

NORTHERN RAILWAY

TOP SHEET

1 DETAILS TO BE FILLED IN BY RAILWAY:

Tender No.	289-Mech-CWUpLaundryLKO26
Full Name of work	“Setting up of Infrastructure for Linen Management Facilities at LKO Coaching Depot NR.”
Type of E-Tender	Open
Approx. Cost	Rs. 6,43,35,024.10 (Rupees Six Crore Forty-Three Lakh Thirty-Five Thousand Twenty-Four and Paise Ten Only).
Completion period	120 Days from the date of handing over of clear site to the contractor by the Railways.
Earnest money amount	Rs. 12,86,700.00 (Rupees Twelve Lakh Eighty-Six Thousand Seven Hundred Only).
Last Date/Time of receipt of tenders	15:00 hrs. of 06.07.2026
Date & Time of opening of tender	15:30 hrs. of 06.07.2026
Cost of E-Tender Form	Free

2 MANDATORY DETAILS TO BE FILLED IN BY TENDERER WHILE SUBMITTING THEIR OFFER:

1	Constitution of the Firm/concern. (Tick as applicable)	Sole Proprietorship/Partnership Firm/ Company/Society
2	Full name of Sole Proprietorship/Partnership firm/Company/Society (as the case may be)	
3	Year of formation/incorporation	
4	PAN No.	
5	Registered Office Address & Contact No.	
6	Address on which correspondence regarding this E-tender should be done and mobile phone no. for contact.	
7	Name of the proprietor/partners members etc.	
8	Details of EMD submitted	
9	Details of Tender Fee submitted	
10	Contact/mobile no	
11	Fax no & email id	

Note: (i) Special attention of tenderer is drawn to clause of “Spl. tender condition & instruction to tenderer”, as per which the tenderer must submit along with tender, the documents mentioned therein pertaining to constitution of firm/concern.

(ii) Special attention of tenderer is drawn to “Spl. tender condition & instruction to tenderer”, as per which they should submit the requisite documents along with tender pertaining to their technical & financial eligibility.

3 CONSTITUTION OF FIRM:

1	Constitution of the Firm/concern. (Tick as applicable)	Sole Prop/Partnership Firm/Company/Society
2	Full name of firm/Company/Society	
3	Year of formation/incorporation	
4	PAN No.	
5	Registered Office Address	
6	Address on which correspondence regarding this tender should be done.	
7	Names of the proprietor/partners/Members etc.	

We have uploaded along with the tender, all the requisite documents pertaining to the constitution of the firm/concern/company etc., as specified in clause **14.** of “General Condition of Contract (Works) –April-2022”. I/we understand that in the absence of these documents, our tender shall be treated as having been submitted by the individual who has signed the tender documents.

INTERPRETATION AND DEFINITION OF TERMS

INTERPRETATION: These Regulations for Tenders and Contracts shall be read in conjunction with the Standard General Conditions of Contract which are referred to herein and shall be subject to modifications additions or suppression by Special Conditions of Contract and/or Special Specifications, if any, annexed to the Tender Forms.

DEFINITION: In these Regulations for Tenders and Contracts the following terms shall have the meanings assigned hereunder except where the context otherwise requires:

- (a) “Railway” shall mean the President of the Republic of India or the administrative officers of the Railway or Successor Railway authorized to deal with any matter, which these presents are concerned on his behalf.
- (b) “General Manager” shall mean the Officer-in-Charge of the general superintendence and control of the Zonal Railway/Production Unit and shall also include Addl. General Manager, General Manager (Construction) and shall mean and include their successors of the Successor Railway.
- (c) “Chief Engineer” shall mean the Officer-in-Charge of the Engineering Department of Railway and shall also include Chief Engineer (Construction), Chief Electrical Engineer, Chief Electrical Engineer (Construction), Chief Signal & Telecom Engineer, Chief Signal & Telecom Engineer (Construction), Chief Mechanical Engineer and shall mean and include their successors of the Successor Railway.
- (d) “Divisional Railway Manager” shall mean the Officer-in-Charge of a Division of Zonal Railway and shall mean and include Divisional Railway Manager of the Successor Railway.
- (e) “Engineer” shall mean the Divisional Engineer or Executive Engineer, Divisional Signal & Telecom Engineer, Divisional Electrical Engineer, Divisional Mechanical Engineer in executive charge of the works and shall include the superior officers, both Open Line and Construction Organisations, of Engineering, Signal & Telecom, Mechanical and Electrical Departments, i.e. the Senior Divisional Engineer/Deputy Chief Engineer, Senior Divisional Signal & Telecom Engineer / Dy. Chief Signal & Telecom Engineer, Senior Divisional Electrical Engineer / Deputy Chief Electrical Engineer, Senior Divisional Mechanical Engineer and shall mean & include the Engineers of the Successor Railway.
- (f) “Tenderer” shall mean the person / firm / co-operative or company whether incorporated or not who tenders for the works with a view to execute the works on contract with the Railway and shall include their representatives, successors and permitted assigns.
- (g) “Limited Tenders” shall mean tenders invited from all or some contractors on the approved or select list of contractors with the Railway.
- (h) “Open Tenders” shall mean the tenders invited in open and public manner and with adequate notice.
- (i) “Works” shall mean the works contemplated in the drawings and schedules set forth in the tender forms and required to be executed according to the specifications.
- (j) “Specifications” shall mean the Specifications for Materials and Works of the Railway as specified under the authority of the Ministry of Railways or Chief Engineer or as amplified, added to or superseded by special specifications if any, appended to the Tender Forms.
- (k) “Schedule of Rates of the Railway” shall mean the Schedule of Rates issued under the authority of the Chief Engineer from time to time.
- (l) “Drawings” shall mean the maps, drawings, plans and tracings, or prints thereof annexed to the Tender Forms.
- (m) “Contractor’s authorized Engineer” shall mean a graduate engineer or equivalent, having more than 3 years’ experience in the relevant field of construction work involved in the contract, duly approved by the Engineer.

- (n) Date of inviting tender shall be the date of publishing tender notice on IREPS website if tender is published on website or the date of publication in newspaper in case tender is not published on website.

Words importing the singular number shall also include the plural and vice versa where the context requires.

2. TENDERS FOR WORKS:

- 2.1 Tender Form:** Tender Forms shall embody the contents of the contract documents either directly or by reference and shall be as per specimen form. **e-Tender Forms shall be issued free of cost to all tenderers.**

- 2.2 Omissions & Discrepancies:** Should a tenderer find discrepancies in or omissions from the drawings or any of the Tender Forms or should he be in doubt as to their meaning, he should at once notify the authority inviting tenders. The tender inviting authority may, if deemed necessary, clarify the same to all tenderers. It shall be understood that every endeavour has been made to avoid any error which can materially affect the basis of tender and successful tenderer shall take upon himself and provide for the risk of any error which may subsequently be discovered and shall make no subsequent claim on account thereof.

2.3 BID SECURITY:

- (1) (a) The tenderer shall be required to submit the Bid Security with the tender for the due performance with the stipulation to keep the offer open till such date as specified in the tender, under the conditions of tender. The Bid Security shall be as under:

Value of the Work	Bid Security
For all works	2% of the estimated cost of the work

- 2.4** The bid must be accompanied by a sum of **Rs. 12,86,700.00 (Rupees Twelve Lakh Eighty-Six Thousand Seven Hundred Only)** as bid security deposit in any of the forms as specified on IREPS/ website, failing which the bid will not be considered.

Note:

- (i) The Bid Security shall be rounded off to the nearest ₹100. This Bid Security shall be applicable for all modes of tendering.
- (ii) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Bid Security detailed above.
- (iii) Labour Cooperative Societies shall submit only 50% of above Bid Security detailed above.
- (b) It shall be understood that the tender documents have been issued to the tenderer and the tenderer is permitted to tender in consideration of stipulation on his part, that after submitting his tender he will not resile from his offer or modify the terms and conditions thereof in a manner not acceptable to the Engineer. Should the tenderer fail to observe or comply with the said stipulation, the aforesaid amount shall be liable to be forfeited to the Railway.
- (c) If his tender is accepted, this Bid Security mentioned in sub-Para (a) above will be retained as part security for the due and faithful fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract. The Bid Security of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation that may happen thereto while in their possession, nor be liable to pay interest thereon.
- (2) The Bid Security shall be deposited either in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per **Annexure-VI** and shall be valid for a period of 90 days beyond the bid validity period.

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

- i. A scanned copy of the Bank Guarantee shall be uploaded on e-Procurement Portal (IREPS) while applying to the tender.
- ii. The original Bank Guarantee should be delivered in person to the official nominated as indicated in the tender document within 5 working days before closing date for submission of bids.
- iii. Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (IREPS) and/or non submission of original Bank Guarantee within the specified period shall lead to summary rejection of bid.
- iv. The Tender Security shall remain valid for a period of 90 days beyond the validity period for the Tender.
- v. The details of the BG, physically submitted should match with the details available in the scanned copy and the data entered during bid submission time, failing which the bid will be rejected
- vi. The Bank Guarantee shall be placed in an envelope, which shall be sealed. The envelope shall clearly bear the identification “**Bid for the ***** Project (Tendered Work)**” and shall clearly indicate the name and address of the Bidder. In addition, the Bid Due Date should be indicated on the right-hand top corner of the envelope.
- vii. The envelope shall be addressed to the officer and address as mentioned in the tender document.
- viii. If the envelope is not sealed and marked as instructed above, the Railway assumes no responsibility for the misplacement or premature opening of the contents of the Bid submitted and consequent losses, if any, suffered by the Bidder.

3. CARE IN SUBMISSION OF TENDERS:

- (i) Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all-inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer.
- (a)(ii) Tenderers will examine the various provisions of The Central Goods and Services Tax Act, 2017(CGST)/ Integrated Goods and Services Tax Act, 2017(IGST)/ Union Territory Goods and Services Tax Act, 2017(UTGST)/ respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/State Govt. & as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.
- (a)(iii) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway 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.
- (a)(iv) In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/ SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.
- (a) When work is tendered for by a firm or company, the tender shall be signed by the individual legally authorized to enter into commitments on their behalf.
- (b) The Railway will not be bound by any power of attorney granted by the tenderer or by changes in the composition of the firm made subsequent to the execution of the contract. It may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor.

- 3.1** The tenderers shall submit a copy of certificate stating that all their statements/documents submitted along with bid are true and factual. Standard format of certificate to be submitted by the bidder is enclosed as **Annexure-VIII**. In addition to Annexure-VIII, in case of other than Company/ Proprietary firm, Annexure VIII-(A) shall also be submitted by each member of a Partnership Firm/Joint venture (JV)/ Hindu Undivided Family (HUF)/ Limited Liability Partnership (LLP) etc. as the case may be. Non submission of above certificate by the bidder shall result in **summarily** rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document.

CONSIDERATION OF TENDERS

- 4. RIGHT OF RAILWAY TO DEAL WITH TENDERS:** The Railway reserves the right of not to invite tenders for any of Railway work or works or to invite open or limited tenders and when tenders are called to accept a tender in whole or in part or reject any tender or all tenders without assigning reasons for any such action.
- 4A.** Provisions of Make in India Policy 2017 issued by Govt. of India, as amended from time to time, shall be followed for consideration of tenders.

CONTRACT DOCUMENTS

- 5. EXECUTION OF CONTRACT DOCUMENT:** The Tenderer whose tender is accepted shall be required to appear in person at the office of General Manager/General Manager (Construction), Chief Administrative Officer (Construction), Divisional Railway Manager or concerned Engineer, as the case may be, or if tenderer is a firm or corporation, a duly authorized representative shall appear and execute the contract agreement within seven days of notice from Railways that the Contract Agreement is ready. The Contract Agreement shall be entered into by Railway only after submission of valid Performance Guarantee by the Contractor. Failure to do so shall constitute a breach of the agreement affected by the acceptance of the tender. In such cases the Railway may determine that such tenderer has abandoned the contract and there upon his tender and acceptance thereof shall be treated as cancelled and the Railway shall be entitled to forfeit the full amount of the Earnest Money and other dues payable to the Contractor under this contract. The failed Contractor shall be debarred from participating in the re-tender for that work.
- 6. FORM OF CONTRACT DOCUMENT:** Every contract shall be complete in respect of the document it shall so constitute. Not less than 2 copies of the contract document shall be signed by the competent authority and the Contractor and one copy given to the Contractor (there would be no need of signing two copies if agreement is signed digitally).

For Zone Contracts, awarded on the basis of the percentage above or below the applicable Schedule of Rates for the whole or part of financial year, the contract agreement required to be executed by the tenderer whose tender is accepted shall be as per specimen form.

Note: A copy of certificate stating that they are not liable to be disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the certificate to be submitted by the bidder is enclosed as **Annexure-VIII**. Non submission of a copy of certificate by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they/he are/is qualifying the Qualifying Criteria mentioned in the Tender Document.

INSTRUCTIONS TO TENDERERS

This tender shall be processed through E-Tendering system. The tenderer shall fill the tender with tender schedule through IREPS's website i.e. www.ireps.gov.in. The same will be closed & opened as date and time mentioned in the tender notice.

Tenderer/s are requested to read the tender form carefully and fill their rates as per instructions given in tender schedule as well as tender document.

The tenderer shall quote his rate as per instructions given in Offer Form (Schedule of Rates).

OFFER SUBMISSION PERIOD:

Fifteen days prior to opening of tender, during which tenderer can submit their offer.

The tenderers shall upload scanned copies of credentials such as experience/completion certificate, contractual payment certificates and any other documents such as PARTNERSHIP DEED, POWER OF ATTORNEY, AFFIDAVIT, PAN, GST as applicable, if there is discrepancy in original and scanned/uploaded instruments, the offer will be summarily rejected.

However, the tender will be closed & opened on date as mentioned in Top Sheet. If, it is declared a holiday due to any reason, the same procedure will be adopted on the next working day. This tender is open for 60 days from the date of opening.

Note:

1. Tender Form is Free of Cost.
2. Tender sets/form shall be provided to the contractor as per the facility available on IREPS).
3. Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of earnest money deposit.

Signature of Tenderer:

Date:

Address:

NORTHERN RAILWAY

Tender No.: 289-Mech-CWUpLaundryLKO26

TENDER FORM (First Sheet)

Tender No. _____

Name of Work _____

To

The President of India

Acting through the _____ Railway

1. I/We _____ have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this tender open for acceptance for a period of 60 days from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my/our "Earnest Money". I/We offer to do the work for above mentioned subject in Railway, at the rates quoted in the attached schedule and hereby bind myself/ourselves to complete the work in all respects within **120 days** from the date of handing over of clear site to the contractor by the Railways.
2. I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Schedule of Rates with all correction slips up-to-date for the present contract.
3. A Bid Security of ₹ _____ has already been deposited online/submitted as Bank Guarantee bond. Full value of the Bid Security shall stand forfeited without prejudice to any other right or remedies in case my/our Tender is accepted and if:
 - (a) I/We do not submit the Performance Guarantee within the time specified in the Tender document;
 - (b) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and
 - (c) I/We do not commence the work within fifteen days after receipt of orders to that effect.
4. (a) I/We am/are a Start-up firm registered by Department of Industrial Policy and Promotion (DIPP) and my registration number is valid upto..... (Copy enclosed) and hence exempted from submission of Bid Security.
5. We are a Labour Cooperative Society and our Registration No. is.....with and hence required to deposit only 50% of Bid Security.
6. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.

