



Dedicated Freight Corridor Corporation of India Limited

(A Government of India Enterprise under Ministry of Railways)

E-Tender Document

FOR

Name of Work: Supply, Installation, Testing and Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including networking with RTU/Data logger at all 22 ALHs and 5 THs of CGM BRC Unit jurisdiction.

SINGLE PACKET OPEN E-TENDER

NOT TRANSFERABLE

Tender No.- DFC-BRC-SnT-AFDAS-25-314

(Participation through e-Tender only)

Visit: <https://ireps.gov.in> and its link at <https://dfccil.com>

(Help desk of IREPS: 011-23761525)

Employer:

Chief General Manager/BRC

Dedicated Freight Corridor Corporation of India Ltd

4th Floor, Block-A, Narmada Naher Bhawan,

SSNNL Office, Chhani Jakat Naka, Vadodara – 390024

TABLE OF CONTENTS

Chapters	Description	Page No.
Chapter 1	Check list of documents to be uploaded in the E-Tender	5-6
Chapter 2	Notice Inviting E-Tender	13-14
Chapter 3	Information and Instructions to Tenderer(s)	15-21
Chapter 4	General Conditions of Contract	22-35
Chapter 5	Special Conditions of Contract	36-48
Chapter 6	Schedule of Approximate Quantities & Rate (BoQ)	49-55
Chapter 7	Technical specifications and Requirements	56-72
Chapter 8	Annexures	73-121
	Tender Forms	
	Annexure No.	SUBJECT
	Form No. 1	Offer Letter
	Annexure -I	Tenderer's General Information
	Annexure- II	Performa for Experience/Performance Certificate
	Annexure- III	Self-Certificate
	Annexure- IV	Form of Irrevocable Guarantee Bond for Performance Guarantee (PG).
	Annexure- V	Format for Bank Guarantee Bond for Bid Security
	Annexure- VI	Agreement
	Annexure- VII	Certificate of no relative being an employee of DFCCIL
	Annexure- VIII	Details of works of similar nature physically completed in all respect as per contract agreement
	Annexure- IX	Annual Contractual Turnover of last three financial years & current financial year
	Annexure- X	Pre-Contract Integrity Pact
	Annexure- XI	Anti-Profiteering Declaration
	Annexure- XII	Standing Indemnity Bond
	Annexure - XIII	Format for Certificate to be submitted/uploaded by the tenderer along with the Tender Document
	Annexure – XIV-A	For Sole Proprietorship Firm or Sole Proprietorship Firm participating as member of JV
	Annexure – XIV	Special Power of Attorney (For Sole Proprietor Firm Only)
	Annexure – XV-A	For HUF or HUF participating as

DFC-BRC-SnT-AFDAS-25-314

	member of JV	
Annexure – XV	Special Power of Attorney (For HUF (Hindu Undivided Family))	100 - 101
Annexure – XVI	Special Power of Attorney (For Partnership Firms Only)	102
Annexure - XVII	Declaration By Newly Formed Partnership Firm/ LLP Firm	103 - 104
Annexure - XVIII	Declaration By an Existing Partnership Firm/ LLP Firm	105 - 107
Annexure – XIX	Special Power of Attorney (For Private/Limited Companies Only)	108
Annexure – XX	Declaration Regarding Constitution of Existing/ New Company	109
Annexure – XXI	Special Power of Attorney (For Registered Society & Registered Trust)	110 TO 111
Annexure - XXII	Special Power of Attorney (For LLP Firm Incorporated Under LLP Act)	112 TO 113
Annexure - XXIII	Partner's Resolution of LLP Firm Incorporated Under LLP Act for Submitting Tender By LLP Firm	114
Annexure - XXIV	Bid Security Declaration Form	115
Annexure -XXV	Proforma for Time Extension	116
Annexure- XXVI	Proforma of 7 days' Notice for works as a Whole/In Parts	117
Annexure- XXVII	Proforma of 48 Hours' Notice for Whole Work	118
Annexure- XXVIII	Proforma of 48 Hours' Notice for Part of the Work	119
Annexure - XXIX	Proforma of Termination Notice	120
Annexure – XXX	Proforma of Termination Notice for Part of Work	121
End of Tender Document		

CHAPTER-1

CHECK LIST OF DOCUMENTS **TO BE UPLOADED IN E-TENDER**

CHAPTER-1

CHECK LIST

Check List of items/documents pertaining to Bid to be uploaded by the bidder in E-Tender portal on or before the last Date & Time of Bid Submission	
Item No.	Items
1	<p>Bid Security of Rs. 3,25,300.00/- (Three Lakh Twenty-Five Thousand Three Hundred only) to be paid online through payment gateway provided at www.ireps.gov.in in the account of Dedicated Freight Corridor Corporation of India Ltd., New Delhi or through Bank Guarantee Bond in the standard format (Annexure- V) from any scheduled commercial bank of India on or before schedule date & time of submission of bid.</p> <p>Note:</p> <p>(i) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Start ups shall be exempted from payment of Bid Security.</p> <p>(ii) Labour Corporate Societies shall deposit only 50% of the above Bid Security.</p>
2	<p>Cost of Bid Document of Rs. 11,800.00/- (Rs. 10,000.00/- + GST 18%) (Rs. Eleven Thousand Eight Hundred only) (Non-Refundable) to be paid online through payment gateway provided at www.ireps.gov.in in the account of Dedicated Freight Corridor Corporation of India Ltd., New Delhi on or before Schedule Date & Time of Submission of Bid.</p> <p>Note: "No exemption is admissible for Cost of Bid Document and shall not be claimed by Bidder on the E-Tender Portal".</p>
3	A declaration from the person having PoA (Power of Attorney) on the Letter Head of the Applicant/Bidder that they agree and abide by the bid documents and amendments thereof (if any) and would execute the work accordingly (Form No. 1).
4	Format for Certificate to be submitted/uploaded by Tenderer along with the Tender Documents (Annexure - XIII).
5	Integrity Pact Duly Signed by the Bidder (Annexure- X). The bidders are required to download the Integrity Pact as uploaded in the Tender Document & Sign the same put Rubber Stamp Seal and upload the signed copy on E-Tendering Website.
6	Submission of Tenderer's Credentials in accordance with Technical Eligibility Criteria defined in Para 4.14 , Chapter 4 of Tender Document in prescribed forms. (Annexure- II, Annexure- VIII)
7	Submission of Tenderer's Credentials in accordance with Financial Eligibility Criteria defined in Para 4.14 , Chapter 4 of Tender Document in prescribed forms. (Annexure- IX)
8	Tenderer's General Information (Annexure- I)
9	For Sole Proprietorship Firm: Annexure- XIV-A and Annexure- XIV and also other documents as per para 14. (ii)(a) of tender form (2nd Sheet) of IRGCC- April-2022 with up-to-date correction slip)
10	For HUF Firm: Annexure- XV-A and Annexure- XV and also other documents as per para 14. (ii)(b) of tender form (2nd Sheet) of IRGCC- April-2022 with up-to-date correction slip)
11	For partnership Firm: Annexure XVI (Annexure XVII if newly formed partnership firm. Annexure XVIII for existing partnership firm and also other documents as per para 14. (ii)(c) of tender form (2nd Sheet) of IRGCC- April-2022 with up-to-date correction slip)
12	For Companies registered under Companies Act 2013: Annexure- XIX and Annexure- XX and also other documents as per para 14. (ii)(e) of tender form (2nd Sheet) of IRGCC- April-2022 with up-to-date correction slip)
13	For LLP Firm registered under LLP Act 2008: Annexure- XXII, Annexure- XXIII, Annexure XVII, Annexure XVIII and also other documents as per para 14. (ii)(f) of tender form (2nd Sheet) of IRGCC- April-2022 with up-to-date correction slip)
14	For Registered Society & Registered Trust: Annexure- XXI and also other documents as per para 14. (ii)(G) of tender form (2nd Sheet) of IRGCC- April-2022 with up-to-date correction slip)

Check List of items/documents pertaining to Bid to be uploaded by the bidder in E-Tender portal on or before the last Date & Time of Bid Submission	
15	Valid GST Registration, EPF Registration and PAN No. details
16	The entire Tender document should first be downloaded & then upload the same through digital signature by the Authorized signatory of the Bidder.
17	All pages of all the Corrigendum/Addendum/Clarification (if any) should first be downloaded then, upload the same through digital signature by the Authorized signatory of the bidder.
18	Bid to be filled and submitted on www.ireps.gov.in by following the steps available at E-Tender IREPS Portal.

Note: All the uploaded documents should be in readable, printable & legible form.

Important Notes:

- i. For Document mentioned at S. No. 1 of the checklist above, the E-Receipt of IREPS payment transaction for Bid Security (submitted by the Tenderer online on www.ireps.gov.in).
- ii. For Document mentioned at S. No. 2 of the checklist above, the E-Receipt of IREPS payment transaction for Cost of Bid Document (submitted by the Tenderer online on www.ireps.gov.in) shall be uploaded as attachment at E-Tender IREPS portal of IREPS.
- iii. Document mentioned at S.No. 3 to 17 above of the Check list should be scanned and uploaded as attachment at E-Tender portal (www.ireps.gov.in). The detailed instructions of E-tendering can be read through website www.ireps.gov.in (Centre link provided on the home page).

Offer letter

(On Letter Head of Firm/Company)

To,

CGM/ DFCCIL/Vadodara,
4th Floor, Block-A, SSNNL Office,
Narmada Naher Bhawan,
Chhani Jakat Naka, Vadodara – 390024

Name of Work: Supply, Installation, Testing and Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including networking with RTU/Data logger at all 22 ALHs and 5 THs of CGM BRC Unit jurisdiction.

Ref: Tender No.: - DFC-BRC-SnT-AFDAS-25-314

We, the undersigned, declare that:

1. I/We _____ have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this offer open for acceptance for a period of _____ days from the date fixed for closing of the tender and in default thereof, I/We will be liable for forfeiture of my/our “Bid Security”. I/We offer to do the work for _____ DFCCIL, at the rates quoted in the attached bill(s) of quantities and hereby bind myself/ourselves to complete the work in all respects within _____ months from the date of issue of letter of acceptance of the tender.
2. I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by DFCCIL in the annexed Special Conditions/Specifications, Standard Schedule of Rates (SSOR) with all correction slips up to date for the present contract.
3. A Bid Security of ₹ _____ has already been deposited online. Full value of the Bid Security shall stand forfeited without prejudice to any other right or remedies in case my/our Tender is accepted and if:
 - (a) I/We do not submit the Performance Guarantee within the time specified in the Tender document.
 - (b) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and
 - (c) I/We do not commence the work within fifteen days after receipt of orders to that effect.
4. I/We am/are a Start-up firm registered by Department of Industrial Policy and Promotion (DIPP) and my registration number is valid upto (Copy enclosed) and hence exempted from submission of Bid Security.

5. We are a Labour Cooperative Society, and our Registration No. is with and hence required to deposit only 50% of Bid Security.
6. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.

Signature of Witnesses:

.....

(1)

Signature of Tenderer(s)

(2)

Date.....

Address of the Tenderer(s)

.....

Instructions to Bidders for Online bidding

General: - Submission of Online Bids is mandatory for this Notice Inviting E-Tender. E - Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Supplier/ Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, DFCCIL has decided to use the website (www.ireps.gov.in). 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 Bidder's 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 E-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 & EMD deposit on offline.
- 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 1: - 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.

Note 2: - 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 and Bid Security (EMD) have to be submitted only through online payment mode 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. However, the bid security in the form of Bank Guarantee bond from a Scheduled Commercial bank of India may be submitted.** Please refer clause 3.7 of Chapter-3 for detail. 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. 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

5. DFCCIL has decided to use the process of E- Tendering for inviting this tender and thus the physical copy of the tender documents would not be sold/ accepted.
6. To participate in E-tender, it is mandatory for Tenderer (S) to get themselves registered on IREPS portal and to have user ID & Password. Payment of registration fee can be done through <https://www.ireps.gov.in>

IREPS Help Desk	011-23761525
DFCCIL Contact- 1	Rajkumar
Telephone/Mobile No.	8085542499
E-mail ID	bresnt01@dfcc.co.in

7. 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 the bidder in each page.

- 7.0 Tender fee and EMD have 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 scheduled date & time of submission of the tender otherwise the Bid will not be considered.
- 7.1 Tender documents (s) in original, duly filled in should be signed by the bidder or his Authorized representative along with seal on each page. All corrections and overwriting must be initialed with date by the bidder or his authorized representative.
- 7.2 Copy of PAN card.
- 7.3 The authenticated copy of registered partnership deed and registration of the firm from registrar of firm in case of partnership firm.
- 7.4 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.100.00.
- 7.5 Bidder’s profile duly filled in, as per section -3 of tender document.
- 7.6 Power of Attorney
- 7.7 Article of association and memorandum in case of private/public limited company.
- 7.8 Copy of E.P.F. registration.
- 7.9 Copy of ESI Certificate.
- 7.10 Copy of GST registration no.
- 7.11 Certificate for non-near relative in DFCCIL.
- 7.12 In case the tender fee is paid through e-payment, then scanned copy of receipt duly indicating UTR number is to be uploaded.

Note: - 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.

8. 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).

Method for submission of bid documents

In this TENDER the bidder has to participate in e-bidding online. Bid Documents submitted physically offline shall not be considered/entertained.

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

9. System of Quoting Rates

As per the instructions given on IREPS portal website i.e. www.ireps.gov.in

10. 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 follow the instructions given on IREPS portal website i.e. www.ireps.gov.in

Other instructions

For further instructions, the vendor should visit the web portal <https://www.ireps.gov.in> and login to it and upload documents of bid.

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.

2. CHAPTER 2:

NOTICE INVITING E-TENDER (NIT)

Chief General Manager /Vadodara for and on behalf of DFCCIL invites Tender on prescribed forms for the execution of the following work:

1	E-Tender No.	DFC-BRC-SnT-AFDAS-25-314
2	Name of Work	Supply, Installation, Testing and Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including networking with RTU/Data logger at all 22 ALHs and 5 THs of CGM BRC Unit jurisdiction.
3	Estimated Cost of Work	Rs. 3,50,57,650.13 (Three Crore Fifty Lakh Fifty-Seven Thousand Six Hundred Fifty Rupees and Thirteen Paise Only) inclusive of all statutory taxes and duties.
4	Duration of Contract	6 (Thirty-Six) months
5	Type of Tender	Open E-Tender Two Packet
6	Cost of Tender Document (Non-Refundable)	Rs. 10000/- plus GST 18%= Rs. 11,800/- to be paid online through payment gateway provided at www.ireps.gov.in
7	Earnest Money Deposit (EMD) (Tender Security)	Rs. 3,25,300.00/- (Three Lakh Twenty-Five Thousand Three Hundred only) only to be deposited online through payment gateway provided at www.ireps.gov.in
8	Uploading of NIT and Tender Document	19.07.2025 on www.ireps.gov.in
9	Last Date & Time of Submission of Tender (Online)	13.08.2025 up to 15:00 hrs. on www.ireps.gov.in
10	Date and time of Online opening of bid	13.08.2025 at 15:30 hrs. on www.ireps.gov.in
11	Validity of offer	90 days from the date of opening of tender.
12	Completion period	Six (6) Month from date of issue of letter of Acceptance
13	Defect Liability Period	60 days after successful completion of this Contract.
14	Address of Communication	Office of the Chief General Manager, Dedicated Freight Corridor Corporation of India Ltd. 4th Floor, Block-A, SSNNL Office, Narmada Naher Bhawan, Chhani Jakat Naka, Vadodara – 390024 Website: www.dfccil.com
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 www.ireps.gov.in and phone No.-011-23761525
16	Availability of Tender Documents	The Tender documents can be downloaded from www.ireps.gov.in Tenderer who wishes to view free Notification and Tender Documents can visit www.ireps.gov.in

		DFCCIL may issue Addendum (s)/Corrigendum (s) to the Tender document, if any, which shall be issued at least seven days in advance of date of opening of tender and placed on the website www.ireps.gov.in only.
--	--	--

Note- Tender documents should be downloaded from the website address <https://www.ireps.gov.in>. Payment of EMD & Tender Document fee, in respect of e-tendering, should accepted through net banking or payment gateway only, before the schedule date and time of submission of the tender other the Bid will not be considered/shall be summarily rejected.

Note: ***Manual payments through Demand draft, Banker's cheque, Deposit receipts, FDR etc. are not allowed. However, the bid security in the form of Bank Guarantee bond from a Scheduled Commercial bank of India may be submitted.***

The Bank Guarantee bond shall be as per Annexure-V and shall be valid for a period of 90 days beyond the bid validity period. Please refer clause no. 3.7 and all of its sub-clauses of this tender document for detail.

1. No request for extension of the Tender Due Date shall be considered.
2. The Offer shall be valid for 90 days from the date of opening of the tender, and extended further if required from time to time. The Contractor cannot withdraw their offer within the period of validity/extended validity lest liable for forfeiture of Earnest Money Deposit.
3. Notice Inviting Tender (NIT), Tender Document and Corrigendum/Addendum if any, will be posted on the E Tendering website 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 tenderer's failure to submit his offer, will not be accepted.
4. No tender document will be available offline. Downloading tender documents online and submission of tender online is mandatory for this tender.
5. Any further addendum/Corrigendum for this tender will be posted in DFCCIL tendering portal website <https://www.ireps.gov.in> only. Interested bidders are advised to check website regularly for any Addendum/ Corrigendum.

3. CHAPTER-3:

Information and Instructions to Tenderer(s)

3.1. INFORMATION

- 3.1.1 E-Tender has been invited under 'single packet' system.
- 3.1.2 The tenderer(s) can download the Bid document online from the website address <https://ireps.gov.in> as per the date & timing mentioned in SECTION –I of the bid document.
- 3.1.3 Tender document are also available on DFCCIL's official website i.e. <https://dfccil.com>.
- 3.1.4 Payment of BID SECURITY, in respect of e-tendering, shall be accepted through net banking or payment gateway only, before the schedule date and time of submission of the tender **otherwise the Bid will not be considered/shall be summarily rejected.** No documents are required to be submitted physically in the tender box. Scanned copy of RTGS receipt, duly indicating UTR number should be uploaded online along with the tender. Details of DFCCIL/Vadodara bank account for making payment by RTGS are as under:

Name	CGM DFCCIL Vadodara
Bank account number	310601010040983
IFSC code	UBIN0531065
Bank Name	Union Bank of India

- 3.1.5 The entire bid document shall be scanned & uploaded online on the website. The hard copy of those pages should be scanned after sign and stamp. Tender document shall be accompanied with the scanned copies of Bid deposit in proper form, document about the status of the firm such as Partnership Deed, Power of Attorney; documents in support of the of Tender(s), all other documents mentioned in Annexure-I.
- All tender shall be uploaded in accordance with the instruction contained in these documents (hereinafter called as tender document). Non-Compliance with any of the instruction set forth herein above is liable to result in the tender being rejected.
- A firm shall submit only one offer against the E-Tender. In case, a firm submits more than one Tender, such a firm will be disqualified.
- In preparing the Proposal, Tenderer(s) are expected to examine all terms and conditions included in the document. Failure to provide all requested information will be at own risk of the Tenderer(s) and will result in rejection of the proposal submitted by the Tenderer(s).
- 3.1.6 If the Tenderer(s) deliberately gives/ give wrong information in his/ their tender or creates /create circumstances for the acceptance of his/ their tender, the DFCCIL reserves the right to reject such tender at any stage.
- 3.1.7 The proposal shall contain no inter-lineation or overwriting, except as necessary to correct errors made by the firm itself. Any such corrections must be initiated by the person or persons who sign(s) the Proposals.
- 3.1.8 While quoting the rates online on <https://ireps.gov.in>, Tenderer(s) are expected to take into account the requirement and conditions of the tender documents.
- 3.1.9 A master copy of the document downloaded from the website mentioned above shall be kept in the office of the tender inviting authority. In case of any discrepancy between the tender document downloaded from the website and the master copy, the later shall prevail and shall be binding on the Tenderer(s). The offer received shall be deemed to have been submitted on the document as uploaded and appearing in the website mentioned above

whose master copy is kept in the office of the tender inviting authority and the agreement shall also be prepared on the basis of master document kept in the office of tender inviting authority.

- 3.1.10 The Tenderer(s) downloading the documents from internet must keep themselves updated through the website from which the tender document is downloaded regarding corrigendum, if any, to the notice inviting tender or the tender document, which shall be uploaded in the same website. The offers received without such corrigendum published shall be liable to be rejected.
- 3.1.11 Any willful changes/deletion/addition in printing carried out in the tender documents shall be viewed very seriously, whether detected at the time of opening/ award of tender or after award of work and the same may result in penal action including banning of further business with the defaulting Tenderer(s). In addition, the Tenderer(s) are liable to be prosecuted for the same as per law.
- 3.1.12 The Tenderer(s) whether a sole proprietor, a limited company or a partnership firm, if they want to act through agent or individual partner/partners should submit along with the tender or at a later stage, a power of attorney duly stamped and authenticated by a Notary Public, or by Magistrate in favor of the specific person whether he/they be partner/partners of the firm or any other person specifically authorizing him/them to submit the tender, sign the agreements, receive money, witness measurements, sign measurement books, compromise, settle, relinquish any claim or claims preferred by the firm and sign "No Claim Certificate" and refer all or any disputes to arbitration.
- 3.1.13 **JV Firms: JV Firms are not allowed to participate in the present open tender.**

3.1.14 **Priorities of Documents:**

The several documents forming the contract are to be taken as mutually explanatory of one another. If any inconsistency of discrepancy is found in the documents, DFCCIL shall issue any necessary clarification or instruction. For the purpose of interpretation, the priority of documents shall be accordance with the following sequence:

- a) The letter of acceptance
- b) The contract agreement (if completed)
- c) The notice inviting tender / instructions of Tenderers
- d) Special condition of Contract
- e) General conditions of Contract
- f) Bill of Quantities

3.2. SUBMISSION OF TENDER

- 3.2.1. All Tenders shall be submitted through online mode only at website <https://ireps.gov.in>. Tender submitted by any other mode will not be accepted.
- 3.2.2. Venue of submission of tender: - No tender will be accepted/received offline or in any other office.
- 3.2.3. The mandatory seal & signed on all pages should be submitted online not later than date and timings mentioned as in NIT in CHAPTER-2 of the tender document.
- 3.2.4. Any tender received late are liable to be rejected summarily.

3.3. TENDER OPENING

- 3.3.1. Date and Time of online opening of the tender: - As indicated in the NIT in CHAPTER-2 of tender document.
- 3.3.2. The Tenders submitted/received after the time and date fixed for receipt of Tenders as set out in the documents are liable to be rejected.

- 3.3.3. Conditional tenders are liable to be rejected straightway. DFCCIL reserves the right to reject such tenders summarily without assigning any reasons whatsoever.
- 3.3.4. If the date of opening is declared as a holiday, then the tender shall be opened at 15.30 hrs on the next working day.
- 3.3.5. On the date specified in the tender notice, the rates of tenderer(s) should be available online.

3.4. GENERAL INFORMATION

- 3.4.1. The tender document is non-transferable. Tenders received from Tenderer(s) in whose name Tender Document has been issued shall only be considered.
- 3.4.2. No extension in the Tender Due Date shall be considered on account of internet speed or any technical fault.
- 3.4.3. Issuance of Tender documents will not automatically mean that such parties are considered qualified.
- 3.4.4. DFCCIL reserves the rights to modify, expand, restrict, scrap, re-float the tender without assigning any reason.

