



Name of Work - Manufacture, supply, transportation and delivery of P-Way material for Track maintenance between Kishangarh Balawas – Madar at IMD-SMPN depot under jurisdiction CGM/DFCCIL/Jaipur.

Tender No. JP-EN-Joggled-FishPlate

Single Packet OPEN E-TENDER

TENDER DOCUMENT
(NOT TRANSFERABLE)
November -2022

(PARTICIPATION THROUGH E-TENDER ONLY)

E-tendering site- <https://www.ireps.gov.in/> /
Its link at www.dfccil.com

Employer:

Chief General Manager
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.
(A GOVERNMENT OF INDIA ENTERPRISE)
Under
MINISTRY OF RAILWAYS

Jaipur office:-
C-16, Khushi Vihar, Patrakar Colony
Mansarovar, Jaipur - 302020

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E-procurement Notice

1. Chief General Manager /Jaipur for and on behalf of DFCCIL invites e-tenders on Single packet system on prescribed forms from firms/Companies having requisite experience and financial capacity for execution of the following work:-

1	E-Tender No.	JP-EN-Joggled-Fish Plate
2	Name of Work	Manufacture, supply, transportation and delivery of P-Way material for Track maintenance between Kishangarh Balawas – Madar at IMD-SMPN depot under jurisdiction of CGM/DFCCIL/Jaipur.
3	Estimated Cost of Work	Rs. 45,45,304/- (Rs. Fourty Five Lakh Fourty Five Thousand Three Hundred four) (Including GST)
4	Completion Period	3 months
5	Tender Fee	Rs. 3,000/- (Rs. Three Thousand only) + 18 % GST = 3,540/- to be paid online through payment gateway provided at www.ireps.gov.in
6	Earnest Money	Rs.90,900/- to be paid online through payment gateway provided at www.ireps.gov.in
7	Download bid documents up to	15:00 Hrs. of 28.11.2022 on www.ireps.gov.in
8	Last date & time of online receipt of bid	15:00 Hrs. of 28.11.2022 on www.ireps.gov.in
9	Date and time of Online opening of bid	15.30 Hrs. of 28.11.2022 on www.ireps.gov.in
10	Validity of offer	45 Days from the date of opening of tender.
11	Performance Bank Guarantee	Performance Guarantee (PG) have to be submitted within 21 (twenty one) days from the date of issue of Letter of Acceptance (LOA), amounting to three percent (5%) of the contract value in the form as given in clause 16.4 of GCC-2022.
12	Address of Communication	Office of the Chief General Manager, Dedicated Freight Corridor Corporation of India Ltd.C-16, Khushi Vihar, Patrakar Colony, Mansarovar, Jaipur - 302020. Website: www.dfccil.com
13	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
14	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 15 days in advance of date of opening of tender and placed on the website www.ireps.gov.in only.

- Note-** 1. Tender documents should be downloaded from the website address <https://www.ireps.gov.in>. Payment of Tender Document fee & EMD, in respect of e-tendering, should accept through net banking or payment gateway only. Any tender received without EMD or cost of tender documents in the form as specified in the tender documents shall not be considered and shall be summarily rejected.
2. Eligibility of the applicants shall be assessed based on the “Essential Qualification Criteria”
 3. The Offer shall be valid for 45 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 The EMD of such tenderers shall be forfeited.
 4. Website www.ireps.gov.in/eprocure/app may be referred for detailed terms and conditions of the bidding documents, which is available on line. Amendments / Corrigendum / Addendum, if any would be hosted on the website only. Interested bidders are advised to check website regularly for any Addendum/ Corrigendum.
 5. The tender documents shall be submitted in online mode only through website www.ireps.gov.in.
 6. No tender document will be available offline. Downloading tender documents online and submission of tender online is mandatory for this tender.
 7. DFCCIL reserves right to cancel the tender before submission / opening of tender, postpone the tender submission / opening date and to accept / reject any or all tenders without assigning any reason thereof. DFCCIL's assessment of suitability as per eligibility criteria shall be final and binding.
 9. DFCCIL reserves the right to pre-qualify the bidder(s) provisionally based on the documents submitted by them, subject to their final verification. In the event of any document being found false, the provisional qualification shall stand withdrawn, and the next lower bidder shall automatically come to the position of such disqualified bidder. Action against such disqualified tenderers shall be taken as per above Clause No. 7 above.
 10. Information as required as per various Forms to tender document should be submitted by the tenderers without fail strictly as per formats.

**Chief General Manager
DFCCIL, Jaipur**

Section A

**INSTRUCTIONS FOR SUBMITTING E-BIDS ON IREPS SITE &
SCHEDULE OF ITEMS**

INSTRUCTIONS FOR SUBMITTING E-BIDS ON IREPS SITE & SCHEDULE OF ITEMS

- 1.0 Please read carefully all Instructions of E-Tender document consisting of as given in para 5.0 below.
- 2.0 Your digital signature on the E-Tender form will be considered as your confirmation that you have read and accepted all the conditions laid down in the E-tender documents referred in para 1.0 above as well as schedule of tender, consisting of Techno-Commercial offer Form (including special conditions attached to E-Tender) and Financial offer Form, unless specific deviation is quoted in the Techno- Commercial offer form.
- 2.1 Firms, which are not registered on IREPS may refer to Annexure A-1 in which details of registration procedure on IREPS site are mentioned. They are also advised to refer to Annexure A-2 in which procedure for obtaining Class-III Digital signature is indicated.

2.2 List of Contact persons for this tender & Bank Account Details of DFCCIL

DFCCIL Contact- 1	Sh. Yashwant Singh
Telephone/Mobile No.	9001845800
E-mail ID	ysingh@dfcc.co.in

DFCCIL Contact- 2	Sh. H. K Jain
Telephone/Mobile No.	9521666628
E-mail ID	hkjain@dfcc.co.in

DFCCIL Contact- 3	Sh. Sanjay Gupta
Telephone/Mobile No.	8003899325
E-mail ID	sgupta@dfcc.co.in

Name	CPM DFCCIL Jaipur
Bank account number	369201010054636
IFSC code	UBIN0536920
Bank Name	Union Bank of India
Bank Branch	Bapu Nagar, Jaipur (Rajasthan)

- 3.0 All mandatory fields marked with (*) have to be filled in by the bidders.
- 4.0 The cost of tender document is dispensed with for tender documents downloaded by bidders from website www.ireps.gov.in.
- 5.0 E-Tender document consists of –
- Instructions for submitting E Bids on IREPS Site and Schedule of Items: SECTION “A”
 - Instructions to tenderers and Special Conditions of Contract applicable for E- Tenders: SECTION “B”
 - Important Terms & conditions of Electronic Tender Schedule of Requirement:SECTION “C”
 - Information regarding workload on Tenderer: SECTION “D”
 - Special conditions for supply of free rails and Guarantee of Stores: SECTION “E”
 - Instruction for tenderers on LC mode of payments: SECTION “F”
 - Tender Conditions for Stores Tenders: SECTION “G”
 - Technical Specification: SECTION “H”
 - IRS Conditions of Contract and its amendments.

- 6.0 No Manual offers sent by post/Fax or in person shall be accepted against such E-tenders even if these are submitted on the Firm's letter head and received in time. All such manual offers shall be considered as INVALID offers and shall be rejected summarily without any consideration.
- 7.0 DFCCIL Jaipur have arrangement for making payments through RTGS/NEFT system for quick money transfer to the tenderers account. Tenderers must give their consent in the mandate form provided at Annexure '8' of Section-B of Tenders for Supply Contract, for receipt of payment through RTGS/NEFT.
- 8.0 The tenderers must fill in the techno-commercial offer form (consisting of eligibility criteria, terms & conditions, performance statement, deviation statement, check list & special conditions etc.), financial offer form and attach scanned copy of all the documents needed as per Section-A, Section-B & Section -C as available on IREPS site i.e. www.ireps.gov.in.
- 9.0 All the mandatory fields of the Techno-commercial Offer Form and Financial Offer Form (i.e. Rate page) including basic rate, all taxes & duties (including percentage of CGST/IGST/UTGST/SGST or any other taxes/duties which may become applicable during the currency of Contract). Once the unit of rate shall be as indicated in the tender schedule and this cannot be changed or altered by the vender. Thereafter, all-inclusive unit rates on for destination basis shall be automatically calculated by the system and shown to the vendor before submission of offer.

Important Note: - All tenderers should note carefully that the entries for rate, taxes & duties and any other levy shall have to be made by them only in the relevant fields as provided in the financial offer form. In case, any entry made by tenderer outside the relevant field, same shall be ignored by the system while evaluating the offers for the reason that the comparative statement is prepared automatically by the system on the basis of the entries as made by tenderer in the relevant & respective field only. This computer generated comparative statement forms the basis for evaluation of offers, deciding the inter-se ranking of offers and further deciding the tender accordingly.

If the any duty/taxes, packing charges, forwarding charges etc. are not quantified in exact % age, then these elements like taxes/duties etc. shall also be taken as nil by the system in the comparative statement prepared automatically by the EPS system.

It is therefore, in the interest of the vendors to enter the exact %age or Amount in the relevant fields in the financial offer form, failing which any entry made by the tenderer outside the relevant field shall be ignored and considered the same with impact as nil while deciding the inter ranking of the offers irrespective of the fact whether the tenderer has mentioned specific rates at some other place in its offer instead of the nominated field.

Therefore, it is quite essential for the vendor to note that the entries for rate, taxes/duties and any other levy should not be made anywhere else except in the appropriate field/column provided in the financial offer form.

- 10.0 The E-bid system does not permit submission of any offer after closing date & time of the e-tender. Hence there is no scope of any late or delayed offer in the online bidding process.

11.0 E-Tender form is not transferable and the same is to be submitted with digital signatures by the pre-authorized personnel of the vendor, already registered with the site.

12.0 EARNEST MONEY DEPOSIT: FOR OPEN TENDERS:

12.1 The Earnest Money Deposit (E.M.D.) shall be taken from all tenderers against advertised tenders subject to exemptions as detailed in condition No.11 of Section -C

12.2 The amount of EMD has been as specified in condition No. 11 of Section-C

12.3 If a tenderer does not furnish the earnest money & is seeking waiver or exemption from payment of EMD he/she shall have to attach scanned copy of requisite documentary evidence in support of his/her claim and he/she should clearly indicate the category under which the firm is exempted. Failure to do so will be taken as unwillingness on his/her part to deposit the earnest money and such offers are liable to be ignored. For the other tenderers, Earnest Money as stipulated in the Notice for Invitation of Tenders (NIT) will have to be paid online through Payment Gateway link.

13.0 Drawings and Specifications:

13.1 Unless Drawings and Specifications as mentioned in the tender schedule/enquiry /offer form are provided with the tender documents.

13.2 Deleted

14.0 E-Tender Opening:

14.1 No Vendor shall be required to be present in the DFCCIL office for any E- Tender Opening Process to know the comparative position. They can obtain totally transparent bid tabulation statement by logging on to the website.

14.2 DFCCIL do not guarantee opening of tenders at the specified Date and Time due to reasons beyond control and unavoidable circumstances hence tenders can be opened even after due date and time. It shall, however, be ensured that no bids are submitted after tender closing Date and Time. Vendors cannot submit any offer or attach any file after the stipulated due date and time as given in the tender notice.

15.0 Documents to be attached/uploaded along with electronic offer by the tenderer:

Scanned copies of all the documents, which are required to be submitted by the tenderer in reference to our bid conditions as specified in bid documents shall have to be uploaded, along with their electronic offer.

16.0 Rate, Taxes and Duties:

16.1 Each vendor shall fill in and submit the Financial Offer with % age above or below or at par on the amount of schedules are to be submit online mode.

16.2 The rates should be quoted carefully in figures as well as in words. If there is variation between rates quoted in figures and in words, the rate quoted in 'words' shall be taken as correct. If more than one or improper rates are tendered for the same item, the tender is liable to be rejected. Tenderers are required to quote in the same rate unit (i.e. Number, set etc.) as given in the Tender Schedule. Any deviation in this aspect will make the offer liable to be ignored.

17.0 GOODS AND SERVICE TAX (CGST/IGST/UTGST/SGST)

- 17.1 Tenderer should bear the fact in mind while quoting the rates that GST is included in rates as per prevailing rate as applicable. GST should be deposited by contractor & documentary evidence of deposition of GST will be produced by contractor.
- 17.2 Permits, Fees, Taxes & Royalties:- 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 taxes and duties.
The DFCCIL authorities will not take any responsibility of refund of such taxes/fees. Any violation, in the legal provision of taxes, duties, permits and fees, carried out by the Contractor and detected subsequently shall be sole responsibility of the Contractor and his legal heirs.
- 17.3 GST will be paid subject to Tax invoice and government notification only.

18.0 STATUTORY INCREASE IN DUTIES, TAXES ETC

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

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.

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/bidding contractor should bear the above fact in mind.

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

19.0 EXCISE DUTY OR ANY OTHER TAXES/DUTIES:

The contractor shall bear full taxes /duties levied by state government and / or Central Government/ Local bodies from time to time. This would be entirely a matter between the contractor and the State / Central Government/ Local bodies. No claim, what so ever, on this account shall be entertained by DFCCIL.

20.0 ROAD TAX CHARGES:

Road Tax/Charges levied by Government for movement of vehicles of contractor, used in transportation, shall be borne by the contractor and no re-imburement on this account will be made by the DFCCIL.

Important notice to Vendors not registered on IREPS for Participation in E tenders floated on IREPS site

- 1.1.1 Please note that the bids/offers against above tender case of this DFCCIL have been invited electronically to be submitted in Electronic format available on website www.ireps.gov.in.
- 1.1.2 The bid submitted manually shall not be accepted at all. So, all the prospective bidders are requested to submit their offer electronically only in the format available on website www.ireps.gov.in.
- 1.1.3 For submitting the offer electronically, the tenderers are required to have their class III DigitalSignatures Certificate and registration on Indian Railways E Procurement (IREPS) website www.ireps.gov.in.
- 1.1.4 It may be noted that it shall be the sole responsibility of prospective bidders to get themselves registered on IREPS website and to submit their bid electronically prior to due date. DFCCIL shall not extend due date of tender opening for any delay on part of the bidder in obtaining digital signature and registration on IREPS site and later on DFCCIL/Jaipur shall not entertain any complaint for not giving opportunity to the tenderer to quote against this E-tender.
- 1.1.5 The vendors are also requested to read the Vendor user manual available on IREPS website and familiarize themselves with the electronic tender process.
- 1.1.6 The procedure in brief for obtaining digital signatures and registration on IREPS site are available in Annexure-B for the guidance of bidders.

Procedure for obtaining Class III digital signatures for participation intender of DECCIL JAIPUR through e-procurement.

- 1.1.6.1 Vendors desirous of Registration on IREPS website <http://www.ireps.gov.in/>, have to obtain class III digital signatures as a prerequisite for registration.
- 1.1.6.2 The digital signature is a tool required for authentication of person who is signing and submitting the document electronically on the website.
- 1.1.6.3 The type of digital signature required for participation in the tenders of IREPS is a "Class III digital certificate".
- 1.1.6.4 The digital certificate can be purchased by vendor from any of the Certifying Agencies authorized by Controller of Certifying Agencies (CCA) on payment of charges.
- 1.1.6.5 The details of the Certifying Agencies for selling of digital signatures are available on website of CCA --- <http://www.cca.gov.in/>.
- 1.1.6.6 Vendors are requested to contact any of the Certifying Agencies for purchase of digital signature and then submit its request for registration on website of IREPS.
- 1.1.6.7 After having obtained class III Digital Signatures, the vendors may click on the "new vendors" link on IREPS website <http://www.ireps.gov.in/> which will open a form for registration on the website. Vendors are requested to fill the complete details along with details of digital certificate on this registration form and submit.
- 1.1.6.8 The registered vendors shall be sent their "user name" and "password" in their e-mail by CRIS for logging on the website of IREPS.
- 1.1.6.9 Thereafter, new registered vendors can submit their offers after logging on the website using their digital signatures certificate.
- 1.1.6.10 In case any problem is faced during registration on IREPS website then help can be obtained from help desk CRIS (Centre for Railway Information System) which is being maintained at IREPS website by contacting at following telephone numbers:
I. 011-24105180 II. 011-24102855
Alternatively an e-mail can be sent to help desk of CRIS at following e-mail address:
helpdesk.eps@cris.org.in Contacts details of officials of CRIS are as under:

1.1.6.10.1	GM/Project	Tel. No. 011-23379934
1.1.6.10.2	DGM/Project	Tel. No. 011-24104525

SCHEDULE OF ITEMS

Name of Work:- Manufacture, supply, transportation and delivery of P-Way material for Track maintenance between Kishangarh Balawas – Madar at IMD-SMPN depot under jurisdiction of CGM/DFCCIL/Jaipur.

S.N	Item Description	Unit	Qty	Unit Price in Rs. (Including 18 % GST)	Total Amount in Rs.
1	Manufacturing and supply of Joggled Fish plates 60kg rails to RDSO Drg. No. T-5849 with latest alteration conforming to IRS specification No. T-1: 2021 Provisional with latest corrigendum issued up to 20 days prior to the date of closing of tender.	Per Set	600	2803.98	1682388
2	Manufacturing and supply of 1.0 meter long Fish Plate 60 kg rails as per RDSO Drg. No. T-5916 (Excluding nut & bolt & washer) with latest alteration conforming to IRS specification No. T-1: 2021 Provisional with latest corrigendum issued up to 20 days prior to the date of closing of tender.	Per pair	150	4318.8	647820
3	Manufacturing and supply of MS Clamp for 60 kg Joggled Fish Plates to RDSO Drg. No. T-5854 & 5854/1 with latest alteration conforming to IRS specification No.IS-226-1975. with latest corrigendum issued up to 20 days prior to the date of closing of tender. (One set of clamp consists of following items - (i) M.S. Clamp as per Drg. No. RDSO/T- 5854=01 No. (ii) M.S. Clamp as per Drg. No. RDSO/T-5854/1= 01No. (iii) Bolt with nut 25x260mm as per Drg. No. RDSO/T-11525=01No. Note: Values of A, B C, and D mentioned in above RDSO drawing shall be A=86, B=96, C=184 & D=172 as mentioned in Note 9 of RDSO Drg. No. T-5849.	Set	2600	851.96	2215096
				Total	4545304
				Total cost including all taxes	45,45,304

Note-

1. The rate shall be inclusive of all other taxes and levies as applicable & also covering the Scope of work.
2. Above rate are inclusive of GST but not including other taxes as applicable in Rajasthan.
3. DFCCIL reserves its right for pre-dispatch inspection which may be carried out at manufacture's/supplier's work by DFCCIL's authorized representative and/or a third party inspection agency duly approved by DFCCIL to ensure that the materials/equipment, being supplied, conform to the contractual specifications. Supplier will provide all testing facilities without any extra cost to DFCCIL.