Signature of Witnesses: _____ Date _____

(1) _____

(2) _____

Signature of Tenderer(s)

Address of the Tenderer(s)

TENDER FORM (Second Sheet)

1. **INSTRUCTIONS TO TENDERERS AND CONDITIONS OF TENDER:** The following documents form part of Tender / Contract:
 - (i) Tender Forms – First Sheet and Second Sheet
 - (ii) Special Conditions/Specifications (enclosed)
 - (iii) Bill(s) of quantities (enclosed)
 - (iv) Standard General Conditions of Contract and Standard Specifications (Works and Materials) of Indian Railways as amended/corrected upto latest correction slips, copies of which can be seen in the office of _____ or obtained from the office of the Chief Engineer, _____ Railway on payment of prescribed charges.
 - (v) Schedule of Rates as amended / corrected upto latest correction slips, copies of which can be seen in the office of _____ or obtained from the office of the Chief Engineer, _____ Railway on payment of prescribed charges.
2. **DRAWINGS FOR THE WORK:** The drawings are only for the guidance of Tenderer(s). Detailed working drawings (if required) based generally on the drawing mentioned above, will be given by the Engineer or his representative from time to time.
3. The Tenderer(s) shall quote his / their rates as a percentage above or below the Schedule of Rates of _____ Railway as applicable to _____ Division except where he/they are required to quote item rates and must tender for all the items shown in the Schedule of approximate quantities attached. The quantities shown in the attached Schedule are given as a guide and are approximate only and are subject to variation according to the needs of the Railway. The Railway does not guarantee work under each item of the Schedule. The tenderer(s) shall quote rates / rebates only at specified place in Tender Form supplied by Railway. Any revision of rates / rebates submitted (quoted) through a separate letter whether enclosed with the bid (Tender Form) or submitted separately or mentioned elsewhere in the document other than specified place shall be summarily ignored and will not be considered.
4. Tenders containing erasures and / or alterations of tender documents are liable to be rejected. Any correction made by tender(s) in his/their entries must be attested by him / them.
5. The works are required to be completed within a period of _____ months from the date of issue of acceptance letter.
6. **BID SECURITY:**
 - a) The tender must be accompanied by a sum of **Rs. 12,86,700.00 (Rupees Twelve Lakh Eighty-Six Thousand Seven Hundred Only)** as Earnest Money deposited in cash through e-payment gateway or as mentioned in tender documents, failing which the tender shall not be considered. Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Start-ups' shall be exempted from payment of Earnest Money on submission of Registration Certificate issued by appropriate authority.
 - b) The Tenderer(s) shall keep the offer open for a minimum period of 60 days (in case of two packet system of tendering 90 days) from the date of opening of the Tender. It is understood that the tender documents have been issued to the Tenderer(s) and the Tenderer(s), is / are permitted to tender in consideration of the stipulation on his / their part that after submitting his / their tender subject to the period being extended further, if required by mutual agreement from time to time, he will not resile from his offer or modify the terms and conditions thereof in a manner not acceptable to _____ Railway. Should the tenderer fail to observe or comply with the foregoing

stipulation, the amount deposited as Earnest Money for the due performance of the above stipulation, shall be forfeited to the Railway.

- c) If his tender is accepted the Bid Security mentioned in sub clause (a) above will be retained as part security for the due and faithful fulfillment of the contract in terms of Clause-16 of the Standard General Conditions of Contract. The Bid Security of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation to the Earnest Money that may happen thereto while in their possession, nor be liable to pay interest thereon.
 - d) the Bid Security mentioned in sub para(a) above submitted as Bank guarantee bond, will be encashed as part security for the due and faithful fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract.
 - e) In case Contractor submits the Term Deposit Receipt/Bank Guarantee Bond towards full Security Deposit, the Railway shall return the Earnest Money so retained to the Contractor.
7. **RIGHTS OF THE RAILWAY TO DEAL WITH TENDER:** The authority for the acceptance of the tender will rest with the Railway. It shall not be obligatory on the said authority to accept the lowest tender or any other tender, and tenderer(s) shall neither demand any explanation for the cause of rejection of his/ their tender nor the Railway to assign reasons for declining to consider or reject any particular tender or tenders.
8. If the tenderer(s) deliberately gives / give wrong information in his / their tender or creates / create circumstances for the acceptance of his / their tender, the Railway reserves the right to reject such tender at any stage.
9. If the tenderer(s) expire(s) after the submission of his / their tender or after the acceptance of his / their offer, the Railway shall deem such tender cancelled. If a partner of a firm expires after the submission of their tender or after the acceptance of their tender, the Railway shall deem such tender as cancelled, unless the firm retains its character.

10. ELIGIBILITY CRITERIA:

10.1 TECHNICAL ELIGIBILITY CRITERIA:

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

- (i) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or
- (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or
- (iii) One similar work costing not less than the amount equal to 60% of advertised value of the tender.

(b)(1) In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges – substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

- (i) Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or
- (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or
- (iii) One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender.

Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components.

(b)(2) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity.

(b)(3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing.

However, if required in tender documents by way of Special Conditions, a formal agreement duly notarized, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfillment of technical eligibility. Such subcontractor must fulfill technical eligibility criteria as follows:

The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be Subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract.

Note: For subletting of work costing up to Rs 50 lakh, no previous work experience of subcontractor shall be asked for by the Railway.

In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling the requirements as per

clause 7 of the Standard General Conditions of Contract, with prior approval of Chief Engineer in writing.

Note for Item 10.1:

Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.

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

Similar works will mean –

“Supply and commissioning of mechanized laundry equipment for mechanized laundry in India for Railways, three star or higher rated hotels, laundries catering to Air lines. Industries of National/ International repute, government recognized institutions or minimum 50 bedded Hospitals. The mechanized laundry equipment supplied should necessarily include an industrial washer cum extractor of minimum 40 kg capacity, tumbler dryer and flat work ironer (Calendaring Machine)”.

10.2 FINANCIAL ELIGIBILITY CRITERIA: The tenderer must have minimum average annual contractual turnover of V/N or ‘V’ whichever is less; where

V= Advertised value of the tender in crores of Rupees

N= Number of years prescribed for completion of work for which bids have been invited.

The average annual contractual turnover shall be calculated as an average of “total contractual payments” in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover.

The tenderers shall submit requisite information as per **Annexure-VIA**, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.

10.3 Bid Capacity: For tenders having advertised value more than Rs. 10 crore wherein eligibility criteria includes bid capacity also.

10.4 No Technical and Financial credentials are required for tenders having advertised value up to Rs. 50 lakh.

10.5 Credentials if submitted in foreign currency shall be converted into Indian currency i.e., Indian Rupee as under:

The conversion rate of US Dollars into Rupees shall be the daily representative exchange rates published by the Reserve Bank of India or entity authorized by RBI to do so for the relevant date or immediately previous date for which rates have been published. Where, relevant date shall be as on the last day of month previous to the one in which tender is invited. In case of any other currency, the same shall first be converted to US Dollars as on the last day of month previous to the one in which tender is invited, and the amount so derived in US Dollars shall be converted into Rupees at the aforesaid rate. The conversion

rate of such currencies shall be the daily representative exchange rates published by the International Monetary Fund for the relevant date or immediately previous date for which rates have been published.

[Explanation for Para 10 of the Tender Form (Second Sheet) including Para 10.1 to 10.5 - Eligibility Criteria:

1. *Substantially Completed Work means an ongoing work in which payment equal to or more than 90% of the present contract value (excluding the payment made for adjustment of Price variation (PVC), if any) has been made to the contractor in that ongoing contract and no proceedings of termination of contract on Contractor's default has been initiated. The credential certificate in this regard should have been issued not prior to 60 days of date of invitation of present tender.*
2. *In case a work is started prior to 07 (seven) years, ending last day of month previous to the one in which tender is invited, but completed in last 07 (seven) years, ending last day of month previous to the one in which tender is invited, the completed work shall be considered for fulfillment of credentials.*
3. *If a work is physically completed and completion certificate to this extent is issued by the concerned organization but final bill is pending, such work shall be considered for fulfillment of credentials*
4. *In case of completed work, the value of final bill (gross amount) including the PVC amount (if paid) shall be considered as the completion cost of work. In case final bill is pending, only the total gross amount already paid including the PVC amount (if paid) shall be considered as the completion cost of work.*

In case of substantially completed work, the total gross amount already paid including the PVC amount (if paid), as mentioned in the certificate, shall be considered as the cost of substantially completed work.

5. *If a bidder has successfully completed a work as subcontractor and the work experience certificate has been issued for such work to the subcontractor by a Govt. Organization or public listed company as defined in Note for Item 10.1 Para 10 of the Tender Form (Second Sheet), the same shall be considered for the purpose of fulfillment of credentials.*
6. *In case a work is considered similar in nature for fulfillment of technical credentials, the overall cost including the PVC amount (if paid) of that completed work or substantially completed work, shall be considered and no separate evaluation for each component of that work shall be made to decide eligibility.*
7. *In case of newly formed partnership firm, the credentials of individual partners from previous propriety firm(s) or dissolved previous partnership firm(s) or split previous partnership firm(s), shall be considered only to the extent of their share in previous entity on the date of dissolution / split and their share in newly formed partnership firm. For example, a partner A had 30% share in previous entity and his share in present partnership firm is 20%. In the present tender under consideration, the credentials of partner A will be considered to the extent of $0.3 \times 0.2 \times \text{value of the work done in the previous entity}$. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.*
8. *In case of existing partnership firm, if any one or more partners quit the partnership firm, the credentials of remaining partnership firm shall be re-worked out i.e., the quitting partner(s) shall take away his credentials to the extent of his share on the date of quitting the partnership firm (e.g. in a partnership firm of partners A, B & C having share 30%, 30% & 40% respectively and credentials of Rs 10 crore; in case partner C quits the firm, the credentials of this partnership firm shall remain as Rs 6 crore). For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.*

9. *In case of existing partnership firm if any new partner(s) joins the firm without any modification in the name and PAN/TAN no. of the firm, the credentials of partnership firm shall get enhanced to the extent of credentials of newly added partner(s) on the same principles as mentioned in item 6 above. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deeds, dissolution/splitting deeds and proof of surrender of PAN No.(s) in case of dissolution of partnership firm etc.*
10. *Any partner in a partnership firm cannot use or claim his credentials in any other firm without leaving the partnership firm i.e., In a partnership firm of A&B partners, A or B partner cannot use credentials of partnership firm of A&B partners in any other partnership firm or propriety firm without leaving partnership firm of A&B partners.*
11. *In case a partner in a partnership firm is replaced due to succession as per succession law, the proportion of credentials of the previous partner will be passed on to the successor.*
12. *If the percentage share among partners of a partnership firm is changed, but the partners remain the same, the credentials of the firm before such modification in the share will continue to be considered for the firm as it is without any change in their value. Further, in case a partner of partnership firm retires without taking away any credentials from the firm, the credentials of partnership firm shall remain the same as it is without any change in their value.*
13. *In a partnership firm "AB" of A&B partners, in case A also works as propriety firm "P" or partner in some other partnership firm "AX", credentials of A in propriety firm "P" or in other partnership firm "AX" earned after the date of becoming a partner of the firm AB shall not be added in partnership firm AB.*
14. *In case a tenderer is LLP, the credentials of tenderer shall be worked out on above lines similar to a partnership firm.*
15. *In case company A is merged with company B, then company B would get the credentials of company A also.*

11. TENDERER CREDENTIALS:

Documents testifying tenderer previous experience and financial status should be produced along with the tender.

Tenderer(s) who is / are not borne on the approved list of the Contractors of _____ Railway shall submit along with his / their tender:

- (i) Certificates and testimonials regarding contracting experience for the type of job for which tender is invited with list of works carried out in the past.
- (ii) Certificates which may be an attested Certificate from the client, Audited Balance Sheet duly certified by the Chartered Accountant etc regarding contractual payments received in the past.
- (iii) The list of personnel / organization on hand and proposed to be engaged for the tendered work. Similarly list of Plant & Machinery available on hand and proposed to be inducted and hired for the tendered work.
- (iv) A copy of certificate stating that they are not liable to be disqualified and all their statements/ documents submitted along with bid are true and factual. Standard format of the certificate to be submitted by the bidder is enclosed as **Annexure-VIII**. In addition to Annexure-VIII, in case of other than Company/Proprietary firm, Annexure VIII-(A) shall also be submitted by each member of a Partnership Firm/Joint venture (JV)/ Hindu Undivided Family (HUF)/ Limited Liability Partnership (LLP) etc. as the case may be. Non submission of a copy of certificate by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they/he are/is qualifying the Qualifying Criteria mentioned in the Tender Document.

- (v) The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the Railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the Railway there under.
- (vi) (a) In case of any information submitted by tenderer is found to be false forged or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender Earnest Money Deposit besides banning of business for a period of upto two years.
- (b) In case of any information submitted by tenderer is found to be false forged or incorrect after the award of contract, the contract shall be terminated. Earnest Money Deposit (EMD), Performance Guarantee and Security Deposit available with the railway shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and agency shall be banned for doing business for a period of upto two years.
- 12. Non-compliance with any of the conditions set forth therein above is liable to result in the tender being rejected.
- 13. **EXECUTION OF CONTRACT DOCUMENTS:** The successful Tenderer(s) shall be required to execute an agreement with the President of India acting through the _____, _____ Railway for carrying out the work according to Standard General Conditions of Contract, Special Conditions / Specifications annexed to the tender and Standard Specifications (Works and Materials) of Railway as amended/corrected upto latest correction slips, mentioned in tender form (First Sheet).
- 14. **DOCUMENTS TO BE SUBMITTED ALONG WITH TENDER**
 - (i) The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Registered Society / Registered Trust / HUF etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern, and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be. **The power of attorney shall be as per the Annexure-VII with completing all details i.e. witness signature, name etc. In case of different format is used ratify clause & witness name & signature must be there otherwise offer will be summarily rejected.**
 - (ii) Following documents shall be submitted by the tenderer:
 - (a) **SOLE PROPRIETORSHIP FIRM:**
 - (i) A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of Sole Proprietorship Firm.
 - (ii) An undertaking that he is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.
 - (iii) All documents in terms of Para 10 of the Tender Form (Second Sheet).
 - (b) **HUF:**
 - (i) A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF.
 - (ii) An undertaking that the HUF is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in

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

(iii) All documents in terms of Para 10 of the Tender Form (Second Sheet).

(c) PARTNERSHIP FIRM:

The tenderer shall submit documents as mentioned below:

- (i) A notarized copy of the Partnership Deed or a copy of the Partnership deed registered with the Registrar.
- (ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm.
- (iii) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract.
- (iv) All documents as mentioned in para 17 of the Tender Form (Second Sheet).

(d) COMPANY REGISTERED UNDER COMPANIES ACT 2013:

- (i) The copies of **MOA (Memorandum of Association) / AOA (Articles of Association)** of the company.
- (ii) A copy of Certificate of Incorporation.
- (iii) A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company.
- (iv) An undertaking that the Company is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the Company was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.
- (v) All other documents in terms Para 10 of the Tender Form (Second Sheet).

(e) LLP (LIMITED LIABILITY PARTNERSHIP): If the tender is submitted on behalf of a LLP registered under LLP Act-2008, the tenderer shall submit along with the tender:

- (i) A copy of LLP Agreement.
- (ii) A copy of Certificate of Incorporation.
- (iii) A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual to sign the tender on behalf of the LLP and create liability against the LLP.
- (iv) An undertaking that the LLP is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of JV in which the LLP was / is a member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.
- (v) All other documents in terms Para 10 of the Tender Form (Second Sheet).

(f) REGISTERED SOCIETY & REGISTERED TRUST: The tenderer shall submit:

- (i) A copy of the Certificate of Registration.