3.5. VALIDITY OF PROPOSAL

- 3.5.1 The Tenderer(s) shall keep their offer open for a minimum period of 90 days from the date of opening of the Tender, being extended further, if required by mutual agreement from time to time. Any contravention of the above conditions shall make the Tenderer(s) liable for forfeiture of his Bid Security deposit. The Tenderer(s) cannot withdraw their offer within the period of validity / extended validity.

3.6. COST OF TENDER DOCUMENT:

- 3.6.1 Cost of tender document as per Chapter-2 of the tender is to be submitted/deposited online only through payment gateways on <https://www.ireps.gov.in> , before the scheduled date and time of submission of the tender.
- 3.6.2 Offers without a valid tender fee before the scheduled date and time of submission of the tender will be summarily rejected.
- 3.6.3 Tender processing fee as per applicable rates on IREPS portal, payable through the e-payment gateways is non-refundable.
- 3.6.4 All Micro and Small Enterprises (MSEs) who are having Udyog Aadhaar Memorandum shall be given all benefits towards Tender Fee in terms of Railway Board Letter No.2010/RS/(G)/363/1 dated 31.03.2016.

3.7. EARNEST MONEY (BID SECURITY):

- 3.7.1 The tender must be accompanied by Earnest Money in favor of “**Dedicated Freight Corridor Corporation of India Limited, CGM-Vadodara Unit**” deposited in any of the forms as mentioned in Sub-para 3.7.4 below, failing which the tender will not be considered.
- 3.7.2 The tenderer shall be required to submit the Bid Security with the tender for the due performance with the stipulation to keep the offer open till such date as specified in the tender, under the conditions of tender. The Bid Security shall be as under:

Value of the Work	Bid Security
For works estimated to cost up to ₹ 1 crore	2% of the estimated cost of the work
For works estimated to cost more than ₹ 1 crore	₹ 2 lakh plus ½ % (half percent) of the excess of the estimated cost of work beyond ₹ 1 crore subject to a maximum of ₹ 1 crore

Note:

- (i) The Bid Security shall be rounded off to the nearest ₹100. This Bid Security shall be applicable for all modes of tendering.
- (ii) Any firm recognized by the Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Bid Security detailed above.
- (iii) Labour Cooperative Societies shall submit only 50% of above Bid Security detailed above.

3.7.3 The Earnest Money shall remain deposited with the DFCCIL for the period of validity of the offer prescribed in this tender i.e. 90 days from the date of the opening of tender. In case of EMD being submitted in the 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 earnest money should also be extended, failing which the offer after the expiry of the aforesaid period may not be considered by DFCCIL. The proof of submission of EMD should be uploaded along with the Technical Bid.

3.7.4 The Earnest Money should be in any of the following forms:

- (i) The Earnest Money (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 EMD is enclosed as Annexure-V of Bid Document.

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

- a) A scanned copy of the Bank Guarantee shall be uploaded on e-Procurement Portal (<https://www.ireps.gov.in>) while applying to the tender.
- b) The Original Bank Guarantee should be delivered in person to the official nominated as indicated in the Tender document within 5 working days before closing date for submission of bids.
- c) Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (<https://www.ireps.gov.in>) and /or non-submission of Original Bank Guarantee within the specified period shall lead to summarily rejection of bid.

- d) The Tender Security shall remain valid for a period of 90 days beyond the validity period for the Tender.
- 3.7.6 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 Employer. Should the tenderer fail to observe or comply with the said stipulation, the aforesaid amount (EMD) shall be liable to be forfeited by the DFCCIL.
- 3.7.7 The Original instruments of Earnest Money (Bank Guarantee- in Original) have to be submitted to Employer's office before the scheduled date and time of submission of the tender otherwise the Bid may not be considered.
- 3.7.8 The Earnest Money of the unsuccessful tenderer (s) will, save as herein 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 earnest money while in their possession or be liable to pay interest there on.
- Note: No interest shall be paid by DFCCIL on Earnest Money Amount.
- 3.7.9 Tenderers seeking exemption from bid security shall have to submit Bid Security Declaration Form mandatorily along with valid documents mentioned above, failing which no exemption shall be considered.
- 3.7.10 The Tenders received without BID SECURITY in the manner given in the tender document shall be summarily rejected.

3.8. ELIGIBILITY CRITERIA

- 3.8.1. The tenderer must submit the documents in favour of fulfilling the eligibility criteria.
Tenders submitted without these documents shall be summarily rejected.
- 3.8.2. The eligibility criteria have been defined in the para 4.14 (General Condition of Contract) of the bid document. Documents should be submitted online.
- 3.8.3. Joint Venture (JV) firms are not allowed to participate in this bid/tender.

3.9. FIRM DETAILS, SIGNATURE OF TENDERER(S) & DOCUMENTARY PROOF

- 3.9.1. The Tender must contain the full name, designation and complete address of place of business of the person(s) signing the Tender. Tenderer(s) shall furnish "TENDER'S GENERAL INFORMATION" as per (Annexure-I).
- 3.9.2. The Tender shall be signed by individual or individuals legally authorized to enter into commitments on behalf of the Tenderer(s). Any individual or individuals signing the Tender Documents or other documents connected therewith should specify whether he is signing-
- a) As a Sole Proprietor of the firm or Attorney of the Sole Proprietor; or
 - b) As a Partner or Partners of the firm; or
 - c) As a Director, Manager or Secretary in a Limited Company etc.
- 3.9.3. The Tenderer(s)/s whose tender is accepted will be required to appear at the office of the General Manager/Co/Vadodara, 4th Floor, Block-A, SSNNL Office, Narmada Neher Bhawan, Chhani Jakat Naka, Vadodara -390024 , in person or in case of firm or corporation, a duly authorized representative shall appear to execute the Contract Documents within 07(seven) days after notice from DFCCIL that the contract agreement is ready for signature.

Failure to do so shall constitute a breach of the agreement effected by the acceptance of the tender in which case the full value of the Bid Security accompanying the tender shall stand forfeited. **The Contract Agreement shall be entered into by DFCCIL only after submission of valid Performance Guarantee by the Contractor.**

3.10. PRICE BASIS, CURRENCIES & LANGUAGE OF TENDER

- 3.10.1 Tenderer(s) have to quote percentage above or below (in both words & figures) for the rates specified in each individual schedule. This flat percentage will apply to all items within that particular schedule.
- 3.10.2 Rates are inclusive of labour, material, all statutory taxes and obligations of Central Govt. and State Govt. / local bodies as applicable at the time of the opening of the tender, unless otherwise specified separately in this tender document. The Tender prices shall be in Indian rupees only.
- 3.10.3 Taxes, if any, levied after opening of the tender will be borne by DFCCIL and will be reimbursed after production of documents in proof of having submitted the same. General Conditions of Contract & Special Conditions of Contract, Schedule of approximate quantities & Rate sheet may be referred for further details.
- 3.10.4 Rates are to be quoted both in figures and words. In case of any discrepancy in rates between figures and words, the rates quoted in words will prevail over rates quoted in figure.

3.11. PROPOSAL EVALUATION

- 3.11.1 The proposal of the Tenderer(s) will be assessed only based on the information/documents submitted along with the tender. However, DFCCIL reserves the right to seek clarification from the Tenderer(s), if the evaluation committee considers it necessary for proper assessment of the proposal. The clarification will be sought through fax/e-mail and the Tenderer(s) will be required to submit clarification in the stipulated time period. The clarification received within stipulated time period will be taken into consideration for the evaluation of the technical proposal.
- 3.11.2 The Proposals shall be opened publicly in the presence of the Tenderer(s)' representatives who choose to attend. The name of the Tenderer(s), the proposed prices shall be read aloud and recorded after opening the proposal. The Client shall prepare minutes of the public opening.

3.12. AWARD OF CONTRACT

- 3.12.1 The DFCCIL will issue a letter of Acceptance to the successful Tenderer.
- 3.12.2 Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between DFCCIL and Tenderer subject to the modifications, as may be mutually agreed to and indicated in the letter of acceptance.
- 3.12.3 The successful Tenderer will be required to execute the Contract Agreement within 15 days of receipt of notice by the DFCCIL Administration after successful submission of Performance Bank Guarantee that such documents are ready, as per the conditions mentioned in Tender Document, General Conditions of Contract (Chapter 4) and Special Conditions of Contract (Chapter 5).
- 3.12.4 The successful firm / Tenderer with whom the contract is signed shall commence the assignment immediately after the issue of acceptance letter in accordance with the contract.
- 3.12.5 All expenses in drawing up the agreement and the cost of stamp duty if any shall be borne by the contractor.

3.13. CONFIDENTIALITY

- 3.13.1 Information relating to evaluation of proposals and recommendations concerning awards shall not be disclosed to the Tenderer(s) who submitted the proposals or to other persons not officially concerned with the process.

3.14. CHECK LIST

- 3.14.1 The Tenderer(s) is requested to submit the tender documents and attachments as per the details specified in the Tender document. Any deviation/omission from above will be on Tenderer(s)'s own risk.
- The Tenderer(s) are requested to duly fill in the checklist. The checklist is only a reminder of certain important items, to facilitate the Tenderer(s). This, however, does not relieve the Tenderer(s) of its responsibility to make sure that his proposal is otherwise complete in all respects.

4. CHAPTER 4:

GENERAL CONDITIONS OF CONTRACT

GENERAL CONDITIONS OF CONTRACT (IR GCC April 2022) will form an integral part of the Tender and contract.

In case of any deviation between conditions of contract and any other special condition & specifications of contract of this tender document, the special condition & specifications of contract of this tender document shall prevail. The tenderers must give a certificate along with their offer that they have thoroughly read, understood, and accepted the conditions/special conditions & specifications of contract as well as other conditions of tender etc.

4.1. DEFINITIONS:

Unless excluded by or repugnant to the context:

- 4.1.1. The expression “Department”/ “Client”/ “DFCCIL”/ “Corporation”/ “Employer”/ “Engineer” as used in the tender papers shall mean Dedicated Freight Corridor Corporation of India Ltd. (DFCCIL) & such expression shall also include its legal successors and permitted assignees. Chief General Manager/DFCCIL/Vadodara will act as “Employer” in this tender.
- 4.1.2. “Officer”/ “Officer-in-charge”/ “DFCCIL's representative” of the work shall mean the DFCCIL Officer dealing with the performance and operations of the contract, its legal successors and assignees to undertake various duties and functions in connection with this contract and Project.
- 4.1.3. The “Contract” shall mean The agreement entered into between the owner and the contractor as recorded in the contract form signed by the parties include all attachment the notice of tender, the sealed quotation and the tender documents including the tender and acceptance thereof together with the documents referred to therein, and the accepted conditions with Annexure mentioned therein including any special conditions, specifications, price schedule / bill of quantities and schedule of rates. All these documents taken together shall be deemed to form one contract and shall be complementary to one another. Contract is deed of contract together with its entire accompaniment and those later incorporated in it by internal consent.
- 4.1.4. The “Contractor/ Tenderer(s)” shall mean the individual or firm or company whether incorporated or not, undertaking the work and shall include legal representative of such an individual or persons comprising such firms or company as the case may be and permitted, assignees of such individual or firm or company.
- 4.1.5. The “Contract sum” / “Contract price” shall mean the sum for which the tender is accepted.
- 4.1.6. The “Contract time” means period specified in the tender document for entire execution of contracted works from the date of notification of award including monsoon period.
- 4.1.7. A “Day” shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked in that day.
- 4.1.8. A “month” shall mean a calendar month.
- 4.1.9. A “week” shall mean seven consecutive days without regard to the number of hours worked in any day in that week.

- 4.1.10. "Client" means Dedicated Freight Corridor Corporation of India Limited.
- 4.1.11. "Consultant" means any entity or person that may provide the services to the client under the contract.
- 4.1.12. "Data Sheet" means such part of the Instructions to Tenderer(s) used to reflect specific assignment conditions.
- 4.1.13. "Day" means calendar day.
- 4.1.14. "Government" means the Government of India.
- 4.1.15. "Personnel" means professionals and support staff provided by the Contractor(s)/Tenderer(s) and assigned to perform the Services or any part thereof.
- 4.1.16. "Local Personnel" means such professionals and support staff who at the time of being so provided had their domicile inside the Government's country.
- 4.1.17. "Proposal" means the Technical Proposal and the Financial Proposal.
- 4.1.18. "RFP" means the Request for Proposal prepared by the Client for the selection of Tenderer(s).
- 4.1.19. "Services" means the work to be performed by the Tenderer(s) pursuant to the contract. "Terms of Reference" (TOR) means the document included in the RFP which explains the objectives, scope of work, activities, tasks to be performed respective responsibilities of the client, and the tenderer(s), and expected results and deliverables of the assignment.
- 4.1.20. "Applicable Law" means all laws in force and effect as of the date hereof and which may be promulgated or brought into force and effect thereafter in India, including rules and regulations made therein, as may be in force and effect during subsistence of this agreement.
- 4.1.21. "Excepted Risks" are risks due to riots (otherwise than among contractor's employees) and civil commotion (in so far as both these are un-insurable) war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, any acts of God, such as earthquake, lightening and un-precedent floods over which the contractor has no control.
- 4.1.22. "GCC" means the General Conditions of Contract.
- 4.1.23. "Letter of Acceptance" means the formal acceptance letter from the DFCCIL of the Tender.
- 4.1.24. "Local currency" means the currency of Government of India.
- 4.1.25. Engagement of Manpower/Personnel under requisite category will be on actual requirement basis.
- 4.1.26. "DFC" means DFCCIL/Vadodara unit.
- 4.1.27. "IMD" means Integrated Maintenance Depot.
- 4.1.28. "IMSD" means Integrated Maintenance Sub-Depot.
- 4.1.29. "ALH" means Auto-Location Hut, "TH" means Telecom Hut, "SER" means Signalling Equipment Room, "TER" means Telecom Equipment Room.

4.2. GENERAL INFORMATION

- 4.2.1. The Tenderer(s) should familiarize themselves with local conditions and take them into account in preparing their Proposals. To obtain first-hand information on the Assignment and on the local conditions, **Tenderer(s) are encouraged to pay a visit to the project site before submitting the Proposal.**

- 4.2.2. The Client will provide the inputs specified in the Datasheet and make available relevant project and data reports at no cost to Tenderer(s).
- 4.2.3. Tenderer(s) shall bear all costs associated with the preparation and submission of their proposals including negotiations, if required. The Client is not bound to accept any proposal and reserves the right to dissolve the selection process at any time prior to Contract award, without thereby incurring any liability to the Tenderer(s).
- 4.2.4. The Client requires that Tenderer(s) provide professional, objective and impartial advice and at all times hold the Client's interest paramount, without any consideration for future work, and strictly avoid conflicts with other assignments or their own corporate interests.
- 4.2.5. A Tenderer(s) (including its Personnel and Sub-Tenderer(s)) or any of its affiliates shall not be hired for any assignment that, by its nature, may be in conflict with another assignment of the Tenderer(s) to be executed for the same or for another Client.
- 4.2.6. It is the DFCCIL's policy that the Tenderer(s) under contracts observe the highest standard of ethics during the selection and execution of such contracts. In pursuance of this policy, the DFCCIL:
- a) Defines, for the purpose of this paragraph, the terms set forth below as follows:
 - 1) “**Corrupt practice**” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution.
 - 2) “**Fraudulent practice**” means a misrepresentation or omission of facts in order to influence a selection process or the execution of a contract;
 - 3) “**Collusive practices**” means a scheme or arrangement between two or more Tenderer(s) with or without the knowledge of the Client, designed to establish prices at artificial, noncompetitive levels;
 - 4) “**Coercive practices**” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract.
 - b) Will reject a proposal for award if it determines that the Tenderer(s) recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question.
 - c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a contract; and
- 4.2.7. Tenderer(s), their Sub-Tenderer(s), and their associates shall not be under a declaration of ineligibility for corrupt and fraudulent practices. Furthermore, the Tenderer(s) shall be aware of the provisions on fraud and corruption stated in the specific clauses in the General Conditions of Contract.

4.3. COMMUNICATION AND LANGUAGE OF CONTRACT

- 4.3.1. Communication to be in writing: - Communications between Parties will be effective only when in writing. Verbal communication, if any, must be confirmed in writing immediately later on. Any notice, request or consent shall be deemed have been given or made when delivered in writing in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram or facsimile to such Party.

4.4. INTERPRETATION

In the contract, except where the context requires otherwise:

- 4.4.1. Words indicating one gender include all genders,
4.4.2. Words indicating the singular also include the plural and words indicating the plural also include the singular,
4.4.3. "Written" or "in writing" means hand-written, type written, printed or electronically made and resulting in a permanent record, and
4.4.4. The marginal words and other headings shall not be taken into consideration in interpretation of these conditions.

4.5. LANGUAGE OF CONTRACT

- 4.5.1. The Contract shall be executed in English or Hindi, which shall be controlling language for all matters relating to meaning or interpretation of this Contract. If any controversy arisen because of languages, then English version of Tender will prevail.

4.6. ENTIRE AGREEMENT

- 4.6.1. This Contract contains all covenants, stipulations and provisions agreed by the parties. No agent or representative of either party has authority to make, and the parties shall not be bound by or liable for any statement, representation, promise or agreement not set forth herein.

4.7. MODIFICATIONS

- 4.7.1. The terms and conditions of this Contract including the Scope of work can be modified only by written agreement between the Parties.

4.8. CARE IN SUBMISSION OF TENDERS: -

- 4.8.1. Before submitting a tender, the Tenderer(s) 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 rates he enters in the tender forms are adequate and all-inclusive to accord with the provisions of the General/ Special Conditions of Contract for the completion of works to the entire satisfaction of the Engineer.

4.9. RIGHTS OF THE DFCCIL TO DEAL WITH TENDER: -

- 4.9.1. The authority for the acceptance of the tender will rest with 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 neither any explanation for the cause of rejection of his /their tender nor the DFCCIL to assign reasons for declining to consider or reject any particular tender or tenders.

4.10. OMISSIONS & DISCREPANCIES: -

- 4.10.1. Should a Tenderer(s) find discrepancies in or omissions from the drawings or any of the Tender Forms or should he be in doubt as to their meaning, he should at

once notify the authority inviting tenders who may send a written instruction to all tenderer(s). It shall be understood that every endeavor has been made to avoid any error which can materially affect the basis of the tender and the successful Tenderer(s) shall take upon himself and provide for the risk of any error which may subsequently be discovered and shall make no subsequent claim on account thereof.

4.11. PARTNERSHIP DEED

4.11.1. The tender shall clearly specify whether the tender is submitted on his own behalf or on behalf of partnership concern. If the tender is submitted on behalf of partnership concern, Tenderer(s) shall submit the certified copy of partnership deed along with the tender and authorization to sign the tender documents on behalf of partnership concern. If these documents are not enclosed along with tender documents, the tender will be treated as having been submitted by individual signing the tender documents. DFCCIL will not be bound by any Power of Attorney granted by the Tenderer(s) or by changes in the composition of the firm made subsequent to the execution of the contract. It may however recognize such power of attorney and changes after obtaining proper legal advice the cost of which will be chargeable to the contractor.

4.12. PERFORMANCE GUARANTEE (P.G)

4.12.1. On acceptance of tender, the successful Tenderer(s) shall have to submit a Performance Guarantee amounting to 5% of the contract value in any one of the form:

- (i) A deposit of Cash in DFCCIL account;
- (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 in favour of **General Manager/Co, DFCCIL, Vadodara.**

The Performance Guarantee should be free from any encumbrance and shall be submitted 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 up to 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 percent per annum shall be charged for the delay beyond 21 (twenty-one) days, i.e. from 22nd day after the date of issue of LOA.

Further, if the 60th 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.

- 4.12.2. This guarantee shall be initially valid up to the stipulated date of completion of work plus 60 days beyond the defect liability period. In case, the time limit for completion of work gets extended, the contractor shall give the validity of Performance Guarantee extended to cover such extended time for completion of work plus 60 days.
- 4.12.3. The Performance Guarantee (PG) shall be released after the physical completion of the work based on the "Completion Certificate" issued by the competent authority stating that the contractor has completed the work in all respects satisfactorily. The Security Deposit, however, shall be released only after the expiry of the maintenance period and after passing the final bill based on "No Claim Certificate".
- 4.12.4. Wherever the contract is rescinded, the Security Deposit shall be forfeited and the Performance Guarantee shall be encashed and the balance work shall be got done independently without the risk and cost of the failed contractor. However, 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 either in his/her individual capacity or as a partner of any other JV/partnership firm. Further, the authorized representative of the failed contractor shall not be accepted as the authorized representative in the new contract.
- 4.12.5. DFCCIL 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:
 - a) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event DFCCIL may claim the full amount of the Performance Guarantee.
 - b) 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 the notice to this effect by DFCCIL.
 - c) The contract being determined or rescinded under provision of the Contract Agreement, the Performance Guarantee shall be forfeited in full and shall be absolutely at the disposal of the DFCCIL.
 - 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.

4.13. SECURITY DEPOSIT

- 4.13.1 The Bid Security/ Earnest Money deposited by the Contractor with his tender will be retained by the DFCCIL as part of security for the due and faithful fulfilment of the contract by the contractor. The balance to make up the Security Deposit, the rates for which are given below, will be recovered by percentage deduction from the Contractor's "on account" bills. Provided also that in case of defaulting contractor, DFCCIL may retain any amount due for payment to the Contractor on the pending "on account bills" so that the amounts so retained may not exceed 5% of the total value of the contract.
- 4.13.2 Unless otherwise specified in the special conditions, if any, the Security Deposit/rate of recovery /mode of recovery shall be as under:
- a) Security Deposit for each work should be 5% of the contract value
 - b) The rate of recovery should be at the rate of 6% of the bill amount till the full Security Deposit is recovered,
 - c) Security Deposit will be recovered only from the running bills of the contract and no other mode of collecting SD shall be accepted towards Security Deposit.
- 4.13.3 The Security Deposit shall be returned to the contractor without any interest when the contractor ceases to be under any obligations under the contract i.e. after completion of defect liability period i.e. after 60 days of satisfactory completion of the work and taking over by the Employer.
- 4.13.4 No interest will be payable upon the Bid Security and Security Deposit or amounts payable to the Contractor under the Contract.

4.14. TENDERER(S)'S CREDENTIAL: -

- 4.14.1. In support of their credentials, the Tenderer (s) should have to submit documents as stipulated in tender document along with their tenders.
- 4.14.2. The tenderers should satisfy the following minimum eligibility criteria as under: -

Essential Qualifying Criteria

A. Firms/companies

- (i) The tenderer should have a registered office anywhere in India.

The documentary proof regarding "A" above should be submitted as part of the tender document.

Note: For the purpose of documentary proof of "registered office" as mentioned in (i) above, any address of office as mentioned in any of the following documents submitted along with the original offer by tenderer(s) may be considered as registered office of the tenderer(s).

1. Address mentioned in the article of association of company duly registered under the Companies Act, 1956.
2. Address mentioned in Partnership Deed
3. Address mentioned in Trade License obtained by the individual from Govt. body.
4. Address mentioned in any tax departments.
5. Address mentioned in P.F. Registration documents.

B. Technical Eligibility Criteria:

The tenderer must have successfully or substantially* completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

Three similar works, each costing not less than the amount equal to 30% of the advertised value of the tender,

OR

Two similar works, each costing not less than the amount equal to 40% of the advertised value of the tender,

OR

One similar work, each costing not less than the amount equal to 60% of the advertised value of the tender.

