties hereto that the works would be completed by the party here to of the second part on \_date last extended and whereas the party hereto of the second part has executed the work to the entire satisfaction of the party hereto of the first part.
4. And whereas the party hereto of the first part already made payment to the party hereto of the second part diverse sums from time to time aggregating to Rs \_\_\_\_\_ including the Final Bill bearing voucher No. \_\_\_\_\_ dated \_\_\_\_\_ of value \_\_\_\_\_ duly

adjusted as per price variation clause, if applicable (the receipt of which is hereby acknowledged by the party hereto of the second part in full and final settlement of all his /its claims under the principal agreement.

And whereas the party hereto of the second part have received sum of Rs. \_\_\_\_\_ through the Final Bill bearing voucher No. \_\_\_\_\_ dated \_\_\_\_\_ duly adjusted as per price variation clause (PVC), if applicable (the receipt of which is hereby acknowledged by the party thereto of the second part) from the party hereto of the first part in full and final settlement of all his/its disputed claims under principal agreement.

Now, it is hereby agreed by and between the parties in the consideration of sums already paid by the party hereto of the first part to the party hereto of the second part against all outstanding dues and claims for all works done under the aforesaid principal agreement, the party hereto of the second part have no further dues of claims against the party hereto of the first part under the said Principal Agreement. It is further agreed by and between the parties that the party hereto of the second part has accepted the said sums mentioned above in full and final satisfaction of all its dues and claims under the said Principal Agreement.

(Applicable in case Final Supplementary Agreement is signed after release of Final Payment)

Form - 28

**STANDING INDEMNITY BOND FOR "ON ACCOUNT" PAYMENTS**

**(On paper of requisite stamp value)**

We, M/s \_\_\_\_\_ hereby undertake that we hold at our stores Depot/s at \_\_\_\_\_ for and on behalf of the Managing Director/ DFCCIL acting in the premises through \_\_\_\_\_ the Group General Manager/Technical/ DFCCIL/Corporate Office, Sector-145, NOIDA or his successor (hereinafter referred to as "The Employer") all materials for which "On Account" payments have been made to us against the Contract for ( \_\_\_\_\_ ) on the section \_\_\_\_\_ DFCCIL also referred to as Group/s \_\_\_\_\_ vide letter of Acceptance of Tender \_\_\_\_\_ dated \_\_\_\_\_ and material handed over to us by the employer for the purpose of execution of the said contract, until such time the materials are duly erected or otherwise handed over to him.

We shall be entirely responsible for the safe custody and protection of the said materials against all risk till they are duly delivered as erected equipment to the employer or as he may direct otherwise and shall indemnify \_\_\_\_\_ the employer against any loss /damage or deterioration whatsoever in respect of the said material while in our possession and against disposal of surplus materials. The said materials shall at all times be open to inspection by any officer authorized by the Group General Manager/Technical/ DFCCIL/ Corporate Office, Sector-145, NOIDA in charge of Dedicated Freight Corridor Corporation of India Limited (Whose address will be intimated in due course).

Should any loss, damage or deterioration of materials occur or surplus material disposed off and refund becomes due, the Employer shall be entitled to recover from us the 85% of supply portion of Part IV, Chapter – II (Form - 4) to the Contract (as applicable) and also compensation for such loss or damage if any long with the amount to be refunded without prejudice to any other remedies available to him by deduction from any sum due or any sum which at any time hereafter becomes due to us under the said or any other Contract.

Dated this day.....day of..... 200

For and on behalf of  
M/s .....(Contractor)

Signature of witness  
Name of witness in Block letter.

Address.

## Annexure-I

### General Conditions of Dispute Adjudication Agreement

#### 1. Definitions

Each "Dispute Adjudication Agreement" is a tripartite agreement by and between:

- (a) the "Employer";
- (b) the "Contractor"; and
- (c) the "Member" who is defined in the Dispute Adjudication Agreement as one of the three persons who are jointly called the "DAB" (or "dispute adjudication board") and, where this is the case, the other two persons are called the "Other Members".