- (ii) A copy of Deed of Formation.
- (iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust.
- (iv) A copy of Rules & Regulations of the Society.
- (v) All other documents in terms Para 10 of the Tender Form (Second Sheet).
- (iii) If it is NOT mentioned in the submitted tender that tender is being submitted on behalf of a Sole Proprietorship firm / Partnership firm / Registered Company etc., then the tender shall be treated as having been submitted by the individual who has signed the tender.
- (iv) After opening of the tender, any document pertaining to the constitution of Sole Proprietorship Firm / Partnership Firm / Registered Company/ Registered Trust / Registered Society / HUF etc. shall be neither asked nor considered, if submitted. Further, no suo moto cognizance of any document available in public domain (i.e., on internet etc.) or in Railway's record/office files etc. will be taken for consideration of the tender, if no such mention is available in tender offer submitted.
- (v) A tender from JV / Partnership firm etc. shall be considered only where permissible as per the tender conditions.
- (vi) The Railway will not be bound by any change in the composition of the firm made subsequent to the submission of tender. Railway may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor.

NOTE-PARTICIPATION OF JV FIRMS ARE NOT ALLOWED IN THIS TENDER.

15. The tenderer whether sole proprietor / a company or a partnership firm / joint venture (JV) / registered society / registered trust / HUF/LLP etc. if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person specifically authorizing him/them to sign the tender, submit the tender, and further to deal with the tender/contract upto the stage of signing the agreement except in case where such specific person is authorised for above purposes through a provision made in the partnership deed Memorandum of Understanding / Article of Association/Board Resolution or such other document, failing which tender is liable to be rejected.

A separate power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of specific person whether he/they be partner(s) of firm or any person shall be submitted after award of work, specifically authorising him/them to deal with all other contractual activities subsequent to signing of agreement if required.

16. EMPLOYMENT/PARTNERSHIP ETC. OF RETIRED RAILWAY EMPLOYEES:

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

AND

in case where such Engineer or officer had not retired from government service at least 1 year prior to the date of submission of the tender

THEN

the tenderer will give full information as to the date of retirement of such Engineer or gazetted officer from the said service and as to whether permission for taking such contract, or if the Contractor be a partnership firm or an incorporated company, to become a partner or director as the case may be, has been obtained by the tenderer or the Engineer or officer, as the case may be from the President of India or any officer, duly authorized by him in this behalf, shall be clearly stated in writing at the time of submitting the tender.

- b) In case, upon successful award of contract, should a tenderer depute for execution of the works under or to deal matters related with this contract, any retired Engineer of gazette rank or retired gazetted officer working before his retirement in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, and now in his employment, then the tenderer will ensure that retired Engineer or retired gazetted officer had retired from government service at least 1 year prior to the date of his employment with tenderer and in case he had retired from service within a year then he possesses the requisite permission from the President of India or any officer, duly authorized by him in this behalf, to get associated with the tenderer.
- c) Should a tenderer or Contractor being an individual, have member(s) of his family or in the case of partnership firm/ company / joint venture (JV) / registered society / registered trust etc. one or more of his partner(s)/shareholder(s) or member(s) of the family of partner(s)/shareholder(s) having share of more than 1% in the tendering entity employed in gazetted capacity in the Engineering or any other department of the railway, then the tenderer at the time of submission of tender, will inform the authority inviting tenders the details of such persons.

Note: If information as required as per 16.a), b), c) above has not been furnished, contract is liable to be dealt in accordance with provision of clause 62 of Standard General Condition of contract.

17. PARTICIPATION OF PARTNERSHIP FIRMS IN WORKS TENDERS:

- 17.1** The Partnership Firms participating in the tender should be legally valid under the provisions of the Indian Partnership Act.
- 17.2** The partnership firm should have been in existence or should have been formed prior to submission of tender. Partnership firm should have either been registered with the Registrar or the partnership deed should have been notarized prior to date of tender opening as per the Indian Partnership Act.
- 17.3** Separate identity / name should be given to the partnership firm. The partnership firm should have PAN / TAN number in its own name and PAN / TAN number in the name of any of the constituent partners shall not be considered. The valid constituents of the firm shall be called partners.
- 17.4** Once the tender has been submitted, the constitution of the firm shall not normally be allowed to be modified / altered / terminated during the validity of the tender as well as the currency of the contract except when modification becomes inevitable due to succession laws etc., in which case prior permission should be taken from Railway and in any case the minimum eligibility criteria should not get vitiated. The re-constitution of firm in such cases should be followed by a notary certified Supplementary Deed. The approval for change of constitution of the firm, in any case, shall be at the sole discretion of the Railways and the tenderer shall have no claims what-so-ever. Any change in the constitution of Partnership firm after opening of tender shall be with the consent of all partners and with the signatures of all partners as that in the Partnership Deed. Failure to observe this requirement shall render the offer invalid and full EMD shall be forfeited.

If any Partner/s withdraws from the firm after opening of the tender and before the award of the contract, the offer shall be rejected and EMD of the tenderer will be forfeited. If any new partner joins the firm after opening of tender but prior to award of contract, his / her credentials shall not qualify for consideration towards eligibility criteria either individually or in proportion to his share in the previous firm. In case the tenderer fails to inform Railway beforehand about any such changes / modification in the constitution which is inevitable due to succession laws etc. and the contract is awarded to such firm, then it will be considered a breach of the contract conditions liable for determination of the contract under Clause 62 of General Conditions of Contract.

- 17.5 A partner of the firm shall not be permitted to participate either in his individual capacity or as a partner of any other firm in the same tender.
- 17.6 The tender form shall be submitted only in the name of partnership firm. The EMD shall be deposited by partnership firm through e-payment gateway or as mentioned in tender document. The EMD submitted in the name of any individual partner or in the name of authorized partner (s) shall not be considered.
- 17.7 One or more of the partners of the firm or any other person (s) shall be designated as the authorized person (s) on behalf of the firm, who will be authorized by all the partners to act on behalf of the firm through a "Power of Attorney", specially authorizing him / them to submit & sign the tender, sign the agreement, receive payment, witness measurements, sign measurement books, make correspondences, compromise / settle / relinquish any claim (s) preferred by the firm, sign "No Claim Certificate", refer all or any dispute to arbitration and to take similar such action in respect of the said tender / contract. Such "Power of Attorney" shall be notarized / registered and submitted along with the tender.
- 17.8 On issue of Letter of Acceptance (LOA) to the partnership firm, all the guarantees like Performance Guarantee, Guarantee for various Advances to the Contractor shall be submitted only in the name of the partnership firm and no splitting of guarantees among the partners shall be acceptable.
- 17.9 On issue of Letter of Acceptance (LOA), contract agreement with partnership firm shall be executed in the name of the firm only and not in the name of any individual partner.
- 17.10 In case the Letter of Acceptance (LOA) is issued to a partnership firm, the following undertakings shall be furnished by all the partners through a notarized affidavit, before signing of contract agreement.

(a) **JOINT AND SEVERAL LIABILITIES:**

The partners of the firm to which the Letter of Acceptance (LOA) is issued, shall be jointly and severally liable to the Railway for execution of the contract in accordance with General and Special Conditions of the Contract. The partners shall also be liable jointly and severally for the loss, damages caused to the Railway during the course of execution of the contract or due to non-execution of the contract or part thereof.

(b) **DURATION OF THE PARTNERSHIP DEED AND PARTNERSHIP FIRM AGREEMENT:**

The partnership deed/partnership firm agreement shall normally not be modified/altered/terminated during the currency of contract and the maintenance period after the work is completed as contemplated in the conditions of the contract. Any change carried out by partners in the constitution of the firm without permission of Railway, shall constitute a breach of the contract, liable for determination of the contract under Clause 62 of the General Conditions of Contract.

- (c) **GOVERNING LAWS:** The partnership firm agreement shall in all respect be governed by and interpreted in accordance with the Indian laws.
- (d) No partner of the firm shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other partner/s and that of the Railway.

17.11 The tenderer shall clearly specify that the tender is submitted on behalf of a partnership firm. The following documents shall be submitted by the partnership firm, with the tender:

- (i) A notarized copy of partnership deed.
- (ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm.
- (iii) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of opening of bids, either in their individual capacity or in any firm in which they were / are partners. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.
- (iv) All other documents in terms of Para 10 of the Tender Form (Second Sheet) above.

17.12 EVALUATION OF ELIGIBILITY OF A PARTNERSHIP FIRM:

Technical and financial eligibility of the firm shall be adjudged based on satisfactory fulfilment of the eligibility criteria laid down in Para 10 of the Tender Form (Second Sheet) above.

Signature
(Designation)
_____ Railway

Date _____

Signature of Tenderer(s)

Date _____

NORTHERN RAILWAY

Contract Agreement No: 289-Mech-CWUpLaundryLKO26

AGREEMENT FOR ZONE CONTRACT

CONTRACT AGREEMENT NO. _____ DATED _____

ARTICLES OF AGREEMENT made this _____ day of _____ 20____ between President of India acting through the Railway Administration hereafter called the "Railway" of the one part and _____ herein after called the "Contractor" of other part.

WHEREAS the Contractor has agreed with the Railway for performance of the works _____ set forth in the Schedule hereto annexed upon the Standard General Conditions of Contract, corrected upto latest correction slips and the Specifications of _____ Railway corrected upto the latest correction slips and the Schedule of Rates of _____ Railway, corrected upto latest correction slips and the Special Conditions and Special Specifications, if any and in conformity with the drawings here-into annexed AND WHEREAS the performance of the said works is an act in which the public are interested.

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

Contractor _____

Designation _____

Address _____

Railway _____

(For President of India)

Witnesses (to signature of Contractor):

Signature of witnesses with address

NORTHERN RAILWAY
C&W DEPARTMENT, DIVISIONAL OFFICE, LUCKNOW
GENERAL TENDER CONDITIONS AND INSTRUCTIONS TO TENDERERS

Tender No: 289-Mech-CWUpLaundryLKO26

Name of work: “Setting up of Infrastructure for Linen Management Facilities at LKO Coaching Depot NR.”

SUBMISSION OF TENDER: Tenders on open tender basis are invited for aforesaid work as under.

The Tender in general, shall be governed by General Conditions of Contract-April-2022 with latest guidelines. The ‘Engineer’ as defined in clause 1.2 (e) under Part-I (Meaning of Terms) of General Conditions of Contract shall also mean Sr. Divisional Mechanical Engineer (C&W)/LKO.

The tender documents consist of Tender/Declaration form, General conditions relating to tender/s, special conditions and instructions and specifications, detailed scope of work & format for offer of rates. All of these must be submitted as directed in covering note, failing which the tender is liable to be rejected.

- a) All offers shall be either type written or written neatly.
- b) Any individual(s) signing the tender or other documents connected therewith shall specify whether he is signing:-
 - As sole proprietor of the concern or attorney of the sole proprietor.
 - As a partner or partners of the firm.
 - As a Director, Manager or Secretary of a Limited company duly authorized by a resolution passed by the board of Director or in pursuance of the authority conferred by memorandum of association
 - Each page of the copy of documents / certificates in support of credentials, submitted by the bidder, shall be self-attested by the bidder or authorized representative of the bidding firm. Self-attestation shall include signature, stamp and date (on each page). Only, those documents will be considered for evaluating bid, which are duly self-attested as above.
1. **VALIDITY:** The validity of the offer should be kept open for **60 (Sixty Days)** from the date of opening of the tender.
2. **SCOPE OF WORK:** It includes the work as mentioned in the tender form as ‘Detailed Scope of Work’ as per **Annexure-I**.
3. The inspection of the works will be carried out by CDO/LKO or his representative or nominated by Sr. DME (C&W)/NR/LKO and the performance of the work will be certified by CDO/LKO. The quantities executed each location & performance of work along with penalties shall have to be considered for payment of work.
4. **COMPLETION OF TENDER DOCUMENTS:**
 - 4.1 The tenders containing erasing and alteration in tender documents are liable to be rejected. Any correction made by the tenderer/s in his/her/their entries must be attested by him/her/them. No correction of typescript of tender form issued by Railway will be taken notices of. If the contractor wishes to stipulate any conditions of his own, he should state them in the covering letter of the tender. It should be noted however, that the Railway reserves the right not to consider such conditional tenders and reject the same without assigning any reasons. Only those additional conditions, which are explicitly accepted by the Railway, shall form part of the contract.
 - 4.2 If there is a variation between rates quoted in figures and words, the lowest/most favourable quoted rates for the Railways shall prevail. Tenders containing erasures and alterations of tender documents are liable to be rejected. If there is more than one or an improper rate is tendered for the same item the tender is liable to be rejected. Each page of the tender documents is to be signed and

dated by the tenderer/s or such persons on his/her/their behalf who is/are legally authorized to sign for him/her/them.

4.3 **INCOME TAX CLEARING CERTIFICATE:** The tenderer may submit along with their tender, their current Income Tax clearance certificate complete in all respect or a Photostat copy thereof.

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

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

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

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

(2) REFUND OF SECURITY DEPOSIT: (i) Security Deposit mentioned in sub clause (1) above shall be returned to the Contractor along with or after, the following:

- (a) Final Payment of the Contract as per clause 51. (1) of GCC **and**
- (b) Execution of Final Supplementary Agreement or Certification by Engineer that Railway has No Claim on Contractor **and**
- (c) Maintenance Certificate issued, on expiry of the maintenance period as per clause 50. (1) of GCC, in case applicable.

(ii) Forfeiture of Security Deposit: Whenever the contract is rescinded as a whole under clause 62 (1) of GCC, the Security Deposit already with railways under the contract shall be forfeited. However, in case the contract is rescinded in part or parts under clause 62 (1) of GCC, the Security Deposit shall not be forfeited.

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

6. PERFORMANCE GUARANTEE:

The procedure for obtaining Performance Guarantee is outlined below:

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

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

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

- (b) The successful bidder shall submit the Performance Guarantee (PG) amounting to 5% of the original contract value and Additional Performance Guarantee as per clause 6(h) in any of the following forms:

- (i) A deposit of Cash;
- (ii) Irrevocable Bank Guarantee;
- (iii) Insurance Surety Bond (Annexure XVII of GCC-2022)

Note: In case of extension of Date of Completion, selected bidder needs to submit Extended Insurance Surety Bond / Fresh Insurance Surety Bond / Fresh Performance Security, in any form as given above, before expiry of existing insurance surety bond.

- (iv) Government Securities (including State Loan Bonds at 5% below market value)
- (v) Pay Orders / Demand Drafts tendered by any Scheduled Commercial Bank of India
- (vi) Guarantee Bonds executed or Deposit Receipts tendered by any Scheduled Commercial Bank of India
- (vii) Deposit in Post Office Savings Bank
- (viii) Deposit in National Saving Certificates
- (ix) Twelve years National Defence Certificates;
- (x) Ten years Defence Deposits;
- (xi) National Defence Bonds and
- (xii) Unit Trust Certificates at 5% below market value or at the face value whichever is less.

Also, FDR in favour of FA&CAO (free from any encumbrance) may be accepted.

- (c) The Performance Guarantee shall be submitted by the successful bidder after the Letter of Acceptance (LOA) has been issued, but before signing of the contract agreement. This P.G. shall be initially valid upto the stipulated date of completion plus 60 days beyond that. In case, the time for completion of work gets extended, the Contractor shall get the validity of P.G. extended to cover such extended time for completion of work plus 60 days.
- (d) The value of PG to be submitted by the Contractor is based on original contract value and shall not change due to subsequent variation(s) in the original contract value.
- (e) The Performance Guarantee (PG) shall be released after physical completion of the work based on 'Completion Certificate' issued by the competent authority stating that the Contractor has completed the work in all respects satisfactorily.
- (f) Whenever the contract is rescinded, the Performance Guarantee already submitted for the contract shall be encashed.