SECTION-B
INSTRUCTIONS TO TENDERERS AND SPECIAL CONDITIONS
OF CONTRACT APPLICABLE FOR E-TENDER

1.0 GENERAL INSTRUCTIONS

- 1.1** On behalf of the President of India, the Chief General Manager, DFCCIL-Jaipur, C-16, Khushi Vihar, Patrakar Colony, Mansarovar, Jaipur (hereinafter referred to as the Purchaser), invites E- tenders for manufacture, supply, transportation and delivery of P-Way material for Track maintenance between Kishangarh Balawas – Madar at IMD-SMPN depot under jurisdiction of CGM/DFCCIL/Jaipur on the IREPS site.
- 1.2** All the E-Bids in prescribed electronic tender form on the IREPS site should be submitted before the due date and time.
- 1.3** The contract, if placed, shall be governed by the latest version of Indian Railways Standard (IRS) Conditions of Contract as supplemented by Special conditions of Contract and instructions to tenderers contained in this booklet of DFC Railway with latest correction slip if any and Important terms and conditions of e-tender SOR i.e. Section-C. This booklet with latest correction slip & Indian Railways Standard (IRS) Conditions of Contract is also available on website www.ireps.gov.in.
- 1.4** The stores, offered should be in accordance with stipulated drawings and specifications in “Electronic Tender Schedule of Requirements”. The e-bids should comply with the Instructions to Tenderers, IRS and Special Conditions of Contract. Details of deviations, if any, from tender specification and other conditions should be clearly indicated in deviation statement in Annexure-1. The Purchaser, however, reserves the right to accept or reject these deviations and his decision thereon shall be final.
- 1.5** The tenderer may download the e-tender form from the “IREPS website”.
- 1.6** Corrigendum: Purchaser reserves the right to issue any corrigendum to the tender even upto ten days prior to the due date of opening of the tender. Tenderers are also advised to check the website for the purpose of submitting their e-bids or revising their e-bids, whether any such corrigendum to the tender has been issued or not.

2.0 ELIGIBILITY CRITERIA AND QUALIFYING REQUIREMENTS OF TENDERERS:

- 2.1 See Important Terms and Conditions of Electronic Tender of SOR i.e. Section C at Para 2.0 [Sl. No. 2.1 to 2.3]**
- 2.2 CARTEL FORMATION:** In cases where cartel is suspected among approved sources, the purchaser shall be at a liberty to exercise the following:
 - (a) Whenever all or most of the participating tenderers quote equal rates and cartel formation is suspected, the Purchaser reserve the right to place order on one or more tenderers with exclusion of the rest without assigning any reason thereof.
 - (b) Offers for quantity less than 50% of tendered quantity will be considered unresponsive and liable to be rejected in case cartel formation is suspected. Purchaser, however, reserve the right to order on one or more tenderers any quantity.
 - (c) The firms who quote in cartel are warned that their names are likely to be deleted from list of approved sources.

- 2.3** Should a tenderer have a relative employed in Gazetted capacity in the Engineering Department of the DFCCIL-JAIPUR or in the case of a partnership firm or company incorporated under the Indian Company Law should a partner or a relative of the partner be employed in Gazetted capacity in Engineering Department of DFCCIL-JAIPUR, the authority inviting tenders shall be informed of the fact at the time of submission of tenders, failing which the tender is liable to be rejected, or if such fact subsequently comes to light the contract may be rescinded.
- 2.4** Tenderer should specify the names of vendors from whom he intend to procure Raw Material / Component used in his offered product.
- 2.5** Firms, who are traders, are required to indicate name & address of manufacturer works and submit the authorization letter from their manufacturer on their letterhead along with the tender in the Performa as in Annexure-5. The materials supplied by the traders will be inspected at their Manufacturer premises by the inspecting agency before supply.
- 2.6** If a tenderers is not registered with DFCCIL/Railway or is not an approved source for the tendered item with DFCCIL / Railways production units/ CORE/ RDSO, he shall provide a satisfactory evidence acceptable to the Purchaser to show that: -
- (a) He is an established manufacturer, who regularly manufactures the items offered and has adequate technical knowledge and practical experience;
 - (b) He has adequate financial stability and status to meet the obligations under the contract for which he is required to submit a report from a recognized bank or a financial institution and last three years financial balance sheet / profit & loss statement.
 - (c) He has adequate plant and manufacturing capacity to manufacture the items offered and supply within the delivery schedule offered by him;
 - (d) He has established quality control system and organization to ensure that there is adequate quality control at all stages of the manufacturing process.
- 2.6.1** For purpose of para 2.1, the tenderer should additionally submit: -
- a) A performance statement as in Annexure - 2, giving a list of major supplies effected in the recent past, of the items offered by him, giving details of the purchaser's name and address, contract Number and date, quantity supplied and consignee's certificate/receipt note/Inspection note in support of having executed the contract satisfactorily. While doing so the tenderer should submit self attested Xerox copy of such documents i.e. Purchase order, Inspection Certificate and Receipt Note etc.
 - b) A statement indicating details of equipment possessed and skilled manpower employed and quality control measure adopted etc as in Annexure 3.

2.7 If the tenderer is registered with NSIC he must enclose a photocopy of valid NSIC certificate showing monetary limit and the items for which registered. In case the tenderer is approved by RDSO/Production Units / CORE for the quoted item, a Photostat copy of the approval must be furnished with the offer. No back reference is likely to be made in this regard and responsibility will lie with firm, if firm is considered unapproved.

2.8 For items reserved for procurement from approved sources:

2.8.1 In case item is reserved to be procured from RDSO/Production Units / CORE approved sources, then Categorization of Vendors shall be as under: For the purpose of these instructions, the vendors shall be categorized into following two categories.

2.8.1.1 Developmental Vendors: - Such vendors shall include vendors found by RDSO as capable to develop the item under consideration. Erstwhile Part-II sources of RDSO (as on 31.12.2016, but not yet approved by RDSO), shall also be considered as developmental vendors, till they complete the pre-defined requirement as to be qualified as approved source. Such vendors shall be listed as developmental vendors by RDSO in RDSO vendor directory.

2.8.1.1.1 Approved vendors: Sources categorized as approved vendors by RDSO.

2.8.2 Ordering on the vendors Assessed/Developed/Approved by RDSO.

2.8.2.1 Status to be taken as on tender opening date: The status of the vendor (as approved or developmental vendor) shall be reckoned as on the date of tender opening and not thereafter. However, cases of downgrading/removal/suspension/banning etc. after opening of tender shall be taken into account while considering the offers.

2.8.2.2 Orders on developmental vendors shall be developmental order and treated as such, specifically, with regard to applicability of liquidated damages for delayed supplies and levy of general damages.

2.8.3 Quantity Allocation

- a) Developmental Vendors shall be eligible for developmental order of 20% of NPQ in regular tenders. Total quantity to be ordered on developmental sources shall be limited up to 20% of NPQ in regular tenders.
- b) Approved vendors shall be eligible for bulk order, as per predefined tender conditions. Where there are not more than three Indian Suppliers categorized as Approved vendor for a particular item, developmental vendors can be considered for placement of bulk order without any quantity restrictions. However, while considering such vendors, factors including past performance, capacity, delivery requirements, quantity under procurement

2.8.4 Essential Qualifying Criteria

A. For Placement of Regular Order:

- i. The tenderer should have the experience of **any work involving supply of P. Way material from RDSO approved source (Note: The material shall also be from RDSO approved source)** during the last 7-years (ending last day of the month previous to the one in which tenders are invited).
- ii. The tenderer should have supplied P. way material from RDSO approved source for the quantity not less than 50% of the tendered quantity of P way items, during the last five-year period (ending last day of the month previous to the one in which tenders are invited) to passenger traffic/mixed traffic carrying railway/metro system, in operation.

- B. The Supplier should have positive net worth. This will be judged from the audited Balance Sheet of the last financial year ending on a date not prior to 18 months from the date of submission of the tender.
- C. The Supplier should submit performance certificates in reference to above issued by respective railway system for having successfully completed similar works in the last 7 years.

3.0 EARNEST MONEY

- 3.1 The Earnest Money Deposit (E.M.D.) shall be taken from all tenderers against advertised tenders subject to exemptions as detailed in condition No. 11 of Important terms and conditions of E-tender SOR i.e. Section -C.
- 3.2 The amount of E.M.D. shall be as specified in condition No. 11 of important terms and conditions of E-tender SOR i.e. Section -C.
- 3.3 If a tenderer does not furnish the earnest money, he should clearly indicate the category under which the firm is exempted and should submit the documentary evidence for the same. Failure to do so will be taken as unwillingness on his part to deposit the earnest money and such offers are liable to be ignored.
- 3.4 The earnest money will be deposited only via the online system through payment gateway facility provided on the website of IREPS.
- 3.5 No interest shall be payable on the Earnest Money deposits.
- 3.6 The purchaser reserves the right to forfeit the earnest money deposit; (a) If the tenderer withdraws or revise the offer within validity of offer, (b) if the tenderer fails to deposit security money in terms of item 2 of special condition of contract.

4.0 TIME SCHEDULE

- 4.1 Tenderers should invariably quote firm delivery period as stipulated in important terms and conditions in Electronic Tender SOR. Any offer with longer delivery period or not agreeing with the delivery schedule specified in the tender will be summarily rejected. Thus, while quoting the DP, this aspect may be kept in view by the tenderer.
- 4.2 In the case of "ex-stock" offers, the dispatch of stores is to be effected within 7 days of the receipt of order. However, wherever the stores are subject to inspection by RITES/RDSO etc. before dispatch, extra time of 3 weeks will be allowed to cover time in inspection.
- 4.3 In case of delivery by rail, the date on which stores are placed on after inspection (i.e. RR/PWB date) will be the date of delivery. In case of local delivery/ outstation dispatches sent by lorry, the date on which materials are actually received/ delivered to consignee will be taken as date of delivery. In all cases, clause 0600 of the IRS Conditions of Contract will have the over-riding effect.

- 4.4** The tenderers should quote the delivery period / delivery schedule carefully, because the time and date for the delivery of stores shall be the essence of the contract and delivery must be completed not later than the date / period so specified. The attention of the tenderers is invited to clauses 0700, 0701 and 0702 of the IRS Conditions of Contract, which shall govern the contract.
- 4.5** Contracts with staggered Delivery period: In case of failure on the part of supplier to arrange supplies as per the delivery schedule/installments fixed in advance, save force majeure conditions or delays attributable to Purchaser, the Purchaser reserves the right to levy Liquidated Damages which shall be levied as per Para 702 (a) of IRS Condition of Contract for the delayed quantity which have remained unsupplied for that period.

5.0 DELIVERY TERMS

- 5.1** The purchaser will not pay separately for transit insurance and supplier will be responsible till the entire stores contracted for are received by the ultimate consignee in good condition at destination.
- 5.2** In cases of delays of contractual delivery full LD will be levied as per IRS conditions of contract and being a contractual provision no request for LD waiver will be considered, notwithstanding any past instances of such waiver or levy of token LD.
- 5.3** DFCCIL should recover from contractor as agreed liquidated damages and not by way of penalty, a sum equivalent to ½% of the price of any stores including element of taxes, duties, freight etc., which the contractor has failed to deliver within the period fixed for delivery in the contract or as extended for per week or part of a week during which the delivery of such stores may be in arrears where delivery thereof is accepted after expiry of the aforesaid period, subject to maximum of 10% of value of the delayed supplies .”
- 5.4 PACKING CONDITIONS:** - Material should be provided with standard packing, which can withstand transit damage, handling and proper storage.

6.0 SUBMISSION OF E-BIDS

- 6.1** The tenderers should submit their E-Bids on the Electronic Tender on the IREPS site. The tenderer's digital signatures on the E-tender form shall be considered as their confirmation that they have read and accepted all terms & conditions as laid down in the Electronic Tender Documents referred in Para 2 of the instructions to tenderers for E-tendering i.e. Section-A as well as Electronic Tender schedule of requirements i.e. Section-C., consisting of techno- commercial offer form (including special conditions attached to E-tender) and financial offer form, unless specific deviation is quoted in the techno- commercial offer form.
- 6.2** There is Check List for Tenderers (Annexure-9) for the information and guidance of Tenderers.
- 6.3 Guarantee/Warranty:** Warranty/Guarantee clauses as IRS Conditions of Contract or as specified in tender form are applicable. The contractor should guarantee that the said goods/ stores/ articles would continue to conform to the description and quality as aforesaid, for a

period of 30 months after their delivery or 24 months from the date of placement in service whichever will be sooner, or as specified In the technical specifications, whichever is higher and this warranty shall survive notwithstanding the fact that the goods/stores/articles may have been inspected, accepted and payment thereof made by the purchaser.

6.4 The individuals signing the tender or any other documents connected there- with should clearly indicate his full name and designation, specify whether he is signing and scan the documents attached with their e-bids: -

- a) As sole proprietor of the concern or as attorney of the sole proprietor;
- b) As partner(s) of the firm.
- c) As Director, Manager or Secretary in case of Limited Company duly authorized by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.
- d) An authenticated copy of the document, which authorizes the signatory to commit on behalf of the tender, shall accompany the offer.

6.5 The offers should strictly conform to the tendered description and drawing/ Specification as given in schedule of requirements and no samples need be submitted unless so mentioned in tender form.

6.5.1 When samples are required, the same must strictly conform to description, drawing / specification as mentioned. Samples submitted will be considered as supplemental and not in supersession to any specification mentioned and such samples will only be considered in relation to those points / parameters which are not defined in the specification. The onus of drawing attention to any particular item in which a tenderer wishes his samples to supersede or vary specification lies on tenderer. In the absence of specific acceptance in writing to any variation, the purchaser shall be entitled to reject any claim for acceptance of supply embodying such variation. When samples are called for they should be marked, sealed and labeled so as to correspond with the item of the tender. They should be sent "Freight Paid" to the same address as per the tender and arrangements should be made to see that they arrive by the opening time and date of the tender, otherwise, offers are liable to be rejected.

6.5.2 Samples submitted by the tenderers which are of the value of Rs. 100/- or less will not be returned to them. For samples valuing above Rs. 100/- the tenderer must state on the tender form if he requires the return of unaccepted samples failing which they will be retained by the purchaser. Unaccepted sample will be returned to firms on application who may arrange collection of the same from PCE Office. Firms on whom orders are placed should refrain from sending advance samples unless called for and should make supplies strictly as per terms & conditions of Purchase Order placed on them.

6.6 The tenderer shall keep its offer valid for minimum 45 days from the date of opening of tender. Any offer submitted with lesser validity period than specified in the tender, will be summarily rejected.

6.7 All tenderers are advised to indicate their Banker's name and account number in their offers. This information is needed for the purpose of payment against the contract through cheques, being issued with indication of bank account number. etc. to safeguard against misappropriation of cheque. For payment through NEFT, tenderers are required to

submit the following along with their offer.

- (i) Tender to give consent in a mandate form for receipt of payment through NEFT / RTGS & must submit the Annexure-8.
- (ii) Tenderer to provide the detail of Bank account in line with RBI guidelines for the same these details will include Bank name, branch name and address, account type, Bank account No. and Bank and branch code as appearing on MICR cheque issued by Bank.
- (iii) Tenderer to attach certificate from their bank. Certifying the correctness of all above mentioned information (as mention in para ii above).
- (iv) In case of non-payment through NEFT/RTGS or where NEFT/RTGS facility is not available payment will be released through cheque.

6.8 Price Variation Clause: Tenderer should quote firm price. No PVC shall be accepted unless otherwise mentioned in the tender document for the items. For items where PVC clause is mentioned in the E-tender documents, tenderer should quote strictly as per price indices according to the specified price variation formula. Any offer with different PVC formula or quoting different base month or linkage with different indices or fixed rate etc. as compared to the PVC formula provided in the tender, will be summarily rejected.

7. SECURITY DEPOSIT

- 7.1 Tenderers shall deposit SD by furnishing a demand draft or fixed deposit receipt (Auto renewal and duly discharged) issued by a scheduled bank, approved by RBI, drawn in favour of CGM, DFCCIL, Jaipur (Rajasthan)- 302020 as per details given below as security for satisfactory fulfillment of the contract. The Security deposit can also be made in the shape of online/offline Guarantee Bond executed by a Scheduled bank as per Annexure 6.
- 7.2 The security deposit required to be deposited by the tenderers shall be as detailed in important terms and condition No. 12 of Section- C.
- 7.3 Firms who are not willing to submit security deposit should clearly mention this deviation in their offer itself otherwise it will be treated as agreement on firm's part to DFCCI terms and conditions in this regard. Offers of firms who are not willing to submit the security deposit are liable to be ignored, until unless specifically exempted as per extant rules.
- 7.4 When security is deposited in cash, the money receipt should be sent to the Chief General Manager, DFCCIL-JAIPUR (Rajasthan) -302020.
- 7.5 Registered firms shall, however, furnish security deposit for orders beyond the monetary limit of registration and also for items for which they are not registered.
- 7.6 The refund of security deposit becomes due when the contract is satisfactorily completed in accordance with terms & conditions of the contract. Purchaser's decision in this regard shall be final and binding on the supplier. No interest shall be payable on the Security Deposit.

8.0 STATUTORY VARIATION

Statutory Variation in taxes and duties, or fresh imposition of taxes and duties by State/ Central Governments in respect of the items stipulated in the contract (and not the raw materials thereof), within the original delivery period stipulated in the contract, or last unconditionally extended delivery period shall be to DFCCIL's account. Only such variation shall be admissible which takes place after the submission of bid. No claim on account of statutory variation in respect of existing tax/duty will be accepted unless the tenderer has clearly indicated in his offer the rate of tax/duty considered in his quoted rate. No claim on account of statutory variation shall be admissible on account of misclassification by the supplier/ contractor.

9.0 ADVICE OF DESPATCH OF STORES

- 9.1** The supplier should ensure that DFCCIL receipts / PWB under which the material is booked to a DFCCIL consignee are prepared in the favour of ' consignee ' and not ' self-failing which they will be required to take the delivery themselves and deliver the consignment to the consignee. When suppliers submit the original RR/PWB along with other documents to paying authority for claiming advance payment, a photocopy of RR/PWB should be sent simultaneously to consignee.
- 9.2** All dispatch documents i.e. RR/PWB, Challan, Inspection certificate etc. should be sent to the consignee and copies of advice of dispatch must also be sent to the Chief General Manager, DFCCIL-Jaipur (Rajasthan) - 302020.
- 9.3** The contractor shall submit monthly report concerning the progress of the contract and / or supply of stores to the Purchaser and Consignee. The submission and acceptance of such reports shall not prejudice the rights of the purchaser in any manner.

10.0 PAYMENT TERMS:

The standard payment terms subject to recoveries, if any, under the liquidated damages clause in the IRS Conditions of Contract will be as under : -

- 10.1** Payment for the Stores or each consignment thereof will be made to the contractor on submission of bill accompanied by the prescribed documents mentioned in the contract.
- 10.2** 100% payment shall be made after receipt, inspection and acceptance of material by the consignee at destination i.e IMD New Srimadhapur (DFCC Station) for delivery of material.
- 10.3** Suppliers are requested in their own interest to observe the following instructions to avoid delay in payment of their bills for materials supplied for stock purposes and dispatched to the Depots mentioned in contract:
 - (i) Receipt note sent to the supplier in token of receipt of the material should be attached with the bill to be prepared in ink on prescribed form (detailed in para 10.9 below) and submitted in duplicate to the CGM-DFCCIL office, C-16, Khushi Vihar, Patrakar Colony. Mansarovar, Jaipur (Rajasthan) - 302020.