The Employer and the Contractor have entered (or intend to enter) into a contract, which is called the "Contract" and is defined in this Dispute Adjudication Agreement, In the Dispute Adjudication Agreement, words and expressions which are not otherwise defined shall have the meanings assigned to them in the Contract.

#### 2. General Provisions

The Dispute Adjudication Agreement shall take effect when the Employer, the Contractor and each of the Members (or Member) have respectively each signed a dispute adjudication agreement.

When the Dispute Adjudication Agreement has taken effect, the Employer and the Contractor shall each give notice to the Member accordingly. If the Member does not receive either notice within six months after entering into the Dispute Adjudication Agreement, it shall be void and ineffective.

This employment of the Member is a personal appointment. No assignment or subcontracting of the Dispute Adjudication Agreement is permitted without the prior written agreement of all the parties to it and of the Other Members (if any).

#### 3. Warranties

The Member warrants and agrees that he/she is and shall be impartial and independent of the Employer, the Contractor and the Engineer. The Member shall promptly disclose, to each of them and to the Other Members (if any), any fact or circumstance which might appear inconsistent with his/her warranty and agreement of impartiality and independence.

When appointing the Member, the Employer and the Contractor relied upon the Member's representations that he/she is:

- (a) experienced in the work which the Contractor is to carry out under the Contract,
- (b) experienced in the interpretation of contract documentation, and
- (c) fluent in the language for communications defined in the Contract.

#### 4. General Obligations of the Member

The Member shall:

- (a) have no interest financial or otherwise in the Employer, the Contractor or the Engineer, nor any financial interest in the Contract except for payment under the Dispute Adjudication Agreement;

- (b) not previously have been employed as a consultant or otherwise by the Employer, the Contractor or the Engineer, except in such circumstances as were disclosed in writing to the Employer and the Contractor before they signed the Dispute Adjudication Agreement;
- (c) have disclosed in writing to the Employer, the Contractor and the Other Members (if any), before entering into the Dispute Adjudication Agreement and to his/her best knowledge and recollection, any professional or personal relationships with any director, officer or employee of the Employer, the Contractor or the Engineer, and any previous involvement in the overall project of which the Contract forms part;
- (d) not, for the duration of the Dispute Adjudication Agreement, be employed as a consultant or otherwise by the Employer, the Contractor or the Engineer, except as may be agreed in writing by the Employer, the Contractor and the Other Members (if any);
- (e) comply with the annexed procedural rules and with Sub-Clause 63.2 of the Conditions of Contract;
- (f) not give advice to the Employer, the Contractor, the Employer's Personnel or the Contractor's Personnel concerning the conduct of the Contract, other than in accordance with the annexed procedural rules;
- (g) not while a Member enter into discussions or make any agreement with the Employer, the Contractor or the Engineer regarding employment by any of them, whether as a consultant or otherwise, after ceasing to act under the Dispute Adjudication Agreement;
- (h) ensure his/her availability for any site visit and hearings as are necessary; and
- (i) treat the details of the Contract and all the DAB's activities and hearings as private and confidential, and not publish or disclose them without the prior written consent of the Employer, the Contractor and the Other Members (if any).

5. General  
Obligations of  
the Employer  
and the  
Contractor

The Employer, the Contractor, the Employer's Personnel and the Contractor's Personnel shall not request advice from or consultation with the Member regarding the Contract, otherwise than in the normal course of the DAB's activities under the Contract and the Dispute Adjudication Agreement, and except to the extent that prior agreement is given by the Employer, the Contractor and the Other Members (if any). The Employer and the Contractor shall be responsible for compliance with this provision, by the Employer's Personnel and the Contractor's Personnel respectively.