- (g) The Engineer shall not make a claim under the Performance Guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
- (i) Failure by the Contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer may claim the full amount of the Performance Guarantee.
 - (ii) Failure by the Contractor to pay President of India any amount due, either as agreed by the Contractor or determined under any of the Clauses/Conditions of the Agreement, within 30 days of the service of notice to this effect by Engineer.
 - (iii) The Contract being determined or rescinded under clause 62 of these conditions.
- (h) If a tender is accepted on the quoted rates of bidder which is below the advertised tender value, an additional performance security shall be submitted by the bidder as below:

Bid quoted in % of advertised cost	Additional Performance Guarantee (%)
Below 0 – 5% (inclusive)	Nil
Below 5%	5%

7. ACCEPTANCE OF TENDER:

- 7.1** It shall not be obligatory of the said authority to accept the lowest tender and the tenderer/s shall not demand any explanation for the rejection of his/ her/their tender.
- 7.2** If the tenderer/s deliberately give/s wrong information in his/her/their tender and there by create/s circumstances for the acceptance of his/her/ their tender, the railways reserve the right to reject such tender/s at any stage and may take legal action against them including recovering the cost of delay or inconvenience.
- 7.3** The successful tenderer shall be required to execute a contract agreement for carrying out of the work. The address of the contractor as given in the agreement will be deemed as their business address and all letters etc. sent to that address by the Railway Administration shall be considered as duly delivered to the contractors in the ordinary course of post.
- 7.4** The authority for acceptance of the tender does not undertake to assign reasons for declining to consider any particular tender or tenders. The accepting authority also reserves the right to accept in full/ a part thereof/ reject the tender or to divide the tender amongst more than one tenderer if deemed necessary without assigning any reason.
- 7.5** The tenderer shall not increase his/her/their rate in case the railway administration negotiates for reduction of rates. Such negotiations shall not amount to cancellation or withdrawal of the original offer and if not agreed for reduction, rates originally quoted will be binding on the tenderers.
- 7.6** The tenderer shall submit a break up of rates offered by him/her/them giving the details of cost of labour, material, equipments/machinery & profit etc. as well as taxes, if any applicable for proper evaluation of the tender.

8. DETERMINATION OF CONTRACT:

- 8.1 RIGHT OF RAILWAY TO DETERMINE THE CONTRACT:** The Railway shall be entitled to determine and terminate the contract at any time should, in the Railway's opinion, the cessation of work becomes necessary owing to paucity of funds or from any other cause whatever, in which case the value of approved materials at site and of work done to date by the Contractor will be paid for in full at the rate specified in the contract. Notice in writing from the Railway of such determination and the reasons therefore shall be conclusive evidence thereof.
- 8.2 PAYMENT ON DETERMINATION OF CONTRACT:** Should the contract be determined under sub-clause (1) of this clause and the Contractor claims payment for expenditure incurred by him in the expectation of completing the whole of the work, the Railways shall admit and consider such claims as are deemed reasonable and are supported by vouchers to the satisfaction of the Sr.

Divisional Mechanical Engineer (C&W) or his nominee. The Railway's decision on the necessity and propriety of such expenditure shall be final and conclusive.

8.3 The contractor shall have no claim to any payment of compensation or otherwise, howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of determination of contract.

8.4 DETERMINATION OF CONTRACT OWING TO DEFAULT OF CONTRACTOR: (I) if the contractor should.

- (i) Become/s bankrupt or insolvent, or
- (ii) Make an arrangement with/or assignment in favour of his creditors, or agree to carry out the contract under a Committee of Inspection of his creditors, or
- (iii) Being a Company or Corporation go into liquidation (other than a voluntary liquidation for the purpose of amalgamation or reconstruction), or
- (iv) Have an execution levied on his goods or property on the works, or
- (v) Assign the contract or any part thereof otherwise than as provided in Clause 7 of GCC or
- (vi) Abandon the contract, or
- (vii) Persistently disregard the instructions of the Engineer, or contravene any provision of the contract, or
- (viii) Fail to adhere to the agreed programme of work by a margin of 10% of the stipulated period, or
- (ix) Fail to execute the contract documents in terms of clause 8 of the Regulations for Tenders and contracts.
- (x) Fail to remove materials from the site or to pull down and replace work after receiving from the Engineer notice to the effect that the said materials or works have been condemned or rejected under Clause 25 and 27 of GCC, or
- (xi) Fail to take steps to employ competent or additional staff and labour as required under Clause 26 of the GCC, or
- (xii) Fail to afford the Engineer or Engineer's representative proper facilities for inspecting the works or any part thereof as required under Clause (28) of the GCC, or
- (xiii) Promise, offer or give any bribe, commission, gift or advantage either himself or through his partner, agent or servant to any officer or employee of the Railway or to any person on his/her/their or on their behalf in relation to the execution of this or any other contract with this Railway.
- (xiv) Fail to adhere to the provisions of Clause 16 of Tender Form (Second Sheet) of Part I 'Regulations for Tenders and Contract', or provision of above Clause 59(9).
- (xv) Submits copy of fake documents / certificates in support of credentials, submitted by the tenderer

Then and in any of the **Said Clause**, the Engineer on behalf of the Railway may serve the Contractor with a notice (Proforma at Annexure-IX of the GCC) in writing to that effect and if the Contractor does not within seven days after the delivery to him of such notice proceed to make good his default in so far as the same is capable of being made good and carry on the work or comply with such directions as aforesaid of the entire satisfaction of the Engineer, the Railway shall be entitled after giving 48 hours' notice (Proforma at Annexure-X or XII of the GCC, as the case may be) in writing under the hand of the Engineer to rescind the contract as a whole or in part or parts (as may be specified in such notice) and after expiry of 48 hours' notice, a final termination notice (Proforma at Annexure-XI or XIII of the GCC, as the case may be) should be issued.

Note: Engineer at his discretion may resort to the part termination of contract with notices (Proforma at Annexure- IX, XII and XIII of the GCC), only in cases where progress of work is more than or equal to 80% of the original scope of work.

8.5 RIGHT OF RAILWAY AFTER RESCISSION OF CONTRACT OWING TO DEFAULT OF CONTRACTOR: In the event of any or several of the courses, referred to in sub-clause (I) of this clause, being adopted:

- a) The Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any commitments or made any advances on account of or with a view to the execution of the works or the performance of the contract and contractor shall not be entitled to recover or be paid any sum for any work there to for actually performed under the contract unless and until the Engineer shall have certified the performance of such work and the value payable in respect thereof and the contractor shall only be entitled to be paid the value so certified,
- b) In the contract which has been rescinded as a whole, the Security Deposit already with railways under the contract shall be encashed/ forfeited and the Performance Guarantee already submitted for the contract shall be encashed. The balance work shall be got done independently without risk & cost of the failed Contractor. The failed Contractor shall be debarred from participating in the tender for executing the balance work. If the failed Contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV /partnership firm.
Further the authorized representative of failed Contractor cannot be accepted as authorized representative in new contract
- c) In the contract rescinded in part or parts,
 - (i) The full Performance Guarantee for the contract shall be recovered. No additional Performance Guarantee shall be required for balance of work being executed through the part terminated contract. The contract value of part terminated contract stands reduced to the balance value of work under the contract.
 - (ii) The Security Deposit of part terminated contract shall be dealt as per clause 16(2) of GCC.
 - (iii) The defaulting Contractor shall not be issued any completion certificate for the contract.
 - (iv) The balance work shall be got done independently without risk & cost of the failed Contractor. The failed Contractor shall be debarred from participating in the tender for executing the balance work. If the failed Contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV /partnership firm.
 - (v) Further the authorized representative of failed Contractor will not be accepted as authorized representative in new contract.
- d) The Engineer or the Engineer's Representative shall be entitled to take possession of any materials, tools, implements, machinery and buildings on the works or on the property on which these are being or out to have been executed, and to retain and employ the same in the further execution of the works of any part thereof until the completion of the works without the contractor being entitled to any compensation for the use and employment thereof or for wear and tear or destruction thereof,
- e) The Engineer shall as soon as may be practicable after removal of the contractor fix and determined ex-parte or by or after reference to the parties or after such investigation or enquiries as he may consider fit to make or institute and shall certify what amount (if any) had at the time of rescission of the contract been reasonably earned by or would reasonably accrue to the contractor in respect of the work then actually done by him under the contract and what was the value of any

unused or partially used materials, any constructional plant and any temporary works upon the site. The legitimate amount due to the contractor after making necessary deductions and certified by the Engineer should be released expeditiously.

9. FORCE MAJEURE CLAUSE:

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

9A Extension of Time in Contracts: Subject to any requirement in the contract as to completion of any portion or portions of the works before completion of the whole, the Contractor shall fully and finally complete the whole of the works comprised in the contract (with such modifications as maybe directed under conditions of this contract) by the date entered in the contract or extended date in terms of the following clauses:

- (i) **Extension due to Modification:** If any modifications have been ordered which in the opinion of the Engineer have materially increased the magnitude of the work, then such extension of the contracted date of completion may be granted as shall appear to the Engineer to be reasonable in the circumstances, provided moreover that the Contractor shall be responsible for requesting such extension of the date as may be considered necessary as soon as the cause thereof shall arise.
- (ii) **Extension for Delay not due to Railway or Contractor:** If in the opinion of the Engineer, the progress of work has any time been delayed by any act or neglect of Railway's employees or by other Contractor employed by the Railway under Sub-Clause (4) of Clause 20 of these Conditions or in executing the work not forming part of the contract but on which Contractor's performance necessarily depends or by reason of proceeding taken or threatened by or dispute with adjoining or to neighbouring owners or public authority arising otherwise through the Contractor's own default etc. or by the delay authorized by the Engineer pending arbitration or in consequences of the Contractor not having received in due time necessary instructions from the Railway for which he shall have specially applied in writing to the Engineer or his authorized representative then upon happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer within 15 days of such happening, but shall nevertheless make constantly his best endeavours to bring down or make good the delay and shall do all that may be reasonably required of him to the satisfaction of the Engineer to proceed with the works. The Contractor may also indicate the period for which the work is likely to be delayed and shall be bound to ask for necessary extension of time.
- (iii) **Extension for Delay due to Railways:** In the event of any failure or delay by the Railway to hand over the Contractor possession of the lands necessary for the execution of the works or to give the necessary notice to commence the works or to provide the necessary drawings or instructions or any other delay caused by the Railway due to any other cause whatsoever, then such failure or delay shall in no way affect or vitiate the contract or alter the character thereof or entitle the Contractor to damages or compensation therefore, but in any such case, the Railway may grant such extension or extensions of the completion date as may be considered reasonable.

The Contractor shall indicate the period for which the work is likely to be delayed and shall seek extension of time as may be considered necessary under clause 8A(i) or/and 8A(ii) or/ and 8A(iii) above, as soon as the cause thereof shall arise and, in any case, not less than 15 days before the expiry of the date fixed for completion of the works. The Engineer shall consider the same and shall grant and communicate such extension of time as in his opinion is reasonable having regard to the nature and period of delay and the type and quantum of work affected thereby. No other compensation shall be payable for works so carried forward to the extended period of time; the same rates, terms and conditions of contract being applicable, as if such extended period of time was originally provided in the original contract itself.

The non-submission of request for extension or submission of request within less than 15 days before the expiry of the date fixed for completion of the works, shall make him ineligible for extension under these sub clauses, subject to final decision of Engineer.

9B Extension of Time with Liquidated Damages (LD) for delay due to Contractor: The time for the execution of the work or part of the works specified in the contract documents shall be deemed to be the essence of the contract and the works must be completed not later than the date(s) as specified in the contract. If the Contractor fails to complete the works within the time as specified in the contract for the reasons other than the reasons specified in Clause 8 and 8A, the Railway may, if satisfied that the works can be completed by the Contractor within reasonable short time thereafter, allow the Contractor for further extension of time as the Engineer may decide. On such extension the Railway will be entitled without prejudice to any other right and remedy available on that behalf, to recover from the Contractor as agreed damages and not by way of penalty for each week or part of the week, a sum calculated at the rate of Liquidated Damages as decided by Engineer between 0.05% to 0.30% of the contract value of the works for each week or part of the week.

For the purpose of this Clause, the contract value of the works shall be taken as value of work as per contract agreement including any supplementary work order/contract agreement issued. Provided also, that the total amount of liquidated damages under this condition shall not exceed 5% of the contract value or of the total value of the item or groups of items of work for which a separate distinct completion period is specified in the contract.

Provided further, that if the Railway is not satisfied that the works can be completed by the Contractor and in the event of failure on the part of the contractor to complete the work within further extension of time allowed as aforesaid, the Railway shall be entitled without prejudice to any other right or remedy available in that behalf, to appropriate the contractor's Security Deposit and rescind the contract under Clause 62 of these Conditions, whether or not actual damage is caused by such default.

Note:

In a contract, where extension(s) of time have been allowed once under clause 9B, further request(s) for extension of time under clause 9A can also be considered under exceptional circumstances. Such extension(s) of time under clause 9A shall be without any Liquidated damages, but the Liquidated damages already recovered during extension(s) of time granted previously under clause 9B shall not be waived. However, Price variation during such extension(s) shall be dealt as applicable for extension(s) of time under clause 9B.

9C Illegal Gratification:

Procuring authorities as well as bidders, contractors and consultants should observe the highest standard of ethics and should not indulge in the following prohibited practices, either directly or indirectly, at any stage during the procurement process or during execution of resultant contracts:

- i) "Corrupt practice": making offers, solicitation or acceptance of bribe, rewards or gifts or any material benefit, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process or contract execution;

- ii) “Fraudulent practice”: any omission or misrepresentation that may mislead or attempt to mislead so that financial or other benefits may be obtained or an obligation avoided. This includes making false declaration or providing false information for participation in a tender process or to secure a contract or in execution of the contract;
- iii) “Anti-competitive practice”: any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of The Competition Act, 2002, between two or more bidders, with or without the knowledge of the procuring entity, that may impair the transparency, fairness and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels;
- iv) “Coercive practice”: any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process or affect the execution of a contract;
- v) “Conflict of interest” (COI): any personal, financial, or business relationship between the bidder and any personnel of the procuring entity who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of the procuring entity directly or indirectly;
- vi) “Undue Advantage”: improper use of information obtained by the bidder from the procuring entity with an intent to gain an unfair advantage in the procurement process or for personal gain. This also includes if the bidder (or his allied firm) provided services for the need assessment/ procurement planning of the tender process in which he is participating;
- vii) “Obstructive practice”: materially impede the procuring entity’s investigation of a procurement process either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making false statements or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to such investigation or from pursuing the investigation; or by impeding the procuring entity’s rights of audit or access to information;

9D Punitive Provisions:

Without prejudice to and in addition to the rights of the procuring entity to other penal provisions as per the bid documents or contract, if the procuring entity comes to conclusion that a (prospective) bidder/ contractor directly or through an agent, has violated this code of integrity in competing for the contract or in executing a contract, the procuring entity may take appropriate measures including one or more of the following:

- i) If his bids are under consideration in any procurement
 - a) Forfeiture or encashment of bid security;
 - b) calling off of any pre-contract negotiations; and
 - c) rejection and exclusion of the bidder from the procurement process
- ii) If a contract has already been awarded
 - a) Cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;
 - b) Forfeiture or encashment of any other security or bond relating to the procurement;
 - c) Recovery of payments including advance payments, if any, made by the procuring entity along with interest thereon at the prevailing rate;
- iii) Provisions in addition to above:
 - a) Removal from the list of enlisted contractors and banning/debarment of the bidder from participation in future procurements of the procuring entity for a period not less than one year;
 - b) In case of anti-competitive practices, information for further processing may be filed under a signature of the Joint Secretary level officer, with the Competition Commission of India;
 - c) Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

Any question or dispute as to the commission of any such offence or...

(Note: The last line is cut off in the image.)