- (ii) Where the condition of advance payment on proof of dispatch is accepted and specified in the Purchase Order the suppliers will submit advance payment bill (in duplicate) supported with challan, inspection certificate, proof of dispatch/delivery etc. as per terms of the contract to the CGM- DFCCIL office, Jaipur (Rajasthan), endorsing a copy of the forwarding letter to the Chief General Manager as well as to the Consignee. The bills for balance payment should be submitted in the manner as indicated at (i) above for payment.

10.4 For materials supplied against orders placed for direct dispatch to the consignee on the DFCCIL-JAIPUR on non - stock basis i.e. other than those cases mentioned in clause 10.3 above, the supplying firm will prepare their 100% payment bills in duplicate, in ink on prescribed forms and submit the same as under :-

- (i) One copy of the bill marked, "ORIGINAL" with all dispatch documents as per terms of contract directly to the consignee.
- (ii) Another copy of bill marked "DUPLICATE NOT FOR PAYMENT" to the Controlling Officer of the consignee mentioned in the Supply Order.
- (iii) Where the condition of advance payment on proof of dispatch is accepted and specified in the Direct Dispatch order, the suppliers will submit advance payment bill (in duplicate) along with the documents as per para 10.3 (ii) above to the Accounts Officer of the consignee indicated in contract. ORIGINAL copy of the balance payment bill should be sent to the consignee and "DUPLICATE NOT FOR P AYMENT" copy to Controlling Officer of the consignee as specified in such Supply Order.

10.5 The Supplier is also required to furnish the following certificate on their bill for advance payment.

“We have personally examined and verified and do hereby certify that stores in respect of which payment is being claimed have been actually dispatched under RR/PWB no..... dt.....and further that these goods are the exact materials as indicated in challan no.....dt..... and covered by inspection certificate no..... dt..... We also certify that the above referred challan, RR/PWB and inspection certificate have been sent to consignee by Regd. Post/Speed Post on..... We shall hold ourselves personally responsible for correctness of this statement.”

10.6 The bill for payment should also be accompanied certificate/ declaration of input tax credit.

10.7 The firm should submit their bills only for the supplies made by them during the scheduled delivery period or as extended from time to time. For supplies made after expiry of scheduled delivery period, firms should first obtain necessary extension of delivery period from the competent authority before submission of their bills.

10.8 In case the bill is submitted to CGM-DFCCIL office, supported by amendment to purchase order extending delivery period reserving DFCCIL-JAIPUR right to impose liquidated damages, the payment of bill would be released deducting full liquidated damages (LD) @ 1/2% of the value of delayed stores for delay of every week or part thereof, however upper limit of recovery of in supply contract will be 10% (Ten Percent of value of delayed supplies) irrespective of delays, unless otherwise provided specifically in the contract.

10.9 Following Points may also be observed by the suppliers while submitting the bills for payment:-

- (a) Consignee's name and Order reference should be given on the bill as well as in all correspondence in connection therewith for facilitation of connecting the relevant papers and arranging early payment.
- (b) The firms are advised that bills for payment should only be submitted for the amounts permitted on the Purchase Orders and in case further amounts are claimed, an amendment should be obtained from the Chief General Manager, C-16, Khushi Vihar, Patrakar Colony, Mansarovar, Jaipur- 302020 before bills are submitted.
- (c) All Bills should be submitted in duplicate, marked ' Original' and 'Duplicate'.
- (d) The nomenclature of the material supplied shown in the bills should be strictly in accordance with description given in the Purchase Order.
- (e) The Bills should be signed and pre - receipted with revenue stamp. All corrections should be attested. Fluid should not be used on Bill at all.
- (f) Rate and Quantity should be mentioned both in figures and words.
- (g) Status/category of Bill should be mentioned i.e. whether 100% / PVC etc.
- (h) All Columns of Bill should be properly filled in i.e. Vendor Code, Bank Account No. and Branch, Purchase Order No. / Contract No., Date, PL No. etc.
- (i) Wherever PVC is applicable, basis of PVC may be given, with relevant documents.
- (k) Copy of Amendment letter issued by Engineering/ Stores Department, if any be enclosed.
- (l) Transport Receipt/Challan / E-Way bill for freight charges should be enclosed along with the bills.
- (m) The following documents should also be enclosed along with the bills: -
 - (i) Receipt Delivery Challan Duly signed and stamped by DFCCIL Official/Clear DFCCIL Receipt.
 - (ii) Original Inspection Certificate.
 - (iii) Declaration of Input Tax Credits
 - (iv) Tax Invoice (original - for buyer) wherever applicable.
 - (v) E-Way bill
- (n) All other relevant documents as per Contract provisions.

11.0 ACCEPTANCE OF TENDER

The purchaser may accept a tender for a part or whole of the quantity offered, reject any tender without assigning any reason and may not accept the lowest or all the tenders.

12.0 ALTERATION OF SPECIFICATIONS, PATTERNS AND DRAWINGS

The purchaser reserves the right to alter from time to time, the specifications, patterns and drawings and from the date that may be specified by him the articles shall be, in accordance with the specifications, patterns and drawings, so altered. In the event of any such alteration involving an increase or decrease in the cost or in the period required for production, a revision of the contract price and of the time fixed for delivery shall be made in relation to the articles the subject of the alterations. The decision of the purchaser on the question, whether the alteration involves an increase or decrease in the cost or in the period required for production shall be final and conclusive.

13.0 RISK PURCHASE: Please note risk purchase period shall be 9 months instead of 6 months as provided in clause 0702(B) of IRS terms & conditions of contract. The above Risk purchase clause shall not be applicable where ever security deposit has been taken from supplier and in case of default by such supplier, the security deposit shall be forfeited, the quantities unsupplied shall be procured independently without risk and cost of the original firm/supplier. However, in such case adverse performance of such firm may be recorded & intimated to the source approving agency & also taken in to account in future tender cases on merit & in other case where tenders not asked to deposit Security Deposit, in case of default on the part of the firm, action will be initiated as per IRS conditions.

14.0 Deleted

15.0 Deleted

16.0 Splitting of tendered quantity:

16.1 Case of no prior decision to split the order-

16.1.1 Normally full order should be placed on L-1 firm. However, if after due processing, it is discovered that the quantity to be ordered is more than what L-1 alone is capable of supplying and there was no prior decision to split the quantities, then this aspect should be recorded in TC minutes/ acceptance in direct acceptance cases. The quantity being finally ordered will be distributed among the other bidders in a manner that will be fair, transparent and equitable. The manner of splitting will take specific note of the following parameters

- (i) Past Performance of bidders
- (ii) Capacity of bidders
- (iii) Delivery requirements in the tender
- (iv) Quantity under procurement
- (v) Vital / safety nature of the items

16.1.2 In the absence of any differentiation on the above parameters, the manner of splitting will be based on the stipulation given in para 16.2.2 below.

16.2 Case of pre-decided split ordering-

16.2.1 DFCCIL may decide in advance to have more than one source of supply on account of delivery requirement in tender, past performance and capability of bidders, quantity under procurement and vital/safety nature of items.

16.2.2 Following provisions { 16.2.2(A) to 16.4} shall be applicable in all such cases of pre-decided split ordering: -

- (A) The purchaser reserves the right to distribute the procurable quantity on one or more than one of the eligible tenderers. Zone of consideration of such eligible tenderers will be the right of the Purchaser. The zone of consideration will be a dynamic mix of inter-se position of firms, supply performance of the firms, quantity being procured, criticality of and lead time of supply of the item, number of established suppliers, their capacity etc.
- (B) Whenever such splitting of the procurable quantity is made, the quantity distribution will depend (in an inverse manner) upon the differential of rates quoted by the tenderers (other aspects i.e. adequate capacity- cum-capability, satisfactory past performance of the tenderers, outstanding order load for the DFCCIL-JAIPUR making the procurement, quoted delivery schedule vis-à-vis the delivery schedule incorporated in the tender enquiry etc. being same/ similar) in the manner detailed in the table below:

Price differential between L1 and L2	Quantity distribution ratio between L1 and L2
Upto 3%	60 : 40
More than 3% and upto 5%	65 : 35
More than 5%	At least 65% on the L1 tenderer. For the quantity to be ordered on the L-2 tenderer, TC/TAA shall decide

In the phrase ‘differential rates quoted by the tenderers’, the quoted rate would mean

- (i) When no price negotiation has been called for, the original rates as obtained at the time of tender opening. However, the rate of the highest eligible tenderer within the zone of consideration has to be per se reasonable.
- (ii) When price negotiation has been called for, the reference L1 rate for assessment of ratio will be the original rate of L1 firm (suitable for bulk quantity)- say firm “A”- as obtained at the time of tender opening.
- (iii) If splitting of quantity is required to be done by ordering on tenderers higher than the L2 tenderer, then the quantity distribution proportion amongst the tenderers will be decided by transparent/logical/equity based extrapolation of the model as indicated in the above para.
- 16.2.3** In cases of pre-decided splitting, if the purchaser decides not to split the ordered quantity, the reason for the same should be recorded in TC minutes/acceptance in direct acceptance cases.

(Please see clause 1.4 of Section -B)

PROFORMA FOR STATEMENT OF DEVIATIONS

(1) The following are the particulars of deviations from the requirements of the tender specifications:-

CLAUSE (Including - justification)	DEVIATION	REMARKS
--	------------------	----------------

(2) The following are the particulars of deviations from the requirements of the Instructions to Tenderers, Indian Railway Standard Conditions of Contract and Special Conditions of Contract.

CLAUSE (Including - justification)	DEVIATION	REMARKS
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Signature and seal of The manufacturer / Tenderers

(Please see clause 2.1.1(a) of Section -C)

PROFORMA FOR PERFORMANCE STATEMENT
(For a period of last 3 years)

Tender No.....Date of opening

Name of tenderer.....

Order place by (Full address purchaser)	Purchase Order No. & date	Unit Price, ED, ST, GST & FOR terms	Date of completion of Delivery as per contract	Actual Date of Completion of Delivery	Reasons for late delivery, if any

Signature and Seal of Tenderer

ANNEXURE - 3

(Please see clause 2.1.1(b) of Section “C”)

PROFORMA FOR EQUIPMENT AND QUALITY CONTROL

Tender No. Date of Opening.....TimeHours

Name of the Firm.....

Note : All details required only for the items tendered :-

1. Name & full address of the firm.
2. Telephone & FAX No. Office/Factory/Works.
3. Telegraphic and E mail address.
4. Location of the manufacturing factory.
5. Details of Industrial Licence, wherever required as per statutory regulations.
6. Details of plant & machinery erected and functioning in each Deptt.(Monographs& Description pamphlets be supplied if available.)
7. Details of the process of manufacture in the factory in brief.
8. Details & stocks of raw material held.
9. Production capacity of item(s) quoted for, with the existing plant & machinery.
 - 9.1 Normal
 - 9.2 Maximum
10. Details of arrangement for quality control of products such as laboratory testing Equipment etc.
11. Details of staff.
 - 11.1 Details of technical supervisory staff-in-charge of production & quality control
 - 11.2 Skilled labour employed.
 - 11.3 Unskilled labour employed.
 - 11.4 Maximum No. of workers (skilled & unskilled) employed on any day during the 18 months preceding the date of application
12. Whether stores are tested to any standard specification, if so, copies of original test Certificates should be submitted in triplicate.
13. Are you registered with the Directorate General of Supplies & Disposals, New Delhi. If so, furnish full particulars of registration; period of currency etc.
14. Are you a Small Scale Unit, registered with the National Small Industries Corporation Ltd., New Delhi. If so, furnish full particulars of registration, currency period etc.
15. Are you registered with the RDSO for the tendered items. If so, furnish full particulars of registration; address of works etc.

Signature and seal of the
Manufacturer / Tenderers

ANNEXURE- 4

DELETED

ANNEXURE - 5

(Please see clause 2.6 of Section -B)

PROFORMA FOR AUTHORITY FROM MANUFACTURERS

No.....Dated.....

To

**The PRESIDENT OF INDIA,
Acting through the Chief General
Manager,DFCCIL, JAIPUR (Rajasthan) -
302020**

Dear Sir,

Subject : CGM/DFCCIL/Jaipur's Tender No.....

We.....an
established and reputed manufacturer ofhaving factories
atdo hereby Authorize M/s

.....
(Name and address of Agents) to represent us, to bid, negotiate and conclude the
contract on our behalf with you against Tender
No.....

No company/firm or individual other than
M/s.....are authorized to represent us in regard to
this
business against this specific tender.

Yours faithfully,

(NAME)

for & on behalf of M/s.....
(Name of Manufacturers)

Note : This letter of authority should be on the Letter -Head of the manufacturing concern
and should be signed by a person competent and having the power of attorney to bind
the manufacturer.

ANNEXURE - 6

(Please see clause 7.1 of Section B)

PROFORMA OF BANK GUARANTEE FOR CONTRACT PERFORMANCE GUARANTEE BOND

1. In Consideration of the president of India(herein after called “the Government”) having agreed to exempt _____(hereinafter called “the said Contractor(s) from the demand, under the terms and conditions of an Agreement dated _____made between _____and _____for _____(hereinafter called “the said Agreement”), of security deposit for the due fulfillment by the said contractor (s) of the terms and conditions contained in the said Agreement, on production of a bank Guarantee for Rs. _____ (Rupees _____ only) we, _____(hereinafter referred (indicate the name of bank) to as the bank) at the request of _____(contractor(s) do hereby undertake to pay to the Government an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the Government by reason of any breach by the said Contractor (s) of any of the terms or conditions contained in the said Agreement.

2. We _____do here by undertake to pay the amounts due and (indicate the name of bank) payable under this guarantee without any demur, merely on a demand from the Government stating that the amount/ claimed is due by way of loss or damage caused to or would be caused to or suffered by the Government by reason of breach by the said contractor(s) of any of the terms or conditions contained in the said Agreement or by reason of the contractor(s) 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. _____.

3. We under-take to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(S)/supplier(s) in any suite or proceeding pending before any court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor (s)/supplier

(s) shall have no claim against us for making such payment.

4. We _____further agree that the guarantee herein contained (Indicate the name of bank) shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till

_____Office/Department) Ministry of _____certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this

guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.

5. We _____ further agree with the government that the (Indicate the name of bank)

Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the "said contractor (s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor (s) or for any forbearance, act or omission on the part of the Government or any indulgence by the Government to the said Contractor (s) or any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to this change in the constitution of the Bank or the Contractor (s) Supplier (s).

7. We _____
_____ lastly undertakes not to revoke this guarantee (indicate the name of bank) during its currency except with the previous consent of the Government in writing.

8. It is certified that above BG is executed on adequate value of stamp duty as per stamp act of the state.

Dated the _ day of ____ 20
For _____
(indicate the name of bank)

PROFORMA FOR WARRANTY GUARANTEE BOND

To:

The President of India
Acting through
The CGM,
DFCCIL, Jaipur
(Rajasthan) -302020.

Sub: Guarantee No. _____ for _____ (Amount) Covering Machine(s)
Serial No. _____ supplied to _____ (Consignee/s) _____.
Ref: _____ Contract No. _____ dated _____ placed on M/s.

1. WHEREAS M/s. _____ one of our constituents, hereinafter called the "Sellers" have agreed to sell to you (hereinafter referred to as the "Government") _____ Nos. of _____ (give description) as per contract No. _____ dated _____ (hereinafter called "the said contract").

2. AND WHEREAS according to the terms of said contract, it has been stipulated that payment of 10 per cent of the value of the stores would be made, provided that the Sellers furnish to the Purchaser a Bank Guarantee from a recognized Bank, acceptable to the Purchaser for 10 per cent of the value of the said contract, valid for a period covering in full the Guarantee Period as per the Warranty clause of the said conditions of the contract, being the conditions attached to and forming part of the said contract.

3. AND WHEREAS the Sellers have approached us to give the said Bank Guarantee on their behalf in your favour for an amount representing 10 per cent of the value of the contract which you have agreed to accept.

4. That in consideration of the promises and at the request, of the said Sellers, we hereby irrevocably undertake and guarantee to pay to the Government of India or at such other place as may be determined by you forthwith on demand and without any demur, any sum up to a maximum amount of _____ (Rs. _____) representing 10 per cent of the value of the Stores dispatched under the said contract in case the Sellers make default in paying the said sum or make any default in the performance observance or discharge of the guarantee contained in the said contract.

5. We agree that the decision of the Government whether any default has occurred or as been committed by the Sellers in the performance, observance or discharge of the guarantee aforesaid shall be, conclusive and binding on us.

6. Government shall be at liberty, from time-to-time, to grant or allow extension of time or give other indulgence to the said Sellers or to modify the terms and conditions of the contract with the said Sellers without affecting or impairing this guarantee or our liability hereunder.

7. We undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the Sellers in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge to our liability for payment there under and the Sellers shall have no claim against us for making such payment.

8. This Bank guarantee comes in to force when the balance ten percent of the value of the stores shipped per Vessel _____ vide Bill of Lading No. _____

_____ dated _____ or R/ R No. _____ dated _____

_____ (in the case of indigenous contracts) under the said contract, has been paid and will remain in full force and effect up to _____ i.e. for _____

_____ months counted from the date of placing the stores in services, and shall continue to be enforceable for further six

months i.e. up to _____ (date), hereinafter called the said date.

9. This guarantee will not be discharged due to the change in the constitution of the Bank or the Sellers.

10. That no claim under this guarantee shall be entertained by us unless the same has been preferred by the Government within the said date.

11. It is certified that above BG is executed on adequate value of stamp duty as per stamp act of the state.

Date _____

Signature _____

Place _____

Printed Name _____

Witness _____

Read and Accepted. Signature of Tenderer _____

(Designation)

(Bank's common Seal)

**REAL TIME GROSS SETTLEMENT/NATIONAL ELECTRONIC FUNDS
TRANSFER (NEFT)MANDATE FORM**

From: M/s.

Date: _____

To:

Chief General Manager

DFCCIL, Jaipur

(Rajasthan) - 302020

Sub : RTGS/NEFT payments.

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

Name of City

Bank Code No.

Branch Code

No. Bank's

Name Branch

Address

Branch Telephone / Fax

No. Supplier's Account

No.

Type of Account

IFSC code for

NEFT IFSC code

for RTGS

Supplier's name as per Account

Telephone no. of supplier

Supplier's E-mail ID

Confirmed by Bank

Signature of supplier with
Stamp and address

Enclose a copy of crossed cheque

CHECK LIST FOR TENDERERS

1. Have you quoted in the prescribed Performa in SOR Yes/No.
2. Have you submitted earnest money (Para 3 of Section -B) Yes/No.
3. Have you furnished the performance statement (Para 2.1.1(a) of Section -C and Annexure 2)
Yes/No
4. Have you submitted the Banker's report (Para 2.1.(b) of Section -C) Yes/No.
5. Have you furnished the details of equipment / quality control (para 2.1.1(b) of Section-C and Annexure-3)
Yes/No.
7. Have you furnished the statement of deviations (preferably nil)(Para 1.4 of Section-B) Yes/No.
8. Have you quoted price on the basis of free delivery to Destination, indicating break up (Para 6.1 of Section -B.) Yes/No.
9. Have you quoted delivery period correctly and precisely. Yes/No.
10. Have you kept your offer valid for 120 days Yes/No
11. Have you submitted authenticated copy of the document authorizing of the signatory to submit offer and commit on behalf of tenderers.
Yes /No

**Signature & seal of
Manufacturer /
Tenderer**

SECTION-C

Important Terms & conditions of Electronic Tender & Schedule of Requirement

Important Terms & conditions of Electronic Tender & Schedule of Requirement

On behalf of the President of India, the Chief General Manager, DFCCIL, Jaipur (Rajasthan)- 302020 (hereinafter referred to as the Purchaser), invites Electronic tenders for the supply as set forth in the "Electronic Tender Schedule of Requirements for the respective E-tenders on IREPS site". You are advised to refer to IREPS site for further details of Electronic Tender Schedule of Requirements.