The Employer and the Contractor undertake to each other and to the Member that the Member shall not, except as otherwise agreed in writing by the Employer, the Contractor, the Member and the Other Members (if any):

- (a) be appointed as an arbitrator in any arbitration under the Contract;
- (b) be called as a witness to give evidence concerning any dispute before arbitrator(s) appointed for any arbitration under the Contract; or
- (c) be liable for any claims for anything done or omitted in the discharge or purported discharge of the Member's functions, unless the act or omission is shown to have been in bad faith.

The Employer and the Contractor hereby jointly and severally indemnify and hold the Member harmless against and from claims from which he/she is relieved from liability under the preceding paragraph.

6. Payment      The Member shall be paid as per fee defined by DFCCIL
- (a) a daily fee shall be considered as payment in full for:
    - (i) each working day spent reading submissions, attending hearings (if any), preparing decisions, or making site visits (if any); and
    - (ii) each day or part of a day up to maximum of two days travel time in each direction for the journey (if any) between the Member's home and site or another location of a meeting with Other Members (if any) and/or the Employer and the Contractor;
  - (b) all reasonable expenses incurred in connection with the Member's duties, including the cost of secretarial services, telephone calls, courier charges, faxes and telexes, travel expenses, hotel and subsistence costs; a receipt shall be required for each item in excess of five percent of the daily fee referred to in sub-paragraph (a) of this Clause; and
  - (c) any taxes properly levied in the Country on payments made to the Member (unless a national or permanent resident of the Country) under this Clause 6.

The daily fee shall be as specified in the Dispute Adjudication Agreement.

Immediately after the Dispute Adjudication Agreement takes effect, the Member shall, before engaging in any activities under the Dispute Adjudication Agreement, submit to the Contractor, with a copy to the Employer, an invoice for (a) an advance of twenty-five (25) percent of the estimated total amount of daily fees to which he/she will be entitled and (b) an advance equal to the estimated total expenses that he/she shall incur in connection with his/her duties. Payment of such invoice shall be made by the Contractor upon his receipt of the invoice. The Member shall not be obliged to engage in activities under the Dispute Adjudication Agreement until each of the Members has been paid in full for invoices submitted under this paragraph.

Thereafter the Member shall submit to the Contractor, with a copy to the Employer, invoices for the balance of his/her daily fees and expenses, less the amounts advanced. The DAB shall not be obliged to render its decision until invoices for all daily fees and expenses of each Member for making a decision shall have been paid in full.

Unless paid earlier in accordance with the above, the Contractor shall pay each of the Member's invoices in full within 28 calendar days after receiving each invoice and shall apply to the Employer (in the Statements under the Contract) for reimbursement of one-half of the amounts of these invoices. The Employer shall then pay the Contractor in accordance with the Contract.

If the Contractor fails to pay to the Member the amount to which he/she is entitled under the Dispute Adjudication Agreement, the Employer shall pay the amount due to the Member and any other amount which may be required to maintain the operation of the DAB; and without prejudice to the Employer's rights or remedies. In addition to all other rights arising from this default, the Employer shall be entitled to reimbursement of all sums paid in excess of one-half of these payments, plus all costs of recovering these sums and financing charges calculated at the rate specified in Sub-Clause 14.8 of the Conditions of Contract.

If the Member does not receive payment of the amount due within 28 days after submitting a valid invoice, the Member may (i) suspend his/her services (without notice) until the payment is received, and/or (ii) resign his/her appointment by giving notice to the Employer and the Contractor. The notice shall take effect when received by them both. Any such notice shall be final and binding on the Employer, the Contractor and the Member.

**7. Default of the Member**

If the Member fails to comply with any obligation under Clause 4, he/she shall not be entitled to any fees or expenses hereunder and shall, without prejudice to their other rights, reimburse each of the Employer and the Contractor for any fees and expenses received by the Member and the Other Members (if any), for proceedings or decisions (if any) of the DAB which are rendered void or ineffective.