Similar Nature of Work for this Tender: “Any work of provision of Automatic Fire Detection and Alarm System.”

OR

“Supply, Installation, Testing and commissioning of Fire detection and Alarm system” as a part of Signal & Telecom work”.

*Substantially Completed Work means an ongoing work in which payment equal to or more than 90% of the present contract value (excluding the payment made for adjustment of Price variation (PVC), if any) has been made to the contractor in that ongoing contract and no proceedings of termination of contract on Contractor’s default has been initiated. The credential certificate in this regard should have been issued not prior to 60 days of date of invitation of present tender.

Note: Work experience 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.

In case tenderer submits work experience 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.

C. Financial Eligibility Criteria:

The tenderer must have minimum average annual contractual turnover of **V/N crores or 'V' whichever is less**; 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 Annexure-IX (Mandatory), along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.

Note: Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.

4.14.3. Tenderer (s) shall submit along with the tender, adequate documentary proof of having fulfilled the prescribed eligibility criteria as laid down in the Tender notice & Tender conditions.

4.14.4. In reference to para 4.14.1 of the tender document, the Tenderer (s) will produce/attach the certificate of Work completion with the Tender Document as per Para 4.14.2 and such certificate should clearly be brought out following details: -

- a) Name of Agency issuing a certificate.
- b) Date of issue of certificate.
- c) The name of Work.
- d) The Acceptance letter no.
- e) The date of issue of Acceptance letter.
- f) Agreement/Contract no.
- g) Date of execution of Agreement.
- h) Date of original Completion of Work as per Acceptance Letter.
- i) Date of Actual completion of Work.
- j) The Amount of Work done as per Agreement/Contract (in Rupees).
- k) The Final Amount of Work at the time of Completion of Work (in Rupees).
- l) Whether the Work is completed satisfactory or not satisfactory.

4.14.5. In case the Tenderer(s) does not submit any proof for meeting with the eligibility criteria as laid down above in the Tender notice & Tender conditions, along with the tender, the offer shall be considered as in-complete.

4.14.6. All documents submitted (online) with the tender should be duly attested.

- 4.14.7. Certificates from Private individuals for whom such works are executed/being executed will not be accepted.
- 4.14.8 Each tenderer has to satisfy the eligibility criteria for technical capability, competence as well as for financial capacity and organizational resources as specified in the tender documents to qualify for consideration of bid submitted by tenderer(s).
- 4.14.9 There should not be any unsatisfactory performance report of the Contractor from any source.
- Tenderer(s) may please note that their offers will be evaluated as per the credentials/ Tenderer (s) shall submit along with the tender, adequate documentary proof of having fulfilled the prescribed eligibility criteria as laid down in the Tender notice & Tender conditions.
- a. In reference to para 4.14.1 of the tender document, the Tenderer (s) will produce/attach the certificate of Work completion (As per Annexure-VIII) **(Mandatory)**
- 4.14.8. In case the Tenderer(s) do not submit any proof for meeting with the eligibility criteria as laid down above in the Tender notice & Tender conditions, along with the tender, the offer shall be considered as in-complete and summarily rejected.
- 4.14.9. All documents submitted (online) with the tender should be duly attested.
- 4.14.10. Certificates from Private individuals (non-government) for whom such works are executed/being executed will NOT be accepted.
- 4.14.11. Each tenderer has to satisfy the eligibility criteria for technical capability, competence as well as for financial capacity and organizational resources as specified in the tender documents to qualify for consideration of bid submitted by tenderer(s).
- 4.14.12. There should not be any unsatisfactory performance report of the Contractor from any source.
- 4.14.13. Tenderer(s) may please note that their offers will be evaluated as per the credentials/ documents attached by the tenderer(s) along with the tender.

4.15. AGREEMENT:

- 4.15.1. All expenses in drawing up the agreement and the cost of stamp duty if any shall be borne by the Contractor.

4.16. CHANGE IN ADDRESS:

- 4.16.1. Any change in the address of the contractor shall be forthwith intimated in writing to DFCCIL. DFCCIL will not be responsible for any loss/ inconvenience suffered by the Contractor on account of his failure to comply with this.

4.17. OBLIGATION OF DFCCIL

- 4.17.1. DFCCIL will, subject to compliance of this contract and all statutory requirements and the provision of services to its satisfaction by the Tenderer(s) and subject to deduction of Tax at source under the Income Tax Act, 1961 or any

other provision of the law for the time being in force, ensure full and timely payments for the services as provided in this contract.

4.18. FORCE MAJEURE

- 4.18.1. The Obligations of DFCCIL and the Tenderer(s) shall remain suspended if and to the extent that they are unable to carry out such obligations owing to force majeure and in such situation the contract can also be terminated on mutual consent.

4.19. INDEMNITY

- 4.19.1. The Tenderer(s) shall indemnify and hold harmless to DFCCIL and its Directors, Officers and Employees from and against all and any claims, demands, losses, damages, penalties, expenses and proceedings connected with the implementation of this contract or arising from any breach or non-compliance whatsoever by the Tenderer(s) or any of the persons deployed by it pursuant hereto of or in relation to any such matter as aforesaid or otherwise arising from any act or omission on their part, whether willful or not, and whether within or outside the premises including but not limited to any and all claims by the hired manpower. Contractor should submit a standing Indemnity bond as per Annexure-XII.

4.20. OTHER TERMS AND TERMINATION

- 4.20.1. The contract shall be deemed to have commenced as on from date of the issuance of letter of intent.
- 4.20.2. Completion period of the complete work in all respects will be Six (6 months) from the date of issue of Letter of acceptance.
- 4.20.3. Notwithstanding anything contained herein DFCCIL may, without any cause, terminate this contract by giving due written notice to the other party.
- 4.20.4. Expiry or earlier termination of this contract will not prejudice any rights of the parties that may have accrued prior thereto.
- 4.20.5. In performing the terms and conditions of the contract, the Tenderer(s) shall at all times act as an Independent Tenderer(s). The contract does not in any way create a relationship of principal and agent between DFCCIL and the Tenderer(s). The Tenderer(s) shall not act or attempt or represent itself as an agent of DFCCIL. It is clearly understood and accepted by both parties that this contract between the parties evidenced by it is on a Principal to Principal basis and nothing herein contained shall be construed or understood as constituting either party hereto, the agent or representative of the other, under any circumstances. The Tenderer(s) shall never under any circumstances whatsoever, be entitled to claim themselves to be the employee of DFCCIL.

4.21. LAWS AND REGULATIONS:

- 4.21.1. Governing Law: This contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable laws and by-laws of India.

- 4.21.2. Resolving the disputes: In case of disputes, between a Contractor and the field officers, regarding this tender, decision of **DFCCIL**, shall be the final and binding.

4.22. INCOME TAX

- 4.22.1. Income Tax as per rates applicable/amended under the Income Tax Act of work shall be deducted at source unless the contractor is exempted by Income Tax Authorities.

4.23. GST

- 4.23.1. GST as admissible shall be paid as applicable on submission of proof of depositing the same by the contractor to concerned Govt. authority. Any modification in tax provision in future by the Govt. will be binding on contractor & DFCCIL.

4.24. PERMITS, FEES, TAXES & ROYALTIES

- 4.24.1. Unless otherwise provided in the contract documents, the contractor shall secure and pay for all permits, Government fees and licenses necessary for the execution and completion of the works. The contractor shall pay all duties (whichever applicable) including excise duty, sales tax, works contract tax, local taxes, income tax and other taxes of Govt. including GST. However, the GST liability on the Contractor will be governed by clause 4.23 of the tender document. The DFCCIL authorities will not take any responsibility for refunding such taxes/fees unless otherwise specified in the tender. Any violation, in the legal provisions of taxes, duties, permits and fees, carried out by the Contractor and detected subsequently shall be the sole responsibility of the Contractor and his legal heirs.

4.25. STATUTORY INCREASE IN DUTIES, TAXES ETC

- 4.25.1. All the taxes and duties levied by the State and Central Govt. and by Local Bodies at the prevailing rates applicable on the date of receipt of tender shall be fully borne by the Contractor and shall not be reimbursed to him on any account unless otherwise specified in the tender. The tender shall be inclusive of all taxes, levies, octroi etc. Further, DFCCIL shall not honour any claim arising out of any increase in any of the prevailing statutory duties, taxes, levies, octroi, etc. At the time of quoting/Tendering contractor should keep the above fact in mind.

4.26. DETERMINATION OF CONTRACT DUE TO FIRM/CONTRACTOR'S DEFAULT CONDITIONS LEADING TO DETERMINATION OF CONTRACT

- 4.26.1. If the Firm/Contractor
- a) Becomes bankrupt or insolvent; or
 - b) Makes arrangements with or assignment in favour of his creditor, or agrees to carry out the contract under a committee of inspection of his creditors; or
 - c) being a company or corporation goes into liquidation by a resolution passed by the Board of Directors / General Body of the shareholders or as a result of court order (other than voluntary liquidation for the purpose of amalgamation or reconstruction); or

- d) Has execution levied on his goods or property or the works; or
- e) assigns or sublets the contract or any part thereof otherwise than as provided for under conditions of this contract, or abandons the contract; or
- f) Persistently disregards instructions of the DFCCIL official or contravenes any provisions of the contract; or
- g) Fails to take steps to employ competent and / or additional staff and labour, or promises, offers or gives any bribe, commission, gift or advantage, either himself or through his partners, agents or servants to any officer or employee of the DFCCIL, or to any person on their behalf, in relation to obtaining or execution of this or any other contract with the DFCCIL; or
- h) Suppresses or gives wrong information while submitting the tender.

4.26.2. In any such case the DFCCIL may serve the Firm/Contractor with a notice in writing to that effect and if the Firm/Contractor does not, within 7 days after delivery to him of such notice, proceed to make good his default in so far as the same is capable of being made good, and carry on the work or comply with such instructions as aforesaid to the entire satisfaction of the DFCCIL, the DFCCIL shall be entitled after giving 48 hours' notice in writing to terminate the contract, as a whole or in part or parts (as may be specified in such notice).

4.27. DETERMINATION OF CONTRACT ON DFCCIL/ENGINEER'S ACCOUNT

4.27.1. The DFCCIL shall be entitled to determinate the contract, at any time, should, in the DFCCIL opinion, the cessation of works becomes necessary, owing to paucity of funds or due to court orders or from any other cause whatsoever. Notice in writing from the DFCCIL of such termination and reasons therefore, shall be conclusive evidence thereof. In case of determination of contract on DFCCIL account as described above, the claims of the Firm/Contractor towards expenditure incurred by him in the expectation of completing the whole works, shall be admitted and considered for payment as deemed reasonable and are supported by the documents / vouchers etc., to the satisfaction of DFCCIL. The decision of the DFCCIL on the necessity and propriety of such expenditure shall be final and conclusive. However, the Firm/Contractor shall have no claim to any payment of compensation or otherwise, on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not in consequence of determination of contract under this clause.

4.28. LABOUR RULES

4.28.1. The contractor shall have to follow all rules and regulations pertaining to payment of Minimum Wages Act as notified by Central Government as applicable for project sites. The contractor shall also be responsible for observance of labour regulations in respect of labour welfare, EPF, ESI, Bonus and Gratuity etc. to employees/labour.

4.29. COMPLIANCE OF VARIOUS ACTS:

4.29.1 The contractor shall ensure strict compliance of Payment of Wages Act 1936, Employment of Children Act 1938, Untouchability (Offences) Act 1955, Workmen's Compensation Act 1923, Relevant Central / State Labour Laws, Employees State Insurance Act 1948, Labour Act and Employees Provident Fund Act 1952, Contract

Labour and Employment Act along with any Statutory Modifications there of or rules clarifications or otherwise and all the provisions as amended from time to time and DFCCIL shall stand indemnified from and against any claims/penalty under the aforesaid act.

4.30. CHILD LABOUR (PROHIBITION AND REGULATION) ACT- 1986.

- 4.30.1 The employment of any person less than Eighteen years (18 years) of age shall be prohibited from DFCCIL's works. The contractor shall be responsible for not confirming to the provisions of the act and DFCCIL shall stand indemnified from and against any claims/penalty under the aforesaid act.

4.31. SETTLEMENT OF DISPUTES (Clause 63 and 64 of Standard GCC April 2022 shall apply)

4.32. Conciliation of Disputes:

1. This clause is applicable in the tender having an advertised value less than or equal to Rs 50 Crore.
2. 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 "Chief General Manager" or " General Manager/Co-ord" 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 Employer. Chief General Manager or General Manager/Co-ord shall, within 30 days after receipt of the Contractor's "Notice of Dispute", notify the name of conciliator(s) to the Contractor.
3. The Conciliator(s) shall assist the parties to reach an amicable settlement in an independent and impartial manner within the terms of contract.
4. 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 In-charge, Contractor and conciliator(s). When the parties sign the settlement agreement, it shall be final and binding on the parties.
5. 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.
6. The conciliation proceedings shall be terminated as per Section 76 of 'The Arbitration and Conciliation Act, 1996.

4.33. AWARD TO BE BINDING ON ALL PARTIES

- 4.33.1. The award of the Sole Arbitrator, unless challenged in court of law, shall be binding on all parties.

4.34. SUBSTITUTE ARBITRATORS

- 4.34.1. If for any reason an Arbitrator is unable to perform his function, a substitute shall be appointed in the same manner as the original arbitrator.

4.35. INTEREST ON AWARDED AMOUNT

- 4.35.1. Where the arbitral award is for payment of money, no interest shall be payable on the whole or any part of the money for any period till the date on which the award is made.

4.36. SETTLEMENT THROUGH COURT

- 4.36.1. It is a term of this contract that the Tenderer 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 provisions of arbitration & conciliation provided in the agreement.

4.37. EXCEPTION

- 4.37.1. For settlement of disputes with central PSUs, the procedure as per existing orders of Permanent Machinery for Arbitration (PMA), Bureau of Public Enterprises, and Govt. of India shall be followed.

4.38. JURISDICTION OF COURTS

- 4.38.1 Jurisdiction of courts for dispute resolution shall be Vadodara only.

5. CHAPTER- 5:

SPECIAL CONDITIONS OF CONTRACT AND SPECIFICATIONS

Name of work: Supply, Installation, Testing and Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including networking with RTU/Data logger at all 22 ALHs and 5 THs of CGM BRC Unit jurisdiction.

5.1. INTRODUCTION: -

5.1.1. Dedicated Freight Corporation of India (DFCCIL) is a Public Sector Undertaking under the administrative control of Government of India (Ministry of Railways) for construction, maintenance, and operation of the Dedicated Rail Freight Corridors. At present the company is undertaking construction of Eastern & Western corridors and has its corporate office at New Delhi and Field Units in various cities.

5.2. DETAILED SCOPE OF WORK

5.2.1. LOCATION OF SITE

The work is to be carried out at Five (05) stations, 22 ALHs and 5 THs of CGM BRC Jurisdiction.

5.2.2. SCOPE OF WORK

- a) The scope of works includes the provision of Automatic fire detection and alarm system at various locations of Signal & Telecom installation as per RDSO specification RDSO/SPN/217/2021 Version 3.0 or latest, Supply and laying of 24F OFC.
- b) This also included Supply of material, multiple loading/unloading, transportation, installation, testing and commissioning of system, maintaining and free replacing of parts in warranty period.
- c) Networking of all ALH/TH with its controlling stations.
- d) Networking of all five stations with DFCCIL OCC Ahmedabad for centralized monitoring & storage of all alarms.
- e) Supply and installation of GUI software along with all necessary license for control panel (RDSO approved & RDSO inspected).
- f) Integration of all AFDAS with the existing data-logger/RTU and configuration of SMS alert and alarms as per requirement of DFCCIL.
- g) Contractor will supply the material and do the work as detailed in Schedules of work. The work will be carried out invariably in the presence of the DFCCIL representative.

5.2.3. SYSTEM OF QUOTING RATES

The entire work is divided into the following Schedule.

Schedule Supply, installation and commissioning of work Against each item of schedules, the rates estimated by DFCCIL are written and total is drawn for

each schedule. The tenderer is required to quote the percentage above/below the Railway's total estimated cost of the schedules.

LOCAL CONDITIONS: It will be imperative on each tenderer to fully acquaint himself with all the local conditions and factors which would have any effect on the performance of the contract and cost of the work. The railway administration shall not entertain any request for clarifications from the tenderer regarding such local conditions. No request for change of price or time schedule of completion shall be entertained after the offer is accepted by the DFCCIL on account of any local condition or factor.

- 5.2.5. If the tenderer is not RDSO approved vender for Automatic fire detection Alarm System, then he shall have a MoU / authorization with RDSO approved vender (i.e. OEM) for the supply, installation, testing and commissioning of the AFDAS including after sales support during the warranty period. MoU/Authorization with OEM in this regard to be submitted along with offer, failing which offer shall be summarily rejected.
- 5.2.6. S&T disconnection memo is to be issued in case of safety related work by concerned authorized DFCCIL Staff and contractor's gang has to wait till disconnection is allowed without deserting the work site. If the gang members of the contractor have to leave the work site, prior permission of site DFCCIL official is necessary.
- 5.2.7. RDSO or any third-party inspection charges are to be borne by the contractor.
- 5.2.8. Locations where the AFDAS work need to be executed are as follows:

ALH/TH & GSM-R Tower Details				
Sr. No.	Block Section	ALH No.	Chainage (in KM)	Continuous Chainage (in KM)
1	Makarpura-Varediya	ALH150	129.050	418.917
2		ALH151	123.250	413.117
3		ALH152	117.500	407.367
4		ALH153	111.420	401.287
5		ALH154	105.450	395.317
6		ALH155	99.465	389.332
7	Varediya	Station	95.465	385.332
8	Varediya-Sanjali	ALH156	89.897	379.764
9		ALH157	84.153	374.020
10		ALH158	78.389	368.256
11		ALH159	72.605	362.472
12	Sanjali	Station	67.400	357.267
13		TH-1	62.550	352.417
14		ALH160	61.699	351.566
15		TH-2	57.405	347.272
16		ALH161	55.877	345.744

17	Sanjali-Gothangam	TH-3	54.244	344.111
18		ALH162	50.009	339.876
19		ALH163	44.142	334.009
20		ALH164	38.279	328.146
21		ALH165	34.317	324.184
22	Gothangam	Station	29.385	319.252
23	Gothangam - Udhna	ALH166	24.110	313.977
24		ALH167	18.525	308.392
25	Udhna	Station	13.094	302.961
26	Udhna - Bhestan	ALH168	B10.075	298.942
27		TH-4	7.096	293.963
28		ALH169	5.115	291.982
29	Bhestan	Station	4.550	291.417
30	Bhetsan - Ancheli	TH-5	1.186	288.053
31		ALH-170	-	285.888
32		ALH-171	-	280.033

- 5.2.9. The work shall be done as per instruction issued by DFCCIL site-incharge. DFCCIL's SSOD (Standard Schedule of Dimensions) shall be followed to avoid any infringement during execution of work at the site.
- 5.2.10. The Contractor shall ensure the safety of existing assets like cables, location box, signals etc. during activities like trenching, cable laying etc. and if, any of the existing cables get damaged during the work, the repairing /replacement of the same shall be done by the Contractor at his own cost.
- 5.2.11. The Contractor shall ensure to take all safety measures during the execution of the work.
- 5.2.12. Traffic and/ or power block may be required during replacement, maintenance, refixing of S&T assets/gears etc. However, the block will be provided giving priority to train operation. The work will be executed in proximity of running electrified Railway track hence, the contractor will have to take necessary precautions for safety of men, material and machinery and nothing extra will be paid on this account.
- 5.2.13. There are OFC Cables/Electric cables/S&T cables and other utilities or services laid underground along track and necessary precautions will have to be taken to protect these cables. If any DFCCIL asset is damaged is cut during execution of work or otherwise, a penalty as per DFCCIL policy / Railway board policy circular No. 41 or latest will be imposed on the agency and necessary recovery on this account will be made from the running bills of the Contractor. Safety of staff employed responsibility of contractor.

- 5.2.14. Before commencing the work, the contractor shall submit lay out diagram. The same has to be got approved by DFCCIL.
- 5.2.15. Equipment/material in the schedule where RDSO/IS specification has not been stipulated, shall be procured from manufacturers of repute / their authorized dealers/ approved source.
- 5.2.16. All the materials to be supplied by the Contractor need to be supplied at the nominated work sites as required and instructed by DFCCIL site-incharge. The loading, unloading and transportation of these materials to the site of work will have to be done by the Contractor at its own cost. The security of the material brought to the site of work will remain with the Contractor till the material taken over and accepted by DFCCIL.
- 5.2.17. All the material and workmanship to be used in this work shall be of extremely good quality, reputed make and shall have appropriate class in every respect and is expected to give trouble free service. DFCCIL shall have full power to reject any material that it may consider to be defective or inferior in quality, workmanship or otherwise not in accordance with the Specification and the DFCCIL's decision shall be final, even though they might have been inspected by RDSO/RITES or any other firm. The Contractor shall remove forthwith any such material rejected and replace them promptly at his own cost.
- 5.2.18. Approved Design/Drawings shall be made available to the successful tenderer on request, to identify the location of existing S&T cables and other equipment, wherever required, during the execution of work like trenching/laying/connection of Power Cables and earthing etc. at the site as per requirement, so as to ensure that no damage is done to existing healthy cables and other S&T gears/equipment. DFC representative shall assist the successful tenderer to interpret the drawings and specifications.
- 5.2.19. After the issue of the Letter of Acceptance, the successful tenderer shall inform the concerned JPM/APMs/Dy.PMs (S&T) of DFCCIL as per their respective jurisdiction, prior to start any execution of work at any location.
- 5.2.20. Before carrying out the digging, trenching or any other earth related works, the Contractor shall ensure to locate & safeguard the known and unknown underground utilities by using a pre-approved scanning Equipment. The Equipment to be used for scanning shall be got approved from DFCCIL.
- 5.2.21. Inspection of material, filling of the measurement book issued by DFCCIL shall be the responsibility of S&T Executive/Sr. Executive nominated by the Concerned officers, which further has to be certified by the concerned JPM/APM/Dy.PM of S&T dept.

5.3. TIME SCHEDULE

- 5.3.1 The work shall be completed in 06 months from the date of issue of LOA (Letter of Acceptance). The Contractor shall be expected to supply the materials and mobilize the manpower for execution of schedule work immediately after receipt of LoA. The time required for mobilization should also be advised to DFCCIL.

5.4. PAYMENT TERMS

5.4.1 Payment against purely supply of items (Schedule A)

Items having Separate installation schedule or to be installed by contractor for commissioning of other schedule items or for commissioning of AFDAS in all manner.

i). 80% (eighty percent) payment of accepted rates shall be made on receipt of materials at specified locations of DFCCIL and on submission of the following documents: -

- (a) Original Inspection certificate issued by concerned Inspecting authority (if applicable).
- (b) Challan /Invoice.

ii). 10% (Ten percent) payment of accepted rates shall be made after the satisfactory installation of the system / sub-system (including all wiring, fixing etc.) of that particular equipments.

iii). Balance of 10% (Ten percent) of the payment of accepted rates shall be made after completion /commissioning of entire work.