For CGM/DFCCIL/JAIPUR

Important Terms & Conditions of Electronic Tender & SOR:

- NB: i) Tenderers are advised to go through all the conditions mentioned at S.No 1 to 30 below, all IRS conditions of Contract, conditions specified in instructions for submitting E- bids on IREPS site (Section-A), instructions to tenderers and special condition of contract applicable for E-tender (Section -B), and Special conditions of tender & technical specification of tendered item, carefully before submitting their offer.
- ii) In case if there is any conflict between the conditions mentioned in the Important Terms & Conditions of Electronic Tender SOR as below and conditions as given in this tender i.e. Section-A & B, then the conditions as given in Important Terms & Conditions of Electronic Tender SOR i.e. Section-C will prevail upon.

1.0 SPECIAL CONDITION ONLY FOR TENDERS WITH PRICE VARIATION CLAUSE:

Deleted

2.0 ELIGIBILITY CRITERIA AND QUALIFYING REQUIREMENTS OF TENDERERS

2.1 If a tenderers is not registered with Railway/DFCCIL or is not an approved source for the tendered item with DFCCIL / Railways production units/ CORE/ RDSO, he shall provide a satisfactory evidence acceptable to the Purchaser to show that: -

- (a) he is an established manufacturer, who regularly manufactures the items offered and has adequate technical knowledge and practical experience;
- (b) He has adequate financial stability and status to meet the obligations under the contract for which he is required to submit a report from a recognized bank or a financial institution and last three years financial balance sheet / profit & loss statement.
- (c) he has adequate plant and manufacturing capacity to manufacture the items offered and supply within the delivery schedule offered by him;
- (d) He has established quality control system and organization to ensure that there is adequate quality control at all stages of the manufacturing process.

2.1.1 For purpose of para 2.1, the tenderer should additionally submit: -

- a. A performance statement as in Annexure - 2, giving a list of major supplies effected in the recent past, of the items offered by him, giving details of the purchaser's name and address, contract Number and date, quantity supplied and consignee's certificate/receipt

note/Inspection note in support of having executed the contract satisfactorily. While doing so the tenderer should submit self attested Xerox copy of such documents i.e. Purchase order, Inspection Certificate and Receipt Note etc.

- b. A statement indicating details of equipment possessed and skilled manpower employed and quality control measure adopted etc as in Annexure 3.

2.2 The tenderer shall clearly indicate whether he is registered with DFCCIL for the quoted item and if so he must quote the registration number along with monetary limit, if any. If the tenderer is registered with NSIC he must enclose a photocopy of valid NSIC certificate showing monetary limit and the items for which registered. In case the tenderer is approved by RDSO/Production Units / CORE for the quoted item, a Photostat copy of the approval must be furnished with the offer. No back reference is likely to be made in this regard and responsibility will lie with firm, if firm is considered unapproved.

2.3 For items reserved for procurement from approved sources:

2.3.1 In case item is reserved to be procured from RDSO/Production Units / CORE approved sources, then Categorization of Vendors shall be as under: For the purpose of these instructions, the vendors shall be categorized into following two categories.

2.3.1.1 **Developmental Vendors:** - Such vendors shall include vendors found by RDSO as capable to develop the item under consideration. Erstwhile Part-II sources of RDSO (as on 31.12.2016, but not yet approved by RDSO), shall also be considered as developmental vendors, till they complete the pre-defined requirement as to be qualified as approved source. Such vendors shall be listed as developmental vendors by RDSO in RDSO vendor directory.

2.3.1.2 **Approved vendors:** Sources categorized as approved vendors by RDSO.

2.3.2 Ordering on the vendors Assessed/Developed/Approved by RDSO.

2.3.2.2 Status to be taken as on tender opening date: The status of the vendor (as approved or developmental vendor) shall be reckoned as on the date of tender opening and not thereafter. However, cases of downgrading/removal/suspension/banning etc. after opening of tender, shall be taken into account while considering the offers.

2.3.2.3 Orders on developmental vendors shall be developmental order and treated as such, specifically, with regard to applicability of liquidated damages for delayed supplies and levy of general damages.

2.3.3 Quantity Allocation

a) Developmental Vendors shall be eligible for developmental order of 20% of NPQ in irregular tenders. Total quantity to be ordered on developmental sources shall be limited up to 20% of NPQ in regular tenders.

b) Approved vendors shall be eligible for bulk order, as per predefined tender conditions.

c) Where there are not more than three Indian Suppliers categorized as Approved vendor for a particular item, developmental vendors can be considered for placement of bulk order without any quantity restrictions. However, while considering such vendors, factors including past performance, capacity, delivery requirements, quantity under procurement, nature of item, outstanding order load etc. shall be considered in a transparent manner, subject to rates being reasonable. Quantity allocation among eligible vendors shall be based

on pre-decided tender criteria. Such orders shall be treated as bulk orders.

Indian supplier shall be as defined in Para 10(e) of Public Procurement (Preference to Make in India) Order, 2017, which is as follows: “A Supplier or bidder shall be considered to be from India if (i) the entity is incorporated in India or (ii) a majority of its shareholding or effective control of the entity is exercised from India, or (iii) more than 50% of the value of the item being supplied has been added in India”.

- 2.3.4 Whenever tender is floated with purchase restriction from sources approved by nominated authorities and there exists a suspected cartel situation by approved sources or the rates available from approved source/sources are adjudged unreasonably high, despite fair efforts as permissible, the purchaser reserves the right to place orders on firms outside the approved vendors list, without any restrictions.
- 2.3.5 All tenderer must submit attested photocopies of the P.O's, inspection certificates and receipt notes/certificates related to the maximum quantity of the material under procurement, successfully supplied by them in any single order placed on them over the preceding three years by any Zonal Railway/Railways Production Unit/DFCCIL along with existing workload and production capacity as on date of tender opening. Such tenderers are to note that non-submission of such documents shall be taken to as they not having such past performance and their offers shall be considered further as per extant rules and no back reference in this regard will be made to them.
- 2.3.6 RDSO shall continue to do prototype inspection of the items supplied by developmental vendors. The balance supplies executed by the developmental vendors after clearance of prototype by RDSO can be inspected by any agency as decided by the purchaser.

3 A Type of contract & Delivery Schedule:

- (i) The tenderer should note that as contract shall be entered into on severable contract basis only & therefore the PO will also be issued on severable contract basis with delivery of specific units of material shall be completed within each month or within specified period duly taking into account our delivery requirement as mentioned in Para 1 of Electronic Tender SOR as above. It shall not be on an entire contract basis, therefore the tenderer should take note of the same. **The delivery period shall be reckoned from the date of issue of Letter of Acceptance.**
- (ii) The tenderer / supplier should note that failure on part of supplier to complete supplies of each installment within specified period or within specified date as indicated in PO (which will be placed only on severable contract basis with separate delivery period for each installment), shall be treated as a breach of contract on part of supplier & in such situation Purchaser shall have all rights to take all necessary penal actions (for that installment quantity whose delivery period expired but supplies not made by the supplier) against the supplier and may cancel the contract for defaulted part by forfeiting SD commensurate to that lot.

OR

- 3 B **Penalty for Delays in Supplies during delivery period:** In case of failure on the part of supplier to arrange supplies as per the delivery schedule installments fixed in advance, save Force Majeure conditions or delays attributable to purchaser, the purchaser reserves the right to levy liquidated damages which shall be levied as per para 702 (a) of IRS conditions of contract for the delayed quantities, which have remained unsupplied for that period.

4. EVALUATION CRITERIA OF OFFERS/CRITERIA FOR INTER-SE RANKING OF OFFERS:

- (i) Tenderers may note that consideration of the offers will be done on the basis of consignee wise and item wise and for this purpose, the inter-se ranking of the offers for individual consignee would be worked out based on total unit rate (all-inclusive rate of one unit) for each consignees in case where there is more than one consignee for a particular tendered item (if more than one item is included in tender). It would not be on the basis of total value of all the consignees and for all items together.
- (ii) Tenderers are advised to refer to important note under Para 9 of Section-A i.e. instructions to tenderers for filling up of rates, taxes, duties, freight charges and other levies in the financial offer form.

Evaluation of offers shall be made on the basis of the comparative statement generated by the EPS system as mentioned in the important note in Para 9 of Section-A.

- (iii) The firm shall clearly indicate in their offer, the exact percentage of taxes that they shall be charging, which is applicable as per latest taxation laws/ regulation/ GST notification. The firms should also submit a scanned copy of documentary evidence along with their e-bid for claiming Taxes. In case, if any firm fails to quote the exact percentage of Tax as per latest taxation laws, then the system shall take nil value into accounting to calculate FOR/destination accordingly for the purpose of arriving at inter-se ranking of that offer.
- (iv) The prices quoted shall be firm, unless otherwise permitted to quote with a specified Price variation clause only. The tenderer shall indicate price on free delivery to destination basis, which shall include all state and central taxes and duty leviable and all charges for packing, cartage, loading forwarding, etc. In addition, a complete break-up showing ex-factory price, GST, taxes, handling & freight charges etc. shall also required to be given by the tenderer.
- (v) The tenders will be evaluated by the Purchaser on free delivery to destination basis, to ascertain the best and lowest acceptable tender, as specified in the specification and tender documents. In case of multi items or single item with multi consignee, the inter seranking of offers will be decided separately for the individual item and for each consignee.
- (vi) Claim for any tax or duty not stipulated in the quotation will not be admitted at any stage on any grounds whatsoever.
- (vii) The price should be quoted only in Indian Rupees. The offers submitted in other currencies shall not be considered.
- (viii) **Offer with discounts: -**
 - (a) Tenderer should quote clear offer with unconditional discounts, if any and the system shall evaluate the bid on FOR/destination basis and shall show up to the vendor before submitting e-bid.
 - (b) Conditional discounts attached to early payment and early receipt note shall not be considered and such offers shall be ignored.
 - (c) Conditional discount attached to quantity, if any is to be submitted as alternate offer and tenderer should submit multiple alternate offers in such cases.
 - (d) DFCCIL-JAIPUR may avail of the discounts linked to quantity if otherwise firm's offer is found to be suitable for placement of contract.

5. Increase or Decrease of Quantity (Option Clause): -

The purchaser shall be entitled to vary the order quantity up to +/- 25% anytime within the delivery period (including extended delivery period) on the same terms and conditions. The increase in quantity with respect to the tender quantity can be done even at the time of ordering and the tenderer shall be bound to accept the quantity so ordered on the basis of his original offer. The purchaser shall be entitled to exercise +/- 25% option clause in one or more than one installment as long as the total variation in quantity does not exceed the limit of 25% of ordered quantity.

- a. **“Reasonable Notice”** is only for the purpose of allowing the contractor suitable time to make necessary arrangements for the supplies and not for seeking any consent from the contractor towards exercise of the contractual Option Clause. To this end, a reasonable delivery schedule for the enhanced ordered quantity stipulated in the relevant amendment to the contract will suffice.
- b. The purpose of **“Reasonable Notice”** for exercise of (-) 25% Option Clause consequent to decrease in prices subsequent to the placement of contract should be served by giving a reasonable opportunity to the contractor to unconditionally agree to accept such lower rates for the quantity unsupplied on the date of reduction/decrease of prices or the (-) 25% quantity, whichever is less. Here also, no consent from the contractor towards exercise of the contractual Option Clause is necessary.
- c. In case Delivery Period is extended in a contract with (+) 25% Option Clause either for the full ordered quantity or a part quantity which remained unsupplied on the date of expiry of the original DP, then during the extended delivery period also, quantity variations can be made on the total ordered quantities.
6. Tenderers are called upon to carefully examine the locations of various consignees situated in different states and admissibility or otherwise of exemptions offered by the respective State Governments / Local Authorities on interstate Transportation / import of Goods from other states (e.g. IGST/CGST/UTGST/SGST etc.) before submitting their offer. It may be reiterated that the total landed cost of goods offered shall, in no case, exceed the sum of various constituents of rates quoted in their original offer.
7. Purchaser reserves the right to discharge a tender, accept the tender for a part or whole of the quantity without assigning any reasons whatsoever.
8. Wherever all or most of the approved firms quote equal rates and cartel formation is suspected, Purchaser reserve the right to place order on one or more firms with the exclusion of rest without assigning any reasons thereof. Firms are expected to quote for a quantity not less than 50% of the tendered quantity. Offers for quantity less than 50% of tendered quantity will be considered unresponsive and liable to be rejected, in case cartel formation is suspected, DFCCIL-JAIPUR, however, reserves the right to place order on one or more firms for any quantity without assigning any reason thereof. The firms who quote in cartel are warned that their names are likely to be deleted from the list of approved sources.
9. The cost of tender document is dispensed with for tender documents downloaded by bidders from website www.ireps.gov.in.
10. **Supply tolerance Clause –**

If unsupplied quantities value at the expiry of DP/Extended DP are within 5% of the contract quantity or Rs 8 Lacs, whichever is less, then the same will be treated as

11 SPECIAL CONDITIONS IN REGARD TO EARNEST MONEY:

11.1 There shall be no exemption from submission of EMD for any tender or by any tenderer subject to provisions under Clause 12.6 below, except following –

- (a) EMD shall normally not be called against limited tenders with estimated value upto Rs 25 lakhs (including single tenders, global tenders).
- (b) Micro and Small Enterprises (MSEs) registered for the tendered item in terms of Railway Board's letter No. 2010/RS(G)/363/1 dated 05.07.2012.
- (c) Other Railways and Government Departments in terms of Railway Board's letter No. 2004/RS9G0/799/11 dated 24.07.07
- (d) Indian Ordinance Factories in terms of Railway Board's letter No. 92/RSS(G)/363/1 dated 08.04.1993
- (e) PSUs owned by Ministry of Railways and PSUs for the group of items that are manufactured by them in terms of Railway Board's letter No. 2003/RS(G)/779/5 dated 10.09.2004.
- (f) Vendors registered with Railways for the trade group of the item tendered.
- (g) Vendors appearing on the approved vendor lists of RDSO/PUs/CORE, subject to approval status being valid on the date of tender closing.
- (h) Vendors registered with railways for supply of medicine, medical equipments and consumables shall be exempted from submission of EMD for these items.
- (i) In tenders issued against PAC, OEM in whose favour PAC has been issued shall be exempted from submitting EMD. KVIC and ACASH shall be exempted from EMD for items supplied by them.
- (j) Offers submitted without EMD shall be summarily rejected.

11.2 EMD amount shall be –

Estimated value of tender	EMD (rounded off to nearest higher Rs. 100 (hundred)
Upto Rs. 50 Cr.	@2% of the estimated value of the tender subject to max. Rs. 20 Lakh.
Above Rs. 50 Cr.	Rs 50 lakh

11.3 EMD shall remain valid for a period of 45 days beyond the final bid validity period. When the tenderer agrees to extend the validity of offer, he shall also extend the validity of EMD suitably.

11.4 EMD shall be refunded when any one of the following conditions is satisfied.

- (a) After finalization of tender the bidder is an unsuccessful bidder.
- (b) Validity of offer expires and validity extension is not sought.
- (c) Validity of offer expires and bidder refuses to extend validity of offer.
- (d) After finalization of the tender successful bidder submits required SD.

11.5 Neither the standing deposit, if any lodged with this Railway nor will any other deposit against any other tender be accepted as earnest money for the purpose of this tender.

12. Special Condition in Regard to Security Deposit:

12.1 There shall be no exemption from submission of Security Deposit (SD) for any tender or by any tenderer except following –

- (a) The contract cases of value upto Rs. 25 (Twenty-Five) lakh.
- (b) Other Railways and Government Departments in terms of Railway Board's letter No.2004/RS9G0/799/11 dated 24.07.07
- (c) Indian Ordinance Factories in terms of Railway Board's letter No. 92/RSS(G)/363/1dated 08.04.1993
- (d) PSUs owned by Ministry of Railways and PSUs for the group of items that are manufactured by them in terms of Railway Board's letter No. 2003/RS(G)/779/5 dated 10.09.2004
- (e) In tenders issued against PAC, OEM in whose favour PAC has been issued shall be exempted from submitting SD. KVIC and ACASH shall be exempted from SD for items supplied by them.
- (f) Vendors registered with Railways for the trade group of the item tendered shall be exempted from SD for order valued upto their monetary limit of registration.
- (g) Vendors appearing on the approved vendor lists of RDSO/PUs/CORE, subject to approval status being valid on the date of tender closing.
- (h) Vendors registered with railways for supply of medicine, medical equipment and consumable shall be exempted from submission of SD for these items.

Note: Apart from claiming damages from vendors, in case of failure to comply with the contractual obligations, Railway shall record poor performance of the vendors for taking suitable penal action as per extent instructions.

12.2 Security Deposit (SD) amount shall be as under:

Contract Value	SD (rounded off to nearest higher Rs. 10 (ten)
Above Rs. 25 Lakh and upto Rs. 50 Cr.	@5% of contract value subject to max. Rs. 50 Lakh.
Above Rs. 50 Cr.	Rs 1 Cr.

However, DFCCIL can raise the upper limit of SD upto 10% of the contract value in high value cases.

- 12.3 Security Deposit (SD) shall remain valid for a period of 60 days, beyond the date of completion of all contractual obligations.
- 12.4 **Time for deposit of SD:** SD from successful tenderer should be received in purchase office within 21 days from the date of communication of acceptance with respect to the purchaser.
- 12.5 In the event of successful tenderer(s) failing to deposit/submit SD in acceptable form within the prescribed period as aforesaid, the EMD submitted by such successful tenderer(s) shall be automatically adjusted towards SD in view of the fact that in most of the cases, EMD amount would be adequate to meet the SD amount. In case where available EMD amount is less than required SD and the successful tenderer does not deposit the balance SD amount within stipulated time, then the EMD shall be forfeited and case can be dealt with as that of withdrawal of offer by the tenderer.
- 12.6 All vendors, exempted from submitting EMD, as per para 11 above, irrespective of type of tender, i.e. single, limited or open, shall be required to sign a bid securing declaration as mentioned below:
As per Railway Board letter no 2004/RS(G)/779/11 pt. Dt 23.12.2019; Bid securing declaration to be signed by bidders availing exemption from submission of EMD

'I/We certify that my/our offer is eligible for exemption from submission of bid security/Earnest Money Deposit, in terms of the tender condition.

In case my/our claim to exemption from submission of bid security/earnest Money Deposit is not found valid as per terms of the tender, I/we understand and accept that DFCCIL has unquestionable right to summarily reject my bid and my offer shall not be considered for ordering further, I/we hereby understand and accept that if I/we withdraw or modify my/our bid during the period of validity, or if I/we are awarded the contract and on being called upon to submit the performance security

/security Deposit, fail to submit the performance security / security Deposit before the deadline defined in the request for bid document/Notice inviting Tender I/we shall be debarred from exemption of submitting Bid Security/Earnest Money Deposit and performance security/security Deposit for a period of 6 (Six) month, from the date I/we are declared disqualified from exemption from submission of EMD/SD, for all tenders for procurement of goods issued by any unit of Indian Railways published during this period"

This para shall not be applicable for Govt. Departments/ ordance factories/ other Railways/ Railway PSUs/ KVIC/ ACASH and matter shall be taken up with them departmentally/ administratively.