**8. Disputes**

Any dispute or claim arising out of or in connection with this Dispute Adjudication Agreement, or the breach, termination or invalidity thereof, shall be finally settled under the Rules of Arbitration of the Indian Council of Arbitration by one arbitrator appointed in accordance with these Rules of Arbitration

## Annexure-II

### PROCEDURAL RULES TO DISPUTE ADJUDICATION

- 1 The Employer and the Contractor shall furnish to the DAB one copy of all documents which the DAB may request, including Contract documents, progress reports, variation instructions, certificates and other documents pertinent to the matter in dispute. All communications between the DAB and the Employer or the Contractor shall be copied to the other Party. If the DAB comprises three persons, the Employer and the Contractor shall send copies of these requested documents and these communications to each of these persons.
- 2 The DAB shall proceed in accordance with Sub-Clause 63.2 and these Rules. Subject to the time allowed to give notice of a decision and other relevant factors, the DAB shall:
  - (a) act fairly and impartially as between the Employer and the Contractor, giving each of them a reasonable opportunity of putting his case and responding to the other's case, and
  - (b) adopt procedures suitable to the dispute, avoiding unnecessary delay or expense.
- 3 The DAB may conduct a hearing on the dispute, in which event it will decide on the date and place for the hearing and may request that written documentation and arguments from the Employer and the Contractor be presented to it prior to or at the hearing.
- 4 Except as otherwise agreed in writing by the Employer and the Contractor, the DAB shall have power to adopt an inquisitorial procedure, to refuse admission to hearings or audience at hearings to any persons other than representatives of the Employer, the Contractor and the Engineer, and to proceed in the absence of any party who the DAB is satisfied received notice of the hearing; but shall have discretion to decide whether and to what extent this power may be exercised.
- 5 The Employer and the Contractor empower the DAB, among other things, to:
  - (a) establish the procedure to be applied in deciding a dispute,
  - (b) decide upon the DAB's own jurisdiction, and as to the scope of any dispute referred to it,
  - (c) conduct any hearing as it thinks fit, not being bound by any rules or procedures other than those contained in the Contract and these Rules,
  - (d) take the initiative in ascertaining the facts and matters required for a decision,
  - (e) make use of its own specialist knowledge, if any,
  - (f) decide upon the payment of financing charges in accordance with the Contract,
  - (g) decide upon any provisional relief such as interim or conservatory measures, and
  - (h) open up, review and revise any certificate, decision, determination, instruction, opinion or valuation of the Engineer, relevant to the dispute.
- 6 The DAB shall not express any opinions during any hearing concerning the merits of any arguments advanced by the Parties. Thereafter, the DAB shall make and give its decision in accordance with Sub-Clause 63.2, or as otherwise agreed by the Employer and the Contractor in writing. If the DAB comprises three persons:
  - (a) it shall convene in private after a hearing, if any, in order to have discussions and prepare its decision;
  - (b) it shall endeavour to reach a unanimous decision: if this proves impossible, the applicable decision shall be made by a majority of the Members, who may require the minority Member to prepare a written report for submission to the Employer and the Contractor; and
  - (c) if a Member fails to attend a meeting or hearing, or to fulfil any required function, the other two Members may nevertheless proceed to make a decision, unless:
    - (i) either the Employer or the Contractor does not agree that they do so, or
    - (ii) the absent Member is the chairman and he/she instructs the other Member to not make a decision.



**DISPUTE ADJUDICATION BOARD AGREEMENT**

[for each member of a three-person DAB]

Name and details of Contract : \_\_\_\_\_  
Name and address of Employer : \_\_\_\_\_  
Name and address of Contractor : \_\_\_\_\_  
Name and address of Member : \_\_\_\_\_

Whereas the Employer and the Contractor have entered into the Contract and desire jointly to appoint the Member to act as one of the three persons who are jointly called the "DAB" [*and desire the Member to act as chairman of the DAB*] to adjudicate a dispute which has arisen in relation to \_\_\_\_\_  
\*

The Employer, Contractor and Member jointly agree as follows:

1. The conditions of this Dispute Adjudication Agreement comprise the "General Conditions of Dispute Adjudication Agreement", which is appended to the General Conditions of the "Conditions of Contract", and the following provisions. In these provisions, which include amendments and additions to the General Conditions of Dispute Adjudication Agreement, words and expressions shall have the same meanings as are assigned to them in the General Conditions of Dispute Adjudication Agreement.
2. In accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement, the Member shall be paid a fee as per DFCCIL Schedule of Fee for Adjudicators.
3. In consideration of these fees and other payments to be made by the Employer and the Contractor in accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement, the Member undertakes to serve, as described in this Dispute Adjudication Agreement, as one of the three persons who are jointly to act as the DAB.
4. The Employer and the Contractor jointly and severally undertake to pay the Member, in consideration of the carrying out of these services, in accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement.
5. This Dispute Adjudication Agreement shall be governed by the law of \_\_\_\_\_

SIGNED by: _____	SIGNED by: _____	SIGNED by: _____
for and on behalf of the Employer in the presence of	for and on behalf of the Employer in the presence of	for and on behalf of the Employer in the presence of
Witness: _____	Witness: _____	Witness: _____
Name" _____	Name" _____	Name" _____
Address: _____	Address: _____	Address: _____
Date: _____	Date: _____	

**DETAILED SAFETY MEASURES**

**(A) MEASURES TO BE ENSURED PRIOR TO START OF WORK**

- 1.1 The contractor shall not start any work without the presence of DFCCIL supervisors at site.
- 1.2 The methodology in detail for execution of the work at site shall be approved by engineering in charge of the organization executing the work and copies of the same shall be available with contractor's supervisor, DFCCIL supervisor of the section in whose jurisdiction the work falls.

**(B) PROTECTION OF TRACK DURING EMERGENCY**

1. Action to be taken when a contractor's supervisor or vehicle operator apprehends any unusual circumstances likely to infringe the track and endanger safe running of trains. At any time if a contractor's supervisor or vehicle operator observes any unusual circumstances likely to infringe the track and apprehend danger to safe running of track, he shall take immediate steps to advise a DFCCIL official of such danger and assist him in protection of track.
2. The track shall be protected as under. One person shall immediately plant a red flag (red lamp during night) at the spot and proceed with all haste in the direction of approaching train with a red flag in hand (red lamp during night) and plant a detonator on rail at a distance of 600m from the place of obstruction of BG track after which he shall further proceed for not less than 1200m from the place of obstruction from BG track and plant three detonators at 10 m apart on rails. After this he shall display the red flag (red lamp during night) at a distance of 45 m from the detonators. Attempts shall also be made to send an advice to the nearest DFCCIL/Railway station about the incident immediately.
3. Action to be taken if train is seen approaching to site of danger and there is no time to protect the track as per guidelines mentioned above. In such a case the detonators shall be planted on rails immediately at distance away from place of danger as far as possible and attention of driver of approaching train shall be invited by whistling, waving the red flag vigorously, gesticulating and shouting.
4. Action to be taken if more than one track is obstructed.
  - i. In case of single line protection as above shall be done in both the directions from place of danger.
  - ii. In case of double line or multiple lines, if other tracks are also obstructed, the protection as above shall be done for other track also.
  - iii. The protection shall be done in that direction and on that track first on which train is likely to arrive first.
  - iv. The Contractor's Supervisors, Operators and lookout men shall be properly explained about the direction of trains on running tracks.
5. Equipment required for protection of track: Minimum compliment of protection equipment i.e. 10 detonators, 4 red hand flags, 4 red hand lamps, 4 banner flags and whistles etc. shall always be kept ready at worksites for use in case of emergency. DFCCIL will arrange to provide detonators, whereas Contractor shall arrange other equipment at his own cost
6. Arrangement of lookout men and competency required for lookout man to warn labour about approaching train.
  - a. DFCCIL will provide lookout men.

- b. The lookout men shall be properly trained in warning to staff at worksite about approaching train.
- c. Only those lookout men shall be provided at site who have been issued with a competency certificate by the DFCCIL Supervisor.