5.4.2 Payment against pure execution items (Schedule B)

i). 90% (Ninety percent) payment of accepted rates shall be made upon execution of the item on the basis of the certified measurement of work jointly recorded in the measurement book by the representative of DFCCIL and contractors" representative.

ii) Balance 10% (Ten percent) of the payment shall be made after completion of entire work.

5.4.3 Payment against Supply & execution items (Schedule C)

i) 70% (seventy percent) payment of accepted rates shall be made upon supply component of the item on delivery to the nominated locations of the DFCCIL and on submission of the following documents: -

- a) Original Inspection certificate issued by concerned Inspecting authority (if applicable).
- b) Challan /Invoice.

ii) 20% (Twenty percent) of the payment of accepted rates shall be made after the satisfactory installation of the system / sub-system (including all wiring, fixing etc.) of that particular equipments on submission of installation certificate.

iii) Balance of 10% (Ten percent) of the payment of accepted rates shall be made after completion of entire work.

5.4.4 Payment shall be made after making required deductions towards taxes to be deducted at sources as per extant rules/law in force.

5.5. WARRANTY

All the items supplied by the contractor as well as installation shall carry warranty as per RDSO specification No. RDSO/SPN/217/2021 Version No. 3.0 or latest, Para no. 12.0 i. e. the manufacturer shall give a warrantee of 24 months from the date of supply for the equipment supplied under this specification. If any equipment supplied by the contractor gets faulty during the warranty period, it shall be replaced immediately by the contractor free of cost. For this, the contractor must have sufficient quantity of equipments as spare for replacement during the warranty period.

5.6. SPARES

The OEM/Tenderer shall provide spares as per RDSO specification No. RDSO/SPN/217/2021 Version No. 3.0 or latest or specification available at the time of installation and supply, Para no. 4.15 i. e :- The following mandatory spares shall be supplied for each installation:

- a) 10% for modules, detectors, and loop cards, subject to minimum of one number for each installation.
- b) The CPU card and Power Supply card, minimum one number as spare shall be provided for every five installations, subject to a minimum of one number for less than five installations.

5.7. TRAINING

The manufacturer shall impart suitable training in operation & maintenance inspection & testing of the AFDAS.

5.8. OBLIGATION OF THE CONTRACTOR

- 5.8.1. All items are to be procured as per RDSO specification/drawings from RDSO's approved firms as enlisted in latest vendor list of RDSO in accordance with Rly. Board letter no. 99/RS(G)/709/1, Dtd. 18.11.2016. If RDSO's approved vendor is not available for any material, then material may be procured from any other firm as approved by DFCCIL.
- 5.8.2. The Contractor will, for the purpose, aforesaid continuously monitor the work done & services being rendered by it to ensure that these are up to the standards required by DFCCIL.
- 5.8.3. The Contractor shall comply with the statutory requirements; rules and regulations applicable to labors and shall obtain all necessary registrations, licenses, approvals, and sanctions under the laws applicable.
- 5.8.4. The Contractor shall adhere to and comply with all the laws that may be applicable to them and will extend all the benefits/privileges as applicable to person engaged /employed by them including that of PF, ESI, Workmen's compensation Act, Bonus, Gratuity, minimum wages Act and leave, etc. In case of any breach of any law, rules, notifications applicable to the employees of the Contractor, the Contractor alone shall be responsible and liable for any act(s) of omission and/or commission committed by any employee, agent for discharging the obligations under this contract

- 5.8.5. The Contractor shall obtain appropriate license under the Contract Labour (Regulation and Abolition) Act, 1970 and the rules as amended up to date and shall comply with all terms and condition thereof strictly and shall keep such license duly validated and/or renewed from time to time throughout the currency of this contract.
- 5.8.6. Notwithstanding anything herein contained, the Contractor will be liable to adequately compensate DFCCIL for any loss or damage occasioned by any act, omission or laps on the part of the Contractor or of any persons deployed by its pursuant to the contact.
- 5.8.7. The Contractor is aware that the services similar to those covered by this contract are being or may hereafter be rendered in the premises by other entities also and will not, at any time, object to or interfere in any manner with the rendering of such Services by any such other entities.
- 5.8.8. The Contractor shall indemnify and keep DFCCIL indemnified and harmless from and against all disputes, claims, fines, penalties, litigations criminal as well as civil that may be initiated against the DFCCIL on account of and/ or arising out of the failure of the Contractor to adhere to any statutory requirement, or to follow such rules regulations, guidelines or procedures as may be required under any statute or directive.
- 5.8.9. It is mandatory that Contractor provides adequate insurance cover to the contractors' persons for death, disabilities, sickness etc. DFCCIL shall not be liable to pay or bear any premium / compensation at any stage in respect of Insurance made by the Contractor to cover the risk (death, disability, sickness).
- 5.8.10. The Contractor shall provide identity cards bearing the photographs to all of its persons deployed in the present DFCCIL contract at its own cost.
- 5.8.11. Any damage, deterioration, loss caused to DFCCIL property due to negligence, carelessness on the part of the workmen employed by the contractor, shall be made good by the contractor at his own cost. If he fails to do this, DFCCIL shall be within their rights to affect necessary recoveries from the Contractor's bill or through other means as per the law.
- 5.8.12. DFCCIL Administration shall not be responsible for any injury or loss of life or sickness of the workmen or of any individual involved in the contract (deployed by the agency/service provider/contractor) during the course of their duties or out of their duty hours. Any statutory liabilities which may arise shall be to the agency / contractor(s) / service provider's account.
- 5.8.13. The agency / service provider / contractor shall take out and keep in force a policy and policies of insurance against all liabilities and recognized risks in respect of accidents to persons employed by the contractor for the purpose of carrying out the works of this contract.
- 5.8.14. The agency / service provider /contractor should note this provision especially in respect of staff deployed by him and should take necessary insurance cover and safeguards against the recognized risks for his worker/staff. Any compensation to the staff because of accidents in their duties will be payable by the contractor to his workers/dependents.
- 5.8.15. AFDAS system shall be of RDSO approved firm. Installation shall be done by OEM. Installation shall be done as per RDSO guideline and as per instruction of site Engg. Any component, wires and accessories including power supply arrangement

required for successful functioning and commissioning, shall be supplied/arranged by the contractor and cost of Tender is inclusive of above items.

5.9. RATES

- 5.9.1. The rates quoted and accepted by DFCCIL shall be firm and final for the currency of contract.
- 5.9.2. All statutory taxes including GST and liabilities levied / leviable by the Central & State Government or any other governing authority/agency from time to time shall be borne by the contractor and the rate shall be inclusive of all such liabilities.
- 5.9.3. For all the Schedule items detailed in Section-6 of the Tender document, the rates are inclusive of all taxes including GST.
- 5.9.4. For all Schedule items in Section-6 of the Tender document, GST, as admissible, shall be paid only on submission of proof of depositing the same to the concerned Govt. Authority. Any modification in tax provision in future by Govt. will be binding on the contractor and DFCCIL with immediate effect.

5.9.5. Rates for Extra Item(s) of Works:

- i). **Standard Schedule of Rates (SSOR) Items:** Any item of work carried out by the Contractor on the instructions of the DFCCIL which is not included in the accepted Bill(s) of Quantities but figures in the Standard Schedule of Rates (SSOR), shall be executed at the rates set forth in the "Standard Schedule of Rates (SSOR)" modified by the tender percentage as accepted in the contract for that chapter of Standard Schedule of Rates (SSOR).
- ii). **Other Items:-** For any item of work to be carried out by the Contractor but not included in the accepted Bill(s) of Quantities and also not covered under sub clause (i) above, the Contractor shall be bound to notify the DFCCIL at least seven days before the necessity arises for the execution of such items of works that the accepted Bill(s) of Quantities 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 DFCCIL 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 by taking guidance from the following documents in order of priority:
 - a). Analysis of Rates for "Unified Standard Schedule of Rates of Indian Railways (USSOR)"
 - b). Analysis of Rates for "Delhi Schedule of Rates issued by CPWD (DSR)"
 - c). Market Analysis

5.10. VARIATIONS IN EXTENT OF CONTRACT

- 5.10.1 **Modification to Contract to be in Writing:** In the event of any of the provisions of the contract required 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 Railway unless and until the same is incorporated in a formal instrument and signed by the DFCCIL and the Contractor, and till then the DFCCIL shall have the right to repudiate such arrangements.
- 5.10.2 **Powers of Modification to Contract:** - DFCCIL shall be entitled by order in writing to enlarge or extend, diminish or reduce the works or make any alterations in their design, character position, site, quantities, dimensions or 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 but will be paid only for the actual amount of work done and for approved materials supplied against a specific order.
- 5.10.3 **Quantity Variation:** - Unless otherwise specified in the special conditions of the contract, the accepted variation in quantity of each individual item of the contract would be upto 25% of the quantity originally contracted, except in case of foundation work (in which no variation limit shall apply). However, the rates for the increased quantities shall be as per sub- para (ii) below:-
- i). 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 upto the limit of 25% variation in quantity of individual item of works.
 - ii). In case an increase in quantity of an individual item by more than 25% of the agreement quantity is considered unavoidable, then the same shall be executed at following rates
 - a) Quantities operated in excess of 125% but upto 140% of the agreement quantity of the concerned item, shall be paid at 98% of the rate awarded for that item in that particular tender;
 - b) Quantities operated in excess of 140% but upto 150% of the agreement quantity of the concerned item shall be paid at 96% of the rate awarded for that item in that particular tender;
 - c) Variation in quantities of individual items beyond 150% will be avoided and would be permitted only in exceptional unavoidable circumstances and shall be paid at 96% of the rate awarded for that item in that particular tender.
 - d) Variation to quantities of Minor Value Item: The limit for varying quantities for minor value items shall be 100% (as against 25% prescribed for other items). A minor value item for this purpose is defined as an item whose original agreement value is less than 1 % of the total original contract value
 - i). Quantities operated upto and including 100% of the agreement quantity of the concerned minor value item, shall be paid at the rate awarded for that item in that particular tender;

- ii). Quantities operated in excess of 100% but upto 200% of the agreement quantity of the concerned minor value item, shall be paid at 98% of the rate awarded for that item in that particular tender;
- iii). Variation in quantities of individual minor value item beyond 200% will be avoided and would be permitted only in exceptional unavoidable circumstances and shall be paid at 96% of the rate awarded for that item in that particular tender.

5.10.4 Valuation of Variations: The enlargements, extensions, diminution, reduction, alterations or additions referred to in Sub-Clause (5.10.3) 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 expressively included and provided for in the Specifications and Drawings and the amounts to be paid therefor shall be calculated in accordance with the accepted Bill(s) of Quantities. Any extra item(s)/quantities of work falling outside the purview of the provisions of Sub-Clause (5.10.3) above shall be paid for at the rates determined under Clause-5.9.5 of these Conditions.

5.11. DOCUMENTATION

The OEM/Tenderer shall provide documentation as per RDSO specification No. RDSO/SPN/217/2021 Version No. 3.0 or latest or specification available at the time of installation and supply, Para no. 11.0 i. e :-

The following documents shall be supplied along with each system –

- a) Guaranteed performance data.
- b) One copy of Installation and maintenance manual. This should include the following information –
 - (ii) Schematic block diagram showing mounting arrangement of various modules/PCB.
 - (iii) Details of Hardware e.g. schematic diagrams of the system details for each type of assembled PCB and part list.
 - (iv) Mechanical drawings of every unit.
 - (v) Details/procedure of trouble shooting of AFDAS.
 - (vi) Dos & Don'ts (Pocket size laminated cards);
 - (vii) The vendor shall arrange for pre-installation, pre-commissioning and maintenance check lists for successful installation, commissioning, and maintenance of the AFDAS system.

5.12. PENALTY

During Execution and Warranty period if contractor fails to maintain the system in working conditions as per the satisfaction of the DFCCIL, DFCCIL reserves the right to impose a penalty as decided by the Executive-In-Charge of the work. The penalty may be deducted by DFCCIL from running bills of the work or from BG or SD as the case may be.

5.11 Implementation of Integrity Pact in DFCCIL: -

As per office memorandum no F.No DPE/13(12)/11-Fin Dated 09.09.2011 issued by Ministry of Heavy Industries (DPE) all PSU should enter into Integrity pact in the required Performa in their procurement transaction/ Contracts with suitable changes specific to the situation in which the pact is to be used. The pact, entering into which would be a preliminary qualification for any bidder, essentially envisages an agreement between the prospective vendors / bidders and the DFCCIL, committing the persons/ officials on both sides not to resort to any corrupt practices in any aspect / stage of the contract.

The pact has to be implemented through a panel of independent external monitor who will review independently and objectively the compliance of the obligations by both the parties. As these IEM's are to be appointed by the CVC in consultation with the CVO and are being processed separately.

A copy of pre contract integrity pact is enclosed at **Annexure -X** for signature of bidder as acceptance.

The details of present DFCCIL's IEMs are as under:

- a) Shri. V. Kannan, Ex-CMD, Vijaya Bank,
Address: TA-1, Krishna Regency,
Third Floor, Tata Silk Farm,
K R Road, Basavanagudi, Bangalore-4,
Mobile No.08105305555,
(email: Kannan.venkata@gmail.com)
- b) Ms. Rashmi Verma, IAS (Retd.)
Address: D-87, Ground Floor,
Panchsheel Enclave, New Delhi – 110017
Mobile No.9810735544,
(email: verma.rashmi@rediffmail.com)

5.11 Tax Deduction at source (TDS):- TDS shall be deducted as applicable.

5.12 Inspection- Quality Assurance at Site/Field: -

As per the requirement of Site Engineer of DFCCIL .

5.13 Other Facilities / Requirements: - If any, it shall be under Contractor's Scope.

5.14 Safety Requirements: - Uncompromising Quality and Safety standards are considered as part of work carried out at all Work Sites of DFCCIL and therefore Zero Tolerance towards non-compliance. Site activities require total compliance to safety procedures and guidelines as provided on I.R.GCC April-2022 or latest with latest amendments. Accordingly, at all work sites where your personnel deployed, shall comply to Safety Procedures and Norms. The complete safety of contractor's men and material lies wholly with the contractor. DFCCIL shall not be held responsible for any untoward incident in this regard.

5.15 Penalties for Safety Lapses: -Any violation in adhering to the terms and conditions stipulated in I.R.GCC April-2022 or latest would also attract penalties payable by contractor as per I.R.GCC April-2022 or latest.

5.16 Mandatory updation of Labour data on IR Shramik Kalyan Portal and Shram Suvidha Portal by Contractor.

- A. Contractor is to abide by the provision of payment of Wages act & Minimum Wages act in terms of clause 54 and 55 of Indian Railways General Condition 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 of portal shall be done as under:-
- (a) Contractor shall apply for onetime registration of his company/firm etc. in the shramik kalyan portal with requisite details subsequent to issue of letter of Acceptance. Engineer shall approve the contractor's registration on 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 LOAs issued in his favour.
 - (c) The contractor once registered on the portal, shall provide details of his letter of Acceptances (LOA)/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 labourers & payments made thereof after each wage period.
- B. While processing payment of any "On Account bill" or Final bill or release of 'Advances' or Performance Guarantee/Security deposit' contractor shall submit a certificate to the DFCCIL or DFCCIL 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."

6. CHAPTER: -6**Tender No: DFC-BRC-SnT-AFDAS-25-314**

Name of Work: Supply, Installation, Testing and Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including networking with RTU/Data logger at all 22 ALHs and 5 THs of CGM BRC Unit jurisdiction

Schedule of Approximate Quantities & Rate (BoQ)

Sr. No.	Item Description	Unit	Qty	Rate	Total Amount
Schedule A: - Supply of items					
1	Supply of HDPE duct 40/33 mm as per TEC GR No. G/CDS08/02 NOV-2004 with latest amendments as available. For each Km of HDPE duct following items are to be supplied a) End Plugs-2 Nos b) Cable sealing plugs - 2 Nos. c) Plastic couplers slip fit/push fit type - 2 Nos d) End plugs to be provided along with drum-2 nos.	KM	10	60417	604170
2	Supply of OFC CABLE 24 FIBER AS PER RDSO SPEC IRS/TC 55/2006 REV.1 WITH LATEST AMDT (Inspection: - RDSO)	KM	10	95,580	955800
3	Medium Class G.I. Pipes to IS : 1239 (Pt. I)-2004 or latest; 100mm dia. (int. dia) 3.65 mm+/- 10% thick with coupling. G.I. pipes shall have ISI mark on it and the contractor should submit the manufacturer's test certificate of G.I. pipes.	Running Metre	100	764.0325	76403.25
4	Warning Flasher kit for ALH /TH as per circuit design	Set	5	1804.9689	9024.8445
5	Dual tone bell / buzzer with flasher arrangement 25W horn, (Make of any ISI approved firm) working voltage as per circuit design	Set	5	8694.2268	43471.134
6	Automatic Media changeover of Modems working on redundant channels for data transmission on OFC / Quad / Microwave Radio.	Numbers	10	34012.8747	340128.747
7	Flexible cable (Power wire), multi-strand copper conductors' cross section 1x6 Sq.mm. (85 conductors each diameter 0.30 +/- 0.01) as per IS 694/1990 with insulation thickness of 0.80 mm nominal conductor resistance 3.30 ohms/km and test parameters are as per IRS(S)76/89.	Kilometer	7	47988.6498	335920.5486

Schedule B: - Execution of Indoor & Outdoor works

8	Design of circuits and plans to suit layout given in the building plan of ALH/ TH/ HUT. All plans and wiring diagrams shall be prepared on Auto cad Drawing and supplied with CD. This will include supply of Control cum Indication panel diagram, NOTE: a) Guaranteed performance data. b) One copy of Installation and maintenance manual. This should include the following information – (ii) Schematic block diagram showing mounting arrangement of various modules/PCB. (iii) Details of Hardware e.g. schematic diagrams of the system details for each type of assembled PCB and part list. (iv) Mechanical drawings of every unit. (v) Details/procedure of trouble shooting of AFDAS. (vi) Dos & Don'ts (Pocket size laminated cards); (vii) The vendor shall arrange for pre-installation, pre-commissioning and maintenance check lists for successful installation, commissioning, and maintenance of the AFDAS system.	ALH/TH	27	7076.3301	191060.9127
9	Manual Horizontal Auger boring for crossing of Road at depth of 1.0m/1.02m from ground level including insertion of 100mm dia (with thickness 3.65mmm) GI pipes/couping etc. all complete as per direction of engineer in charge. supply of GI pipes is covered separately in schedule 'A'	Running Metre	100	1053.9018	105390.18
10	Cutting of Hard rock in trenches /Preparation of cable way/Chase 150mm wide at the bottom and 300 mm deep in hard rock (Drg prepared by contactor & approved by Engineer In charge) for laying of S&T cables where minimum required depth not possible, which is verified and agreed by Engineer In charge of the work or his representative. refilling the same with concrete mixture of 1:3:6 from top of the cable way/ chase. Payment of concrete will be made separately through a seperate item in the schedule of work.	Cum	20	501.9462	10038.924

11	Laying of S&T Cables of various cores/ pairs/ quads in trenches/ GI pipes/ RCC pipes/ DWC pipes/ Trunking. This also includes laying cables in track crossings & road crossings. Item includes provision of labels of coloured plastic adhesive tapes or any other identifiable material on each cable to give the cable number at each G.P. (Cables will be meagered before and after its laying by contractor under supervision of DFCCIL Representative and he will submit the meagering report of each testing). Length of the cable laid includes the length of the cable coiled for termination purposes.	Kilometre	3	10187.1	30561.3
12	Placing DWC/RCC/GI pipes along with collars in trenches at places of track and road crossings, platform cuttings etc.	Running Metre	100	34.2657	3426.57
13	Fixing of GI pipes for crossing the culverts, bridges etc. and concreting of ends with brick masonry at both ends as per the instruction of DFCCIL engineer at site.	Running Metre	100	203.742	20374.2
14	Supply and installation of RCC cable route marker engraved and painted on both sides along the route every 50mm and route diversion as per approved drawing or latest/ Stone marker.	Numbers	50	401.0013	20050.065
15	Excavation of cable trench as per cable route plan, 1.2 Mtr. deep and of 0.3 Mtr. to 0.6 Mtrs wide advised by Engineer-in-charge alongside the track in normal (all type) soil/strata, conforming to distances as per cable route plan and refilling. This work includes clearing of route from bushes etc, covering cable laid in trench by loose soil for a layer of 50mm thickness approximately before covering by bricks. The work shall be done as per the extant practice on DFCCIL and instructions of Railway Engineer at site. In case 1.2m depth of trench is not achievable due to site conditions, specific approval of DFCCIL will be required for each site where trench depth of 1.2m is not possible. Without the approval of DFCCIL, no payment for trenching will be made for trench depth less than 1.2m.	cum	1080	298.21	322066.80
16	Digging of trench 1.2 M deep from rail flange/ road level and, 0.3 Mtrs to 0.6 Mtrs wide and back filling after placing of DWC/ RCC/GI pipe. (Placing of DWC/RCC/GI pipe covered separately). The ballast disturbed be screened and dressed as required by Engineer-in-charge or his representatives and road tarred immediately. For track crossing and Road Crossing approved drawings are to be followed.	cum	100	306.5391	30653.91

17	Horizontal direction drilling/boring without damage of surface road using Auger Machine. The bore shall be 150 mm dia & shall be done at the depth of a minimum 1200 mm from the ground level. The ground level shall be considered ignoring the bank height of the bank of the road. The length of the bore shall be minimum 4 Mtrs long. this include insertion of different dia DWC pipe/ GI pipes coupling etc. as per direction of Engineer In charge.	Meter	7845	1349.355	10585689.98
18	Blowing/drawing of OFC cable in the HDPE pipe duct already provided in the trench and protective work. All the equipment/machinery required shall be arranged by the contractor as per DFCC engineer instruction.	KM	9	15719.508	141475.57
19	Splicing 24 core optic fibre cable and making the splicing joint with contractor's own machine and tools. Joint should be prepared in such a way that the top of the enclosure should be at a depth of a minimum of 1.2 mtr /1.6mtr including digging & extraction of OFC cut. Splice loss of each fibre should be within acceptable limits.	Nos	10	19088.760	190887.60
20	Laying / drawing of various type of cables on PVC pipe /capping casing, or cable trays, ladder, shelter etc. as instructed by DFCIL engineer at site. (Indoor cables to be drawn through pipe, outdoor cables if required to be clamped on wall/FI	Meter	5420	4.6305	25100.02
21	Alteration in RTU/ Datalogger and Software upgradation for Fire Alarm System (This includes integration of AFDAS system with Datalogger & configuration of SMS alerts & alarms etc.)	LS	22	35400	778800
Schedule C: - Supply and execution					
22	Supply, Erection, Testing and Commissioning of UL/EN/FM/Vds/LPCB approved Microprocessor based Networkable Analog addressable and modular type of Fire Alarm Control panel with display, in built changing facility and provision of GSM module suitable to send SMS to configured mobile numbers. The panel should be equipped with sufficient nos. of loops and provision of expandability as per RDSO Specification No. RDSO/SPN/217/2021 ver 3.0 of latest. The Control Panel shall be the central processing unit of the system. receiving and analyzing signals from Probe type bimetallic heat detectors, UV & IR flame detectors, Heat and Smoke multi sensors, LHS Interface and Manual call Points, providing audible and visual information to the user. The panel shall have provision of connectivity of	Numbers	27	71318.0349	1925586.942