12.7 Wherever SD has been exempted, for any reason, and the supplier fails to supply goods as per conditions of contract, as amended from time to time, Purchaser shall have right to levy damages from the supplier for failing to comply with the contractual conditions, not by way of penalty, an amount equal to SD amount, as would have been applicable if the contract was with a non- exempted vendor. These damages shall be treated as recoveries outstanding against the vendor and dealt with accordingly.

12.8 Risk purchase clause shall not be applicable.

12.9 In case, if there is any conflict between the provisions in regard to security deposit (SD) given in Para 7 of Section-B or anywhere else in the tender documents on one hand, and the provisions given in Section-C in regard to Security Deposit (as mentioned above) on the other, then the provisions given in Section-C in regard to Security Deposit (as mentioned above) will hold good.

13.0 (i) Bank Guarantee (BGs) to be submitted by suppliers/ contractors, if offline, should be sent directly to the DFCCIL-JAIPUR authorities by the issuing bank.

(ii) Bank Guarantees (BGs) to be submitted by suppliers/ contractor, if online, should be issued on SFMS platform using message type IFN 760. The message will be sent to the beneficiary's bank/ advising bank through SMS. A hard copy of BG clearly indicating that it is as "COPY ONLY" may be handed over to the applicant for their use

e.g. for attaching it with any Bid Documents.. The advising bank will print the BG on stamp paper of required value or pay the required stamp Duty by other means and then deliver the Bank guarantee to the Beneficiary.

14.0 Road permit : The tenderer / supplier should note that for getting road permits for making dispatches of material by road (after receipt of purchase order), they must send a written intimation at least 30 days in advance before likely date of dispatch of materials, duly indicating no. of road permits required, the approximate quantity with brief description of item etc. and this written intimation must be sent to the ultimate consignee both by fax & E-mail (where E-mail /fax is not available, communication for such matter must be made by speed post). However, the supplier are at their liberty to make telephonic calls in this respect also to the concerned person as indicated above, but sending the intimation both by

E-mail and by fax (or by Speed post where E-mail/fax is not available) is must. The supplier shall also note that before asking additional no. of road permits from the concerned ultimate consignee, the supplier shall have to ensure that all earlier issued road permits against a particular purchase order has been used by them for that particular consignee of DFCCIL or else all unused road permits must be returned by them to the concerned officer (who have issued such road permit) but well within its validity period. In case any supplier does not fulfills this condition after entering into the contract, then the ultimate consignee shall be at liberty to take a final decision regarding issue of further road permits to such defaulting supplier (i.e. whether to issue further road permits or not) & then for any delay on this account (i.e. non-issue of road permit by consignee etc.), such defaulted supplier only will be held fully responsible. Firm should note that immediately after receipt of PO, they should obtain complete postal address, E-mail, fax no. etc. of all ultimate consignees for communication. Tenderer should note that, failure to comply above instructions by the supplier after receipt of PO (as these condition will also be the part of the contract) will be considered as adverse performance of the firm by DFCCIL.

15.0 Inspection: The tenderer should note that the supplier shall have to give a written communication of each inspection call to the concerned inspecting agency e.g. RITES/RDSO/DFCCIL well before the expiry of contractual DP duly taking into account the transit time needed to reach the material finally at site as per terms and conditions of purchase order. Thus the inspection call should not be made at the fag end of delivery period in terms of IRS conditions of contract. Also the copy of each inspection call of materials must be sent by the supplier to the ultimate consignee & CGM/DFCCIL both by E-mail & fax (or through Speed post where E-mail/fax is not available).

16.0 Dispatches by road:

- i) The tenderer should note that generally the supplier are supposed to quote delivery by road (only in exceptional cases, delivery by Rail will be accepted by DFCCIL) and that too on FOR destination basis for each consignee as given in the Electronic Tender SOR duly indicating separate freight elements for each consignee of Electronic Tender SOR. Tenderers are requested to refer to important note below Para 9 of Annexure-A for quoting the freight charges on the financial form.
- ii) It shall also be entire responsibility of supplier to arrange truck /trailer etc. at their end for dispatches of materials by road and DFCCIL shall not provide any assistance in this matter and no delay on part of the supplier on this account w.r.t. delivery of material shall be considered as a valid reason to extend the contractual DP / waive penalty etc. by the purchaser.

17.0 Intimation regarding dispatches of material:

The tenderer should note that the supplier shall have to give a written intimation either at the time of making dispatches or immediately after the dispatches of material (i.e. preferably within 48 hours of dispatch of materials) duly indicating PO's reference, brief description of item, its quantity, truck/trailer no., name and mobile no. of carrier's driver (if available) to the ultimate consignee, by fax & E-mail (where E-mail /fax is not available communication for such matter must be made by speed post).

18.0 Progress report:

The tenderer should note that the supplier after getting the purchase order, shall have to furnish details of dispatches made during each month to the ultimate consignee & CGM/JP office both by E-mail & fax (or through Speed post where E-mail/fax is not available) and

such information should be sent positively within last week of each month, so that proper planning of materials may be done by DFCCIL.

ii) In addition, the supplier shall have to intimate in writing their next two months programme of likely dispatches positively within last week of each month with full details i.e. quantity likely to be manufactured and going to put up for inspection etc. duly indicating PO number, brief description of items, approximate quantity,, etc., to the ultimate consignee, & CGM/DFCCIL both by E-mail & fax (or through Speed post where E-mail/fax is not available)

iii) Tenderer should note that, failure to comply above instructions by the supplier after receipt of PO" (as these condition will also be part of the contract) will be considered as adverse performance of the firm by DFCCIL.

19.0 Production capacity & past performance:

i) The tenderer should indicate their total monthly /annual production capacity of the tendered /similar items duly indicating the number of purchase orders (as received from government unit /PSU/Zonal Railway/etc.) pending with them for tendered or similar item (i.e. which are yet to be executed by them).

ii) The tenderer should also furnish full details of such pending order (i.e. for tendered or similar items as received from PSU /other government units / zonal Railway with their offer i.e. PO number, brief description of item, order quantity, contractual delivery period, value of purchase order, quantity supplied and quantity due etc.

iii) The tenderer should also furnish detailed information with respect to their past performance as per instructions to tenderers.

20.0 LD Clause

- (a) In cases of delays of contractual delivery full LD will be levied as per IRS conditions of contract and being a contractual provision no request for LD waiver will be considered, notwithstanding any past instances of such waiver or levy of token LD.
- (b) DFCCIL-JP should recover from contractor as agreed liquidated damages and not by way of penalty, a sum equivalent to **1/2% (Half percent)** of the price of any storesincluding element of taxes, duties, freight etc., which the contractor has failed to deliver within the period fixed for delivery in the contract or as extended per week or part of a week during which the delivery of such stores may be in arrears where delivery thereof is accepted after expiry of the aforesaid period, subject to maximum of 10 % of value of the delayed supplies.”

21.0 Deviation Statement

Tenderer should note that, if any column/field is left blank either in Techno- Commercial Offer Form or Financial Offer Form by them in Electronic Tender SOR, etc, both in respect of technical as well as commercial matters, then it will be treated as NIL deviation by DFCCIL and thereafter no change in those parameters will be accepted/permitted by DFCCIL.

22.0 The tenderer's digital signatures on the E-tender form shall be considered as their confirmation that they have read and accepted all terms & conditions as laid-down in the Electronic Tender Documents referred in Para 2 of the instructions for submitting E-bids on IREPS site i.e. Section-A, Important Terms & conditions of Electronic Tender Schedule of Requirement i.e. Section-C., consisting of techno-commercial offer form (including special conditions attached to E-tender) and financial offer form, unless specific deviation is quoted in the techno-commercial offer form.

23.0 The remedial action / penalty as prescribed by the vendor approving authority, for non-

conformance of sample to the required quality, shall also be applicable.

24.0 RDSO's inspection & Consequent action:

Supplier being a Firm/Vendor approved by RDSO, shall abide by all the provisions of "General Guidelines for Vendor Development" of RDSO's website under the link "vendor interface".

25.0 Court Jurisdiction:

For any disputes related to contract or inspection/action by RDSO in pursuance of "General Guidelines for Vendor Approval", the court jurisdiction would be the HQrs of the DFCCIL, where the contract agreement has been signed

26.0 GST

- (A) For the tenders opening after roll out of GST- All the bidders/ tenders should ensure that they are GST compliant and their quoted tax structure/ rates are as per GST Law.
- (B) In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, The DFCCIL shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned tax authority.
- (C) Where however, bidders quote different GST rates in offers, During transition phase, following conditions will govern:
 - (i) The offers shall be evaluated based on the GST rate as quoted by each bidder and same will be used for determining the inter se ranking. While submitting offer, it shall be the responsibility of the bidder to ensure that they quote correct GST rate and HSN number.
 - (ii) Purchaser shall not be responsible for any misclassification of HSN number or incorrect GST rate if quoted by the bidder.
 - (iii) Wherever the successful bidder invoices the goods at GST rate or HSN number which is different from that incorporated in the purchase order, payment shall be made as per GST rate which is lower of the GST rate incorporated in the purchase order or billed.
 - (iv) Vendor is informed that she/he would be required to adjust her/his basic price to the extent required by higher tax billed as per invoice to match the all-inclusive price as mentioned in the purchase order.
 - (v) Any amendment to GST rate or HSN number in the contract shall be as per the contractual conditions and statutory amendments in the quoted GST rate and HSN number, under SVC as defined in section 64A of Sales & Goods Act as amended from time to time.
 - (vi) DFCCIL shall recover GST-TDS @ 2% (CGST 1% and SGST/UTGST 1% or IGST @ 2%) on invoice value (Excluding GST) from the payment made of taxable goods or services or both, where the total contract value of such supply exceeds Rs 2.50 Lacs, or as prescribed by Government from time to time and remit the same to Govt. (Railway Board Letter No. 2018/AC-II/1/46 dated 29.09.2018)

27.0 PROMOTE MANUFACTURING AND PRODUCTION OF GOODS AND SERVICES IN INDIA

This Tender complies with Public Procurement Policy Order 2017 dated 15.06.17

As per Ministry of Commerce and Industry order no P-45021/2/2017-B.E.-II dated

15.06.2017 to encourage "Make in India" and promote manufacturing and production of goods and services in India preference will be given to local suppliers whose offered product meets the minimum local content as prescribed as under.

- 27.1 Local content: The minimum local content shall ordinarily be 50% if not specified otherwise in a specific tender. CGM DFCCIL shall be competent to vary the minimum local content below the prescribed level on case to case basis. Requisite action as per para 14 of the Ministry of Commerce and Industry Order No. P-45021/2/2017-B.E.-II dated 15.06.2017, shall be ensured.
- 27.2 Margin of purchase preference: The margin of purchase preference shall be 20% i.e. in tenders, participating Local Suppliers quoting a price within price band of L1 + 20% shall be allowed to supply a portion of the requirement by bringing down their price to L1 in a situation where L1 price is from someone other than a Local Supplier and such local suppliers can be together ordered upto 50% of the value out of the net procurable quantity. Purchase preference shall be given to local suppliers in all procurements in the manner specified hereunder:
- a. "In procurement of goods, services or works in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods or services or works is more than Rs. 50 lakhs, the provisions of sub-paragraph b or c, as the case may be, shall apply";
 - b. "In the procurements of goods or works which are not covered by paragraph 3a and which are divisible in nature, the following procedure shall be followed":
 - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.
 - ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
 - c. "In procurements of goods or works not covered by sub-paragraph 3a and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed":-
Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.

If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier

subject to matching the Li price,

In case such lowest eligible local supplier fails to match the LI price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the Li price, then the contract may be awarded to the L1 bidder.

- 27.3 The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- 27.4 In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- 27.5 Procurements where the estimated value to be procured is less than Rs. 5 Lakhs shall be exempted from the order of Public Procurement Policy Order 2017 dated 15.06.17.
- 27.6 Debarment of Bidders:
- (i) False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
 - (iii) A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under relevant rule.
- 28.0** Implementation of payment through letter of credit (LC): Implementation of payment through letter of credit (LC) as option in domestic supply contracts has been incorporated vide railway board letter no 2018/RS(G)/779/4 dated 04.06.2018 and necessary enclosure are available in Section “H”.
- 29.0** Tender being floated by DFCCIL with reverse auction shall be governed by conditions as per Section-I.
- 30.0** Special condition for supply of Fish plate, Joggled fish plate & MS clamp and Guarantee of stores as required for fabrication of materials shall be governed as per Section “E” of tender document.

Section D
Information regarding workload on Tenderer

Section D
Information regarding workload on Tenderer

Tender Notice no.:

Name of the firm/Vendor:

P-way Component:

S.No.	Item	Details			Any other relevant information	Remarks
1	Monthly Production capacity of vendors as certified and circulated by RDSO.					
2	Orders on hand	Contract Reference	Balance quantity	Date of completion		
		a)				
		b)				
		c)				
3	Details of tenders already participated for same component (Yet to be finalised)	Tender Notice Details	Quantity tendered	Status		
		a)				
		b)				
		c)				

It is certified that the above information is true to the best of my knowledge till date and no information is suppressed. DFCCIL-JP is free to take action in case above information is found to be otherwise.

Section E

**Special conditions for supply of Joggled fish plate,
Fish plate, MS clamp and Guarantee of Stores**

**Special conditions for supply Fish plate, Joggled fish plate & MS clamp and
Guarantee of Stores**

1.0 Supply of Fish plate, Joggled fish plate & MS clamp

1.1 : - The material should be RDSO approved firm. The material offered should be in accordance with the technical specification of Fish plate, Joggled fish plate & MS clamp with Up-To-Date amendments & correction slips. The scope of work in the subject tender shall include but not limited to the following:

- a. Manufacture & Supply of Fish plate, Joggled fish plate of IRS-T-1:2021 & MS clamp of IRS specification No. IS-226-1975 as per Indian Railway Standard (With latest A&C Slips) and approved Inspection & testing plan, to suit the requirement of DFCCIL.
- b. Complete submission of Inspection & Testing plan and other submissions as per Specifications for manufacturing and obtaining approval for the same from DFCCIL.
- c. Conducting all necessary inspection and testing required for the production of and also arranging third party inspection from the nominated inspecting authority including providing all the inspection facilities.
- d. Packing, loading, transportation from the source of manufacturing to place of delivery, handling, forwarding, documentation and delivery of the manufactured Fish plate, Joggled fish plate & MS clamp at designated place in IMD New Shrimadhopur DFCC station, including unloading & stacking.
- e. Observing all safety precautions as required during all operations covered under this tender.
- f. The material shall be supplied as per specification.
- g. Supply of drawings, tracings or Reports of the material to be supplied shall, unless otherwise directed, be furnished by the Supplier with the first consignment of the work to which they relate and no payment whatsoever will be made until such drawings, tracings or Reports have been furnished to the satisfaction of the Purchaser.

- 2.0** (i) Security deposit for supply of Fish plate, Joggled fish plate & MS clamp shall be submitted within 21 days of date of issue of Purchase Order. In case BG is not submitted within 21 days of date of issue of Purchase order; DFCCIL may take action to cancel the contract or any part thereof and procure the unsupplied quantity as per condition of contract.
- (ii) Security deposit for supply of Fish plate, Joggled fish plate & MS clamp shall be for a minimum amount required to meet with the requirement of material to supply tendered material as per quarterly delivery schedule / delivery period of the purchase order.

a) Fish plate, Joggled fish plate & MS clamp to be issued against this contract will be as under:

Item No.	Name of Goods	Technical Specifications and Standards
1.	Joggled Fish plates for 60kg rails	Manufacturing and supply of Joggled Fish plates 60kg rails to RDSO Drg. No. T-5849 with latest alteration conforming to IRS specification No. T-1: 2021 Provisional with latest corrigendum issued up to 20 days prior to the date of closing of tender.
2.	1.0 meter long Fish Plate 60 kg rails	Manufacturing and supply of 1.0 meter long Fish Plate 60 kg rails as per RDSO Drg. No. T-5916 (Excluding nut & bolt & washer) with latest alteration conforming to IRS specification No. T-1: 2021 Provisional with latest corrigendum issued up to 20 days prior to the date of closing of tender.
3.	MS Clamp for 60 kg Joggled Fish Plates	Manufacturing and supply of MS Clamp for 60 kg Joggled Fish Plates to RDSO Drg. No. T-5854 & 5854/1 with latest alteration conforming to IRS specification No. IS-226-1975. with latest corrigendum issued up to 20 days prior to the date of closing of tender. (One set of clamp consists of following items - (i) M.S. Clamp as per Drg. No. RDSO/T- 5854=01 No. (ii) M.S. Clamp as per Drg. No. RDSO/T-5854/1=01 No. (iii) Bolt with nut 25x260mm as per Drg. No. RDSO/T-11525=01No. Note: Values of A, B C, and D mentioned in above RDSO drawing shall be A=86, B=96, C=184 & D=172 as mentioned in Note 9 of RDSO Drg. No. T-5849.

- 3.1 (a) Where any raw material is procured for the execution of contract with the assistance of the Government rendered in the form of permit or license of quote certificate / essentiality certificate or release order issued by or on behalf of or under the authority of the Government or by any officer empowered in that behalf or
- (b) Where the raw material is issued to the contractor from government stock or
- (c) Where advance payment is made to the contractor to enable him to purchase the raw material or
- (d) Where the raw material is arranged by the Government, the contractor:
- Shall hold such materials as trustee for the Government.
 - Shall use such material economically and solely for the purpose of the contract.
 - Shall not dispose of the same without the previous permission in writing of the purchaser and
 - Shall render the due account of such materials and return to the Government at such place as the Purchaser may direct all surplus or unserviceable material that may be left after the completion of the contract or its termination for any reason whatsoever.

- (a) On returning such material, the contractor shall be entitled to such price therefore as the purchaser may fix having regard to the condition of such material. The freight charges for the return of the materials according to the direction of the purchaser shall be borne by the contractor in the event of contract being cancelled for any default on his part. The decision of the Govt. shall be final and conclusive.

3.2 In the event of breach of the aforesaid conditions the contractor shall in addition to throwing himself open to action for contravention of terms of the licence/s or the permits/s and or criminal breach of trust be liable to account of Govt. for all moneys, advantages or profits resulting or which in the usual course would have resulted to him by reasons of such breach.

3.3 The purchaser however, render assistance in respect of the following to the extent of making necessary recommendations without undertaking any financial or other liabilities thereof.

- (a) For allotment of required quantity of any inputs raw materials which are under statutory control of the Govt. of India.

- (b) For allotment of quota for light diesel oil, furnace oil, if under statutory control of the Govt. of India.

- (c) For allotment of quota for electricity required for manufacture of goods.

3.4 The supplier shall be responsible for safe custody of raw materials procured with the assistance of this Railway and the latter will have the right to inspect, verify and satisfy that the quantities of raw materials procured with this railway have been solely used for the tendered material and left over quantity, if any has to be accounted for the disposal of as directed by this railway.