Compensation payable to the Railway under this Clause shall be settled by the General Manager of the Railway, in such a manner as he shall consider fit & sufficient and his decision shall be final & conclusive.

10. VARIATIONS IN EXTENT OF CONTRACT:

10.1 a. MODIFICATION TO CONTRACT TO BE IN WRITING: In the event of any of the provisions of the contract required to be modified after the contract documents have been signed, the modifications shall be made in writing and signed by the Railway and the Contractor and no work shall proceed under such modifications until this has been done. Any verbal or written arrangement abandoning, modifying, extending, reducing or supplementing the contract or any of the terms thereof shall be deemed conditional and shall not be binding on the Railway unless and until the same is incorporated in a formal instrument and signed by the Railway and the Contractor, and till then the Railway shall have the right to repudiate such arrangements.

b. POWERS OF MODIFICATION TO CONTRACT: The Engineer on behalf of the Railway shall be entitled by order in writing to enlarge or extend, diminish or reduce the works or make any alterations in their design, character position, site, quantities, dimensions or in the method of their execution or in the combination and use of materials for the execution thereof or to order any additional work to be done or any works not to be done and the Contractor will not be entitled, to any compensation for any increase/reduction in the quantities of work but will be paid only for the actual amount of work done and for approved materials supplied against a specific order.

10.2. (i) Unless otherwise specified in the special conditions of the contract, the accepted variation in quantity of each individual item of the contract would be upto 25% of the quantity originally contracted, except in case of foundation work (in which no variation limit shall apply). However, the rates for the increased quantities shall be as per sub- para (iii) below.

(ii) The Contractor shall be bound to carry out the work at the agreed rates and shall not be entitled to any claim or any compensation whatsoever upto the limit of 25% variation in quantity of individual item of works.

(iii) In case an increase in quantity of an individual item by more than 25% of the agreement quantity is considered unavoidable, then same shall be executed at following rates.

(a) Quantities operated in excess of 125% but upto 140% of the agreement quantity of the concerned item, shall be paid at 98% of the rate awarded for that item in that particular tender;

(b) Quantities operated in excess of 140% but upto 150% of the agreement quantity of the concerned item shall be paid at 96% of the rate awarded for that item in that particular tender.

(c) Variation in quantities of individual items beyond 150% will be avoided and would be permitted only in exceptional unavoidable circumstances and shall be paid at 96% of the rate awarded for that item in that particular tender.

(d) VARIATION TO QUANTITIES OF MINOR VALUE ITEM:

The limit for varying quantities for minor value items shall be 100% (as against 25% prescribed for other items). A minor value item for this purpose is defined as an item whose original agreement value is less than 1 % of the total original agreement value.

(d) (i) Quantities operated upto and including 100% of the agreement quantity of the concerned minor value item, shall be paid at the rate awarded for that item in that particular tender.

(ii) Quantities operated in excess of 100% but upto 200% of the agreement quantity of the concerned minor value item, shall be paid at 98% of the rate awarded for that item in that particular tender.

(iii) Variation in quantities of individual minor value item beyond 200% will be avoided and would be permitted only in exceptional unavoidable circumstances and shall be paid at 96% of the rate awarded for that item in that particular tender.

- 10.3** (i) In case of earthwork, the variation limit of 25% shall apply to the gross quantity of earthwork and variation in the quantities of individual classifications of soil shall not be subject to this limit.
- (ii) In case of foundation work, no variation limit shall apply and the work shall be carried out by the Contractor on agreed rates irrespective of any variation.
- (iii) As far as SOR items are concerned, the limit of 25% would apply to the value of SOR schedule as a whole and not on individual SOR items. However, in case of NS items, the limit of 25% would apply on the individual items irrespective of the manner of quoting the rate (single percentage rate or individual Item rate).
- 10.4. VALUATION OF VARIATIONS:** The enlargements, extensions, diminution, reduction, alterations or additions referred to in Sub-Clause (2) of this Clause shall in no degree affect the validity of the contract; but shall be performed by the Contractor as provided therein and be subject to the same conditions, stipulations and obligations as if they had been originally and expressly included and provided for in the Specifications and Drawings and the amounts to be paid therefore shall be calculated in accordance with the accepted Schedule of Rates. Any extra items/quantities of work falling outside the purview of the provisions of Sub-Clause (2) above shall be paid for at the rates determined under Clause-39 of these Conditions.

CLAIMS

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

MEASUREMENTS, CERTIFICATES AND PAYMENTS

- 10.6 QUANTITIES IN SCHEDULE ANNEXED TO CONTRACT:** The quantities set out in the accepted Schedule of Rates with items of works quantified are the estimated quantities of the works and they shall not be taken as the actual and correct quantities of the work to be executed by the Contractor in fulfilment of his obligations under the contract.
- 10.6 (i). MEASUREMENT OF WORKS BY RAILWAY:** The Contractor shall be paid for the works at the rates in the accepted Schedule of Rates and for extra works at rates determined under Clause 39 of these Conditions on the measurements taken by the Engineer or the Engineer's representative in accordance with the rules prescribed for the purpose by the Railway. The quantities for items the unit of which in the accepted Schedule of Rates is 100 or 1000 shall be calculated to the nearest whole number, any fraction below half being dropped and half and above being taken as one; for items the unit of which in the accepted Schedule of Rates is single, the quantities shall be calculated to two places of decimals. Such measurements will be taken of the work in progress from time to time and at such intervals as in the opinion of the Engineer shall be proper having regard to the progress of works. The date and time on which 'on account' or 'final' measurements are to be made shall be communicated to the Contractor who shall be present at the site and shall sign the results of the measurements (which shall also be signed by the Engineer or the Engineer's representative) recorded in the official measurements book as an acknowledgement of his

acceptance of the accuracy of the measurements. Failing the Contractor's attendance, the work may be measured up in his absence and such measurements shall, notwithstanding such absence, be binding upon the Contractor whether or not he shall have signed the measurement books provided always that any objection made by him to measurement shall be duly investigated and considered in the manner set out below:

1. It shall be open to the Contractor to take specific objection to any recorded measurements or Classification on any ground within seven days of the date of such measurements. Any re-measurement taken by the Engineer or the Engineer's representative in the presence of the Contractor or in his absence after due notice has been given to him in consequence of objection made by the Contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and Classification of the measurements.
2. If an objection raised by the Contractor is found by the Engineer to be incorrect the Contractor shall be liable to pay the actual expenses incurred in measurements.

10.6 (ii) MEASUREMENT OF WORKS BY CONTRACTOR'S AUTHORIZED REPRESENTATIVE (IN CASE THE CONTRACT PROVIDES FOR THE SAME):

- 10.7** The Contractor shall be paid for the works at the rates in the accepted Schedule of Rates and for extra works at rates determined on the measurements taken by the Contractor's authorized Engineer in accordance with the rules prescribed for the purpose by the Railway. The quantities for items the unit of which in the accepted Schedule of Rates is 100 or 1000 shall be calculated to the nearest whole number, any fraction below half being dropped and half and above being taken as one; for items the unit of which in the accepted Schedule of Rates is single, the quantities shall be calculated to two places of decimals. Such measurements will be taken of the work in progress from time to time. The date and time on which 'on account' or 'final' measurements are to be made shall be communicated to the Engineer.

The date and time of test checks shall be communicated to the Contractor who shall be present at the site and shall witness the test checks, failing the Contractor's attendance the test checks may be conducted in his absence and such test checks shall notwithstanding such absence be binding upon Contractor provided always that any objection made by Contractor to test check shall be duly investigated and considered in the manner set out below:

It shall be open to the Contractor to take specific objection to test checks of any recorded measurement within 7 days of date of such test checks. Any re-test check done by the concerned Railway's authority in the presence of the Contractor or in his absence after due notice given to him in consequent of objection made by the Contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and classification of the measurements.

If an objection raised by the Contractor is found by the Engineer to be incorrect the Contractor shall be liable to pay the actual expenses incurred in measurements.

- 10.8 INCORRECT MEASUREMENT, ACTIONS TO BE TAKEN:** If in case during test check or otherwise, it is detected by the Engineer that agency has claimed any exaggerated measurement or has claimed any false measurement for the works which have not been executed; amounting to variation of 5% or more of claimed gross bill amount, action shall be taken as following:

- 10.9** On first occasion of noticing exaggerated/ false measurement, Engineer shall impose a penalty of 10% of claimed gross bill value.
- 10.10** On any next occasion of noticing any exaggerated/false measurement, railway shall impose penalty of 15% of claimed gross bill value. In addition, the facility of recording of measurements by Contractor as well as release of provisional payment shall be withdrawn. Once withdrawn, measurements shall be done by railway as per clause 10.6 (i) above.

- 10.10(1) "ON-ACCOUNT" PAYMENTS:** The Contractor shall be entitled to be paid from time to time by way of "On-Account" payment only for such works as in the opinion of the Engineer he has executed in terms of the contract. All payments due on the Engineer's/Engineer's Representative's certificates of measurements or Engineer's certified "Contractor's authorized Engineer's measurements" shall be subject to any deductions which may be made under these presents and shall further be subject to, unless otherwise required by Clause 16 of these Conditions, a retention of ten percent by way of Security Deposits, until the amount of Security Deposit by way of such retentions shall amount to 5% of the total value of the contract provided always that the Engineer may by any certificate make any correction or modification in any previous certificate which shall have been issued by him and that the Engineer may withhold any certificate, if the works or any part thereof are not being carried out to his satisfaction.
- 10.10(2) ROUNDING OFF AMOUNTS:** The total amount due on each certificate shall be rounded off to the nearest rupee, i.e. sum less than 50 paise shall be omitted and sums of 50 paise and more upto ₹1 will be reckoned as ₹ 1.
- 10.10(3) ON ACCOUNT PAYMENTS NOT PREJUDICIAL TO FINAL SETTLEMENT:** "On-Account" payments made to the Contractor shall be without prejudice to the final making up of the accounts (except where measurements are specifically noted in the Measurement Book as "Final Measurements" and as such have been signed by the Contractor and Engineer/Engineer's Representative) and shall in no respect be considered or used as evidence of any facts stated in or to be inferred from such accounts nor of any particular quantity of work having been executed nor of the manner of its execution being satisfactory.
- 10.10(4) MANNER OF PAYMENT:** Unless otherwise specified payments to the Contractor will be transferred electronically to his bank account.

SETTLEMENT OF DISPUTES – INDIAN RAILWAY ARBITRATION RULES

- 11. CONCILIATION OF DISPUTES:** All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred by the Contractor to the "Chief Engineer" or "Divisional Railway Manager" through "Notice of Dispute" provided that no such notice shall be served later than 30 days after the date of issue of Completion Certificate by the Engineer. Chief Engineer or Divisional Railway Manager shall, within 30 days after receipt of the Contractor's "Notice of Dispute", notify the name of conciliator(s) to the Contractor.

The Conciliator(s) shall assist the parties to reach an amicable settlement in an independent and impartial manner within the terms of contract.

If the parties reach agreement on a settlement of the dispute, they shall draw up and sign a written settlement agreement duly signed by Engineer In-charge, Contractor and conciliator(s). When the parties sign the settlement agreement, it shall be final and binding on the parties.

The parties shall not initiate, during the conciliation proceedings, any arbitral or judicial proceedings in respect of a dispute that is the subject matter of the conciliation proceedings.

The conciliation proceedings shall be terminated as per Section 76 of 'The Arbitration and Conciliation Act, 1996.

- a) **MATTERS FINALLY DETERMINED BY THE RAILWAY:** All disputes and differences of any kind whatsoever arising out of or in connection with the contract whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred by the contractor to the GM and the GM shall within 120 days after receipt of the contractor's representation make and notify decisions on all matters referred to by the contractor in writing provided that matters for which provision has been made in clauses 7(j), 8, 18, 22(5), 39,

43(2), 45(a), 55, 55-A(5), 57, 57A, 61(1), 61(2) and 62(1) of Standard General Conditions of Contract or in any clause (stated as excepted matter) of the Special Conditions of the Contract, shall be deemed as 'excepted matters' (matters not arbitrable) and decisions of the Railway authority, thereon shall be final and binding on the contractor; provided further that 'excepted matters' shall stand specifically excluded from the purview of the arbitration clause.

b) DEMANDS FOR ARBITRATION:

11.2(1)(i): In the event of any dispute or difference between the parties hereto as to the construction or operation of this contract, or the respective rights and liabilities of the parties on any matter in question, dispute or difference on any account or as to the withholding by the Railway of any certificate to which the Contractor may claim to be entitled to, or if the Railway fails to make a decision within 120 days, then and in any such case, but except in any of the "excepted matters" referred to in Clause 63.1 of these Conditions, the Contractor, after 120 days but within 180 days of his presenting his final claim on disputed matters shall demand in writing that the dispute or difference be referred to arbitration.

11.2(1)(ii)(a): The demand for arbitration shall specify the matters which are in question, or subject of the dispute or difference as also the amount of claim item-wise. Only such dispute or difference, in respect of which the demand has been made, together with counter claims or set off, given by the Railway, shall be referred to arbitration and other matters shall not be included in the reference.

11.2(1)(ii)(b): The parties may waive off the applicability of Sub-Section 12(5) of Arbitration and Conciliation (Amendment) Act 2015, if they agree for such waiver in writing, after dispute having arisen between them, in the format given under Annexure XV of these conditions.

11.2(1)(iii)(a): The Arbitration proceedings shall be assumed to have commenced from the day, a written and valid demand for arbitration is received by the Railway.

11.2(1)(iii)(b): The claimant shall submit his claims stating the facts supporting the claims along with all the relevant documents and the relief or remedy sought against each claim within a period of 30 days from the date of appointment of the Arbitral Tribunal.

11.2(1)(iii)(c): The Railway shall submit its defence statement and counter claim(s), if any, within a period of 60 days of receipt of copy of claims from Tribunal, unless otherwise extension has been granted by Tribunal.

11.2(1)(iii)(d): Place of Arbitration: The place of arbitration would be within the geographical limits of the Division of the Railway where the cause of action arose or the Headquarters of the concerned Railway or any other place with the written consent of both the parties.

11.2(1)(iv): No new claim shall be added during proceedings by either party. However, a party may amend or supplement the original claim or defense thereof during the course of arbitration proceedings subject to acceptance by Tribunal having due regard to the delay in making it.

11.2(1)(v): If the Contractor(s) does/do not prefer his/their specific and final claims in writing, within a period of 90 days of receiving the intimation from the Railways that the final bill is ready for payment, he/they will be deemed to have waived his/their claim(s) and the Railway shall be discharged and released of all liabilities under the contract in respect of these claims.

11.2(2): OBLIGATION DURING PENDENCY OF ARBITRATION:

Otherwise directed by the Engineer, continue during payment due or payable by the Railway shall be withheld on account of such proceedings, provided, however, it shall be open for Arbitral Tribunal to consider and decide whether or not such work should continue during arbitration proceedings.

11.3(3): APPOINTMENT OF ARBITRATOR:

11.3(3)(a): Appointment of Arbitrator where applicability of section 12 (5) of Arbitration and Conciliation Act has been waived off:

11.3(3)(a)(i): In cases where the total value of all claims in question added together does not exceed ₹ 1,00,00,000/- (Rupees One Crore), the Arbitral Tribunal shall consist of a Sole Arbitrator who shall be a Gazetted Officer of Railway not below Junior Administrative Grade, nominated by the General Manager. The sole arbitrator shall be appointed within 60 days from the day when a written and valid demand for arbitration is received by General Manager.