	TCP-IP suitable for programming and remote monitoring. The panel shall have a dedicated RS-232 serial port for direct PC or MODEM connection, for interfacing with existing Data Logger optional remote printer. (As per RDSO Specification No. RDSO/SPN/217/2021 ver 3.0 or latest) (Inspection: - RDSO)				
23	Supply, Installation, Testing & Commissioning of Analogue Addressable Multisensor Detector with multiple sensitivity (adjustable at site) levels e.g. smoke, heat, rate of rise heat etc., programmable for timed automatic sensitivity selection with base, and other accessories as required as per RDSO specification no. RDSO/SPN/217/2021 ver 3.0 or latest. (Inspection: - RDSO)	Numbers	98	3161.7054	309847.1292
24	Supply, Installation, Testing & Commissioning of Manual call points, addressable & resettable, with Inbuilt isolator or alternate arrangement. Shall comply to the specification No. RDSO /SPN /217 /2021 ver 3.0 or latest. (Inspection: - RDSO)	Numbers	27	4457.3193	120347.6211
25	Supply, Installation, Testing and Commissioning of Analogue Type Linear Heat Sensing cable (LHS) as per the RDSO Specification RDSO/SPN/217/2021 ver 3.0 or latest (Inspection: - RDSO)	Metre	1500	816.8202	1225230.30
26	Supply, Installation, Testing and Commissioning of Interface modules for Linear Heat Sensing cable (LHS) and control panel along with one zone module as per the RDSO Specification RDSO/SPN /217/2021 ver 3.0 or latest (Inspection: - RDSO)	Numbers	27	94601.115	2554230.105
27	Supply, Installation, Testing and Commissioning of aspirating (Air Sampling) Type smoke detector with four zone interface module and isolator with power supply unit, back box and all other accessories, CPVC pipe as per actual requirement at site (required for aspirating (Air Sampling) Type smoke detector) and all other necessary accessories as per the RDSO Specification RDSO/SPN/217/2021 ver 3.0 or latest) (Inspection: - RDSO)	Numbers	27	181624.88	4903871.755
28	Supply, Installation, Testing and Commissioning of UV/IR Flame detector with all required modules as per RDSO/SPN/217/2019 Ver.3.0 or latest (RDSO Specification RDSO/SPN/217/2021 ver 3.0 or latest.) (Inspection: - RDSO)	Numbers	54	81675.5373	4410479.014

29	Supply, Installation, Testing & Commissioning of Hooter cum Strobe complying to the specification No. RDSO/SPN/217/2021 Ver.3.0 or latest. (Inspection: - RDSO)	Numbers	27	6609.5757	178458.5439
30	Supply, Installation, Testing & Commissioning of Fire survival integrity cable 2Cx 1.5sq mm twisted shielded armored copper cable with accessories as per the specification No. RDSO/SPN/217/2021 ver 3.0 or latest. (Inspection: - RDSO)	Metre	5600	87.0534	487648.00
31	Supply, Installation, Testing & Commissioning relay module with back box and all other accessories as per the RDSO specification No. RDSO/SPN/217/2021 ver 3.0 or latest. (Inspection: - RDSO)	Numbers	27	4423.9797	119447.4519
32	Supply and fixing PVC pipe of 25 mm size of IS standards on wall/floor etc All necessary items like screws/nails required to be supplied by contractor. Inspection by representative.	Metre	5420	39.8223	215836.87
33	Supply, Installation, Testing & Commissioning of analogue Addressable Loop Power monitor module with inbuilt isolator complying to RDSO/SPN/217/2021 ver 3.0 or latest (Inspection: - RDSO)	Numbers	162	7289.3331	1180871.96
34	Supply, installation, wiring, testing and commissioning of embedded fanless PC or Server PC with required hardware and operating system (Including operating system software and SQL server license version etc.) It includes supply, installation, testing and commissioning of Graphic software (GUI) along with license for control panels to monitor the health of detectors and modules along with control panel. The software shall be accessible over TCP/IP module and shall comply to RDSO/SPN/217/2021 Ver 3.0 or latest. (GUI Software RDSO Inspection)	Station	5	521059.978	2605299.89
	GRAND TOTAL (Including GST)				3,50,57,650.13

The rate will be% (Percentage) below/above/at par of each schedule total Cost (to be filled by the bidder in **figure**)

The rate will be (Percentage) below/above/at par of each schedule total Cost (to be filled by the bidder in **words**).

Notes/Conditions: -

1. *The above rates are inclusive of all Govt. & Local taxes including applicable GST. However, GST will be reimbursed only after having submitted the proof of having actually paid the above taxes/charges.*
2. *The bidder shall indicate his rate in %age below/above/at par, on each schedule total cost as per schedule of approximate quantities & Rate above on IREPS portal. **The Bidder/Tenderer quoting the rates for individual items will be disqualified.** Offer with incomplete/ambiguous rate will not be considered.*
3. *Offers quoted with conditions are liable to be rejected without any notice.*
4. *DFCCIL reserves the right to operate additional quantities of the schedule items as and when required.*
5. *All necessary Required spares as per RDSO/SPN/217/2021 ver 3.0 must be supplied by the vendor.*
6. *RDSO or any third-party inspection charges shall be borne by the Bidder.*

Declaration by the tenderer

- (1) I/We am/are signing this document after carefully reading the contents.*
- (2) I/We also accept all the conditions of the tender and have signed all the pages in confirmation thereof.*
- (3) I/We offer and agree to execute the above work at rate uploaded online at **<https://ireps.gov.in>** through digital Signature.*

CHAPTER: - 7

Technical

Specification/Requirements

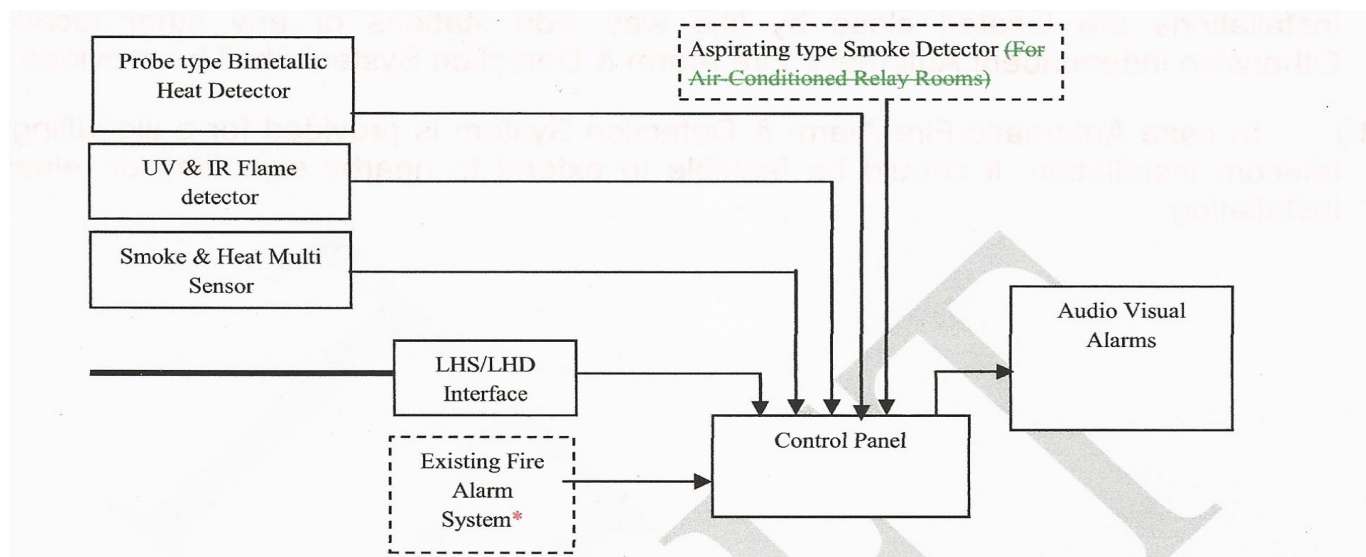
TECHNICAL REQUIREMENTS & SPECIFICATIONS

	AUTOMATIC FIRE DETECTION & ALARM SYSTEM (Conforming to RDSO SPECIFICATION No. RDSO/SPN/217/2019 Version No.3)
7.0	General Requirements (System and Installation shall strictly be as per Guidelines issued vide MOM No. SIG0AFDS (AFDM)/1/2020 Dt 13.05.2023. (Appended at the End of Document)
7.1	<p>Automatic Fire Detection and Alarm System (AFDAS) shall consist of all or any of the following.</p> <ul style="list-style-type: none"> a. Probe type Bimetallic Heat detectors for Diesel Generator enclosure. b. UV & IR flame detectors for Diesel Oil Storage room. c. Heat and Smoke multi sensors for Diesel Generator room, Power Supply Room, non-air-conditioned Relay Rooms, ASM Room, and other rooms connected with signaling Installations as required. d. Heat and smoke multi sensors for CCTV control & equipment Rooms, was side station OFC Room/quad repeaters and other rooms connected with telecom installation as required. e. Linear Heat Sensing (LHS) cable along with its interface module (for cable trays, cable troughs, & cable bunch etc.) Or Linear Heat Detection system with its interface module (for cable trays, cable troughs, & cable bunch etc). f. Aspirating (air sampling) type smoke detector for air -conditioned Relay Room. Aspiring (air sampling) type smoke detector for major telephone exchanges, satellite Hubs, data centre location & main switching centre (MSC), base station controller (BSC) for MTRC, Test room / Telecom control room and main OFC junction equipment room. g. Control Panel - For reading the signals from sensors/detectors, giving audio/visual alarms. h. Other Items (OI) - like Manual Call Points at the entry and exit of various rooms, connecting cables, relays, Audio visual alarm etc. necessary for commissioning & reliable operation of the AFDAS.
7.2	AFDAS shall be modular in structure, so that any fault in any of the modules can be set right by simply replacing the faulty module with a spare.
7.3	AFDAS shall be self-checking & diagnostic type. It shall continuously monitor the health of the sensor / detectors & the complete system including battery. The data regarding health & event shall be logged in the system with date stamp, which can be downloaded to a PC laptop at later stage. The system should have capacity to store data for up to a minimum of 512 fire events and other events. The control panel shall be networkable to the zonal division railway headquarters preferably over TCP/IP and shall have clock synchronization facility.
7.4	Detectors shall be suitable for installation in electrical cabinets, transformers, invertors, cable trays, electronic equipments, power equipment rooms, relay rooms, or any other enclosed areas, which are vulnerable for fire as deemed fit by Indian Railways.

7.5	The system shall be suitable to detect fire/ fire like situation in relay room, power equipment room, Diesel generator room, Oil storage room, ASM Room (inside operating / Maintainer panel and change over panel) other rooms pertaining to S&T installation, electronic equipment, electrical wiring etc. & generate audio visual alarm.
7.6	The AFDAS shall work satisfactorily & reliably over the entire range of following environmental parameters.
7.6.1	Temperature range: -10°C to + 70°C
7.6.2	Humidity: - 0 to 85%
7.6.3	In dusty, sandy, and desert conditions, the OEMs shall specify the frequency for cleaning of the detectors after installation to avoid false alarms.
7.7	<p>Loop controllers shall have built in interference nullifier so that separate EMI control circuit is not required. The loop distance shall not exceed 1.2 KM. or as per the recommendation of the manufacturer.</p> <p>Radio frequency /electromagnetic interference and electromagnetic compatibility must be available. The limits for EMI shall be 2KV ($\pm 10\%$), 5 KHz ($\pm 20\%$) for Power supply ports and 1KV ($\pm 10\%$), 5 KHz ($\pm 20\%$) for input/output signal, data and control ports (IEC 61000 4-4).</p>
7.8	In case it is felt necessary by the railways to add more or additional sensors to the existing Fire Alarm System, the sensors/ detectors covered in this specification shall be backward and forward compatible for future expansions.
7.9	NA
7.10	It shall also be possible to extend the alarm to remote location.
7.11	The working of the equipment shall not cause interference to other electrical/electronic circuits/systems.
7.12	The AFDAS shall have provision to provide sufficient sets of Programmable Potential Free NO/NC contacts (minimum 3 NO and 3 NC for each room where AFSS installed); to trigger the Automatic Fire suppression system through logical function as per RDSO/SPN/218/2016 or latest pertaining to Signaling Installations, if provided, switching off the power supply to power equipment /relay room (if required) and for interfacing with the existing Data Logger system. The Current carrying capacity of NO and NC contacts shall be at least 500mA.
7.13	The system shall not raise false alarm. The system shall not degrade the performance of relays, power equipments, wiring, cables etc. when subjected to Fire Detection & Alarm process.
7.14	The system shall be capable of working in non-air conditioned environment in the installation except for Aspirating (air sampling) type smoke detector. It shall be suitable for installation on AC/ DC electrified and non-electrified sections. It shall be suitable in all areas including where locomotives having thyristor controlled single phase or 3-phase induction motors haul passenger or freight trains and where chopper-controlled EMU stocks are operated.
7.15	The general principles of the Automatic Fire Detection & Alarm System (AFDAS) shall be as follows: -

7.15.1	The response time for alarm generation from the time of detection by sensors/detectors shall not exceed ten seconds (NFPA 72 Para 23.8.1.1). It shall reliably transmit the detected signal to the Control Panel, so that it can translate this detected signal into suitable alarm signal and warn the railway personal for taking corrective action.
7.15.2	It shall Indicate or display the location of fire, status of detectors with all stages of alarms.
7.15.3	It shall be possible to expand the system by minimum 20% in future in terms of various types of sensors subject to minimum of two sensors in each category.
7.16	Power Supply Arrangements for AFDAS: The primary source of supply shall be 110V/230V AC to be given by Railways. In case, failure of primary power supply the system shall work on Secondary power source (battery backup) as part of the system. The minimum cut off voltage for primary shall be specified by OEM. Whenever the primary power supply fails to provide minimum voltage required for operation, the secondary source of power supply shall automatically provide power within 10 seconds (Clause 10.6.6.1 of NFPA 72 Edition 2016).
7.17	The System design shall not incorporate use of any radioactive material. A declaration shall be submitted by the supplier in this regard at the time of product approval.
7.18	It should be feasible to cover both Signalling & Telecom installations with Single Automatic Fire Alarm & Detection System and common control panel where both installations are located close by like way side stations or any other location. Otherwise, independent Automatic Fire Alarm & Detection System shall be provided.
7.19	In case Automatic Fire Alarm & Detection System is provided for a signaling or telecom installation, it should be feasible to extend to nearby signaling or telecom installation.

7.20 GENERAL ARRANGEMENT OF AUTOMATIC FIRE DETECTION & ALARM SYSTEM (AFDAS):



7.21	TECHNICAL REQUIREMENTS
7.22	GENERAL
7.22.1	The AFDAS shall have Probe type Bimetallic Heat Detectors, UV&IR Flame Detectors and Heat & Smoke Multi Sensors which shall be installed, at critical locations to detect smoke, temperature rise & absolute temperature & send the signal to Control Panel. The AFDAS shall be an addressable system with facility to program cross zoning of detectors. In addition, Linear Heat Sensing cable shall be laid in cable trays, battery boxes, power equipments etc. for heat detection & sending the signal to the Control Panel through an Interface. In Air-conditioned Relay Rooms only, Aspirating Smoke detectors shall also be installed for early detection of smoke. On getting the signals from above detectors/sensors, Control Panel shall give Audio Visual Alarms to the railway personnel to actuate Fire Extinguishing System manually. The AFDAS shall also have a feature to trigger 'Automatic Fire Suppression System' (if provided) when the suppression system is interfaced with AFDAS.
7.23	NA
7.24	PROBE TYPE BI-METALLIC HEAT DETECTOR FOR DIESEL GENERATOR ENCLOSURE.
a.	Probe type bi-metallic resettable type heat detectors shall be used for diesel generator enclosure.
b.	The actuating temperature shall be as per the model number offered by the manufacturer. Same shall be considered in type/acceptance test. The manufacturer may specify as many models as possible. The probe type bi-metallic heat detector shall be chosen by the purchaser such that the temperature rating of the detector shall be at least 11°C above the maximum operating temperature of the diesel generator.
c.	It shall be able to detect temperature and shall communicate alarm signal to Control Panel when temperature rises above the defined value.
d.	The insulation resistance of the detector shall not be less than 10M ohm.
7.25	UV and IR FLAME DETECTORS FOR RELAY ROOM
a.	Relay room shall be provided with UV and IR flame detector to facilitate diesel fire detection.
b.	The range of flame detector shall be at least 10m.
c	The response time of the flame detector shall be less than 10 seconds.
d	The flame detector shall be resettable.
e	It shall not give false alarm under solar or electrical light conditions.
f	It shall be UL/FM/VDS/LPCB approved/listed.

g	The flame detector shall provide potential free contact for remote monitoring at the control panel.		
h	The flame detector shall be suitable for operation in a temperature range of 0-49°C.		
i	The insulation resistance of the flame detector shall not be less than 10M ohm.		
7.26	HEAT & SMOKE MULTI SENSOR FOR POWER EQUIPMENT ROOM, BATTERY ROOM, ASM ROOM, NON-AIRCONDITIONED RELAY ROOMS, DIESEL GENERATOR ROOMS		
7.26.1	Heat & Smoke multi sensor shall be robust, rugged, & suitable for surface mounting.		
7.26.2	Heat & Smoke multi sensor shall incorporate state of art optical chamber providing efficient & accurate detection of fire with high level of reliability & high immunity to spurious signal. The sensitivity of the Heat & Smoke multi sensor shall vary with the ambient conditions including dust particles to reduce false alarms.		
7.26.3	Heat & Smoke multi sensor shall incorporate integral LED indicator to show the status of the detector.		
7.26.4	Each Heat & Smoke multi sensor shall have suitable indications for indicating Normal Healthy Mode & Alarm Indication mode.		
7.26.5	The detector's alarm condition shall be visible from a distance of 6 Meters and shall be visually different from the indications of the other conditions.		
7.26.6	The insulation resistance of the detector shall not be less than 10M ohm.		
7.26.7	Failure of any indicator shall not prevent the detector from emitting fire signal indicating the existence of fire.		
7.26.8	The Detector / devices must have inbuilt fault isolator or alternate arrangement at detector level which shall isolate the detector in case of short circuit or open circuit in the loop.		
7.26.9	The detectors shall be addressable and resettable type.		
7.26.10	It shall detect the fixed heat above 58°C and the rate of temperature rise (between 6° to 11.1°C/minute) independently in addition to the photo electric smoke detection.		
7.26.11	The detectors shall be provided with means for mounting (on ceiling/wall) securely and independent of any support from the attached wiring.		
7.26.12	Plastic, if used for detector, shall not start softening, deforming, or melting at a temperature lower than 95°C as per Clause 4.2 of IS: 2175-1988.		
7.26.13	Smoke detector in this multi-sensor shall be able to detect smoke and shall communicate alarm signal to Control Panel when optical density of smoke/obscuration fall within the limit as follows:		
	Limit	% obs/m	%/ obs/ft
	Lower	1.6	0.5
	Upper	12.5	4.0
7.26.14	The ratio of highest r. t. v. and lowest r. t. v. shall not exceed 1.6 in the least favorable direction, i.e. the direction opposite to the beam of LED.		
7.26.15	The smoke and heat multi sensors can be provided in power equipment room, battery room, ASM room, non-air-conditioned relay rooms, diesel generator rooms, and other rooms of S & T installation.		

7.27	ASPIRATING (AIR SAMPLING) TYPE SMOKE DETECTOR
7.27.1	The air sampling—type detector system shall be able to withstand dusty environments by onboard monitored air filtering, Auto cleaning facility in optical chamber, electronic discrimination of particle size, or other listed methods or combinations thereof. The detector should be capable of providing time delays (< 10 seconds) of alarm outputs to eliminate nuisance alarms due to transient smoke conditions. The detector should also provide facilities for the connection of monitoring equipment for the recording of background smoke level information necessary in setting alert and alarm levels and delays. It shall have event logging facility with date and time stamp.
7.27.2	Air Sampling Type detector shall use LASER or High-power LED. This type of detector shall use piping or tubing distribution network that shall run from the detector to the areas to be protected. The aspiration fan in the detector housing shall draw air from the protected area and back to the detector through air sampling ports, piping, or tubing. At the detector, the air shall be analyzed for fire products.
7.27.3	<p>The detector shall have the capability of generating four alarm signals depending upon the level of smoke detected, for example,</p> <p>Example (1):- Stage 1 – 0.5 to 0.95% obs/m Stage 2 – 1.0 to 1.45% obs/m Stage 3 – 1.5 to 1.95% obs/m Stage 4 – $\geq 0.2\%$ obs/m</p> <p>Example (2) :- Stage 1 – 30% of alarm stage 4 Stage 2 – 50% of alarm stage 4 Stage 3 – 70% of alarm stage 4 Stage 4 – $\geq 0.2\%$ obs/m</p>
7.27.4	The value of the smoke levels may be adjusted depending upon the site conditions.
7.27.5	The piping or tubing to air sampling ports shall be laid depending upon the floor area. detailed as below
7.27.5.1	Required number of sampling point shall be provided on either side of each relay rack, cable termination rack, Air Conditioner, 230V AC Used and unused points etc.
7.27.5.2	Maximum transport time from the most remote port to the detection unit of an air sampling system shall not exceed 60 seconds.
7.27.5.3	Minimum sensitivity settings above ambient airborne levels for the air sampling system installed shall be as follows:
7.27.5.3	<p>Alert condition: 0.2 percent per foot obscuration (effective sensitivity at each port).</p> <p>Alarm condition 1.0 percent per foot obscuration (effective sensitivity at each port).</p>
7.27.6	It shall be suitable for operation in a temperature range of 0-49°C.
7.27.7	The aspiration type smoke detector should be UL or FM or Vds or LPCB listed/approved.
7.28	PIPING STANDARDS

7.28.1	The pipes used in the pipe network shall be made of CPVC and shall be listed/approved by UL or FM or Vds or LPCB or tested with appropriate equivalent standard to cater for ceiling temperature of 69°C. The pipe and their assemblies such as couplings, unions, elbows, tees, end caps, capillary tubes, sampling ports, mounting brackets shall be as per the recommendation of manufacturer of Aspirating (Air Sampling) type smoke detector.
7.28.2	All distribution piping shall be installed by qualified individuals using accepted practices and quality procedures.
7.28.3	In cabinet and above cabinet sampling shall also be planned as per request of the purchaser.
7.28.4	The system integrator shall carry out the piping design and validate the same with a hydraulic flow calculation generated by using the UL/EN/FM/Vds/LPCB approved software. The appropriate fill density shall be arrived at based on the same.
7.28.5	The design & calculation shall be checked & certified by manufacturer/ manufacturer trained design engineer.
7.28.6	Plans and calculations shall be approved prior to installation.
7.29	LINEAR HEAT SENSING (LHS) CABLE (Analogue Type)
7.29.1	Temperature sensitive cable also known as Linear Heat Sensing Cable shall be laid in all cable trays located in Power Equipment room and relay room. Signal about alarm temperature shall be sent to Control Panel by LHS interface module attached with cable system.
7.29.2	Linear Heat Sensing cables shall be of temperature sensitive insulated wire type.
7.29.3	This linear heat sensing shall be in the form of continuous cables consisting of copper conductors / cores and shall be of analogue type.
7.29.4	Each core of analogue Linear Heat Sensing cable shall be insulated with a negative temperature coefficient material. (Clause 5.1.1.4 of IS: 2189-2008). An outer sheath of high temperature, flame retardant PVC insulation, shall protect the cores. The outer sheath, as well as the metallic braid shall not affect the performance of the heat sensor.
7.29.5	The Linear Heat Sensing cable for each zone/room shall be connected to an electronic interface module, which shall sense the temperature variations by continuously monitoring the resistance of the negative temperature coefficient core insulation. The electronic interface module shall be located suitably in the area being protected.
7.29.6	The analogue linear heat sensing cable of every zone shall be continuously monitored for open and short circuit. A breakage, disconnection or a short between cores shall initiate a FAULT alarm on the fire alarm panel of Control Panel.
7.29.7	LHS cable shall be resettable type.
7.29.8	The design of the analogue, linear heat sensing cable and corresponding electronic sensing circuits shall be such that the cable length and the number of required loops should be set up to provide optimal coverage for the desired region with cable length ranging from 10m to 200 m. The system shall be designed to have an optimum sensitivity.
7.29.9	For a given length of sensing cables it shall be possible to set the alarm temperature at 70°C with an Interface Module and with a tolerance not to exceed $\pm 8.3^{\circ}\text{C}\%$.