4 Guarantee of Stores

The contractor guarantees that the stores which he supplies shall be manufactured fully in accordance with the specifications. In all cases, the contractor guarantees that its design shall strictly follow the “as made” detailed drawing with such modifications as are notified in respect of each type.

4.1 The contractor further guarantees that the stores shall be free from defects in material and workmanship provided that the contractor’s liability in this respect shall be limited to arranging the necessary replacement of the defective supplies free of any charge only to the extent that such replacements are attributable to or arise from faulty workmanship or material or in the manufacture of the stores. All replacements shall be made free of the cost at destination. If the contractor so desires, the replaced stores can be taken over by him for disposal as he deems fit, within a period of three months from the date of receipt of replacement of stores. At the expiry of this period no claim whatsoever shall lie on the purchaser.

4.2 The guarantee herein contained shall not apply to any material, which shall have been repaired or altered by the Purchaser, or on his behalf in any way so as to affect its strength, performance or reliability or any defect to any part due to misuse, negligence or accident.

4.3 All replacements that the Purchaser shall call upon the Contractor to deliver under this guarantee shall be delivered by the Contractor within three months from the date on which the purchaser calls upon him for the replacements of the defective stores. If the contractor fails to replace defective stores within the said period, the cost of the said stores at the rate stipulated in the

JP-EN-Joggled-Fish Plate

contract shall be recovered from payment due to the contractor including the amount of security deposit made and maintain against this contract.

- 4.4 Any approval or acceptance by the Purchaser of the stores or of the materials incorporated therein shall not in any way limit the contractor's liability hereunder.
- 4.5 The decision of the purchase in regard to contractor's liability under this guarantee shall be final and conclusive.

SECTION-F

Instructions for tenderers on LC mode of Payments

Instructions for tenderers on LC mode of Payments

Scheme of Letter of Credit for Domestic Supplies (including all service and maintenance contracts) tenders having estimated value of Rs.10 lakhs and above:

- a. All Tenders invited by Zonal Railways/DFCCIL, having estimated value of Rs.10lakhs and above, shall have an option for the supplier /contractor to take payment from DFCCIL through a letter of credit (LC) arrangement.
- b. The LC will be a sight LC.
- c. The bidder, at the time of bidding itself, shall exercise an option, in favour of taking payment due against the said tender, through LC arrangement. The option so exercised, shall be an integral part of the bidder's offer.
- d. Option once exercised shall be final and no change shall be permitted, thereafter, during execution of contract.
- e. The incidental cost @ 0.15% of LC value, towards issue of LC and operation thereof shall be borne by the supplier /contractor and shall be recovered from their bills.
- f. The arrangement would cover all such contract finalized against tender issued during the said period and shall extend till final execution of these contracts.
- g. The schedule of payment liability arising in the contract shall be established by the DFCCIL based on the prescribed delivery schedule/ stages of supply.
- h. The acceptable, agreed upon document for payments to be released under the LC so opened, shall be a Document of Authorization.
- i. The Supplier /contractor shall submit their bills for completed supply to the bill processing authority mentioned in supply/ contract agreement to issue Document of Authorisation to enable supplier/contractor to claim the authorized amount from their Banker.
- j. Accounts Officer responsible for passing the claim will issue the Document of Authorization.
- k. The supplier/ contractor shall take print out of the document of Authorization available on IREPS portal and present his claim to his banker (advising bank) for necessary payments as per LC terms and conditions. The claim shall comprise LC document of Authorisation Bill of Exchange and invoice.
- l. The bank shall also recover any amount as may be advised by DFCCIL against the contractor/supplier.
- m. The Contractor /vender shall indemnify and save harmless the Railway/DFCCIL from and against all losses, claims and demands of every nature and description brought or recovered against the Railway by reason of any act or omission of the Contractor/ Vender, his agents or employees, in relation to the Letter of Credit (LC). All sums payable/ borne by Railways on his account shall be considered as reasonable compensation and paid by Contractor/Vender.

Annexure 10

Format of letter from Executive branch to Account Office for opening of LC

No. _____

Office of CGM/Jaipur unit
Date:

Chief General Manager
DFCCIL/Jaipur

Sub: Opening of LC

Ref: Supply Order/ Contract Agreement No.

It is requested to open a sight LC against the above referred Supply Order/ Contract Agreement No. in favour of _____. The detail of beneficiary are as under:

- (i) Name of Contractor / Supplier
- (ii) Vender Code
- (iii) Address
- (iv) Tender No.
- (v) Contract Agreement No.
- (vi) Description of Goods/ Service
- (vii) Value of Contract
- (viii) Stage of Payment
- (ix) Validity period of LC
- (x) Expected payment within 6 months (LC Amount)
- (xi) Beneficiary Bank details:
 - a) Bank Name
 - b) Address
 - c) Account No.
 - d) IFSC Code

It is certified that the supplier / contractor has exercised the option of taking payment due against the tender, through LC arrangement in IREPS portal at the time of bidding itself and the option has been flagged in the IREPS. This has the approval of _____.

(Signature)

Name: _____

Designation : _____

(Official Seal)

Section G
TENDER CONDITIONS FOR STORES TENDERS

TENDER CONDITIONS FOR STORES TENDERS

Reverse auction shall be the preferred method for procurement for tenders valued more than Rs 5 Cr. in each case (Please check NIT for applicability of reverse auction in a particular tender).

Tenders being floated by DFCCIL with reverse auction shall be governed by following conditions, with all other tender conditions attached with tender and are deemed as accepted by vendor on participation in the bid event.

- 1.0 A reverse auction system is a two packet system.
- 2.0 After initial evaluation of technical bids, convener of the tender committee shall fix the following, on case to case basis depending upon the nature of item. This shall be indicated in tender for e-RA itself.
 - a) **Initial e-RA period:-** This shall be the initial time interval for e-RA. E RA shall be open for this duration.
 - b) **Auto extension Period:-** In case of any offer is received in the time period equal to auto extension period before close of initial e-RA period, The e-RA shall be extended for time equal to auto extension period from the time of last bid. There shall be no upper limit on no. of auto extensions. When no offer is received in the last auto extension period e-Ra shall be closed.
 - c) **Minimum decrement in percentage of value of the last successful bid.**
- 3.0 Date and time for start of e-RA will be communicated to qualified tenderers after evaluation of the technical bids.
- 4.0 After submission of initial price bid, tenderers will not be allowed to revise the taxes and other levies and all other cost/price elements may be varied.
- 5.0 Minimum Admissible bid value will be last bid value minus minimum decrement as specified by the tendering authority before starting of reverse auction. Starting point of RA shall be the lowest initial price bid of tenderer eligible for award of contract.
- 6.0 After close of RA, tabulation of last (minimum) bids received from all tenderers will be generated and made visible to Railways and participating tenderers.
- 7.0 Bidders will not be allowed to withdraw their last offer.
- 8.0 L-1 will be defined as the lowest bid of obtained after the closer of RA for Goods, Works and Service Tenders.
- 9.0 Bidder shall be simultaneously required to electronically submit technical and commercial bid and initial price offer. Offers found eligible for bulk order shall be categorized as qualified for bulk order and offer found for developmental order shall be categorized as qualified for development order for the purpose of RA.

10.0 Offers not complying with essential technical and commercial requirement of the tenders shall be declared as ineligible for award of contract.

11.0 Initial price for only those bidders categorized as qualified for development order or qualified for bulk orders shall be opened and tabulated by system separately category wise. Extant instructions for electronic tabulation shall apply for tabulation of initial price offers.

12.0 **Financial Bids:-** Financial bid shall comprise of final price offer obtained through reverse auction.

A. Selection of vendors for Reverse Auction for bulk orders in Store Tenders

Number of tender qualified for award of bulk order	Numbers of tenders to be selected for reverse auction	Remarks
<3	Nil*	The bids disallowed from participating in the reverse auction shall be the highest bidders in the tabulation of initial price offer. In case the highest bidders quotes the same rates, the initial price offers received last, as per time log of IREPS, shall be removed first, on the principle of last in first out, by IREPS system itself
3 to 6		
More than 6	50% of vendor qualified for bulk order (rounded off to next higher integer).	

*If number of tenders qualified for bulk order is less than three RA shall not be done and tender may be decided on the basis of initial price offers.

B. Selection of vendors for Reverse Auction for Developmental ordering in Store Tenders:

All bids found qualified for developmental order shall participate in reverse auction for developmental orders.

C. The final tabulation statement should include the initial price offer of a firm who has not participated in the RA process.

13.0 **MSEs Criteria:** All MSEs qualified for bulk order but could not be selected for RA as per criteria stipulated in Para 12(A) above, but are within the range of 15% of lowest initial price bid shall be permitted to participate in the reverse auction, irrespective of their inter se ranking on the basis of initial price bid. Such MSEs shall be over and above the numbers of vendors selected for RA as per para 12(A). For this purpose lowest initial price bid shall mean lowest initial price bid of vendor qualified for bulk order.

- 14.0 **Make in India Criteria:-** All bidders eligible for benefits under public procurement (Preference to Make in India) order 2017, Found qualified for bulk order and are within the specified range of price preference of lowest initial price bid shall be permitted to participate in the RA, irrespective of their inter se ranking on the basis of initial price bid. For this purpose lowest initial price bid shall mean lowest initial price bid of vendor qualified for bulk order.
- 15.0 During RA process, bidders shall not be allowed to bid a higher rate than the lowest initial price offer.
- 16.0 The quantity to be covered on developmental orders shall be limited to 20% net procurable quantity. Development order shall be placed in terms of Railway board letter no. 99/RS(G)/709/1/Pt dated 13.01.2015. The quantity covered on development orders may be within or outside NPQ which will be decided by TC/TAA before conduct of reverse auction
- 17.0 After obtaining the final bid of reverse auction tenders shall be finalized as per existing policy (Including price preference to MSEs and Make in India Order 2017, (wherever applicable) and procedure based on the eligibility and quantity distribution criteria as pre defined in tender documents. All the relevant policies of Government of India at the relevant time shall be applicable.
- 18.0 Neither DFCCIL/ Railways nor CRIS can be held responsible for consequential damages such as no power supply, system problem, inability to use the system, loss of electronic information, power interruptions, UPS failure etc.
- 19.0 The DFCCIL-Jaipur shall however, be entitled to cancel the procurement through Reverse Auction process, if in its view procurement through reverse auction process is not leading to the benefit of the DFCCIL.

On any issue or area of material concern respecting Reverse Auction not specifically dealt within these Rules, the decision of the DFCCIL shall be final and binding on all concerned.

DELETED

AFFIDAVIT

TO WHOM SO EVER IT MAY CONCERN

We declare and certify that we have requisite machinery and manufacturing facility and will establish requisite testing facility within 60 days of award of contract, to supply of Fish plate, Joggled fish plate & MS clamp as per specification of this document.

(To be executed by the authorized signatory of the Firm/Company with seal on a Non Judicial Stamp Paper of Rs 500/- and affirmed before a notary public).

(Note : To be submitted by tenderer quoting for developmental order.)

SECTION-H

TECHNICAL SPECIFICATIONS

Technical Specifications

The Goods and Related Services shall comply with following Technical Specifications

Item No.	Name of Goods	Technical Specifications and Standards
1.	Joggled Fish plates for 60kg rails	Manufacturing and supply of Joggled Fish plates 60kg rails to RDSO Drg. No. T-5849 with latest alteration conforming to IRS specification No. T-1: 2021 Provisional with latest corrigendum issued up to 20 days prior to the date of closing of tender.
2.	1.0 meter long Fish Plate for 60 kg rails	Manufacturing and supply of 1.0 meter long Fish Plate 60 kg rails as per RDSO Drg. No. T-5916 (Excluding nut & bolt & washer) with latest alteration conforming to IRS specification No. T-1: 2021 Provisional with latest corrigendum issued up to 20 days prior to the date of closing of tender.
3.	MS Clamp for 60 kg Joggled Fish Plates	Manufacturing and supply of MS Clamp for 60 kg Joggled Fish Plates to RDSO Drg. No. T-5854 & 5854/1 with latest alteration conforming to IRS specification No. IS-226-1975. with latest corrigendum issued up to 20 days prior to the date of closing of tender. (One set of clamp consists of following items- (i) M.S. Clamp as per Drg. No. RDSO/T- 5854=01 No. (ii) M.S. Clamp as per Drg. No. RDSO/T-5854/1=01 No. (iii) Bolt with nut 25x260mm as per Drg. No. RDSO/T-11525=01No. Note: Values of A, B C, and D mentioned in above RDSO drawing shall be A=86, B=96, C=184 & D=172 as mentioned in Note 9 of RDSO Drg. No. T-5849.

IRS T-1: 2021

**भारत सरकार
Government of India**

**रेल मंत्रालय
MINISTRY OF RAILWAYS**

INDIAN RAILWAYS STANDARD SPECIFICATION

For

FISHPLATES AND FISHPLATE BARS

**Serial no. T-1: 2021
(First Revision)**



अनुसंधान अभिकल्प एवं मानक संगठन, लखनऊ -11

Research Designs and Standards Organisation, Lucknow-11

IRS T-1: 2021

FOREWORD

0.1 Indian Railway Standard Specification for Fishplates was issued under the fixed serial No. T-1; adopted in 1931; revised in 1934, 1950, 1957, 1962 and 1966. A separate Indian Railway Standard Specification for Fishplates Combination was issued under fixed serial No.T-6 in 1939 and revised in year 1949, 1954, 1960 and 1965.

0.2 Indian Railway's requirement of fishplates was met in past by producers who not only manufactured fishplate but also produced the raw material for the purpose. With development of major steel plants, the raw material required for rolling of fishplate bars i.e. carbon steel billet is readily available from steel plants and is of superior quality as compared to one produced by small re-rollers. Therefore, it was permitted in ACS-7 of IRS T-1: 66.

0.3 Total 09 Nos. of Addendum and Corrigendum to IRS- T-1/1966 and 04 Nos. of Addendum and Corrigendum to IRS-T- 6/1965 were issued. Most of the provisions of IRS-T-1/1966 and IRS-T-6/1965 have been found common. To avoid duplication of items in above specifications, this combined specification for all type of fishplates i.e. normal fishplate, special fishplate, joggled fishplate and fishplate combination under the fixed serial number T-1-2012 is being issued. The last number indicates the year of original adoption as standard, or in case of revision, the year of last revision.

0.4 This specification covers the provisions required for manufacturing of fishplate bars and fishplates from carbon steel billets. Carbon steel billets meeting the properties given in this specification shall only be used for re-rolling in to fishplate bars/fishplates which in turn shall also meet various requirements laid down in this standard.

0.5 Latest edition amended from time to time of Indian and other standards mentioned in this specification shall be referred to.

0.6 Now, this specification has been revised and issued in 2021 to cover the ACS-1 issued in September-2018 to this specification and updating the latest revision of IS codes. Also, ALT column under Annexure-A, has been updated which indicates alteration numbers of drawings issued.

1. SCOPE

This standard covers the requirements for all types of fishplates and fishplatebars to be manufactured from carbon steel billets/blooms of specified chemical composition, mechanical properties and other metallurgical properties mentioned herein.

2. DIMENSIONS

The dimensions of fishplates shall be in accordance with the respective drawings unless otherwise specified by the purchaser. The List of drawings of fishplates of various categories is given in Annexure-A of this specification.

3. TEMPLATES

The manufacturer shall prepare two sets of working templates, internal and external, of approved metal for each section of fishplate ordered, and shall submit them to the purchaser or the Inspecting Officer and obtain his approval before the rolling/manufacture of the fishplates is commenced.

4. QUALITY OF RAW MATERIAL

4.1 The steel of billets/blooms shall be of killed quality and shall be manufactured by any process of steel making followed by secondary refining. The billets/blooms shall be conforming to IS:1875 and it will be procured from BIS approved sources only.

4.2 The carbon steel billets/blooms to be used as raw material for manufacturing fishplate bars shall be hot rolled from concast blooms/ingots ensuring a minimum reduction ratio of 3:1 from concast bloom/ingot to the rolled billet/bloom and shall be supplied in normalized heat treated condition. The size of billet/bloom for manufacturing fishplate bars shall be minimum 125mmX 125mm in normalized heat treated condition.

4.3 The carbon steel billets/blooms shall be conforming to chemical composition, mechanical properties and other metallurgical properties as stipulated in Tables 1 & 2 of this specification.

Note- Chemical composition, Mechanical and other Metallurgical properties stipulated in Tables 1 & 2 are based on values as mentioned in IS 1875:1992 (**Class 4 of steel, Designation 45C8**).

4.4 The billets/blooms used for re-rolling of fishplate bars shall be free from all harmful defects such as cracks, surface flaws, laminations and rough jagged and imperfect edges. The billets/blooms shall also be reasonably free from harmful defects such as segregation, piping, inclusions, blow holes etc.

4.5 The chemical composition of the each cast of billets/blooms used for rolling of fishplate bars when carried out by billet/bloom manufacturer either by the methods specified in the relevant parts of IS: 228 or duly calibrated Spectrometer shall be as given in Table 1 of this specification. The number of samples on which the analysis has to be carried out shall be at the rate of one sample per 100 nos. of billets/blooms or part thereof with respect to each cast.

4.6 The tensile test for determining UTS, yield strength, % elongation shall be carried out by the billet/bloom manufacturer in accordance with IS:1608 (Part-1):

2018 by drawing samples from each cast. The number of samples on which the analysis has to be carried out shall be at the rate of one sample per 25 metric tonnes of billets/blooms or part thereof with respect to each cast. The test piece shall be machined lengthwise from the sampled billets/blooms from the locations as given in Fig. 1. The grain size of the steel should be tested in accordance with IS 4748: 2009. Hardness test shall be carried out in accordance with IS: 1500 (Part-1): 2019. The test results should meet the requirement as laid down in Table 2 of this specification.

- 4.7** The fishplate bar manufacturer shall maintain the cast-wise record of source of purchase of blooms/ingots, requisite test pieces and test certificate with respect to chemical composition and mechanical properties mentioned at Table- 1 and 2 and cast wise records of the raw material billets/blooms to be used for manufacturing fishplate bars. The fishplate bar manufacturer shall produce these test certificates duly signed by steel billet/bloom manufacturer to the inspecting official at the time of offering the material for inspection. Fishplate bar manufacturer shall also submit the test pieces of the raw material of billet/bloom to the inspecting official for verification of chemical, metallurgical and mechanical properties.
- 4.8** The re-roller (fishplate bar manufacturer) shall also conduct and supply a complete analysis (chemical, mechanical and metallurgical) as mentioned at clause 4.5 and 4.6 above of each cast of steel used for rolling of fishplate bars to the purchaser or the inspecting official. For inspection of fishplate bars, sampling size and inspection schedule should be as per clause 15.
- 4.9** The fishplate manufacturer shall use only the fishplate bars duly inspected and stamped by inspecting agency. The fishplate manufacturer shall produce the inspection certificate along with test certificates of above properties duly signed by fishplate bar manufacturer to inspecting official at the time of offering the material for inspection. The Inspecting authority at the expense of fishplate manufacturer, shall cross verify the results for which suitable samples shall be available.