11.3(3)(a)(ii): In cases not covered by the Clause 10.3(3)(a)(i), the Arbitral Tribunal shall consist of a panel of three Gazetted Railway Officers not below Junior Administrative Grade or 2 Railway Gazetted Officers not below Junior Administrative Grade and a retired Railway Officer, retired not below the rank of Senior Administrative Grade Officer, as the arbitrators. For this purpose, the Railway will send a panel of at least four (4) names of Gazetted Railway Officers of one or more departments of the Railway which may also include the name(s) of retired Railway Officer(s) empanelled to work as Railway Arbitrator to the Contractor within 60 days from the day when a written and valid demand for arbitration is received by the General Manager.

Contractor will be asked to suggest to General Manager at least 2 names out of the panel for appointment as Contractor's nominee within 30 days from the date of dispatch of the request by Railway. The General Manager shall appoint at least one out of them as the Contractor's nominee and will, also simultaneously appoint the balance number of arbitrators either from the panel or from outside the panel, duly indicating the 'presiding arbitrator' from amongst the 3 arbitrators so appointed. General Manager shall complete this exercise of appointing the Arbitral Tribunal within 30 days from the receipt of the names of Contractor's nominees. While nominating the arbitrators, it will be necessary to ensure that one of them is from the Accounts Department. An officer of Selection Grade of the Accounts Department shall be considered of equal status to the officers in Senior Administrative Grade of other departments of the Railway for the purpose of appointment of arbitrator.

11.3.(3)(a)(iii): The serving railway officer working in arbitral tribunal in the ongoing arbitration cases as per clause 10.3(3)(a)(i) and clause 10.3(3)(a)(ii) above, can continue as arbitrator in the tribunal even after his retirement.

11.3(3)(b): Appointment of Arbitrator where applicability of Section 12 (5) of Arbitration and Conciliation Act has not been waived off:

In cases where the total value of all claims in question added together does not exceed ₹ 50,00,000/- (Rupees Fifty Lakhs) the Arbitral Tribunal shall consist of a Retired Railway Officer, retired not below the rank of Senior Administrative Grade Officer, as the arbitrator. For this purpose, the Railway will send a panel of at least four (4) names of retired Railway Officer(s) empanelled to work as Railway Arbitrator duly indicating their retirement dates to the Contractor within 60 days from the day when a written and valid demand for arbitration is received by the General Manager.

Contractor will be asked to suggest to General Manager at least 2 names out of the panel for appointment as arbitrator within 30 days from the date of dispatch of the request by Railway. The General Manager shall appoint at least one out of them as the arbitrator.

(ii) In cases where the total value of all claims in question added together exceed ₹ 50,00,000/- (Rupees Fifty Lakhs), the Arbitral Tribunal shall consist of a Panel of three (3) retired Railway Officer, retired not below the rank of Senior Administrative Grade Officer, as the arbitrators. For this purpose, the Railway will send a panel of at least four (4) names of retired Railway Officer(s) empanelled to work as Railway Arbitrator duly indicating their retirement date to the Contractor within 60 days from the day when a written and valid demand for arbitration is received by the General Manager.

Contractor will be asked to suggest to General Manager at least 2 names out of the panel for appointment as Contractor's nominee within 30 days from the date of dispatch of the request by Railway. The General Manager shall appoint at least one out of them as the Contractor's nominee

and will, also simultaneously appoint the balance number of arbitrators either from the panel or from outside the panel, duly indicating the 'Presiding Arbitrator' from amongst the 3 arbitrators so appointed. General Manager shall complete this exercise of appointing the Arbitral Tribunal within 30 days from the receipt of the names of Contractor's nominees. While nominating the arbitrators, it will be necessary to ensure that one of them has served in the Accounts Department.

11.3(3)(c)(i): If one or more of the arbitrators appointed as above refuses to act as arbitrator, withdraws from his office as arbitrator, or vacates his/their office/offices or is/are unable or unwilling to perform his functions as arbitrator for any reason whatsoever or dies or in the opinion of the General Manager fails to act without undue delay, the General Manager shall appoint new arbitrator/arbitrators to act in his/their place in the same manner in which the earlier arbitrator/arbitrators had been appointed. Such re-constituted Tribunal may, at its discretion, proceed with the reference from the stage at which it was left by the previous arbitrator (s).

11.3(3)(c)(ii): (a) The Arbitral Tribunal shall have power to call for such evidence by way of affidavits or otherwise as the Arbitral Tribunal shall think proper, and it shall be the duty of the parties hereto to do or cause to be done all such things as may be necessary to enable the

Arbitral Tribunal to make the award without any delay. The proceedings shall normally be conducted on the basis of documents and written statements.

(b) Before proceeding into the merits of any dispute, the Arbitral Tribunal shall first decide and pass its orders over any plea submitted/objections raised by any party, if any, regarding appointment of Arbitral Tribunal, validity of arbitration agreement, jurisdiction and scope of the Tribunal to deal with the dispute (s) submitted to arbitration, applicability of time 'limitation' to any dispute, any violation of agreed procedure regarding conduct of the arbitral proceedings or plea for interim measures of protection and record its orders in day to day proceedings. A copy of the proceedings duly signed by all the members of tribunal should be provided to both the parties.

11.3(3)(c)(iii): (i) Qualification of Arbitrator (s):

(a) Serving Gazetted Railway Officers of not below JA Grade level.

(b) Retired Railway Officers not below SA Grade level, one year after his date of retirement.

(c) Age of arbitrator at the time of appointment shall be below 70 years.

(ii) An arbitrator may be appointed notwithstanding the total number of arbitration cases in which he has been appointed in the past.

(iii) While appointing arbitrator(s) under Sub-Clause 10.3(3)(a)(i), 10.3(3)(a)(ii), 10.3(3)(b)(i) & 10.3(3)(b)(ii) above, due care shall be taken that he/they is/are not the one/those who had an opportunity to deal with the matters to which the contract relates or who in the course of his/their duties as Railway servant(s) expressed views on all or any of the matters under dispute or differences. A certification to this effect as per Annexure-XVI shall be taken from Arbitrators also. The proceedings of the Arbitral tribunal or the award made by such Tribunal will, however, not be invalid merely for the reason that one or more arbitrator had, in the course of his service, opportunity to deal with the matters to which the contract relates or who in the course of his/their duties expressed views on all or any of the matters under dispute.

11.3(3)(d)(i): The arbitral award shall state item wise, the sum and reasons upon which it is based. The analysis and reasons shall be detailed enough so that the award could be inferred there from.

11.3(3)(d)(ii): A party may apply for corrections of any computational errors, any typographical or clerical errors or any other error of similar nature occurring in the award of a Tribunal and interpretation of a specific point of award to Tribunal within 60 days of receipt of the award.

11.3(3)(d)(iii): A party may apply to Tribunal within 60 days of receipt of award to make an additional award as to claims presented in the arbitral proceedings but omitted from the arbitral award.

11.3(4): In case of the Tribunal, comprising of three members, any ruling on award shall be made by a majority of members of Tribunal. In the absence of such a majority, the views of the Presiding Arbitrator shall prevail.

11.3(5): Where the arbitral award is for the payment of money, no interest shall be payable on whole or any part of the money for any period till the date on which the award is made.

11.3(6): The cost of arbitration shall be borne by the respective parties. The cost shall inter-alia include fee of the arbitrator(s), as per the rates fixed by Railway Board from time to time and the fee shall be borne equally by both the parties, provided parties sign an agreement in the format given at **Annexure-XV** of GCC to this condition after/ while referring these disputes to Arbitration. Further, the fee payable to the arbitrator(s) would be governed by the instructions issued on the subject by Railway Board from time to time irrespective of the fact whether the arbitrator(s) is/are appointed by the Railway Administration or by the court of law unless specifically directed by Hon'ble court otherwise on the matter.

11.3(7): Subject to the provisions of the aforesaid Arbitration and Conciliation Act 1996 and the rules there under and relevant para of General Conditions of Contract (GCC) and any statutory modifications thereof shall apply to the appointment of arbitrators and arbitration proceedings under this Clause.

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

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

12-A Lien in Respect of Claims in other Contracts:

(i) Any sum of money due and payable to the Contractor (including the Security Deposit returnable to him) under the contract may be withheld or retained by way of lien by the Railway, against any claim of this or any other Railway or any other Department of the Central Government in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with this or any other Department of the Central Government.

(ii) However, recovery of claims of Railway in regard to terminated contracts may be made from the Final Bill, Security Deposits and Performance Guarantees of other contract or contracts, executed by the Contractor. The Performance Guarantees submitted by the Contractor against other contracts, if required, may be withheld and encashed. In addition, 10% of each subsequent 'on-

account bill' may be withheld, if required, for recovery of Railway's dues against the terminated contract.

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

13. Price Variation Clause (PVC): Price variation clause (PVC) is not applicable for this contract.

14. CONDITIONS OF CONTRACT AND SPECIFICATIONS:

- 14.1** Except where specifically stated otherwise in the tender documents, the work is to be carried out in accordance with "General Conditions of Contract April-2022" or the latest version.
- 14.2** The contractor will have to meet all the obligations of Contract Labour (Regulation & Abolition) act. & other laws & bye - laws, which are in force and will come into existence during the currency of work. Railways will not be responsible for paying any fine or penalty, if imposed by any court of law or by some other authority. If the firm is dissolved on account of death or retirement of any partner or for any reasons whatsoever before completing whole work or part of it under taken by the principal the partners will remain jointly and personally liable to complete the whole work to the satisfaction of the Railway. Otherwise, to pay the compensation for the work as sustained if any by the Railway due to such dissolution, the amount of such compensation shall be fixed by the General Manager of the Railway and his decision in the matter shall be final and binding on the firm / contractors.
- 14.3 TRANSFER AND SUBLETTING:** The contractor shall not sublet, assign or part with this contract to any other agency.
- 14.4** The contractor shall maintain a proper account of his receipts and disbursements. The amount of profits derived by the contractor out of this contract are liable to income tax and to facilitate this assessment, the contractor shall maintain a proper account of his receipts and disbursements, this account shall also be open for inspection or verification by the Railway Administration, whenever so desired.
- 14.5 "Provision of Employees Provident Fund and Miscellaneous Provision Act, 1952:** The contractor shall comply with the provisions of Para 30 & 36-B of the Employees Provident Fund Scheme, 1952; Para 3 & 4 of Employees' Pension Scheme, 1995; and Para 7 & 8 of Employees Deposit Linked Insurance Scheme, 1976; as modified from time to time through enactment of "Employees Provident Fund & Miscellaneous Provisions Act, 1952, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and the Rules".
- 14.6 RAILWAY PASSES AND ACCOMMODATION:** Railway passes or concession tickets for his /her/their workers and material will not be granted to the successful tenderer under any circumstances. The contractor shall have to make his own arrangements for his/her/their staff, material, tools, machinery etc.
- 14.7** The contractor shall ensure that, without prior written permission of the Railway, their employees shall not remain in the Railways premises after completion of their specified timings or on completion of their work under this contract.
- 14.8** Tenderer shall submit a **CLAUSE-BY-CLAUSE** comment on these tender conditions in the given format. The deviation schedule shall include both the General & Special Conditions of

Contract. Tenderers may note that it is not obligatory of said authority to accept the deviations.

- 14.9** All bids must be substantially responsive and in line with industry's best practices. Tenderer must ensure that the conditions laid down for the submission of the offers are completely and correctly fulfilled. Ambiguity should be avoided in filling tenders. Tenders which are not complete as stipulated may be summarily rejected. Bidders must include any information that is necessary to clearly evidence / bring out their compliance with respect to all the clauses in this document. Vendors are advised to be exhaustive.

15. STUDY OF LOCAL CONDITIONS:

- 15.1** The tender/s is advised to visit the site of work and investigate the actual conditions of works. The scope of work should also be examined before formulating the rates for complete items of work.
- 15.2** The contractor shall work in coordination with the departmental staff for the execution of the work. The Railways will have the right to associate its personnel with the entire work in all its phases with a view to develop their skills and understanding of systems. The contractor shall provide such personnel with all necessary information and facilities. The fact that some Railway staff associated with the contractor shall in no way reduce the responsibility of the contractor in any manner whatsoever.

16. PERIOD OF COMPLETION:

- 16.1** The overall work is required to be completed within **120 days** from the date of handing over of clear site to the contractor by the Railways. The work has to be started within 15 days from the date of issue of Letter of acceptance.
- 16.2** Time is the essence of contract. The contractors will be required to maintain steady and required progress to the satisfactions of the execution authority to ensure that the work will be completed in all respect within the stipulated period failing which action may be taken by the Railway Administration as per the clauses stipulated in "General Conditions of Contract April-2022" or the latest version and tender conditions specified in the documents of this tender.
- 16.3** The contractor shall not be entitled to make any claim, whatever against Railway Under or by virtue of or arising out of the contract after he/she/they shall have signed a '**NO CLAIM**' certificate in favour of Railways, in such form as shall be required by the Railway, after the work is finally executed.
- 16.4** There shall be no claim by contractor for slow progress of work or unsatisfactory conditions / handling of the project.

17. PAYMENT TERMS:

- (i) Payment will be made subject to satisfactory working duly certified by Sr. Divisional Mechanical Engineer (C&W), N. Rly., Lucknow or any gazetted officer as nominated by him. Sr. Divisional Mechanical Engineer, N. Rly. nominated by Chief Mechanical Engineer of respective divisions, the contractor shall be entitled to receive the value of the work against the work attended/completed during the month or after completion of target work after necessary deduction or recovery, which the Railway Administration may be entitled to make under the contract or any other contract. The final bill of executed work should be raised by the contractor within a month after completion of the target work in all respect as per the terms & conditions.
- (ii) Payment will be made by the Dy. FA&CAO/C/CB/LKO, N. Rly., Lucknow. All bills in four copies shall be submitted to concern CDO.
- (iii) Payment will be made only after verification & certification by the CDO/LKO and thereafter forwarded by the Senior Divisional Mechanical Engineer (C&W)/Lucknow.

- (iv) 60% of the total cost of individual equipment/machines/accessories i.e. **60% of gross total** (less adjustment towards Security Deposit) on receipt of all the machines and equipment at Lucknow Coaching Depot after the requisite inspection by RITES and acceptance of the same by CDO/LKO or his authorized Railway representative.

The aforesaid 60% payment, duly adjusted, for receipt of all the machines and equipments shall only be released after confirmation by CDO/LKO or his authorized Railway representative that the machines and equipments have been received in good condition and inspection certificates are submitted for the individual machines/equipments supply against this contract.

- (v) 20% of the total cost of individual equipment/machines/accessories i.e. **20% of gross total** (less adjustment towards Security Deposit) after installation of the mechanized laundry.

The aforesaid 20% value shall be released subject to successful installation of the mechanized laundry and acceptance of the same by CDO/LKO or his authorized Railway representative.

- (vi) 10% of the total cost of individual equipment/machines/accessories i.e. **10% of gross total** (less adjustment towards Security Deposit) after commissioning of the mechanized laundry and successful operation for a period of at least one month.

The aforesaid 10% value shall be released subject to successful commissioning of the mechanized laundry after clearance of the Commissioning Tests detailed in Para 36 of Special/Other Conditions and successful operation for a period of at least one month after commissioning.

- (vii) 10% of the total cost of individual equipment/machines/accessories i.e. **10% of gross total** (less adjustment towards Security Deposit) after satisfactory performance of the mechanized laundry for warranty period i.e. three years from the date of commissioning.

No payment will be made to contractor for idle manpower, tools, plant & machines, if clears site is not made available or otherwise, the contractor is expected to take necessary step to avoid his losses till such cases.