7.29.10	The Linear heat sensing cable should have strong capability to withstand the mechanical damage, tensile, water and corrosion and electromagnetic interference.
7.29.11	Linear heat sensing cable should be brought from UL/FM/VDS/EN/LPCB approved /listed.
7.30	LINEAR HEAT SENSING (LHS) INTERFACE MODULE
7.30.1	LHS Interface should be a microprocessor-based device that communicates between LHS Cable and Control Panel. It should be an intelligent device that will monitor LHS cable for continuity and over temperature fire signatures. Performance of the linear heat sensing cable along with its interface module shall be immune to changes in ambient temperature.
7.30.2	An increase in temperature at any location along the LHS cable's length shall lower the resistance between conductors in the cable. The change in resistance shall be detected by the interface module, which will trigger an alarm at the Control Panel if the temperature rises above a preset threshold.
7.30.3	The LHS interface shall be able to distinguish between a Short Circuit Condition & an Actual Fire Event in order to prevent unwanted activation of fire alarm system, in case of an accidental short circuit fault by damage to the sensor or field wiring.
7.30.4	The LHS interface shall supervise the sensing cable for alarm temperature condition, open & short circuit to generate a fault condition which shall be displayed on the interface module faceplate by the 2 LED indicators: FIRE LED & FAULT LED.
7.30.5	The LHS interface module shall be suitable for operation in a temperature range of 0-49°C.
7.30.6	Linear heat interface module should be UL or FM or Vds or LPCB approved/listed.
7.31	CONTROL PANEL
7.31.1	Detection, actuation, and control system shall have provision for automatic as well as manual operation. Where they are automatic, provision shall also be made for manual operation.
7.31.2	The Control Panel shall be the central processing unit of the system, receiving and analyzing signals from Probe type bimetallic heat detectors, UV&IR flame detectors, Heat and Smoke multi sensors, LHS Interface and Manual Call Points, providing audible and visual information to the user.
7.31.3	It shall have suitable audio visual alarms for drawing attention/indicating various events.
7.31.4	It shall also have the capability to electronically/electrically activate and release Fire Extinguishing System, if used any.
7.31.5	The Control Panel should be located in Station Master's Room as per requirement of purchaser.
7.31.6	The Control Panel shall have sufficient input ports for connecting various sensors/detectors along with their interfaces, if any, & shall have sufficient output ports for controlling fire extinguishing system, operating/switching off electrical units and shall have provision for remote monitoring in network. The system shall be approved by UL/EN/FM/Vds/LPCB. The software shall be able to monitor the health of each detector and other devices along with control panel. It shall also have clock synchronization facility.
7.31.7	There shall be preferably one Control Panel for a station. However, at stations having

	bigger relay room & power equipment room deploying more number of sensors/detectors, more than one Control Panels can be provided but there shall be a main Control Panel also to control fire extinguishers, to provide alarms, for user interaction etc. of the entire installation through the individual Control Panels.
7.31.8	The control panel shall be designed to work on power supply of 110V/230V AC +10%, -15% with DC battery backup of adequate capacity. The control panel shall have in-built charging facility for DC battery backup for at least 24 hours for operating the system at quotient load and then 15 minutes under fire or emergency condition at maximum connected load (CI 10.6.7.2.1.2 of NFPA 72 Edition 2016). Addressable modules can be used if required to connect electronics of LHS interface module and Aspiration Type Smoke Detector to the control panel.
7.31.9	The Control Panel shall have means for the user to visualize and interact with the complete Automatic Fire Detection and Alarm System layout through a user-friendly software executable on a standard Windows based Personal Computer.
7.31.10	The front panel of the Control Panel shall have the facility of buzzer silence, alarm silence and alarm activate, lamp test & reset. The front panel shall also indicate the status like fire, fault, disable, test, supply, primary supply fault, battery fault, secondary supply fault, and earth fault by respective LEDs/other suitable means.
7.31.11	In case of low battery, the system shall give audio visual indication in the control panel.
7.31.12	The Control Panel shall be able to communicate and display the exact number of the sensor, which has activated the fire detection system, for pinpoint location of the seat of fire.
7.31.13	It shall be possible to download data or extend alarms from Control Panel through suitable ports like RS232/USB or TCP/IP into a PC/Laptop/remote location operating on Windows platform. The software for downloading and analyzing fault data shall be provided & shall be compatible with the latest windows operating system.
7.31.14	Audio Visual Indication shall be provided on the control panel and get activated in case of fire/smoke, trouble/fault and for supervisory function. The audio indication may be from piezo electric buzzer and visual indication may be LED indication and / or LCD display.
7.31.15	Operating devices such as system isolate switches and ancillary equipment; including shutdown equipment; dampers and door closures, required for successful system performance, should be considered integral parts of the system. All ancillaries should incorporate manual reset facilities. The exact number of controls required shall be specified by the purchaser as per the site conditions.
7.31.16	The software preferably should have the capability for the following 4 levels of actions:
7.31.16.1	Level 1 – When Stage 1 signal is received from aspirating type smoke detector or an alarm is received from single detector wired in cross zoned manner, it shall activate an audio-visual indication in control panel.
7.31.16.2	Level 2 – When Stage 2 signal is received from aspirating type smoke detector it shall activate visual and audio alarm in the SM Room.
7.31.16.3	Level 3 – When Stage 3 signal is received from aspirating type smoke detector it shall activate an alarm condition in the Fire Alarm Control Panel to initiate Railway Staff for extinguishing the fire and shutting off the power supply to signalling system, if required.
7.31.16.4	Level 4 –When Stage 4 signal is received from aspirating type smoke detector or an alarm

	is received from any other detector such as cross zoned multi sensor, cross zoned probe type bimetallic heat sensor, cross zoned UV&IR Flame detector and independent LHS module, the automatic suppression system, if provided shall get activated after a time delay adjustable by user up to 10 minutes in multiples of 0.5 minutes.
7.31.17	The control panel should have a GSM module, and the system(s) shall send SMSs on GSM network to not less than 5 preselected GSM mobile numbers in case of Level 2, Level 3 and Level 4 signals or as desired by the user . The mobile numbers shall be configurable. SMS shall be generated within 30 seconds of the control panel receiving the detection signals and if the sending fails, subsequent sending of SMS shall be tried by the system immediately. The SIM required for the GSM modem shall be provided by the purchaser. The GSM modem shall be from reputed make and compatible to Quad-band GSM 850, 900, 1800 and 1900 MHz. It shall support GPRS class 10 and shall work on power supply of the AFDAS with suitable power supply adapter. It shall be able to withstand operating temperature 0°C to 49°C and humidity up to 85%. The GSM Module shall be an optional item and shall be supplied as per request of the purchaser.
7.31.18	The Alarm of Control Panel shall have means to indicate the room i.e. Relay Room or Power Equipment Room or DG Room etc., from where the alarm situation has been reported and shall also indicate the location of sensor in that room which has reported the alarm situation. The Control Panel shall activate the fire extinguisher, if used any, of that room only for extinguishing the fire.
7.31.19	The front panel shall have character display (LED/LCD) and alphanumeric keyboard. The control panel shall also work in degrade mode, i.e., the failure of the control panel shall operate the audio-visual and other output devices in case of an alarm detected.
7.31.20	For Signaling installations at smaller yards (less than 400 routes and important junction stations) control panel must have the provision for working in degrade mode. i.e. during the failure of communication between loop control circuitry and CPU of the control panel shall operate the audio-visual and other output device in case an alarm is detected.
7.32	AUDIO VISUAL ALARM:
7.32.1	Audio visual alarm (Hooter and strobe) shall be provided with Control Panel where required.
7.32.2	Audio visual alarm system shall get activated in Control Panel in case of fire/smoke.
7.32.3	Visual Alarm (strobe) It shall be preferably flashing type RED /WHITE color.
7.32.4	Audio visual alarm (hooter): - It shall be preferably with Piezo electric type sounder. The sound level shall be preferably adjustable type up to 90db at a distance of 1m.
7.32.5	Visual Alarms: It shall work on 24V DC and shall be preferably flashing type RED Color.
7.32.6	Audio and Visual alarms (Hooter and strobe) can be extended to ESM duty room, subject to condition that it shall not be beyond the maximum loop distance.
7.33	FIRE SURVIVAL CIRCUIT INTEGRITY CABLES
7.33.1	The electrical characteristics of all cables, such as voltage drop, current carrying capacity, impedance and, where appropriate, ability to transmit data shall be suitable for the system.
7.33.2	The Circuit Integrity cable specification for AFDAS is as follows:
7.34.3	Armored copper cables of minimum 2 Core x 1.5 sq.mm having cross linkable Low

	smoke halogen free insulation, inner & outer sheath, 1000V rated, twisted shall be used when the entire circuit is not within the same building.
7.34.4	Unarmored copper cables of minimum 2 Core x 1.5 sq.mm having cross linkable Low smoke halogen free insulation and sheath, 500V rated, twisted with ATC uninsulated circuit protective conductor of 1.5 sq.mm, aluminum tape screening shall be used when the entire circuit is within the same building.
7.34.5	Armored and unarmored shall have anti-rodent outer sheath with Low Smoke Properties.
7.34.6	Armored & unarmored (CI) cables should meet fire performance test under simultaneous action of Flame, water stress and impacts on single sample at 950°C for minimum 2 hours, certified by LPCB or equivalent. Vendor shall submit certificate for the same.
7.34.7	The cables used shall be exclusively for fire detection system. The multi-core cables shall not be shared for other low voltage or high voltage circuits.
7.34.8	Cables connected to detectors shall be given 'S' loop on both the sides of the detectors which shall be properly clamped to the ceiling. Loop shall also be left where cables connect sounders, panels, dampers, etc. Appropriate 2 hours fire rated glands shall be provided where the cable enters the junction box.
7.34.9	All the cables and wires shall be tagged with colour band for proper identification.
7.34.10	The cable manufacturer should provide test certificate related to the manufacturing of fire-resistant wires & cables from UL/FM/EN/Vds/LPCB/ BRE Global or any recognized lab by Government of India. The vendor shall also give self-certification in this regard.
7.35	MANUAL CALL POINTS
7.35.1	Manual call points must be mounted visibly along escape and rescue routes (e.g. exits, passageways, stairwells) and be easily accessible.
7.35.2	It shall be installed at a height of 1400 mm \pm 200 mm measured from the middle of the manual call point to the floor.
7.35.3	Manual call points must be sufficiently lit with daylight or another light source (including emergency lighting). Lighting shall be provided by the purchaser.
7.35.4	It shall be addressable & resettable.
7.35.5	Visual indication of normal operation and activated operation shall be available.
7.35.6	It shall have an inbuilt fault isolator or alternate arrangement which shall isolate the Manual Call Point in case of open/short circuit fault within it.
7.36	CROSS ZONING
a	Two adjacent detectors at a particular location shall be addressed for different zones.
b	If only one detector is triggering the control panel, it shall give audio visible indication in the control panel.
c	If Air Sampling type Detector is provided in the relay room, then stage-3 signal shall be considered as fire like situation. Cross zoning is not applicable for this detection system.
d	If both the adjacent detectors are triggering the control panel, then fire like situation shall be accepted and fire alarm system shall act accordingly.
7.37	SITING AND SPACING OF DETECTORS

a	A minimum of two probe type bi-metallic heat detectors shall be provided inside the Diesel Generator enclosure. Each detector shall be addressed /wired in cross zoning manner.
b	A minimum of two UV&IR flame detectors shall be provided in the Diesel Oil storage rooms. The inter-distance between two UV&IR detectors shall be at 10m subject to a minimum of two numbers in a room. Each detector shall be addressed /wired in cross zoning manner.
c	One number Smoke and heat multi sensor shall be provided on either side of each - one way relay rack, cable termination rack, each IPS equipment, each power panel, Changeover panels, Operating Panel, Maintainer Panel, 230V AC Points used or unused, above Air Conditioner and other locations where fire like situation can arise. Each sensor shall be wired/addressed in different zones. If one detector only identifies fire like situation, then control panel shall provide only visual alarm. If both the adjacent detector provides the trigger for alarm, then the control panel shall treat as fire like situation.
d	Manual call points shall be provided at each entrance/exit.
7.38	REQUIREMENTS TO BE FULFILLED BY MANUFACTURER/ SUPPLIER:
	Layout Plan of Each Station shall be got approved prior to the start of the work at stations.
	Certificates/ Approvals/ Experience of the product / manufacturer
a	The manufacturer must be certified with ISO 9001 (the scope of the ISO Certification has to specifically refer to the manufacturing of the products related to AFDAS). The copy of the certification shall be provided by the manufacturer. The manufacturer in this specification shall at least manufacture the Control Panel, Heat and Smoke Multi Sensor, Audio Visual alarms and Manual Call Point. The manufacturer may outsource the left-over items of AFDAS from other firms but shall be responsible for the complete system functioning. The outsourced firms shall be ISO 9001 certified and the certification shall refer to the manufacturing of products being outsourced.
b	Manufacturer shall guarantee for supply of spares during life of the equipment & extend maintenance support, if required by the Railway/purchaser.
c	The supplier shall supply detailed instructions for proper installation of the system. The supplier shall depute his engineers/supervisors to purchaser's site during installation of the equipment.
d	The supplier shall associate themselves during commissioning, testing and field trials of the system.
e	The supplier will also offer special tools and instruments separately, which may be required for maintenance. (1 no per 3 Station)
f	The supplier shall submit recommended list of spares required for satisfactory maintenance and operation of the AFDAS.
g	The supplier shall submit design manual for the system containing detail functioning of each item and its sub-assembly giving following details about: -
h	Testing procedure
i	Diagram & layout.

j	Write up on the working of fire and smoke detection system.
k	The supplier shall supply the user's manual for maintenance and trouble shooting.
7.39	Testing:
a	Type, routine and acceptance tests on for the system will be conducted by nominated agencies.
b	Automatic Fire Detection and Alarm System (AFDAS) is shall be able to detect and respond as per the following conditions.
c	When a Diesel fire like situation is created at a distance of 10m for UV and IR flame detector shall respond within 10 seconds.
d	When temperature exceeds 55°C for Probe type bi-metallic heat detectors.
e	When the rate of temperature rise at the heat and smoke multi sensor exceeds 10°C per minute regardless of the actual temperature.
f	When temperature at the heat and smoke multi sensor exceeds a pre-determined value of 58°C.
g	When optical density of smoke exceeds 0.1db/m (10 m visibility) at the heat and smoke multi sensor.
h	When LHS cable senses temperature beyond 70°C.
i	When Manual Call Point is actuated
j	All the above detectors shall have provision for fault isolation (in-built or alternate arrangement).
7.40	TRAINING: The supplier shall impart suitable training in operation & maintenance inspection & testing of the AFDAS as per para.
7.41	INSPECTION:
	Mentioned in the BOQ

7.42 INSTRUCTIONS FOR EXCAVATION & BACK FILLING OF TRENCHES

- 7.42.1 The cable route shall be marked in white chalk or lime as per the route plan and the instructions of engineer inch
- 7.42.2 Trenches for Telecom cable shall be dug to a depth of 1.65 meter. The width of the trench shall be 0.3 m to accommodate cables and their protection as per DFCCIL approved OFC laying method statement. In places where underground pipes, electric main etc. come in the way, trenches deeper than one meter shall be dug as necessary and DWC. pipes shall be placed to protect the optical fibre cables and 6 Quad cables. In station limits wherever 1.00 m depth is not possible, after the approval of railway engineer, trenches can be dug to a depth of 0.5 meter. The same may be protected with Half split DWC duct 120 mm out dia and 103.5 inner dia to be given as per the advice of Railway Engineer.
- 7.42.3 Metaled, macadamized, concrete and stone paved roads shall also be cut to a depth of 1.0 meter. The cable shall be laid through DWC pipe as per DFCCIL approved OFC laying method statement. The road surface shall be restored to original.

- 7.42.4 Permanently Solid lubricated HDPE Telecom Pipe of 33 mm inner diameter, 40mm outer as per RDSO spec No. RDSO/SPN/TC/45/2013 Rev. 2.0 Amdt. No. 02 or latest with accessories to be laid in the entire section through which OFC cable to be blown/drawn (wherever necessary). HDPE has to be continuous in length and has to be provided through D.W.C pipes, GI pipes etc.

7.43 TRACK CROSSING

All cable crossings across DFCCIL/Railway tracks shall be done in DWC pipes, threading the cable through these pipes. The contractor shall do the trenching to the required depth wherever necessary such as approaches to track crossing and the length in between the adjacent tracks. Two G.I. wires of 10 SWG size shall be threaded through DWC. pipes, one to pull the cable and one for future use.

7.44 ROAD CROSSING

- 7.44.1. When crossing roadways, it is necessary to lay the cables in such a manner as to avoid the necessity of handling the cable sharply and minimize excavation of road surface as far as possible. Where cable is laid in surfaced trunking, the trunking alignment should be curved down to the pipes and proper brick or concrete joint should be made between trunking and pipe.
- 7.44.2. The crossing of main roads often involves difficulties especially if traffic is heavy, precautions to avoid accidents to workmen, pedestrians and vehicles should be taken. On minor roads which can be temporarily closed to traffic it is possible to cross the entire width of the road and open up. Pipes should be installed quickly in the cutting, which is then filled in there by reducing to a minimum time for which the road is closed.
- 7.44.3. One cable per pipe should be laid. Two length of G.I. wire 10 SWG shall be used as lead wire. Two such lengths of G.I. wire shall be laid through the pipe. One wire shall be used for leading in the cable & the other wire shall be kept with suitable overlay to enable cable pulled out at later stage, if required. Drg. No. OFC/2002/4 shows the arrangement of DWC pipe trunking under metal roads. At road crossings DWC pipe of 103 mm inner dia shall be used.

7.45 CULVERTS AND ARCH BRIDGES

- 7.45.1 Wherever possible the cable shall be laid under the bed of the culvert through RCC/DWC pipes as per DFCCIL approved drawing. Similar arrangements shall be provided for taking the cable in waterlogged areas and drains.
- 7.45.2 In case of wet culverts or unfriendly terrains where it is not possible to lay cable under the bed of culverts, the cables may be laid over the culvert in G.I. pipes as per DFCCIL approved drawings
- 7.45.3 The protection of cable on Arch Bridges and approach to culverts & bridges

7.46 LAYING CABLE /HDPE PIPE IN SOLID ROCK AND HARD ROCKY SOIL

If the terrain is rocky, it may not be possible to ensure normal dimensions of the trench. In such cases a chase is cut as shown in DFCCIL OFC laying method statement. Sharp edges

on the sides must be smoothened out and bottom of the chase should be levelled and the cable laid in sand or soft earth should be filled and pressed down up to the step.

7.47 LAYING OF CABLE IN SPECIAL CASES:

7.47.1 Near Power Cable

When the contractor comes across any other cable already laid, he shall first report the fact to the Engineer. Should the cable be identified by the Engineer as a power cable (LT or HT), the trench shall be dug as far away from the route of the power cable as practicable.

7.47.2 Crossing of Optical Fibre Cable with another cable

Crossing of the Optical Fibre cable with another cable shall be avoided wherever possible. Where, however, this is not possible, the Optical Fibre cable shall be laid in DWC pipes. The length of the pipe to be provided on either side of the crossing shall be at least one metre.

7.48 Laying of cable through pipes

The cable shall be laid through DWC pipes at the locations marked on the route plan and as advised by the DFCCIL or his representative.

- ii) For laying the cable through pipes galvanized steel wires of a cross section not less than 10 SWG shall be used as a lead wire. Two such lengths of wires shall be laid through the pipes, so that after the cable is threaded through the pipe, one lead wire is permanently left in the pipe with a suitable overlay at two ends, to enable the cable to be pulled out at a later stage if required to do so.
- iii) On arch bridges and culvert bridges the cables will be threaded through G.I./DWC pipes etc. While threading the cable through these pipes the Contractor shall do the trenching to the required depth wherever necessary for which no extra charge will be paid.

7.49 BLOWING OF OFC

7.49.1 The cable shall be pulled using Cable jet blowing method or any method approved by the engineer – in –charge. Contractor may have to blow the cable in the Ducts as instructed by engineer – in –charge also along with ducts laid by itself in such conditions all duct cleaning, cable blowing arrangement has to be made by contractor at no extra cost. Before Blowing of the cables, the allotted duct should be identified.

7.49.2 Cable manufacturers specification will be provided to the contractor prior to blowing. Unless otherwise specified, the contractor must leave minimum 25 meters of slack on both sides of fiber Optic splices at each splice chamber (every 3 Kms). Each pull through chamber (in between two splice chambers), manhole (ADM or regenerator locations) shall consist a minimum OFC slack of 25 mtr.

7.49.3 The proposed cable is an armoured type and delivered in reels of up to 3 Kms. Splice points are located and planned at approximate intervals of 2.85 Kms.

7.49.4 OFC is normally installed bi-directional that is cable reel is placed midway and installation is taken up on each side one after the other. The first installation is when the cable directly uncoiled from the reel and next is after uncoiling all the cable from the reel are placed on the ground in a figure of 8 to facilitate installation.

- 7.49.5 Sometimes there is considerable lapse of time between the pipe laying and cable laying. This intervening period could have heavy rains too. Therefore, there is possibility of entering dissolved muddy water into the HDPE pipes. This dissolved muddy water may transform into a thick paste or solid mud. Cleaning of the pipes before the cable Blowing is absolutely necessary to remove any such obstructions. Replacing mandrill with nylon brush and rugs for PVC ducts then does similar operation
- 7.49.6 OTDR test has to be conducted for all 24 fibers of the OFC in 1310 nm as well as 1550nm windows and readings to be recorded in soft as well as hard copy and drums with any defects for even one single fiber shall not be blown/Pulled. Such defects shall be immediately brought to the notice of the engineer – in – charge and a joint statement has to be signed for record. The drum test results shall be recorded and signed jointly.

7.50 Techniques for Jointing of fibre optic cable

Following types of techniques are used for splicing of fibres:-

- a) Mechanical Splices: This align the axis of the two fibres to be joined and physically hold them together.
- b) Fusion Splicing: This is accomplished by applying localized heating (i.e. by electric arc or flame) at the interface between two butted, pre-aligned fibre ends, causing them to soften and fuse together.

Mechanical splicing can be used for temporary splicing of fibres or where fusion splicing is impractical or undesirable. At all other location and during initial installation of fibre optic cable, fusion splicing should be adopted.