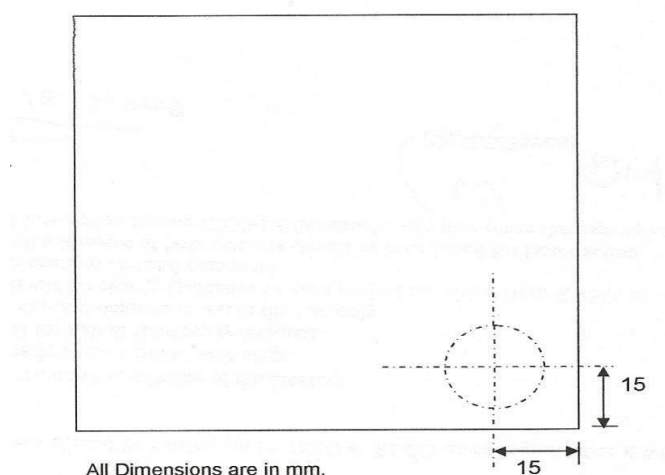


FIG.1- LOCATION OF TEST SAMPLES FOR CHEMICAL AND MECHANICAL TESTING

TABLE 1: CHEMICAL COMPOSITION

Element	%age
Carbon	0.40 - 0.50
Silicon	0.15 - 0.35
Manganese	0.60 - 0.90
Sulphur	0.04max.
Phosphorus	0.04max.

The permissible deviation in check analysis from the specified composition limit given in Table 1 above shall be as given below-

Element	Permissible variation percent (Max)
Carbon	± 0.03
Silicon	± 0.03
Manganese	± 0.04
Sulphur	+0.005
Phosphorus	+0.005

TABLE 2: MECHANICAL PROPERTIES

Ultimate Tensile Strength (Min.)	620 MPa
Yield Strength (Min.)	320 MPa
% age Elongation (Min.)	15
Hardness (HB) (min.)	175
Grain size as per IS:4748-2009	6 or Finer

5. ROLLING AND HEAT TREATMENT

- 5.1** The billets/blooms shall be suitably soaked above 950°C for appropriate period and subjected to hot rolling in the rolling mill to achieve the required shape and size of fishplate bars. The rolled fishplate bars shall be cooled in draught free environment till the temperature reaches below 300°C.
- 5.2** The fishplate bars shall be subjected to normalizing heat treatment at a temperature of 830°C-860°C for a suitable period followed by cooling in air.
- 5.3** Such fishplate bars which are required to be subjected to hot forming operations and hot punching of holes for which reheating in furnace is required, shall again be subjected to normalizing heat treatment at 830°C-860°C followed by cooling in air. The normalizing is to be done before machining.

6. MANUFACTURING OPERATIONS

- 6.1** The requisite operations for manufacture of fishplate such as drilling of holes, machining, chamfering of drilled holes shall be carried out to produce the finished fishplates/fishplate combination as per the relevant drawing.
- 6.2** For Combination fishplates, the top and bottom fishing angles of these fishplates will be left in the as drop-forged or machined condition subject to compliance with Clause 10 of this Specification. If the fishplates are, however, manufactured by hand forging, under special permission of the Purchaser or the Inspecting Officer, the bearing surfaces shall be machined. The four corners of the fishplates will be rounded off after cutting to a radius of mentioned in the relevant approved drawings.

Holes are not to be punched but must be drilled. The holes shall be clean without burrs on either side, accurate in pitch and in the positions as specified. The bolt holes in the fishplates shall be chamfered before offering fishplates for inspection.

7. MECHANICAL AND METALLURGICAL PROPERTIES OF FISHPLATE BARS/FISHPLATES

- 7.1 Tensile Test:** The tensile strength, yield strength and elongation shall be conducted on test pieces prepared from fishplates selected randomly from the lot and testing shall be done as per IS:1608 (Part-1):2018. The test results of tensile strength, yield strength and % age elongation in respect of each tested sample should comply the following requirements. The sample for tensile test shall be taken from location as marked in Annexure-B.

Tensile Strength (Min.) - 620 MPa

Yield Strength (Min.) - 320 MPa

Percentage Elongation (Min.) -15%

- 7.2 Bend Test:** The finished fishplates when cold shall be capable of being bent between the bolt holes without fracturing or showing any signs of crack on the outside when observed visually and by dye penetration test through 120° in such a manner that internal radius of the bend shall not exceed twice the thickness of fishplates at the center. Bend Test procedure shall be followed as stipulated in IS 1599:2019.

For combination fishplates, the inequalities of the finished section shall be machined down so as to obtain a uniform section. The bending shall be carried out so that the original forged surface is subjected to tension.

For joggled fishplates, the bend test is not required to be carried out due to peculiarity of design.

- 7.3 Hardness Test:** Hardness test shall be carried out in accordance with IS:1500 - (Part-1): 2019. The test shall be performed on central portion of outer surface of the fishplate. The hardness values on the test samples shall be 175 HB (min.). The hardness test being non-destructive in nature, the fishplates used for testing and meeting the requirement of this test can be included in the lot for acceptance provided these fishplates meet other requirements of specification.

7.4 Macrostructure: The macrostructure of the steel on the etched transverse section when examined in accordance with IS: 11371-1985 shall be free from harmful shrinkage, porosity, blow holes, laminations, cracks, non-metallic inclusions, cavities, dendrites etc.

7.5 Grain Size: The grain size of the steel tested in accordance with IS: 4748 2009 shall be 6 or finer.

7.6 Lot and Sample size for conducting above mentioned tests shall be as per clause 15.

8. FISHPLATES TO CONFORM TO TEMPLATES

Each section of fishplates shall be accurately rolled to its respective profile. The manufacturer shall prepare two sets of profile and nipple gauges as per standard RDSO drawing for fishplates, made up of stainless steel for each section of fishplates ordered for testing the accuracy of the fishing planes and the bolt holes. Nipple gauges shall be accurately planed to represent the fishing of the rail with which the fishplates are to be used and fitted with suitable studs for testing the accuracy of the bolt holes. All gauges along with their drawings shall be prepared by the fishplate manufacturers and approved by the RDSO prior to use. Every fishplate shall be checked with respective gauges before offering the fishplates to Inspecting Authority for inspection and any fishplate which fails shall be rejected.

9. SAWING TO LENGTH

All fishplates shall be sawn within the tolerances mentioned at Clause 12. The specified length shall be ensured and the ends shall be square. All burrs caused by the saw shall be removed.

10. FREEDOM FROM DEFECTS

All fishplates shall be of uniform section throughout, straight and smooth on all bearing surfaces, sound and free from twist, blisters, flaws, fins, cracks and any other defect.

11. HOLES IN FISHPLATES

11.1 The bolt holes in the fishplates (other than fishplate combination) shall be either drilled or hot punched as specified by the Purchaser. If the holes are to be drilled, the fishplates shall be made perfectly straight along the lines of fishing, for the full length of the fishplate before drilling is commenced. If the holes are to be punched, the punching of all holes shall be done at one stroke of the machine before the fishplates have cooled to below a red heat from the rolling temperature and the fishplates shall then, whilst still hot, be straightened by gradual pressure between blocks of full length of the fishplate.

11.2 In case of fishplate combination holes shall be drilled and punched as mentioned in clause 6 above.

- 11.3** The bolt holes in the fishplates shall be chamfered to remove the sharpness of edges of bolt holes.

12. TOLERANCES

12.1 Fishplates (except joggled fishplates and fishplates combination) –The following dimensional tolerances shall be permitted: -

- (a) Fishplate holes- The hole shall be clean and without burrs on either side. The diameter and the position of the holes shall be in accordance with those shown on the plan subject to the following tolerances: -
 - (i) Diameter of the hole: (+) 0.8mm / (-) 0.0 mm
 - (ii) Position of the holes- The distance between the centre of any hole with respect to the centre of any of the remaining holes shall not vary by more than ± 0.4 mm (± 0.6 mm for 1.0/0.95 meter long fishplate) from the exact dimension either horizontally or vertically.
- (b) Overall length: (\pm) 2.0mm
- (c) Thickness: (+) 1.5mm/(-) 1.0 mm
- (d) Height: (\pm) 0.5 mm
(The height of the fishplate is to be checked along a vertical line which passes through the centre point of the upper fishing surface of the fishplate)
- (e) Straightness
 - (i) Horizontal: 0.16 mm per 100 mm of length
 - (ii) Vertical: 0.10 mm per 100 mm of length
(Centre should not be lower than the ends)
- (f) End Squareness: (\pm) 2 mm
- (g) Permissible Variation in Weight– A variation of 2% above or below the nominal weight (after holing) will be allowed but the nominal weight will be paid for.

12.2 Joggled fishplates–The following dimensional tolerances shall be permitted:-

- (a) Fishplate holes- The hole shall be clean and without burrs on either side. The diameter and the position of the holes shall be in accordance with those shown on the plan subject to the following tolerances:-
 - (i) Diameter of the hole: (+) 2.0mm /(-) 0.0 mm
 - (ii) Position of the holes- The distance between centre of any hole with respect to the centre of any of the remaining holes shall not vary by more than (\pm) 2mm from the exact dimension either horizontally or vertically.
- (b) Overall length: (+) 6.0 mm/ (-) 2.0 mm

(c)

Items	Fishplate bar	Fishplate
Thickness	(+) 2.5 mm/(-) 0.5 mm	(+) 2.0 mm/(-) 1.0 mm
height	(+) 0.6 mm/(-) 0.4 mm	(±) 0.5 mm

(The height of the fishplate is to be checked along a vertical line which passes through the centre point of the upper fishing surface of the fishplate.)

(d) Straightness

- (i) Horizontal: 0.16 mm per 100mm of length
- (ii) Vertical: 0.15 mm per 100 mm of length
(Centre should not be lower than the ends)

(e) End Squareness: (±) 2.0 mm

(f) Other tolerances:

- (i) Slot for clamp: (±) 0.5 mm along length
(±) 0.2 mm along width
- (ii) Radius of collar bend: (±) 1.5 mm
- (iii) Top notch (machined): (+) 0.5 mm
- (iv) Bottom notch (machined): (+) 0.5 mm

(g) Permissible Variation in weight: A variation of 2% above or below the nominal weight (after holing) will be allowed but the nominal weight will be paid for.

12.3 Fishplate combination– The following dimensional tolerances shall be permitted:

(a) Fishplate holes- The hole shall be clean and without burrs on either side. The diameter of the hole shall be in accordance with those shown in the plan subject to the following tolerances :-

Diameter of holes: (+) 1.00 mm
(-) 0.00 mm

(b) Overall length: (±) 2.0 mm

(c) Between surfaces of fishing
Planes of fishplates: (+) 0.4 mm
(-) 0.00 mm

(d) Thickness: (+) 2.0mm
(-) 0.8mm

(e) Height: (±) 0.5mm
(The height of the fishplate is to be checked along a vertical line which passes through the centre point of the upper fishing surface of the fishplate)

(f) Straightness

- (i) Horizontal: 0.16 mm per 100 mm of length
- (ii) Vertical: 0.10 mm per 100mm of length

(g) End Squareness: (\pm) 2 mm

(h) Permissible Variation in Weight: A variation of 5% above and 2% below the nominal weight (after holing) will be allowed but the nominal weight will be paid for.

12.4 Nominal Weight- The nominal weight of fishplates is mentioned on their approved drawings. Wherever, the nominal weight is not available, it shall be considered as being the average weight of 100 parts manufactured to the dimensions given in the approved drawing till such times the same is made available.

13. CHECKING OF DIMENSIONS

13.1 The inspecting official will have every fishplate checked on an approved nipple gauge for correctness of bolt holes. The sample size for dimension check shall be as per clause 15. For combination fishplates, every fishplate shall be checked for all dimensional tolerance.

13.2 In addition to it, 3 percent of the pairs of fishplates shall be bolted to the two specified rail sections to check the fit. The 'fit' of fishplates shall be tested by attempts to insert small feeler gauges of size not exceeding 0.5mm between fishing angles of fishplates and rails.

14. MARKING

14.1 Fishplate bars- Every fishplate bar shall be legibly marked with the firm's initials as approved by RDSO, the two digits of the month and last two digits of the year of manufacture of the fishplate bar and heat no. etc. below-

FI-XX-YY-DN-RS-ZZ

- FI = Firm's initials
- XX = Two digits of the month of manufacture
- YY = Two digits of the year of manufacture
- *DN = Drawing Nos.
- RS = Rail Section
- ZZ = Heat No.

These markings except heat no. of letters/digits shall be rolled at least 15mm in height and 1mm above the surface at the bottom of non-fishing side of fishplate bar at the spacing not exceeding 400mm centre to centre of the identification mark so that each fishplate contains complete identification mark when manufactured. The heat no. can be hot stamped.

*Note- DN- In case the same profile of fishplate bar is used for number of fishplate drawings; it is permitted to mention all respective drawing numbers.

14.2 Fishplates - The fishplates shall also be legibly marked with the initial of the firm manufacturing fishplates as approved by RDSO and the two digits of the months and last two digits of the year of manufacture of fishplate and such

other marks as may be specified by the purchaser or shown on the drawings at one end of non-fishing side of fishplate by punching letter/digits of size not less than 15mm in height without causing any damage to fishplate. All marking must be clear of nuts and bolts holes.

14.3 Fishplate combination - Each set of combination fishplates shall consist of four fishplates namely: -

OL	Signifying Outside Left
IL	Signifying Inside Left
IR	Signifying Inside Right
OR	Signifying Outside Right

NOTE – R.H. and L.H. are defined as follows:-

With rails of unequal weights – Face the heavier section.

With rails of equal weights – Face the deeper type of rail, or if both rails are of equal depth, the more modern section.

The above initials are to be stamped on the outside of each plate in 12.0 mm letters in addition to other details as indicated in Clause 14.2 above.

All markings must be clear off nuts and bolt holes, and shall not be permitted on the top slopes of IL or IR fishplates as these slopes may be exposed to wheel flanges.

15. LOT SAMPLING AND INSPECTION

15.1 Fishplate bars:- For the purpose of inspection of fishplate bars, 20 MT or bars rolled from one heat of billet/blooms shall be taken as one lot. Number of samples to be tested per lot shall be as per Table-3. The dimensional check shall include only relevant dimensions such as check of profile, thickness, straightness and height of fishplate bars.

15.2 Fishplates:- For the purpose of inspection of fishplates, 1000 numbers fishplates (500 nos. in case of joggled fishplates) of the same drawing or part thereof rolled from one cast and normalized together shall constitute a lot. The number of samples per lot to be randomly drawn from this lot for visual, dimensional, metallurgical and mechanical testing shall be as per Table-3.

15.3 Sample Size:

Table 3

S.N.	Inspection Activity	Number of Samples per lot	Requirement
1	Visual Examination	100%	As per clause 10
2	(a) Correctness of bolt holes	100%	As per clause 12
	(b) Dimensions and weight	20% of Fishplates/bars selected at random except combination fishplates where it is 100%	As per clause 12 & 15.1
3	Fitment Checks	3%	As per clause 13.2
4	Chemical Composition	2	As per clause 4

5	Tensile Strength, Yield Strength & % age Elongation	2	As per clause 7.1
6	Bend Test	2	As per clause 7.2
7	Hardness	3%	As per clause 7.3
8	Macrostructure	1	As per clause 7.4
9	Grain Size	1	As per clause 7.5

16. RE TESTS

1. Visual examination and dimensional checks: (Sl No. 1 & 2 of Table 3) All fishplates/ fishplate bars not meeting the requirement shall be rejected.

2. Other tests: (Sl No. 3 to 9 of Table 3)

All samples should pass in the test parameters. If any sample fails to meet the specified requirements, the additional samples of double the sample size shall be drawn from the same lot and tested for those test parameters in which the earlier samples had failed. During re-testing, all samples should pass the relevant tests and if any sample fails in any test parameter, the whole lot shall stand rejected.

17. INSPECTION

17.1 The Inspecting Officer or the Purchaser shall have free access to Contractor's works at all reasonable times. He shall be at liberty to inspect the manufacturing at any stage and to reject a material or supplies that fail to conform to the terms of this Specification.

17.2 The quantity/number of fishplate bar/ fishplates rolled in each shift, with the cast numbers, the date rolled and the shift shall be registered in a book and a true copy of the same shall be given to the Inspecting Officer. Before the fishplate bar/ fishplates are submitted to the Inspecting Officer for inspection, the manufacturer shall have got them internally examined and all fishplate bars/fishplates which are defective shall be placed in a separate stack.

17.3 After inspection every accepted fishplate bar/fishplate shall be stamped with the Inspecting Officer's stamp at one end in the presence of Inspecting Officer. Rejected fishplates shall be identified as detailed in Clause 18.

18. REJECTION

18.1 Any of the fishplates which fail to comply with the requirements of this specification shall be rejected. All rejected fishplates/bars shall be cut by the manufacturer by Oxy-acetylene flame to a length of less than minimum length of fishplate to the satisfaction of inspecting official.

19. TESTING FACILITIES

19.1 The manufacturer shall at his own expense, supply all templates and gauges, furnish and prepare samples of steel, sample fishplates and supply all labour and appliances for such testing as may be carried out in his own premises in accordance with this specification.

- 19.2 For combination fishplate-** The manufacturer shall provide at his own expense a short piece of each section of rail, not less than 460mm long correct to templates. The manufacturer must prepare a suitable piece, machined at top and sides of head and on all fishing faces to the standard templates. He shall make at his own expense all the working gauges called for by the inspecting official. One such working gauge shall be the nipple gauge referred to in clause 13.

20. PROTECTION AND BUNDLING

After the fishplates have been inspected and approved, they shall be dipped into hot boiled linseed oil to IS: 77-1976 or with any other approved rust preventive compound, and when dry shall be tied up in bundles of four with steel wire not less than 5mm in diameter, if they are required to be dispatched in less than full wagon/truck load. If they are being dispatched in full wagon/truck load, the fishplates may not be bundled.

- 21.** All the provisions contained in RDSO's ISO procedures laid down in Document No. QO-D-8.1-11 dated 04.12.2020 (titled "Vendor-Changes in approved status") and subsequent versions/amendments thereof, shall be binding and applicable on the successful vendor/vendor in the contracts floated by Railways to maintain quality of Products supplied to Railways.