- (viii) All taxes and statutory liabilities as applicable from time to time will be borne by the contractor.
- (ix) 2% income tax, 15% surcharge on I. Tax, 3% E-Cess on I. Tax and labour cess (as and if applicable) shall be deducted from bill and necessary I.T deduction certificate will be issued by bill paying authority.
- (x) All the taxes legally leviable shall be payable by the contractor. There will not be any increase in rate on account of change in rate of taxes other than service tax for the entire contract period.
- (xi) The value of contract and quantities given in the attached schedule of rates and quantities are approximate and are given only as a guideline. These are subject to variations/ additions and/or omission. The quantum of the work actually carried out shall not form the basis of any dispute regarding the rates to be paid and shall not give rise to any claim for compensation on account of any increase or decrease either in the quantity or in the contract value.

17.1 BILL PASSING AUTHORITY: Sr. DME/C&W/NR/LKO.

17.2 BILL FORWARDING AUTHORITY: Sr. Divisional Mechanical Engineer (C&W) or any other nominee of the Northern Railway, Divl. Office, Hazratganj, Lucknow.

17.3 PAYING AUTHORITY: Dy. FA&CAO/C/CB/LKO, N. Rly, Lucknow.

17.4 PENALTY FOR DELAY IN COMPLETION/NON-ATTENDING TO CERTAIN ACTIVITIES:

In case the contractor fails to execute and complete the work within the time specified in the agreement or within the period of extension granted by the accepting authority, a penalty may be

levied except for the case where the delay is purely on the part of the Railways. In this regard the decision of railways would be final. (Refer penalty clause of special condition).

17.5 The railway administration reserves the right for deduction of Railway dues from contractor's security amount / bills on the following grounds:

- a.** Any amount imposed as a fine by the railway administration for irregularity committed by contractor.
- b.** Any amount which Railway Administration becomes liable to pay the Govt./third party on behalf of any default of the contractor or any of his servant/agents.
- c.** Any payment / fine made under an order/judgement of any court /consumer forum or law enforcing agency or any person working on his behalf.
- d.** In all contractual matters, decision of Sr. Divisional Mechanical Engineer will be final, who will also be the appellate authority in all matters.

17.6 All disputes are subject to the Jurisdiction of the Hon'ble High Court, Lucknow and/or its subordinate courts only.

17.7 RIGHT TO THE RAILWAY TO DEAL WITH TENDERERS:

The Railways reserve the right to accept in full/ a part thereof/ reject the tender without assigning any reasons.

Sr. Divisional Mechanical Engineer (C&W)
Northern Railway, Lucknow
(For and on behalf of President of India)

I/We agree to abide by above terms and conditions as well as General Conditions of Contract April-2022 with latest correction/amendment slips.

Sign. of the Contractor

Full name:

Address:

SPECIAL / OTHER CONDITIONS:

Special Conditions of Tender for “Setting up of Infrastructure for Linen Management Facilities at LKO Coaching Depot NR.”

1. The work shall be carried out as per ‘Scope of work’ as given in **Annexure-I** at LKO depot in Lucknow division.
2. **Before submitting tender, the tenderer will be deemed to have satisfied himself by actual inspection of site, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate.**
3. The work will be executed at LKO depot of Lucknow Division under concerned CDO/SSE/C&W (In-Charge) as per operational requirement of Railway as per “Scope of work (**Annexure-I**)”
4. The proposed work shall be carried out by the contractor at an earmarked area near LKO depot/station inside a shed provided by Railways. Approximate area of the site would be 70 mtrs x 20 mtrs. However, actual size may vary as per requirement of Railway. Details of the site and layout of machines & equipment can be discussed with CDO/LKO or any other authorized representative. Tenderer is advised to visit the proposed site.
5. **Issue of Entry Permit:** Contractor should issue Entry permit (as per approved format by concerned CDO) to all his labour being engaged to carry out the Work, including the Supervisor. These identity badges should be so carried that Railway Security can identify them. The Identity cards should be worn by the contractor’s labour on left side on the chest every time, during their presence on Railway Premises.
6. The Contractor has to deploy minimum 01 (one) qualified graduate or diploma engineer **as per IR GCC April 2022 or as per Railway Board letter no. 2012/CE-I/CT/O/20 dated 10.05.2013**, in full time who shall be in-charge of the work being done by the contractor and shall be in liaison with the authorised Railway Representatives. He shall maintain all the records regarding the work as specified by Railways. Supervisor should be available at all times during the execution of work.
7. **Laundry machines are to be supplied at Mechanized Laundry at LKO depot. The contractor shall be bound to supply, install and commission the laundry machines at above mentioned depot of Lucknow division of NR without charging any extra cost to Railways and warranty on such machines shall also be applicable as specified in this tender document. For any other queries, they can contact to the office of Sr. Divisional Mechanical Engineer/C&W/LKO during working hours.**
8. **The Laundry machines are to be commissioned on turnkey basis within a period of 120 days from the date of handing over of clear site to the contractor by the Railways. All civil work for foundation & grouting, electrical earthing for the machine, Plumbing work from water source & to the drainage; connection of steam supply from boiler, suitable electrical wiring between Machine & Electrical source by proper wiring, suitable water inlet piping between the Machine and the water source of suitable length, Dia. & material matching with existing system, provision of water outlet pipe of suitable length or any other civil, electrical work pertaining to the successful supply, installation & commissioning of the Mechanized Laundry machines at Mechanized Laundry LKO as decided by CDO/LKO or any other authorized railway representative have to be done by the contractor without charging any extra cost to the Railways.**
9. **The Laundry machines/Equipment supplied by the tenderer should be state of the art technology of a robust design and should be maintenance and operation friendly. All the electrical equipment/machines should be capable of running satisfactorily on 440V/220V AC electric supply. The laundry machines/equipment should have inbuilt protection for voltage fluctuation, including any sudden spikes with MCB control board.**

10. The contractor shall take approval of schematic diagram of mechanical and electrical installation and piping, wiring/cabling and discharge pipe line before start of installation of the machines.
11. If any staff/worker of the contractor is found indulging in undesirable activities, the contract may be terminated.
12. The contractor shall not permit anyone except his bonafide staff in Railway premises; otherwise, a penalty shall be imposed as decided by the Railway Administration.
13. The staff employed by the contractor shall be in proper uniform with identity card (as decided by the Railway Administration).
14. The staff employed by the contractor shall be suitably clothed on clean and orderly manner while on duty.
15. The contractor and his employees shall be courteous in their dealing with Rly. Authorities.
16. The cost of damage to the railway property if incurred during the execution of work will be borne by the contractor.
17. The contractor shall be liable for the safety of his workmen during the course of contract. It is made clear that no claim/ compensation would be entertained for any type of accident/incident involving his labour. Any compensation however as required under law would be payable by the contractor.
18. The contractor will not claim any additional charges towards installation, testing and commissioning of the machines, expenses of service engineer e.g. lodging, boarding, to and from conveyance for the quarterly, additional and any emergency visit.
19. The service register should be kept with the concerned section in charge of CDO/SSE/C&W/concerned and shall be duly entered and signed by the service engineer for each visit as and when the need arises.
20. Railway will issue a certificate in terms of joint note as a token of satisfactory service given by the service engineer.
21. Railway will not be responsible for any fault in the machine arising at the time of supply, installation, testing and commissioning for which contractor will not claim liability on Railways.
22. **Mechanized Laundry is the most vital plant of Coaching Depot/Lucknow, which directly related to linen service to passengers. Hence, breakdown/closed/inoperative of laundry machines will hamper the production of washed linen thus affect passenger service. So, for the warranty period of three years, contractor will have to depute one Service Engineer/Technician of their firm within Lucknow jurisdiction so, that after receiving of any breakdown calls, the machine shall be attended as soon as possible.**
23. The tenderer shall not take any advantage of any misinterpretation of the conditions due to typing or any other error in the tender document and if any doubt shall bring it to the notice of Sr. DME/C&W/LKO, Northern Railway without delay. In case of any contradiction, decision of the Sr. DME/C&W/LKO will be final in this regard.
24. The Railway may provide space for storage of materials, machines & tools etc, if available. However, in case of any loss/theft Railways shall not be responsible for these items. Normal single phase electricity connection for such storage space shall be provided at metered cost if required.

25. Payment Terms:

The payment shall be made to the contractor as per the following milestones: -

- a. 60% of the total cost of individual equipment/machines/accessories i.e. **60% of gross total** (less adjustment towards Security Deposit) on receipt of all the machines and equipment at Lucknow

Coaching Depot after the requisite inspection by RITES and acceptance of the same by CDO/LKO or his authorized Railway representative.

The aforesaid 60% payment, duly adjusted, for receipt of all the machines and equipments shall only be released after confirmation by CDO/LKO or his authorized Railway representative that the machines and equipments have been received in good condition and inspection certificates are submitted for the individual machines/equipments supply against this contract.

- b. 20% of the total cost of individual equipment/machines/accessories i.e. **20% of gross total** (less adjustment towards Security Deposit) after installation of the mechanized laundry.

The aforesaid 20% value shall be released subject to successful installation of the mechanized laundry and acceptance of the same by CDO/LKO or his authorized Railway representative.

- c. 10% of the total cost of individual equipment/machines/accessories i.e. **10% of gross total** (less adjustment towards Security Deposit) after commissioning of the mechanized laundry and successful operation for a period of at least one month.

The aforesaid 10% value shall be released subject to successful commissioning of the mechanized laundry after clearance of the Commissioning Tests detailed in Para 36 of Special/Other Conditions and successful operation for a period of at least one month after commissioning.

- d. 10% of the total cost of individual equipment/machines/accessories i.e. **10% of gross total** (less adjustment towards Security Deposit) after satisfactory performance of the mechanized laundry for warranty period i.e. three years from the date of commissioning.

No payment will be made to contractor for idle manpower, tools, plant & machines, if clear site is not made available or otherwise, the contractor is expected to take necessary step to avoid his losses till such cases.

26. Penalty Clause:

The Railways reserve the right to deduct the penalties for non-compliance of terms and conditions as stipulated in the tender on the part of the contractor as under:

- a. The work should be commenced within 15 days from the issue of LOA otherwise a penalty of Rs. 2,000/- per day will be levied on the contractor till the work started. However, if delay is due to Railway account, then no penalty will be imposed. Delay is due to Railways or Contractor shall be decided by Officer in charge of concerned depot.
- b. The workers should behave polite & maintain co-operation with Railway Officials. Any misbehaviour/misconduct or indulging in any activities in Railway premises, which causes damage to image of Railways by contractor's staff is highly undesirable and such incidents if reported, will impose a penalty of Rs. 2,000/- for each occasion on contractor. In addition to that, other actions as may be deemed fit by Railway Administration shall also be taken.
- c. In case contractor or his staff damage any part of Railway assets/property during the work then a penalty @ Rs.2,000/- per item plus cost of damaged item (as decided by Railways) shall be levied on the contractor. Sr. DME/C&W/LKO reserves the right to terminate the contract depending upon the gravity of the situation. In this regard decision of Sr. DME/C&W/LKO will be final.
- d. If any compensation/penalty is to be paid by the Railway in compliance of the order/judgment passed by the court, consumer forum or any other law-enforcing agency on default of the contractor or his person/servant/employee to the complainant, the said amount shall be liable to be paid by the contractor.
- e. For any adverse remark regarding work during inspection by any Railway Official, a penalty Rs. 5,000/- per occasion shall be imposed on the Contractor.
- f. The mechanized laundry is to be commissioned within a period of 120 days from the date of handing over of clear site to the contractor by the Railways, failing which a penalty of Rs 1,000/- (Rupees One Thousand only) shall be imposed on the contractor for each machine/equipment for

each additional day or part thereof, in case delay in commissioning of the plant is on the Contractor's account. The decision of the Railway Administration as to whether such delay is on account of Contractor shall be final and binding and the contractor would have no claim in this regard.

- g. A penalty of Rs 5,000/- (Rupees Five Thousand only) per day or part thereof for each day (after two calendar days, excluding the day on which the complaint is communicated to the contractor through e-mail, telephone, fax, whatsapp or any other mode, for this purpose contractor shall have to give one email ID, FAX no., telephone no., whatsapp account no. for transmission of any information about breakdown shall be treated on the basis of time of sending email/FAX/whatsapp by Railway office) that any of the mechanized equipment supplied and installed by the contractor are not functioning at their full efficiency resulting in sub optimal output from the mechanized laundry till they are attended satisfactorily. Service engineer shall be expected to be available at the earliest for attending to any problem being encountered in operation of the mechanized laundry or for any other reason what so ever.
 - h. If staff found working without PPEs, safety measures, Id card etc., a penalty of Rs. 200/- per staff per occasion shall be imposed on the contractor.
 - i. Apart from above, for violation of any other terms and conditions of the contract, a penalty up to Rs. 5000/- per occasion will be imposed on the contractor.
27. Railways reserve the right to impose penalty/penalties for non-compliance of the work as specified or for any undesirable activities, endangering the image of railways. In this regard decision of Accepting Authority will be final.
28. If any compensation/penalty is to be paid by the Railway in compliance of the order/ judgement passed by the court, consumer forum or any other law-enforcing agency on default of the contractor or his person/servant/employee to the complainant, the said amount shall be liable to be paid by the contractor.
29. The contractor being principal employer of the persons engaged and deployed by it for providing the services, shall alone be entitled to hire or fire or discipline them. Similarly, the contractor alone shall be liable to pay the wages, statutory dues, leaves etc. to such persons.
30. The Competent authority of Railway shall have the discretion to vary the quantity of items as well as to vary the items in a contract in accordance with the prevalent SOP (Schedule of Power) on works matter of Northern Railways. Extension of contract period (DP) if required by the Railway shall also be done in accordance with the relevant SOP (Schedule of Power) on works matter/ GCC of Northern Railways. Railway shall extend/reduce the validity of contract (DP) period as per operational requirement and the contractor shall have no objection and claim for the same.
31. In case of any contradiction between special terms & conditions of tender and general conditions, then the special terms & conditions shall prevail.
32. Addenda and corrigenda to the 'Special/other Terms and conditions' may be issued as & when necessary and the tenderer/s shall abide by them.

33. Performance Warranty:

The firm shall provide complete warranty for trouble free operation with low maintenance and down time for a period of **minimum 03 (three) years from the date of commissioning of the system**. Besides penalty, such defect shall be repaired at the cost of the firm. The wearing out/ consumables for maintaining the various items in good fettle shall also be replaced at the cost of the firm during the warranty period.

The contractor shall provide details of representative who shall liaise to organize maintenance and repairs. No separate charges whatsoever shall be paid to the contractor for reporting their representative for periodical/break down attention to the machines/equipment.

The Security deposit will be returned after successful completion of warranty period or else it would be forfeited.

34. Period of contract and No. of Visits:

- (a) The period of contract will be **120 days** from the date of handing over of clear site to the contractor by the Railways but the Railway Administration shall be entitled to enhance the contract period or terminate the contract at any time should in the opinion of Railway the cessation of work, becomes necessary owing to paucity of fund or any other cause what so ever by giving seven days' notice to the Contractor and the contractor is entitled for payment to the extent of work actually done to the Railway. Notice in writing from the Railway for such termination and reasons, therefore, shall be conclusive evidence thereof.
- b) In case any extra visits in emergencies, there will be no additional charges given for extra visits apart from above for repair/maintenance of machines.

35. RESPONSE TIME IN CASE OF EMERGENCY/BREAKDOWN:

In case of breakdown the service personnel must reach site and attend the breakdown within two calendar days, excluding the day on which the complaint is communicated to the contractor through e-mail, telephone, fax, whatsapp or any other mode of breakdown information given to vendor. To communicate the vendor has to provide an official email id and contact no. of service supervisor. The information will be given either by email, message/WhatsApp or mobile call.