Chapter: - 8

Annexures

ANNEXURE – I

TENDERER(S)'S GENERAL INFORMATION		PROOF ATTACHED AT PAGE
1. Name of firm.		
2. Full name of Contractor/s:		
3. Year of Establishment.		
4. Registered Head Office :- Address: -		
5. Operation Address if different from above:		
6. Branch Office in India:		
7. Constitution of firm (give full details including name of Partners/Executive/s power of Attorney holders etc.)		
8. Particulars of Registration with Government Semi Government Organization, Public sector under-Taking and local bodies etc.		
9. Bank A/C No of Firm with IFSC & MICR code for electronic clearance of the payment		
10. Telephone Number		
11. E-mail address & Web Site		
12. Telefax Number		
13. ISO Certification, if any {If yes, please furnish details}		
14. PAN No:		
15. PF / EPF Registration No:		
16. GST Registration No:		
<div>1. The information furnished above shall be supported by authentic documents including registration number of the firm.</div> <div>2. The copies of documents submitted shall be duly attested by a Gazetted officer.</div>		
<div>Signature of the Tenderer/s: -</div>		

ANNEXURE – II

Performa for Experience/Performance Certificate. {On the letter head of the issuing department}

M/s..... has carried out the **Supply, Installation, Testing and Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including networking with RTU/Data logger.** The details are as under:

1. Name of work/ service:
2. Agreement/contract number:
3. Nature of service provided:
4. Date of start of service/work:
5. Date of completion of work/service:
6. Total value of work/service during the contract period (if completed):
7. In case of on-going work/service, please indicate the annual payment for F.Y 2024-25, F.Y. 2023-24, F.Y. 2023 -22, F.Y.2022-21.

(Name & signature of the officer with seal of the department and phone no.).

ANNEXURE – III (Mandatory)

Self-Certificate

- a. I/We have downloaded the tender form from the internet website <https://ireps.gov.in> and I/we have not tampered/ modified the tender documents in any manner. In case the same is found tampered/modified, I/We understand that my/our offer shall be summarily rejected, and I/we are liable to be banned from doing business with DFCCIL and/or prosecuted as per law.
- b. **I/We certify that I/we am/are not blacklisted or debarred by DFCCIL or Railways or any other Ministry/Department of the Government of India/State Government and there has not been any work cancelled against us for poor performance in the last three years reckoned from the date of invitation of tender.**

Seal & Signature of the Tenderer/s:

**FORM OF IRREVOCABLE GUARANTEE BOND FOR PERFORMANCE
GUARANTEE (PG).**

(The Bank Guarantee (BGs) to be submitted by the suppliers/ contractors should be sent directly to "Chief General Manager/Vadodara; 4th Floor, Block-A, SSNNL Office, Narmada Naher Bhawan, Chhani Jakat Naka, Vadodara -390024 by the issuing Bank under Registered Post.

Bank Guarantee No.

Date

To.

**Chief General Manage/Vadodara
4th Floor, Block-A, SSNNL Office,
Narmada Neher Bhawan, Chhani Jakat naka,
Vadodara -390024**

This deed of Guarantee made this day of ----- between -----
----- (name of Bank) having registered office at --
----- and branch office at -----
----- (hereinafter referred to as “Bank”) of the
one part and Dedicated Freight Corridor Corporation of India Limited (hereinafter called
the Employer) of the other Part.

Whereas Dedicated Freight Corridor Corporation of India Limited has awarded the
Contract No. ----- for **Supply, Installation, Testing and
Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including
networking with RTU/Data logger at all 22 ALHs and 5 THs of CGM BRC Unit
jurisdiction** (hereinafter called “the Contract”) to M/s-----
----- its registered office at -----
----- (hereinafter called “the Contractor”).

Whereas the Contractor is bound by the said Contract to submit to the Employer an
Irrevocable Performance Security Guarantee Bond for a total amount of Rs. -----
----- (Rs. -----
----- in words) only.

Now, we the undersigned (Name of Bank Officials), of the bank being fully authorized
to sign and to incur obligations for and on behalf of the Bank hereby declare that the said
Bank will guarantee the Employer the full amount of Rs. -----
(Rs. ----- in words) as stated above.

After the Contractor has signed the aforesaid Contract with the Employer, the Bank
further agree and promise to pay the amount due and payable under this guarantee
without any demure merely on a demand from the Employer stating that the amount
claimed is due by way of loss or damage cause to or would be caused or suffered by the
Employer by reason of any breach by the said Contractor of any of the Terms and
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. ----- in words) only.

We ----- (indicate the name of Bank), further undertake to pay to the Employer any money so demanded notwithstanding any dispute or dispute raised by the Contractor in any suit or proceeding pending before any Court or Tribunal relating to liability under this present being absolute and unequivocal.

The payment so made by us (name of Bank) under this bond shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

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 Employer under or by virtue of the said agreement have been full paid and its claims satisfied or discharged by -----
(Designation & Address of Contract Signing Authority) on behalf of Employer certify that the Terms and Conditions of the said agreement have been fully and properly carried out by the said Contractor and accordingly discharges this guarantee.

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 Employer or until (date of validity/extended validity) whichever is earlier and no claim shall be valid under the guarantee unless notice in writing thereof is given by the Employer within validity/extended validity period of guarantee from the date aforesaid.

Provided always that we ----- (name of Bank) unconditionally undertakes to renew this guarantee or to extend the period of guarantee from year to year before the expiry of the period or the extended period of guarantee, as the case may be on being called upon to so by the Employer. If the guarantee is not renewed or the period extended on demand, we ----- (name of Bank) shall pay the Employer the full amount of the guarantee on demand without demur.

We ----- (indicate the name of Bank), to further agree with the Employer that the Employer shall have the fullest liberty without our consent and without effecting in any manner out of obligation 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 power exercisable by the Employer against the said Contractor and to forbear or enforce any of the Terms and Conditions of the said agreement and we shall not be relieved from our liabilities by reason of such variation, or extension being granted to the said Contractor for any bearance act or omission on the part of the Employer or any indulgence by the Employer to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties for the said reservation would relieve us from the liability.

The Guarantee hereinbefore contained shall not be affected by any change in the constitution of Bank or of the Contractor.

The expressions “the Employer”, “the Bank” and “the Contractor” hereinbefore used shall include their respective successors and assigns.

We ----- (name of the Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinbefore:

- i). Our liability under this Bank Guarantee shall not exceed and restricted to Rs. ----- (Rs. -----in words).
- ii). This Bank Guarantee shall be valid up to -----, unless extended on demand by Employer.
- iii). The Bank is liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if Employer serve a written claim or demand on or before -- -----.

IN WITNESS WHEREOF we of the Bank have signed and stamped this guarantee on this day of -----being herewith duly authorized.

Bank seal

Signature of Bank Authorize Official with Seal

Name:

Designation:

Address:

Witness:

Name:

Designation:

Address:

Name:

Designation:

Address:

(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).

Name of the Bank: _____

Chief General Manager,
DFCCIL/Vadodara,
Acting through,
..... DFCCIL,
Beneficiary: CGM DFCCIL Vadodara
Date:

Bank Guarantee Bond No.: _____

Date: _____

In consideration of the DFCCIL acting through Chief General Manager, Vadodara (**Designation & address of Contract Signing Authority**), Vadodara, DFCCIL,, (hereinafter called "The DFCCIL") 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 CGM DFCCIL Vadodara:

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 CGM DFCCIL Vadodara full amount in the sum of [**Insert required Value of Bid Security**] as above stated.

1. The Bank undertakes to immediately pay on presentation of demand by the DFCCIL any amount up to and including aforementioned full amount without any demur, reservation or recourse. Any such demand made by the DFCCIL 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.

2. The Bank shall pay the amount as demanded immediately on presentation of the demand by DFCCIL without any reference to the Bidder and without the DFCCIL being required to show grounds or give reasons for its demand of the amount so demanded.

3. The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank or in the constitution of the Bidder.

4. 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 DFCCIL 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 DFCCIL at any time.

5. This guarantee will remain valid and effective from..... ***[insert date of issue]*** till ***[insert date, which should be minimum 120 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.

6. The Bank Guarantee is unconditional and irrevocable.

7. The expressions Bank and DFCCIL herein before used shall include their respective successors and assigns.

8. The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the DFCCIL. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No.758.

9. 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*

BANK NAME: *UNION BANK OF INDIA*

BRANCH NAME: *UBI MOTI BAGH*

CITY NAME: *NEW DELHI-110066*

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

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

Signature of Tenderer (s) with Seal

2. This bank detail is to be only used for submission of Bid Security in the form of Bank Guarantee.

**SAMPLE
CONTRACT AGREEMENT**

(To be executed on non-judicial stamp paper of appropriate value)

ARTICLES OF AGREEMENT made this ----- day of -----20--- between Dedicated Freight Corridor Corporation of India Limited (a Govt. of India Enterprise under Ministry of Railways) and a company incorporated under the provisions of the Companies Act, 1956 having its registered office at 5th Floor, Supreme Court Metro Station Complex, New Delhi, India – 110001, represented through its Chief General Manager, Vadodara (hereinafter referred to as “DFCCIL” which expression shall, unless repugnant to the context, be deemed to include its successors and assigns and called ‘the Employer’) as one part and _____ hereinafter called **“the Contractor”** as other part.

WHEREAS the Contractor has agreed with the DFCCIL for performance of the works _____ set forth in the Bill(s) of Quantities hereto annexed upon the Standard General Conditions of Contract, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents and the Specifications of Dedicated Freight Corridor Corporation of India Limited updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents and the applicable Standard Schedule of Rates (SSOR) of DFCCIL updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents and the Special Conditions and Special Specifications, if any and in conformity with the drawings here-into annexed AND WHEREAS the performance of the said works is an act in which the public are interested.

NOW THIS INDENTURE WITNESSETH that in consideration to the payments to be made by the DFCCIL, the Contractors will duly perform the said works in the said Bill(s) of Quantities set forth and shall execute the same with great promptness, care and accuracy in a workman like manner to the satisfaction of the DFCCIL and will complete the same in accordance with the said specifications and said drawings and said conditions of Contract on or before the _____ day of _____ 20__ and will maintain the said works for a period of _____ Calendar months from the certified date of their completion and will observe, fulfil and keep all the conditions therein mentioned (which shall be deemed and taken to be part of this Contract, as if the same have been fully set forth herein), AND the DFCCIL, both hereby agree that if the Contractor shall duly perform the said works in the manner aforesaid and observe and keep the said Terms and Conditions, the DFCCIL will pay or cause to be paid to the Contractor for the said works on the final completion thereof the amount due in respect thereof at the rates specified in the Bill(s) of Quantities hereto annexed.

For and on behalf of the Contractor

For and on behalf of the Employer

Signature of the Authorized Official

Signature of the Authorized Official

Name of the Official

Name of the Official

Stamp/Seal of the Contractor

Stamp/Seal of the Employer

Signature of Witnesses (to Signature of Contractor) with address:

Witnesses:

CERTIFICATE OF NO RELATIVE BEING AN EMPLOYEE OF DFCCIL

I/WE THE UNDERSIGNED HEREBY SOLEMNLY DECLARE AND CERTIFY THAT I /WE DO NOT HAVE ANY OF OUR RELATIVE/RELATIVES EMPLOYED IN THE DFCCIL EXCEPT THE NAMES MENTIONED HEREIN UNDER:

1.....

2.....

3.....

AND SO ON

NOTE:-NAMES DESIGNATION, NAME OF OFFICE, HEADQUARTER OF THE TENDERER(S)'S RELATIVE IN DFCCIL (IF ANY) TO BE MENTIONED BY THE TENDERER(S)/TENDERER(S) S IN 1, 2,3 AND SO ON ABOVE.

SIGNATURE OF TENDERER(S)/TENDERER(S) S

Annexure-VIII (Mandatory)

Details of works of similar nature physically completed in all respect as per contract agreement during last seven years, ending last day of month previous to the one in which tender is invited

SN	Name of work	Name of organization for whom work physically completed	Type of organization for whom work executed	Contract Agreement No. & Date	Original value of contract agreement	Final value of contract as completed	Payment received till opening of present tender (On account/final bill)	Time taken for completion of work		Principal feature of the work in brief
								Date of award of contract	Date of actual completion	
1	2	3	4	5	6	7	8	9	10	11
1.										
2.										
3.										

Date:

Signature of Tenderer/s
With Seal

Note:-

- (i) Above detail should be given only for works which have been physically completed in all respects, for the similar nature work defined in para 4.14 of the tender document above. Part completed work shall not be considered.
- (ii) Certificate from Private individual for whom such works are executed shall not be considered for eligibility of tenderers.
- (iii) The tenderers should attach self-attested copy of certificate issued by the organizations for whom the work was carried out in the proforma above.
- (iv) In column 4 type of organization is to be mentioned viz. Central/ State Governments /Public Sector Undertaking/Public Funded Institutions/Municipal Bodies /DFCCIL Siding owners /Concessionaire/ Public listed company.

- (v) In case a work is started prior to 07 (seven) years, ending last day of month previous to the one in which tender is invited, but completed in last 07 (seven) years, ending last day of month previous to the one in which tender is invited, the completed work shall be considered for fulfillment of credentials.
- (vi) If a work is physically completed and completion certificate to this extent is issued by the concerned organization but final bill is pending, such work shall be considered for fulfillment of credentials.
- (vii) If a part or a component of work is completed but the overall scope of contract is not completed, this work shall not be considered for fulfillment of technical credentials even if the cost of part completed work/component is more than required for fulfillment of credentials.
- (viii) In case a work is considered similar in nature for fulfillment of technical credentials, the overall cost of that work including PVC amount if any shall be considered and no separate evaluation for each component of that work shall be made to decide eligibility.
- (ix) For col no 7, the value of final bill including PVC amount-if paid, or otherwise in case final bill is pending the contract cost in last approved variation statement plus PVC amount paid or cumulative amount paid up to last on-account bill including PVC amount and statutory deductions whichever is less, shall be considered as the completion cost of work.
- (x) The Secondary Component(s), i.e. the details of successfully completed works of similar nature (that defined for the Secondary Component), executed by tenderer himself / the subcontractor (fully by any one or jointly i.e. partly by tenderer and remaining through subcontractor) during last five years, shall not be considered.

Annual Contractual Turnover of last three financial year & current F.Y

(ON THE LETTER HEAD OF CHARTERED ACCOUNTANT)

Sub: - Contractual receipts of M/s (Name of firm)

It is to certify that contractual receipts of M/s (Name of firm) during the current financial year and preceding three/four financial years as extracted from audited balance sheets are as under :-

Sr. No.	Financial year	Contractual Receipts	*Extracted from Source document (Audited balance sheet/certificate issued by the employer/ client / Tax deduction at source certificate)
1.	Current year (Say A)		
2.	A-1		
3.	A-2		
4.	A-3		
5.	A-4		

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 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. 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 : Client certificate from other than Govt Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.

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 on behalf of the President of India. NOW, THEREFORE,

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 distortionary 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

- 1.1 The CLIENT undertakes that no official of the CLIENT, connected directly or indirectly with the [B], will demand, take a promise for a 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].
- 1.2 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.
- 1.3 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 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.
 - 3.4 [A] shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
 - 3.5 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.
 - 3.6 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.
 - 3.7 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].
 - 3.8 The [A] will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
 - 3.9 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 filing of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

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 exclusion 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 and Security Deposit

- 5.1 Bid Security amount & form of Bid Security will be as per terms & conditions of contract document.
- 5.2 Validity of Bid Security & Security Deposit will be as per terms and conditions of contract.
- 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 the 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 the CLIENT to the [A] on Bid Security/Security Deposit for the period of its currency.

6. Sanctions for violations

- 6.1 Any breach of the aforesaid provision by the [A] or any one employer by it or acting on behalf (whether with or without the knowledge of the [A]) shall entitle the CLIENT to take all or any one the following action, wherever required:-
- (i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the [A]. However, the proceeding with the other BIDDER (s) would continue.
 - (ii) The Bid Security Deposit (in pre-contract stage) and /or security Deposit/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 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 the [A] from the Client connection with any other [B], such outstanding payment could also be utilized the aforesaid sum and interest.
 - (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the [A] in order to recover the payments, already made by the 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 to securing [B] the contract.
 - (ix) In case where irrevocable Letters of Credit have been received in respect of any [B] signed by the CLIENT with the [A] the same 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 the actions mentioned at para 6.1(1) to (x) of this pact also on the commission by the [A] or any one employed by it or acting on the 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 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/systems or sub systems was supplied by the [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. Independence 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 BIDDER. 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 under 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 proposals 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.

10. **Law and Place of Jurisdiction**

This pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the CLIENT

11. **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.

12. **Validity**

12.1 The validity of this Integrity pact shall be from date of its signing and extend upto 5 years or the complete execution of the [B] to the satisfaction of both the CLIENT & 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].

12.2 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. 1st July, 2017. The details and amounts being passed on to DFCCIL are provided in Annexure Of this document and areas 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 1st July, 2017 by way of availment of input tax credits which were not allowed to be availed before 1st 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 confirms 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

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 General
Manager/Co/DFCCIL/Vadodara 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
GM/Co, DFCCIL/Vadodara 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 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 _____ month _____ of 20 ____

For and on behalf of
M/s _____ (Contractor)

Signature of witness

Name of witness in Block letter.

Address

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

(To be executed in presence of Public Notary on non-judicial stamp paper of the value of Rs. 100/- The stamp paper has to be in the name of the tenderer)

Tender No:DFC-BRC-SnT-AFDAS-25-314

Name of Work: Supply, Installation, Testing and Commissioning of Automatic Fire Detection and Alarm system (AFDAS) including networking with RTU/Data logger at all 22 ALHs and 5 THs of CGM BRC Unit jurisdiction.

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. 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 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/DFCCIL 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 certificate 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 tenderer) ** a period of upto five year. Further, I/we

(Insert name of the 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 certificate 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/Security Deposit and Performance guarantee besides any other action provided in the contract including banning of business for a period of upto five year.
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)

SEAL AND SIGNATURE OF THE TENDERER

Place:

Dated:

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

This certificate is to be given by each member of JV or Partners of Partnership firm/LLP/etc.

(As per Para 14 (ii) (a) of tender form (2nd sheet) of Part-I of IRGCC April 2022 with up-to-date correction slip)

CERTIFICATE

(For Sole Proprietorship Firm or Sole Proprietorship Firm participating as member of JV)

I..... (Indicate Name of Sole prop) S/o (Full address of Sole prop) Proprietor of M/s..... (Indicate Name of Proprietary firm) situated at (Full address of Sole prop firm) do hereby solemnly affirm & declare as under: -

That I, who is submitting the tender on behalf of the SOLE PROPRIETOR is the Proprietor of the firm working in the name & style of M/s.....

(Indicate Name – Proprietary firm) at

Deponent

Signature and Seal

VERIFICATION

I, the above-named deponent, do hereby solemnly affirm & verify that the contents of my above affidavit are true & correct. Nothing has been concealed and no part of it is false.

Deponent

Signature and Seal

Place: -

Date: -

Note: -

The stamp duty shall be governed by the provision of the Law relating to stamp in Force in that State at the time when such AFFIDAVIT is being executed. Affidavit shall be affirmed before the Notary Public.

SPECIAL POWER OF ATTORNEY

(For Sole Proprietor Firm only)

BE IT KNOWN to all that I Sole Proprietor of the firm having its registered office at do hereby, for and on behalf of the said firm appoint Shri..... (Name& designation with full address) Special Attorney of the said firm and authorize the said Shri..... (name) whose specimen signature are appended below, to do all or any of the following acts deeds and/or things on behalf of the said firm and to represent the firm in respect for the Tender No (Name of Work) invited by DFCCIL.

1. To appear before the office of DFCCIL related to the process of tendering for the above said tender.
2. To procure/download the tender documents for the above said tender.
3. To digitally sign the above said tender document and for uploading the offer on <https://ireps.gov.in> for the said Tender.
4. To attend meetings and submit clarifications including negotiations, if any, called by DFCCIL.
5. To sign the agreement and other relevant documents & receive payment on behalf of the firm,
6. To co-ordinate measurement through contractor's authorized engineer, witness measurement, sign measurement books on behalf of firm.
7. To compromise, settle, relinquish any claim(s) preferred by the firm, sign no claim certificate and refer all or any disputes to Arbitration Tribunal.

I have read the content of this Special Power of Attorney & accept the same and I hereby agree to ratify & confirm & do hereby ratify & confirm all acts, deeds & things lawfully done or caused to be done by our said Attorney.

(Signature with name of Power attorney Holder)

(Name & signature of sole proprietor)

Dated

Place

(Seal of Firm)

Note: - The stamp duty shall be governed by the provision of the Law relating to stamp in force in that State at the time when such Power of Attorney is being executed. The Power of Attorney shall duly registered with registrar or notarized. (Not required if tender is uploaded by Proprietor himself)

As per Para No.14(ii) (b) of tender form (2nd sheet) of Part-I of IRGCC April 2022 with up-to-date correction slip

CERTIFICATE

(For HUF or HUF participating as member of JV)

I..... (Indicate Name of Karta) S/o (Full address of Hindu Undivided Family (HUF)) Karta of M/s..... (Indicate Name of HUF) situated at (Full address of HUF) do hereby solemnly affirm & declare as under: -

- 1) That I, who is submitting the tender on behalf of the HUF is in the position of Karta of the HUF, working in the name & style of (Indicate Name – HUF) at _____.
- 2) That, I..... (Indicate Name of Karta) has the authority, power and consent given by other members to act on behalf of (name of HUF)

Deponent

Signature and Seal

VERIFICATION

I, the above-named deponent, do hereby solemnly affirm & verify that the contents of my above affidavit are true & correct. Nothing has been concealed and no part of it is false.

Deponent

Signature and Seal

Place: -

Date: -

Note: - The stamp duty shall be governed by the provision of the Law relating to stamp in Force in that State at the time when such AFFIDAVIT is being executed. Affidavit shall be affirmed before the Notary Public.

SPECIAL POWER OF ATTORNEY (For HUF (Hindu Undivided Family))

BE IT KNOWN to all that we (1) (2)..... (3)
(4).....(5)..... all the members of the HUF..... having
its registered office at do hereby, for and on behalf of the said firm appoint
Shri..... (Name& designation) Special Attorney of the said HUF and authorize the said
Shri..... (name), whose specimen signature are appended below, to do all or any of the
following acts deeds and/or things on behalf of the said firm and to represent the firm in respect for the Tender
No..... (Name of work) invited by DFCCIL.

- 1.To appear before the office of DFCCIL related to the process of tendering for the above said tender.
- 2.To procure/download the tender documents for the above said tender.
- 3.To digitally sign the above said tender document and for uploading the offer on <https://ireps.gov.in> for the
said Tender. In case the offer is submitted by the person other than those who is appointed as above and there is
difference between the name of the person authorized as above and the person who digitally submitted the offer
then our offer shall be deemed to be summarily rejected.
- 4.To attend meetings and submit clarifications including negotiations, if any, called by DFCCIL.
- 5.To sign the agreement and other relevant documents & receive payment on behalf of firm,
- 6.To co-ordinate measurement through contractor's authorized engineer, witness measurement, sign
measurement books on behalf of firm.
- 7.To compromise, settle, relinquish any claim(s) preferred by the firm, sign no claim certificate and refer all or
any disputes to arbitration.

We/ I have read the content of this Special Power of Attorney & accept the same and We/I hereby agree to
ratify & confirm & do hereby ratify & confirm all acts, deeds & things lawfully done or caused to be done by
our said Attorney.