**(C) SAFETY ASPECTS TO BE OBSERVED WHILE WORKING IN OHE AREA**

- 1. No electrical work close to running track shall be carried out without permission of DFCCIL representative.
- 2. A minimum distance of 2 m has to be maintained between live OHE wire and body part of worker or tools or metallic supports etc
- 3. No electric connection etc. can be tapped from OHE.
- 4. Authorized OHE staff should invariably be present when the relaying work or any major work is carried out.
- 5. Power block is correctly taken and 'permit to work' is issued.
- 6. The structure bonds, track bonds, cross bonds, longitudinal rail bonds are not disturbed and If disconnected for the work, they are reconnected properly when the work is completed.
- 7. The track level is not raised beyond the permissible limit during the work.

**(D) Dos and DONT'S FOR WORKING IN A.C. TRACTION AREA**

**DO(s)**

- 1. In case of fire on electric traction equipment or wires:
  - a. Inform Traction Power Controller (TPC).
  - b. Extinguish fire by special extinguishers (Carbon tetrachloride or carbon dioxide type), if available.
  - c. Ensure no water jet directed at the fire is used under any circumstances.
- 2. Anything unusual on traction wires or eclectic rolling stock, inform Traction Power Controller or nearest Station Master.
- 3. In any emergency speak to Traction Power controller through the nearest means of communication.
  - a) Large metallic structures such as fencing, structural steel work of platform running parallel to the track should be earthed suitably.
  - b) Any tree or branches likely to fall on live conductor or nearer than 4m from the nearest live conductor shall be cut or trimmed by concerned staff in the presence of authorized staff of OHE.
  - c) Before taking up the work on a line running parallel to 2\*25KV/25kV AC lines, the line shall be earthed on both the sides of the working party.
  - d) Ensure that distance between the two earths used for protection of working party does not exceed 1 km.

- e) Keep clear of the track and avoid contact with the rails when electric train within 250m.
- f) Special care should be taken to carry long pipes, poles or ladders so that it should not come in contact with or within 2m of live OHE.

**DON'T(s)**

- a) DO NOT approach within 2 meters (approximately 7 feet) of any traction wires or live equipment.
- b) DO NOT work on or near traction wires or any live equipment unless they are made dead, earthed, and shut down notices/permit to work obtained.
- c) DO NOT enter any switching station or remote-control center unless specially permitted.
- d) DO NOT permit unauthorized persons to operate any equipment even if it be for making it dead.
- e) DO NOT disturb any earthing or bonding or traction wires or connections to BEC (buried earth cable) or OPC (overhead protection cable).
- f) DO NOT touch a person in contact with live traction wires. Remove body only after power supply is switched off & earthed.
- g) DO NOT forget to give artificial respiration to the victim as per the prescribed procedure laid down at shock treatment charts.
- h) DO NOT touch any traction wire hanging from the mast or fallen on the ground and do not allow anyone else to touch it.

ANNEXURE -V

**HALF YEALY AVAILABILITY CERTIFICATE FORMAT**

The operation and maintenance of machines has satisfactorily performed for \_\_\_\_\_ days during the 6 consecutive months from \_\_\_\_\_ to \_\_\_\_\_ for which payment instalment is claimed. The details of Machines' availability days for 6 months is furnished below.

Half Year	Month	M/C Availability Days	M/C Non-Availability Days
<b>Total days</b>			

Average no of days available/month =            Days

**Dy CPM/Civil/DFCCIL**

**Annexure-VI**

**Format for Competency Certificate**

Certified that Shri \_\_\_\_\_ Supervisor/Operator of M/s. \_\_\_\_\_ has been trained and examined in safety measures to be followed while working in the vicinity of running DFCCIL track for the work. His knowledge has been found satisfactory, and he is capable of supervising the work safely.

This certificate is valid only for the work mentioned in this certificate only.

**Signature and designation of the officer**

-x-

**END OF DOCUMENT**