PUBLICATION(S) REFERRED TO-

1. IS 1875:1992 Carbon steel billets, blooms, slabs and bars for forgings- Specification
2. IS 228:1987 Methods of chemical analysis of steels
3. IS 1608(Part-1):2018 Metallic Materials-Tensile testing
4. IS 4748: 2009 Steels-micrographic determination of the apparent grain size
5. IS 1500(Part-1):2019 Methods for Brinell hardness test for metallic materials
6. IS 77: 1976 Linseed oil, boiled, paints
7. IS 11371: 1985 Method of macroetch test for wrought steel products
8. IRS T-12: 2009 Indian Railway Standard Specification for flat bottom rails
9. BS 47:Part 1: 1991 Fishplates for railway rails. Specification for rolled steel fishplates
10. UIC 864-4 Technical Specification for the supply of fishplates or sections for fishplates made of rolled steel
11. IS 1599: 2019 Metallic Materials-Bend Test

MASTER LIST OF FISHPLATE DRAWINGS (Drawings with latest alterations only shall be considered)			
S.NO.	DRG. NO.	ALT:	NAME / DESCRIPTION
1	T-090(M)	6	FISHPLATE FOR 52Kg RAIL.
2	T-10049	6	FISHPLATE FOR 52Kg. RAIL – ELECTRIFIED SECTION
3	RDSO/T-1898	4	FISHPLATE FOR 60Kg (UIC) RAIL.
4	RDSO/T-2434	2	FISHPLATE FOR 60Kg (UIC). (ELECTRIFIED SECTION) 686mm LONG.
5	RDSO/T-5915	NIL	FISHPLATE FOR 52Kg RAIL (1 meter long)
6	RDSO/T-5916	NIL	FISHPLATE FOR 60Kg UIC RAIL (1meter long)
7	RDSO/T-3714	NIL	1.1 meter LONG FISHPLATE FOR CLAMPING FRACTURED 60Kg UIC RAIL AND 52Kg RAIL.
8	RDSO/T-62	NIL	FISHPLATE AND CLAMPS FOR EMERGENCY USE INRAIL FRACTURES FOR 52Kg.
9	RDSO/T-66	NIL	FISHPLATE FOR EMERGENCY USE IN RAIL FRACTURES FOR 52Kg.
10	T-059(M)	4	FISHPLATE FOR BS N0. 90R.
11	T-10056	1	FISHPLATE FOR BS N0. 90R (ELECTRIFIED SECTION).
12	T-1(M)	2	FISHPLATE 610mm long FOR BS N0. 90R RAIL.
13	T-10063	NIL	FISHPLATE FOR BS N0. 90R RAIL TO BE USED ON ELECTRIFIED SECTION.
14	T-2(M)	3	ALTERNATIVE FISHPLATE FOR BS N0. 90R.
15	T-060(M)	3	FISHPLATE FOR BS N0. 75R RAIL.
16	T-10057	1	FISHPLATE FOR BS N0. 75R(ELECTRIFIED SECTION)
17	T-061(M)	2	FISHPLATE FOR BS N0. 60R RAIL
18	RDSO/T-5850 TO 5851	NIL	1 meter LONG GROOVED FISHPLATES FOR USE WITH FRACTURED RAIL FOR 52Kg & 60Kg (UIC).
19	T-10349	NIL	FISHPLATE INNER FOR EXPANSION JOINT B.G. FOR 52Kg FOR PLATE GIRDER BRIDGES.
20	T-10352	NIL	FISHPLATE FOR EXPANSION JOINT- CANTED RAIL B.G. FOR 52Kg FOR GIRDER BRIDGES.
21	T-10353	NIL	FISHPLATE FOR EXPANSION JOINT -VERTICAL RAIL B.G. FOR 52Kg FOR GIRDER BRIDGES
22	T-10354	NIL	FISHPLATE INNER FOR EXPANSION JOINT B.G. FOR52Kg FOR GIRDER BRIDGES.
23	T-10394	NIL	FISHPLATE FOR EXPANSION JOINT - VERTICAL RAILS B.G. FOR B.S.No.90R ON PLATE GIRDER BRIDGES.
24	T-10395	NIL	FISHPLATE FOR EXPANSION JOINT -CANTED RAILS B.G. FOR B.S.No.90R ON PLATE GIRDER BRIDGES.
25	T-10396	NIL	FISHPLATE INNER FOR EXPANSION JOINT B.G. FORBS No. 90R ON PLATE GIRDER BRIDGES.

JP-EN-Joggled-Fish Plate

26	T-10399	NIL	FISHPLATE FOR EXPANSION JOINT- VERTICAL RAIL B.G. FOR BS NO.90R. ON GIRDER BRIDGES.
27	T-10400	NIL	FISHPLATE FOR EXPANSION JOINT - CANTED RAILS B.G. FOR B.S.No.90R ON GIRDER BRIDGES.
28	T-10357	NIL	FISHPLATE FOR EXPANSION JOINT - CANTED RAILS M.G. FOR B.S.No.60R FOR PLATE GIRDER BRIDGES.
29	T-10358	NIL	FISHPLATE FOR EXPANSION JOINT - VERTICAL RAILMG FOR B.S.No.60R FOR PLATE GIRDER BRIDGES.
30	T-10359	NIL	FISHPLATE INNER FOR EXPANSION JOINT M.G. FORBS No.60R FOR PLATE GIRDER BRIDGES.
31	T-10362	NIL	FISHPLATE FOR EXPANSION JOINT - CANTED RAILS M.G. FOR BS.No.60R FOR GIRDER BRIDGES.
32	T-10363	NIL	FISHPLATE FOR EXPANSION JOINT VERTICAL RAILS M.G. FOR BS No. 60R FOR GIRDER BRIDGES.
33	T-10364	NIL	FISHPLATE INNER FOR EXPANSION JOINT M.G. FORBS No 60R FOR GIRDER BRIDGES
34	T-10401	NIL	FISHPLATE INNER FOR EXPANSION JOINT B.G.FOR BS No.90R ON GIRDER BRIDGES.
35	T-10448	NIL	FISHPLATE FOR EXPANSION JOINT CANTED RAILS M.G. FOR BS No. 75R FOR PLATE GIRDER BRIDGES.
36	T-10449	NIL	FISHPLATE FOR EXPANSION JOINT VERTICAL RAILS M.G . FOR BS No.75R FOR PLATE GIRDER BRIDGES.
37	T-10450	NIL	FISHPLATE INNER FOR EXPANSION JOINT M.G. FORBS No.75R FOR PLATE GIRDER BRIDGES.
38	T-10453	NIL	FISHPLATE FOR EXPANSION JOINT CANTED RAILS M.G. FOR BS No.75R FOR GIRDER BRIDGES.
39	T-10454	NIL	FISHPLATE FOR EXPANSION JOINT VERTICAL RAILS M.G. FOR BS NO.75R FOR GIRDER BRIDGES.
40	T-10455	NIL	FISHPLATE INNER FOR EXPANSION JOINT M.G. FORBS No.75R FOR GIRDER BRIDGES.
41	T-10347	NIL	FISHPLATE FOR EXPANSION JOINT CANTED RAILS B.G. FOR 52Kg FOR PLATE GIRDER BRIDGE.
42	T-10348	NIL	FISHPLATE FOR EXPANSION JOINT VERTICAL RAILS B.G. FOR 52Kg FOR PLATE GIRDER BRIDGE.
43	RDSO/T-3320	NIL	FISHPLATE FOR 1 IN 5 CMS ACUTE CROSSING B.G. FOR 60KgUIC (FOR SCISSORS).
44	T-10050	1	BENT FISHPLATE FOR 1 IN 20 LEFT TURNOUT B.G.FOR BS.No.90R.
45	T-10052	NIL	BENT FISH PLATE FOR 1 IN 16 LEFT TURNOUT M.G. FOR BS No.60R.
46	T-10053	NIL	BENT FISHPLATE FOR 1 IN 16 LEFT TURNOUT B.G.FOR 52Kg.
47	T-10054	NIL	BENT FISHPLATE FOR 1 IN 16 LEFT TURNOUT M.G. FOR BS No.75R.
48	T-10055	NIL	FISHPLATE FOR USE WITH PIVOT BLOCK OF LEFTSPRING CROSSING B.G. FOR BS.No.90R.
49	T-10058	NIL	FISHPLATE FOR USE WITH PIVOT BLOCK OF RIGHT-SPRING CROSSING B.G. FOR B.S. NO.90R.
50	T-10059	NIL	FISHPLATE FOR USE WITH PIVOT BLOCK OF LEFTSPRING CROSSING M.G. FOR BS.No.75R.
51	T-10060	NIL	FISHPLATE FOR USE WITH PIVOT BLOCK OF RIGHT-SPRING CROSSING M.G. FOR BS NO. 75R.

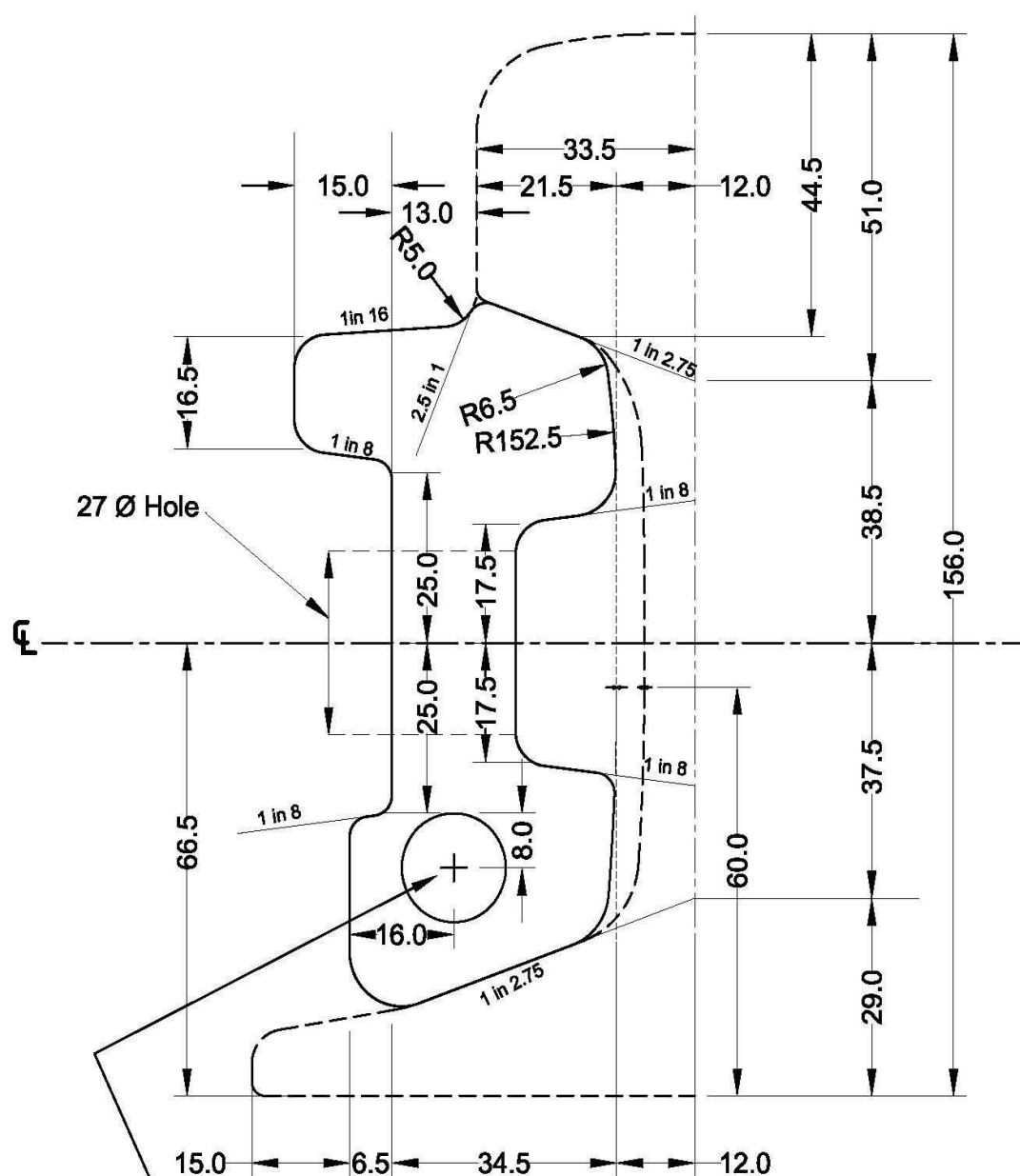
JP-EN-Joggled-Fish Plate

52	T-10061	NIL	FISHPLATE FOR USE WITH PIVOT BLOCK OF LEFT- SPRING CROSSING B.G. FOR 52Kg.(1IN 12 LEFTSPRING CROSSING B.G.FOR 52Kg).
53	T-10062	NIL	FISHPLATE FOR USE WITH PIVOT BLOCK OF LEFT-SPRING CROSSING B.G. FOR 52Kg. (1IN8.5 LEFT SPRING XING B.G. FOR 52Kg).
54	RDSO/T-303	NIL	BENT FISHPLATE LEFT
55	RDSO/T-304	NIL	BENT FISH PLATE RIGHT
56	RDSO/T-696-699	1	FISHPLATE COMBINATION FOR 60Kg (UIC) AND 52Kg.
57	RDSO/T-2792-2793	NIL	COMBINATION FISHPLATES FOR 52 Kg AND BS No. 90R RAIL WITH HOLES FOR 610mm LONG FISHPLATES.
58	RDSO/T-178-181	1	FISHPLATE COMBINATION FOR 65 Kg AND 52 Kg
59	RDSO/T-5206-5207	1	FISHPLATE COMBINATION FOR THICK WEB RAIL (CR-100) & 52 Kg.
60	T-10559-60	NIL	FISHPLATE COMBINATION FOR BS Nos. 90R & 90
61	T-10561-62	NIL	FISHPLATE COMBINATION FOR BS Nos. 75R & 75.
62	T-10563-64	NIL	FISHPLATE COMBINATION FOR BS Nos. 60R & 60.
63	T-10565-68	NIL	FISHPLATE COMBINATION FOR BS Nos. 90R & 75.
64	T-10491-94	NIL	FISHPLATE COMBINATION FOR BS Nos. 90R & 75R.
65	T-10495-98	NIL	FISHPLATE COMBINATION FOR BS Nos. 75R & 60R.
66	T-10499-10502	NIL	FISHPLATE COMBINATION FOR BS Nos. 60R & 50R.
67	RDSO/T-1439-1442	NIL	FISHPLATE COMBINATION FOR BS Nos. 115 AND 90R.
68	RDSO/T-5848	1	JOGGLED FISHPLATES FOR USE ON WELDED JOINTFOR B.G. 52 Kg.
69	RDSO/T-5849	1	JOGGLED FISHPLATES FOR USE ON WELDED JOINTFOR B.G. 60 Kg.
70	RDSO/T-6594TO - 6597	1	COMBINATION JOGGLED FISHPLATES FOR 60 Kg(UIC)/ 52 Kg RAILS WITH C.I. BLOCK FOR B.G.
71	RDSO/T-5551	NIL	JOGGLED FISHPLATES AND CLAMPS FOR RAIL– FRACTURE B.G. FOR 52 Kg.
72	EDO/T-2242 & 2243	NIL	JOGGLED FISHPLATES FOR 75mm WIDE GAP A.T.WELD FOR 52 Kg WITH C.I. BLOCK.
73	EDO/T-2246 & 2247	2	JOGGLED FISHPLATES FOR 75mm WIDE GAP A.T.WELD FOR 60 Kg (UIC) WITH C.I. BLOCK.
74	RDSO/T-671	12	FISHPLATES OF GLUED INSULATED RAIL JOINT FOR B.G. 52Kg G3 (L). (06 BOLTS, END POST THICKNESS 6mm).
75	RDSO/T-2572	3	FISHPLATES OF GLUED INSULATED RAIL JOINT FOR B.G. 60Kg (UIC)- G3(L) . (06 BOLTS, END POSTTHICKNESS 6mm).
76	RDSO/T-1259	7	FISHPLATES OF GLUED INSULATED RAIL JOINT WITH 06mm THICK - END POST FOR B.G.52Kg G3(S)-TYPE (04 BOLTS).
77	RDSO/T-2576	2	FISHPLATES OF GLUED INSULATED RAIL JOINT WITH 06mm THICK - END POST FOR B.G.60Kg (UIC) G3(S)TYPE (04 BOLTS).

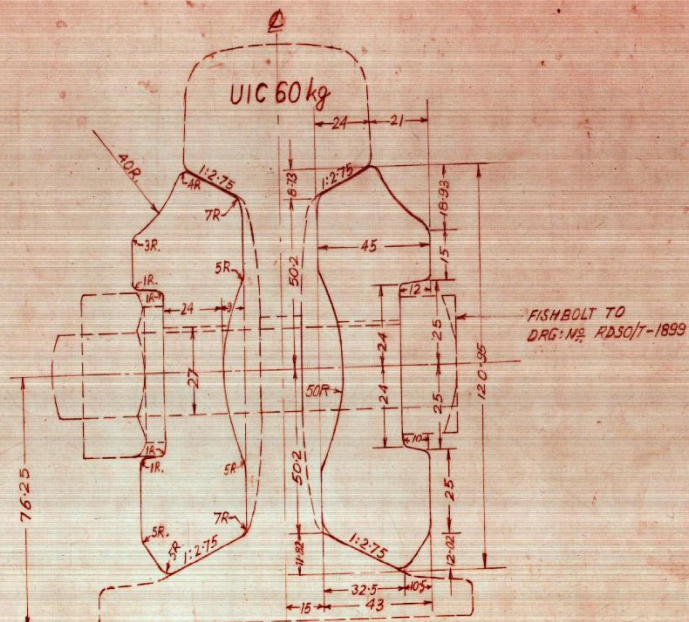
JP-EN-Joggled-Fish Plate

78	RDSO/T-5361	2	FISHPLATES OF GLUED INSULATED RAIL JOINT WITH 10mm THICK -END POST FOR B.G.52Kg G3(L)-TYPE (06 BOLTS).
79	RDSO/T-5843	1	FISHPLATES OF GLUED INSULATED RAIL JOINT WITH 10mm THICK - END POST FOR B.G.60Kg (UIC) G3(L)TYPE (06 BOLTS).
80	RDSO/T-1283	5	FISHPLATES OF GLUED INSULATED RAIL JOINT FOR M.G. BS. No. 75R- G3 (L) TYPE (06 BOLTS, END POST THICKNESS 6mm).
81	RDSO/T-3008	2	FISHPLATES OF GLUED INSULATED RAIL JOINT FOR 75R- G3 (S)-TYPE. (04 BOLTS, END POST THICKNESS 06mm).
82	RDSO/T-1276	5	FISHPLATES OF GLUED INSULATED RAIL JOINT FOR 90R- G3(L)-TYPE. (06 BOLTS, END POST THICKNESS 6mm).
83	RDSO/T-1278	5	FISHPLATES OF GLUED INSULATED RAIL JOINT FOR 90R- G3 (S)-TYPE. (04 BOLTS, END POST THICKNESS 06mm).

Annexure-B, No. T-1: 2021



**LOCATION FOR TAKING SAMPLE FOR TENSILE TEST OFFSET
MAY BE KEPT SAME FOR DIFFERENT FISH PLATE SECTION**



NOTE

IRS. TI.

SPECIFICATION

MILLIMETRES.

A number line with major tick marks at 0, 20, 40, 60, and 80. A point is marked with a dot at the 20 position.

SCALE

[illegible]

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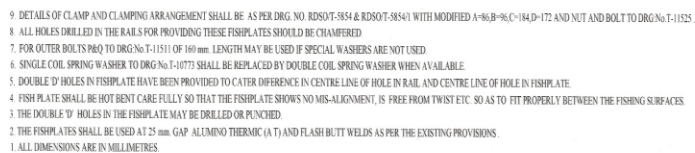
R. D. S. O.


FISHPLATE FOR UIC 60 kg
RAIL (1METRE LONG)

STAND:
CANCELED:
REV:

ADVANCE (T)
25-9-98

DATE	RD.50/T-5916
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		RS 2662:1992 IRS T-1-2012		1 REVISED AND REDRAWN	
SPECIFICATION		SCALE		ALT:	DESCRIPTION

JOGGLED FISHPLATES
FOR USE ON WELDED
JOINT FOR B.G. 60Kg.(UIC).

RDSO/T-584

END OF DOCUMENT