Members of the HUF
(Name & signature)

(Signature of Sri.....)

DATE

1.....

2.....

Place

3.....

4.....

Seal of Firm

Seal of Firm

Note:- The stamp duty shall be governed by the provision of the Law relating to stamp in force in that State at the time when such Power of Attorney is being executed. The Power of Attorney shall duly registered with registrar or notarized.

(Not required if tender documents are uploaded by Karta himself).

SPECIAL POWER OF ATTORNEY (For Partnership Firms only)

BE IT KNOWN to all that we (1) (2).....
(3).....(4).....(5)..... all the partners of the
firm..... having its registered office at do hereby, for and on
behalf of the said firm appoint Shri..... (Name& designation) Special Attorney of the said
firm and authorize the said Shri..... (name), whose specimen signature are appended
below, to do all or any of the following acts deeds and/or things on behalf of the said firm and to represent the
firm in respect for the tender No..... (Name of
work)..... invited by DFCCIL.

1. To appear before office of DFCCIL related to the process of tendering for the above said tender.
2. To procure/download the tender documents for the above said tender.
3. To digitally sign the above said tender document and for uploading the offer on <https://ireps.gov.in> for the
said Tender. In case the offer is submitted by the person other than those who is appointed as above and
there is difference between the name of the person authorized as above and the person who digitally
submitted the offer then our offer shall be deemed to be summarily rejected.
4. To attend meetings and submit clarifications including negotiations, if any, called by DFCCIL.
5. To sign the agreement and other relevant documents & receive payment on behalf of firm,
6. To co-ordinate measurement through contractor's authorized engineer, witness measurement, sign
measurement books on behalf of firm.
7. To compromise, settle, relinquish any claim(s) preferred by the firm, sign no claim certificate and refer all
or any disputes to arbitration.

We/ I have read the content of this Special Power of Attorney & accept the same and We/I hereby
agree to ratify & confirm & do hereby ratify & confirm all acts, deeds & things lawfully done or caused to
be done by our said Attorney.

(Signature of Sri.....)

Executants Partner
(Name & signature)

DATE

1.....

2.....

3.....

Place :-

4.....

Seal of Firm

Seal of Firm

Note:- The stamp duty shall be governed by the provision of the Law relating to stamp in force in that State
at the time when such Power of Attorney is being executed. The Power of Attorney shall duly registered with
registrar or notarized. (Required even if one or more Partners are authorized in the Partnership Firm to sign on
behalf of the Firm)

DECLARATION BY NEWLY FORMED PARTNERSHIP FIRM/ LLP Firm

(Mandatory if tenderer is Newly Formed Partnership Firm/ LLP Firm)

I..... S/o Shri....., the authorized signatory of partnership firm/ LLP Firm M/s do hereby solemnly affirm and declare as under:

1. That, we are the newly formed partnership firm/ LLP Firm in the name and style of M/sRegistered with registrar of firm vide Registration No..... dated.....
2. In this newly formed Partnership Firm/ LLP Firm, we areNo. of partners. The details of the previous proprietary firm or previous dissolved partnership firm/ LLP Firm or previous splitted partnership firm (s) / LLP Firm wherein any of the partners of the present firm was a proprietor / Partner and proposed to use credentials obtained in such previous propriety firm (s)/Partnership firm(s) / LLP Firm is as under:

S.N.	Name of person in the newly formed partnership firm	Details of Previous proprietary/ Partnership Firm/ LLP Firm	Share in newly formed partnership firm	Share in previous partnership firm/ LLP Firm	Remarks
1.					
2.					
3.					

1. That, following relevant documents are Annexed with bid –
 - (1) Details of previous Propriety firm / Partnership Firm/ LLP firm as per annexure I
 - (2) A copy of previous partnership Firm (Notarized or duly registered with the Registrar) (3) Affidavit as per proforma given of Annexure –IX for previous Propriety firm (duly executed on stamp paper and notarized).
 - (4) Copy of previous LLP agreement and certificate of incorporation.
 - (5) Dissolution deed/ splitting deed of the previous partnership deed or LLP agreement (in case of dissolution of previous partnership firm/ LLP firm)
 - (6) Proof of surrender of previous PAN no (in case of dissolution of previous partnership firm, LLP firm or propriety firm)
 - (7) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such partner(s) joining the new/ existing partnership firm, as per para 16.1 (c), (d), (f),(g), (k) above.

Declaration by the Tenderer:-

We/ I have read the content of this declaration & respective conditions of the GCC regarding assessment of the eligibility of our partnership firm/ LLP firm and have/ has

enclosed all the required mandatory documents accordingly. We/I hereby declare that the information given above are true. If any of the above information is found to be wrong at any time, my tender will liable to be rejected.

**Name and Signature of Tenderer
along with Seal**

Notes-

1. 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 0.3×0.2 * 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.
2. 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.
3. 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.
4. 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.
5. In case a tenderer is LLP, the credentials of tenderer shall be worked out on above lines similar to a partnership firm.

DECLARATION BY AN EXISTING PARTNERSHIP FIRM/ LLP FIRM

(Mandatory if tenderer is an Existing Partnership Firm/ LLP Firm)

(Fill the relevant para (1.1, 1.2 & 1.3) and strike off the para which is not relevant under Partnership Firm)

1.0 I S/o Shri, the authorized signatory of Partnership Firm/ LLP Firm M/s do hereby solemnly affirm and declare as under:

1.1 That, we are an existing Partnership Firm/ LLP Firm in the name and style of M/s....., since..... (MM/YY), having GST Registration No....., PAN/TAN No.....
There has been no change in the Partner(s) of our firm during last 07 (seven) years ending last day of the month previous to the one in which tender is invited.

OR

1.2 That, we are an existing Partnership Firm/ LLP Firm in the name and style of M/s....., Since..... (MM/YY), having GST Registration No....., PAN / TAN No. Following of our partner(s) has/have quit the Partnership firm/ LLP Firm during last 07 (seven) years ending last day of the month previous to the one in which tender is invited, with details as under :

S.No.	Name of quitting Partner(s)	Share of Partner(s) who has/have quitted.	Date of quitting (MM/YY)

AND / OR

1.3 That, we are an existing Partnership Firm/ LLP Firm in the name and style of M/s....., since..... (MM/YY), having GST Registration No....., PAN/TAN No..... Following partner(s) has/have joined our Partnership Firm/ LLP Firm during last 07 (seven) years ending last day of the month previous to the one in which tender is invited, with details as under :-

S.No.	Name of Joining Partner(s)	Share of joining Partner(s)	
		In the present firm	In the previous firm from where he/they has/have quit and joined the present firm

1.4 In case of Para 1.2 and 1.3, following documents as applicable are required to be submitted along with bid:-

- (1) Details of previous Propriety firm / Partnership Firm/ LLP firm as per annexure I.
- (2) A copy of previous partnership Firm (Notarized or duly registered with the Registrar) (3) Affidavit as per proforma given of Annexure –IX for previous Propriety firm (duly executed on stamp paper and notarized).
- (4) Copy of previous LLP agreement and certificate of incorporation.
- (5) Dissolution deed/ splitting deed of the previous partnership deed or LLP agreement (in case of dissolution of previous partnership firm/ LLP firm)
- (6) Proof of surrender of previous PAN no (in case of dissolution of previous partnership firm, LLP firm or propriety firm)
- (7) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such partner(s) joining the new/ existing partnership firm, as per para 16.1 (c), (d), (f),(g), (k) above.

Declaration by the Tenderer :-

We/ I have read the content of this declaration & respective conditions of the GCC regarding assessment of the eligibility of our partnership firm/ LLP firm and have/ has enclosed all the required mandatory documents accordingly. We/I hereby declare that the information given above are true. If any of the above information is found to be wrong at any time, my tender will liable to be rejected.

Name and Signature of Tenderer along with seal.

1. 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.

2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. In case a tenderer is LLP, the credentials of tenderer shall be worked out on above lines similar to a partnership firm.

SPECIAL POWER OF ATTORNEY (For Private/Limited companies only)

BE IT KNOWN To all that (Name of firm) having its registered office at do hereby, for and on behalf of the firm appoint Shri..... (Name& designation) Special Attorney of the said firm and authorize the said Shri..... (name) whose specimen signatures are appended below, to do all or any of the following acts deeds and/or things on behalf of the said firm and to represent the firm in respect for the tender No..... (Name of work) invited by DFCCIL.

1. To appear before office of DFCCIL related to the process of tendering for the above said tender.
2. To download the tender documents for the above said tender.
3. To digitally sign the above said tender document and for uploading the offer on <https://ireps.gov.in> for the said Tender.
4. To attend meetings and submit clarifications including negotiations, if any, called by DFCCIL.
5. To sign the agreement and other relevant documents & receive payment on behalf of Company,
6. To co-ordinate measurement through contractor authorized engineer, witness measurement, sign measurement books on behalf of Company.
7. To compromise, settle, relinquish any claim(s) preferred by the firm, sign no claim certificate and refer all or any disputes to arbitration.

We have read the content of this Special Power of Attorney & accept the same and we hereby agree to ratify & confirm & do hereby ratify & confirm all acts, deeds & things lawfully done or caused to be done by our said Attorney.

(Signature of Shri.....)

Authorized signatory of the firm

Dated.....

Place

Seal of Firm

Note:- The stamp duty shall be governed by the provision of the Law relating to stamp in force in that State at the time when such Power of Attorney is being executed. The Power of Attorney shall duly registered with registrar or notarized.

Required even if tender documents are submitted by the authorized/ power of attorney holder himself as per resolution passed by Board of Directors

DECLARATION REGARDING CONSTITUTION OF EXISTING/ NEW COMPANY**(Mandatory if tenderer is an Existing / New Company)**

(Fill the relevant para (1.1, 1.2 & 1.3) and strike off the para which is not relevant under Partnership Firm)

1.0 I S/o Shri, the authorized signatory of the Company M/s do hereby solemnly affirm and declare as under :

1.1 That, we are an existing Company working in the name and style of Registration No....., PAN/TAN No..... There has been no change in the constitution of our Company during last 07 (seven) years ending last day of the month previous to the one in which tender is invited.

OR

1.2 That, we are an existing Company working in the name and style of Registration No....., PAN / TAN No. Following Company (ies) merged in the Company during last 07 (seven) years ending last day of the month previous to the one in which tender is invited, with details as under:

S.No.	Name of quitting Partner(s)	Share of Partner(s) who has/have quitted.	Date of quitting (MM/YY)

1.3 In case of Para 1.2, following documents as applicable are required to be submitted along with bid:-

- (1) Details of company getting merged as per annexure I
- (2) Copy of Memorandum of Association/ Articles of Association of the Company getting merged
- (3) Copy of certificate of incorporation of previous company getting Merged.
- (4) Resolution by the Board of Directors for the Merger of the company(s) with the tenderer
- (5) Proof of surrender of previous PAN no
- (6) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such Company(s) joining the new/ existing Company, as per para 16.1 (c), (d), (f), (g), (k) above.

Declaration by the Tenderer :-

We/ I have read the content of this declaration & respective conditions of the GCC regarding assessment of the eligibility of our partnership firm/ LLP firm and have/ has enclosed all the required mandatory documents accordingly. We/I hereby declare that the information given above are true. If any of the above information is found to be wrong at any time, my tender will liable to be rejected.

Name and Signature of Tenderer along with seal.

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

SPECIAL POWER OF ATTORNEY (For Registered Society & Registered Trust)

KNOW ALL MEN BY THESE PRESENTS: WHEREAS M/S
..... (Name of **Registered Society / Registered Trust**) is a
Registered Society / Registered Trust registered under the Act (Name of the act
vide which registered), and having its registered office
at..... (hereinafter called the '**Registered Society / Registered Trust**').

AND WHEREAS by its resolution No..... passed in the meeting held on..... of the
Executive Member of the **Registered Society / Registered Trust** the
Registered Society / Registered Trust (**Registered Society / Registered Trust** name)
have decided to participate in the tender
No. invited by DFCCIL for the work namely
“ .. ”

I.....(name and designation) the authorized representative of M/S
.....(name of **Registered Society / Registered Trust**) duly authorized in this
behalf by aforesaid resolution do hereby irrevocably constitute, nominate, appoint and authorize Mr./Ms.
.....(designation).....(address).....& Mr./Ms./Mr./Ms
.....(designation).....(address)..... who is/are presently holding the above
mentioned position in the **Registered Society / Registered Trust** as our true and lawful attorney (hereinafter
referred to as “Attorney”) of the **Registered Society / Registered Trust** to jointly or severally exercise all or
any of the following powers for and on behalf of M/S
(name of **Registered Society / Registered Trust**) in respect of the aforesaid tender Invited by DFCCIL :

1. To appear before office of DFCCIL related to the process of tendering for the above said tender.
2. To download the tender documents for the above said tender.
3. To digitally sign the above said tender document and for uploading the offer on <https://ireps.gov.in> for the said Tender.
4. To attend meetings and submit clarifications including negotiations, if any, called by DFCCIL.
5. To sign the agreement and all other required documents & receive payment.
6. To co-ordinate measurement through contractor authorized engineer, witness measurement, sign measurement books on behalf of Registered Trust/Society.
7. To compromise, settle, relinquish any claim(s) preferred by the firm, sign no claim certificate and refer all or any disputes to arbitration

The **Registered Society / Registered Trust** agrees and undertakes that in the event of any change in the constitution of the **Registered Society / Registered Trust**, the rights and obligations of the **Registered Society / Registered Trust** shall continue to be in full force without any effect thereof.

The **Registered Society / Registered Trust** undertakes that it shall not cancel or amend this power of Attorney without obtaining previous written consent of DFCCIL.

AND the **Registered Society / Registered Trust** hereby agrees that all acts, deeds or things lawfully done by the said Attorneys or either of them under the authority of this power shall be construed as acts, deeds and things done by the **Registered Society / Registered Trust** and the **Registered Society / Registered Trust** hereby undertakes to confirm and ratify all and whatsoever the said Attorneys or either of them shall lawfully do or cause to be done by virtue of the powers hereby given.

IN WITNESS WHEREOF this deed has been signed and sealed
Shri.....(name and designation), on this..... day
of..... 20...., in presence of:
WITNESSES:

Signature Name:
Address:

Signatures of authorized
representative
& Seal of **Registered Society /**
Registered Trust

Name of authorized rep
(Executants):
Designation:

Signature Name:
Address:

Specimen Signatures of Attorney Holder(s) in token of acceptance:

(1)Name Signature.....

(2Name).....Signature.....

Executed and Signed before me on this.....day of
At(place).

(Seal and signature of Notary Public)

Note:- The stamp duty shall be governed by the provision of the Law relating to stamp in force in that State at the time when such Power of Attorney is being executed. The Power of Attorney shall duly registered with registrar or notarized.

(Required even if tender documents are submitted by the authorized/ power of attorney holder himself)

Annexure –XXII

SPECIAL POWER-OF-ATTORNEY (For LLP Firm incorporated under LLP Act)

(To be executed non judicial stamp paper of appropriate value as per law of state concerned Non-Judicial stamp paper should be purchased in the name of the LLP)

KNOW ALL MEN BY THESE PRESENTS: WHEREAS M/S
..... (Name of LLP & LLPIN number) is a
LLP Firm registered under the LLP Act, 2008, and having
its registered office at..... (hereinafter
called the 'LLP'). AND WHEREAS by its resolution No..... passed in the meeting held
on..... of the Partners of the LLP (LLP name) have decided to
participate in the tender No. _____ invited by DFCCIL for
the work namely
“ _____ ”

I.....(name and designation) the authorized
representative of M/S (name of
LLP) duly authorized in this behalf by aforesaid resolution do hereby irrevocably constitute,
nominate, appoint and authorize Mr./Ms.
_____(designation)_____(address)_____ & Mr./
Ms./Mr./Ms. _____(designation)_____(address)_____ who is/are
presently holding the above mentioned position in the LLP as our true and lawful attorney
(hereinafter referred to as “Attorney”) of the LLP to jointly or severally exercise all or any of the
following powers for and on behalf of

M/S..... (name of LLP & LLPIN number)
in respect of the aforesaid tender Invited by the DFCCIL :

1. To appear before office of DFCCIL related to the process of tendering for the above said tender.
2. To download the tender documents for the above said tender.
3. To digitally sign the above said tender document and for uploading the offer on <https://ireps.gov.in> for the said Tender.
4. To attend meetings and submit clarifications including negotiations, if any, called by DFCCIL.
5. To sign the agreement and other relevant documents & receive payment on behalf of firm,
6. To co-ordinate measurement through contractor authorized engineer, witness measurement, sign measurement books on behalf of firm.
7. To compromise, settle, relinquish any claim(s) preferred by the firm, sign no claim certificate and refer all or any disputes to arbitration

The LLP agrees and undertakes that in the event of any change in the constitution of the LLP, the rights and obligations of the LLP shall continue to be in full force without any effect thereof. The LLP undertakes that it shall not cancel or amend this power of Attorney without obtaining previous written consent of DFCCIL.

AND the LLP hereby agrees that all acts, deeds or things lawfully done by the said Attorneys or either of them under the authority of this power shall be construed as acts, deeds and things done by the LLP and the LLP hereby undertakes to confirm and ratify all and whatsoever the said Attorneys or either of them shall lawfully do or cause to be done by virtue of the powers hereby given.

IN WITNESS WHEREOF this deed has been signed and sealed by WITNESSES:

Signature Name:

Address:

Name of (Executants):

Designation:

Signatures of authorized representative & Seal

of LLP: authorized representative

Signature Name:

Address:

Specimen Signatures of Attorney Holder(s) in token of acceptance:

(1)Name Signature.....

(2)Name).....Signature.....

Executed and Signed before me on this.....day of

..... At(place).

(Seal and signature of Notary Public)

Note:- The stamp duty shall be governed by the provision of the Law relating to stamp in force in that State at the time when such Power of Attorney is being executed. The Power of Attorney shall duly registered with registrar or notarized.

Required even if tender documents are submitted by the authorized/ power of attorney holder himself as per resolution passed by Partners of the LLP

Annexure -XXIII

**Partner's Resolution of LLP Firm incorporated under LLP Act for submitting Tender
by LLP firm (To be printed on Firm's letter head)**

EXTRACT OF THE RESOLUTION PASSED AT THE MEETING OF THE PARTNERS OF _____ (LLP Name) having LLPIN _____ of 20.....
(Hereinafter referred to as LLP) HELD ON (Date) _____ AT (Address) _____
Whereas the Board has been described about NIT No. _____ issued by DFCCIL for the work name "_____". Partners discussed the matter and after discussion following resolution was passed: RESOLVED THAT the LLP (LLP name) shall participate in the above tender Resolved further that the LLP/Partners authorize(s), Mr./ Ms. _____ & Mr./ Ms. _____ (name and designation) of the LLP, to jointly or severally sign and submit all the necessary papers, letters, forms, quotes, bids etc., negotiate, discuss, agree to make any amendments, alterations or modifications thereto and to make representations, submit papers, affidavits and to do any other act and complete requisite formalities on behalf of the LLP in connection with completion of aforesaid tender work and to enter into liability against the LLP. Resolved further that LLP/Partners authorize(s) Mr./Ms. _____ (Name and Designation) of the LLP to execute Power of Attorney in terms of this resolution in favour of Mr./Ms. _____ & Mr./Ms. _____ the person(s) above named.
The acts done and documents executed by such above named authorized person(s) shall be binding on the LLP.

For the Organization,

(Seal of LLP & Signature of authorized person)

Name of authorized person: _____

Designation: _____

Place:

Dated:

Executed and signed before me on this.....day of..... At
..... (place).

(Seal and signature of Notary Public)

Note: -

1. Stipulations in the above specimen Resolution are for guidance only. LLP firm can incorporate other stipulations relevant with the tender and formation of JV, if required.
2. The above Annexure should be executed on the Letter Head of LLP firm.
Required even if tender documents are submitted by the authorized/ power of attorney holder himself as per resolution passed by Partners of LLP firm.

(Mandatory if exemption from Bid Security requested)

Bid Security Declaration Form

Date: _____

Tender No. DFC-BRC-Snt-AFDAS-25-314

To
Chief General Manager/Vadodara
4th Floor, Block-A, SSNNL Office,
Narmada Neher Bhawan, Chhani Jakat Naka,
Vadodara - 390024

I/We. The undersigned declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)

in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder) Dated on

_____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

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 17B of the Standard General Conditions of Contract of GCC April-2022 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 upto 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 of GCC April-2022.

Yours faithfully

For and on behalf of the Employer
Name of the Official
Stamp/Seal of the Employer

Annexure -XXVI

**PROFORMA OF 7 DAYS NOTICE FOR WORKS AS A WHOLE/IN PARTS (DETAILS OF PART
OF WORK TO BE MENTIONED)**

DFCCIL
(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 programme for completing the work.
2. Your attention is invited to this office/Chief General Manager'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 of GCC April-2022 to commence works/to make good the progress, failing which further action as provided in Clause 62 of the Standard General Conditions of Contract of GCC April-2022 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 Em

PROFORMA OF 48 HRS. NOTICE FOR WHOLE WORK
DFCCIL

(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 of GCC April-2022 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 of GCC April-2022 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 Security Deposit shall be forfeited and Performance Guarantee shall also be encashed 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

PROFORMA OF 48 DAYS NOTICE FOR PART OF THE WORK -----
(DETAILS OF PART OF WORK TO BE MENTIONED)

DFCCIL
(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 of GCC April-2022 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 part of work (Details of part to be mentioned).
2. You are hereby given 48 hours' notice in terms of Clause 62 of Standard General Conditions of Contract of GCC April-2022 to commence works/to make good the progress of works, failing which and on expiry of this period your above part of work... (Details of part to be mentioned) in Contract will be rescinded and the work will be carried out independently without your participation.
3. Your full Performance Guarantee for the Contract shall be forfeited and you shall not be issued any Completion Certificate for the Contract. However, no additional Performance Guarantee shall be required for balance of work being executed through the part terminated Contract.
4. The Contract value of part terminated Contract shall stands reduced to -----.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the Employer
Name of the Official
Stamp/Seal of the Employer

Annexure -XXIX

Reference Para 62(1)
Registered Acknowledgement Due

PROFORMA OF TERMINATION NOTICE

DFCCIL
(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 of GCC April 2022 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 Security Deposit shall be forfeited and Performance Guarantee shall also be encashed.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the Employer
Name of the Official
Stamp/Seal of the Employer

PROFORMA OF TERMINATION NOTICE FOR PART OF THE WORK -----
----- (DETAILS OF PART OF WORK TO BE MENTIONED)

DFCCIL
(Without Prejudice)

No. -----

Dated -----

To
M/s

Dear Sir,

Contract Agreement No. -----

----- In -----
connection with

1. 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 part of work (details of part to be mentioned).
2. Your above part of work in Contract ----- (details of part to be mentioned) stands rescinded in terms of Clause 62 of Standard General Conditions of Contract of GCC April-2022 and the same 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.
3. Your full Performance Guarantee for the Contract shall be forfeited and you shall not be issued any Completion Certificate for the Contract. However, no additional Performance Guarantee shall be required for balance of work being executed through the part terminated Contract.
4. The Contract value of part terminated Contract stands reduced to----- ..

Kindly acknowledge receipt.

Yours faithfully

For and on behalf
of the Employer
Name of the
Official
Stamp/Seal of the Employer

**END
OF
DOCUMENT**