36. Inspection & Commissioning Tests:

- i) Inspection of main machines/equipment (Washer extractor, Tumbler Dyer, Flat work ironer, boiler and compressor) by RITES at OEM's premises in case of Indian OEM and in case of imported equipment, inspection by RITES at Firm's premises along with inspection of import documents, Original Test and warranty certificate from OEM. The contractor shall provide General /Test Certificate of OEM for all the main machines/equipment. However, this OEM certificate will not be required for accessories like chimney, diesel tank, water tank, pipings, joints etc.
- ii) After all the installation work has been completed by the contractor, he will intimate in writing his readiness for under taking commissioning tests by consignee i.e. Railway, there after Railway shall conduct following two acceptance tests, which are required to be completed within a maximum period of 15 days (included in the allowed commissioning period i.e. 120 days): -
 - a) **Capacity Proving Test:** For the capacity tests only standard items of bedroll (excluding blankets) will be used. All Machines/equipments will be run for 6 cycles of 4 hours each spread over 3 days. The period of 3 days can be extended by up to TWO days at the discretion of the Railway Administration in case sufficient workload for undertaking the tests is not available. The total output of the washer extractors in kilograms for the best five cycles will be averaged to arrive at a figure of average output for 8 hours (i.e. total output of best 5 cycles in $\text{Kg} \div 2.5$), which will be taken as the capacity of the laundry. During the course of the capacity proving test, the tumbler dryers should be able to dry all the hand towels and the calendaring machines should be able to press all the bed sheets and pillow covers washed in the course of the capacity proving test.
 - b) **Endurance Test:** For the endurance tests only standard items of bedroll (excluding blankets). The mechanised laundry equipments shall be subjected to 2 cycles of 20 hours continuous working each. All machines should perform satisfactorily without any breakdown or failure. The total output of the washer extractors in kilograms for the two cycles will be averaged to arrive at a figure of average output for 8 hours (i.e. total output of 2 cycles in $\text{Kg} \div 5$), The average output per day so calculated during the endurance test shall not be less than 8 tonnes (80% of the designed capacity of the laundry). During the course of the endurance test, the tumble dryers should be able to dry all the hand towels and the calendaring machines should be able to press all the bed sheets and pillow covers washed in the course of the capacity proving test.

Note: 1. In case of failure to meet the above tests, at the most two additional opportunities shall be provided for each of the two above mentioned tests. In the event of continued inability to meet with the requirements of the above tests despite the additional opportunities provided, the Contractor will be required to replace the under-performing machines/equipments with all consequential penalties. For this purpose, weight of dry linen shall be considered.

2. The contractor has to provide free of cost the Johnson Diversey and Ecolab detergent & chemicals as test material for conducting the above-mentioned tests and any retests if required. He has also to arrange external dosing pumps for the trial period for testing of external dosing function. After trial period, contractor shall hand over external dosing pumps to Railways as property of Railways. **Cost of diesel and electricity required will be borne by contractor for the above-mentioned tests.** The electricity shall be available at metered cost. Also, manpower support for loading, unloading of linen and other required activities will be given by Railways during the tests.

37. Termination of contract:

If the contractor fails or neglects or refuses to observe/performs the terms & conditions / obligations under this contract, Sr. DME/C&W/NR/LKO may without prejudice to any other rights terminate the contract by giving seven days' notice in writing and recover from the contractor any loss or damages suffered on account of failure, neglect, refusal, violation or breach of terms & conditions of contract. The period of contract will be **120 days from the date of handing over of clear site to the contractor by the Railways** but the Railway Administration shall be entitled to terminate the contract at any time should in the opinion of Railway the cessation of work, becomes necessary owing to paucity of funds or any other cause what so ever by giving seven days' notice to the Contractor and the contractor is entitled for payment to the extent of work actually done to the Railway. Notice in writing from the Railway for such termination and reasons, therefore, shall be conclusive evidence thereof.

38. SAFETY MEASURES:

- a) Contractor shall be solely responsible for taking care of his/her staff & supervisor against any accident or safety risk. Railway administration shall not be responsible for safety of the staff of the contractor and hence the administration shall not be liable for any compensation arising out of accidents including loss of life, injury etc. while executing the work.
- b) The entire liability arising out of injuries/death will rest solely on the Contractor. Railway will not pay any compensation in case the contractor's staff sustain injury or in the event of death while working or in the Railway premises.
- c) The contractor's staff working in the Railway premises shall wear distinctive PPE kit to distinguish them from employees of railway.
- d) The contractor shall ensure industrial safety norms in execution of work in Railway premises.
- e) The Contractor shall abide by all instructions issued by Railway Administration from time to time in connection with safety of railway installations and personnel.
- f) The contractor shall take all precautionary measures in order to ensure the protection of his own personnel moving or working in the Railway premises and shall conform to the rules and regulations of the Central and State governments as well of the Railways.

39. Any typological error shall not be constructed to be benefit of the contractor, in all cases the interpretation & decision of Sr. DME (C&W)/NR/LKO shall be final and binding upon tenderer.

SCOPE OF WORK

Detailed Scope of work for “Setting up of Infrastructure for Linen Management Facilities at LKO Coaching Depot NR.”

The scope of work involves "Supply, Installation, Testing & Commissioning of machines/ equipment for augmentation of mechanized laundry at Lucknow Depot in LKO/NR division". The scope also includes the warranty support for minimum 03 years. The elements of the mechanized laundry include machine/equipment for mechanized washing, drying and ironing (calendaring) of linen etc. along with concomitant accessories. Basic specifications are given in Annexure-II.

1. The mechanized laundry is to be commissioned within 120days from the date of handing over of clear site to the contractor by the Railways. This period of 120-days includes the time for commissioning as well as testing.
2. The machines/equipment installed would be used for washing of bed sheets, hand towels and pillow covers. The current specifications of these items are as mentioned below:

S. No.	Item	Specification
a.	Bed sheets for 1AC Bed sheets for 2AC/3AC	Polyvastra Size 140x229 cms Handloom cotton bleached Size-140x229 cms.
b.	Hand towel Turkish	Cotton superior quality, Size 40 X 60 cms.
c.	Pillow cover for 1AC Pillow cover for 2AC/3AC	Polyvastra - Size 48x69 cms White handloom Size 32 X 62 cms with 3 cm border on all sides
d.	Blankets	Woolen- Size 140x229 cms

Besides the above items which account for major requirement of linen, other items such as Bath towels Turkish (size 81.3 X 152 cms) for First AC passengers, small & big curtains for AC coaches, blankets, blanket covers etc. may also require to be washed in the mechanized laundry.

The above specifications are the current specifications for items of linen supplied to passengers by Railways and are subject to change at any time with respect to dimensions and other specification.

3. For the guidance of the tenderer(s), the broad specifications of the machines/ equipment are as indicated in Annexure-II. The tenderer(s) are required to supply and install machines of proven technology meeting these specifications (or even superior), on turnkey basis, capable of tackling the designed workload to the desired quality standards of cleanliness.
4. The equipment/machines should incorporate all required safety features for avoiding damage to the machines/equipment/linen and/or injury to the operator or other personnel and equipment in the vicinity of the laundry.
5. The contractor shall furnish the layout drawings and detailed specifications of the various machines/equipment proposed to be supplied and installed as part of the contract. Detailed specifications of the machines/equipment, along with OEM's catalogues; Inspection certificate for each individual machines/equipment must be supplied at the time of delivery of the machines/equipment. The documentary proof for country of origin in case of imported machines, etc. is to be enclosed. The tenderer should provide proof that the machines/equipment proposed to be supplied will meet with the overall capacity requirement of the mechanized laundry.
6. As part of scope of work, the tenderer shall be responsible for the performance of the equipment supplied by him for ensuring satisfactory operation of the mechanized laundry for the entire contract period including warranty. The Contractor will provide complete technical support with regards to operation of various machines / equipment.
7. The tenderer should be able to import the equipment/machines, if so required, and deliver the same at proposed location of laundry. Railways shall have no liability in this regard.

8. The contractor shall have to adhere to all Railway specifications which are in force from time to time.
9. The tenderer shall furnish comprehensive guidelines with respect to operating procedures of the individual machines / equipment and of the mechanized laundry. The tenderer shall submit a full list of chemicals required along with sourcing details, including alternatives wherever feasible. The tenderer shall be required to furnish clarification, as required by Railways at any stage, as to these and related issues.

10. Schedule of Requirement: -

S. No.	Machines /Items/ Equipment to be supplied, installed, tested & commissioned	Qty.	Unit
1	Supply, Installation, Testing and Commissioning of High-Speed Industrial Washer cum Extractor (Cap- 120 Kg)	5	Nos.
2	Supply, Installation, Testing and Commissioning of Drying Tumbler capacity 120 Kg/Hr.	2	Nos.
3	Industrial Flat Work Ironer Machine, Double Roller, Size -800 dia. x 3000 MM length minimum, Steam Heated, Complete with all accessories	2	Nos.
4	Feeder suitable for Flat Work Drying Ironer size 800 Dia * 3000 mm	3	Nos.
5	Folder & Stacker suitable for Flat Work Drying Ironer size 800 Dia*3000 mm	3	Nos.
6	Air Compressor 15 Cfm at 9 kg/cm ²	3	Nos
7	Supply, Installation, Testing & Commissioning of Steam Boiler Capacity 850 Kg/per hour	3	Nos.
8	Raw Water Feed Pumps, HP/KW: 1.5/1.1, Suction: 50 mm, Delivery: 40 mm, Head: 25-meter, Capacity: 6m ³ /hr. (approx..)	2	Nos.
9	Water Softener, Capacity: 140 KL per regeneration	1	No.
10	Wet Linen Trolley, Size: L-40", B-30" & H-34" having Castor wheels of 6" inch dia., Material-SS	8	Nos.
11	Dry Linen Trolley, Size: L-40", B-30" & H-34" having Castor wheels of 6" inch dia., Material-SS/ FRP based	8	Nos.
12	Feeding and Folding Tables, Material- SS-304, Size- (LXBXH) 90"X30"X34" having Caster Wheel 6" dia., one under Shelf	5	Nos.
13	HDPE Water Storage Tank 20 KL	5	Nos.
14	Supply and fixing of Electric Control Panel & its Accessories	1	Job
15	Storage racks (SS 304) racks angle size approx. 4 X 2 X 6.5' (LXWXH) in feet with shelves at a gap of 20' each rack	8	Nos.
16	Perc Dry Cleaning Machine -15 Kg	3	Nos.
17	Plumbing Jobs- Water Pipelines, Steam condensate return pipeline, Compressed air line & Insulation of steam & condensate pipelines, etc.	1	Job
18	RO Water Plant, 1750 LPH	1	No.
19	Effluent Treatment Plant, Capacity- 50 KLD	1	No.
20	Diesel Generator Set Cap- 160 KVA	1	No.
21	Blanket Sterilizer Cap 48 Blanket per charge	2	Nos.
22	Colour Reader/Reflectometer	2	Nos.

23	Computer System (All in One PC)	2	Nos.
24	UPS 1 KVA	2	Nos.
25	Fire Fighting System	1	No.
26	Shifting, One Time Repair and Relocation of Old Set Up	1	Job
27	Air Handling Unit 20000 CFM	1	No.

11. Training/Technical Literature:

The tenderer shall have to give training to at least 10 to 15 Railway or non-Railway staff in operation & maintenance of the equipment for a minimum duration of 6 hours per day for a minimum period of 30 working days as per the training program/schedule mutually decided well in advance by the tenderer and authorized Railway representative. The training could comprise of on-the-job training, class room training, power point presentations, etc. The contractor may also provide virtual training module, CD's, etc. Class room, LCD projector, etc can be arranged at Coaching Depot, Lucknow by Railways free of cost. After completion of training, the nominated staff should become conversant with operating procedures of the required equipment and its maintenance. They should be in a position to understand the machine details and be able to operate the same and also carry out minor maintenance related works, failing which the duration of the training may be extended, as per requirement, solely at the discretion of Railways. No additional cost shall be payable by Railways for said training At least 3 hard copies and soft copy of the complete specifications, and maintenance/operating manuals of the equipment shall be supplied by the contractor.

12. Railway's Scope of Supply:

Water for installation and commissioning of the machine will be supplied by Railway free of cost. However, necessary cable/wiring for power and pipeline for water has to be arranged by contractor.

13. Inspection and certification of the mechanized equipment:

Mechanized equipment supplied shall be as per specifications/features as were quoted by the tenderer and accepted by Railways. In case of imported machines, the tenderer shall have to certify the country of origin with documentary proof acceptable to Railways.

i. Inspection And Testing by RITES:

An inspection to verify conformance to specification shall be carried out at the manufacture's works to the satisfaction of the appointed inspector or Agency. RITES will be the inspecting agency for the material, bidder to arrange RITES inspection with all inspection formalities for the material on her cost. However, inspection at the manufacturer's premises shall not include demonstration of working of the complete plant, which shall be demonstrated during commissioning at the consignee's premises. Real-time testing is to be provided by the contractor at Railway's premises. Manufacturers must have adequate facilities at their works for carrying out the inspection. The bidder shall clearly confirm that all facilities exist and shall be made available to the inspecting authority. All inspections charges are to be borne by the contractor. The bidder shall submit along with the bid a copy of the Quality Assurance Plan being followed at the manufacturer's works for ensuring quality of the product offered.

ii. The bidder must have valid ISO 9001: 2015, ISO 14001: 2015 and OHSAS 45001: 2018 or the bidder must have IMS certification. This certificate(s) must be valid on the date of opening of tender. As proof of validity, the bidder should attach a copy of the certificate issued by the certifying agency and also the last surveillance audit report, if applicable. Surveillance Audit and Re-certification, if due during the currency of the contract, will have to be ensured by the contractor. Self-attested copy of the referred certificates latest surveillance audit report issue by certifying agency shall be submitted by the bidder along with the tender document. In case of non submission of the required certificates the offer of tenderer will be rejected. **(Note: This document is mandatory, otherwise offer will be summarily rejected.).**

14. Warranty Obligation: -

The following conditions regarding Maintenance and reliability shall also apply: -

The machine shall be designed for a life of 15 years with regular maintenance and all the structural members of the machine and the foundation shall be guaranteed for 15 years against cracks breakages etc. during the course of normal operations. Tenderer would submit suitable undertaking. The warranty period in the offer shall survive for a period of **36 months from the date of commissioning** of machine. If the offer is found with less than 36 months or ambiguous/uncertain on warranty conditions, the tender is liable to be rejected.

15. Delivery/Work Completion schedule chart: -

In the event of acceptance of the offer, the laundry machines/equipment shall be supplied, installed and entire plant commissioned as per following milestone chart: -

Sr. No	Activity	Activity Code	Outer limit of time
1	Issue of LOA	D1	-
2	Submission of GA drawing, details layout drawing for installation of all equipment with complete details of all items of Mechanized Laundry along with information on power and other utilities required for all machines.	D2	D1 + 25 days
3	Approval of GA drawing, details layout and other details submitted in connection with Sr. No 2 above by the Consignee	D3	D2 + 5 days
4	Confirmation of availability of clear site by consignee	D4	By D3 (i.e. at the time of approval of drawing, plan etc.)
5	Completion of foundation and other civil work for installation of laundry machines	D5	D4 + 30 days.
6	Supply/Delivery of machine with all other pipeline, fittings and accessories with RITES inspection certification	D6	D5 +30 days
7	Installation, Commissioning and proving out of all machines by supplier	D7	D6 + 30 days
8	Issue of PTC & training of Railway staff/supervisors	D8	D7 + 30 days
9	Warranty of supplies/machines/equipment	D9	D7 + 3 years

Machines /Items/ Equipment Specifications

- (1) **High-Speed Industrial Washer cum Extractor (Cap- 120 Kg):** High-Speed Industrial Washer cum Extractor (Cap- 120 Kg) should incorporate the following features/specifications: -

Features	Description
Door	Front Loading door opening Diamin. 800 mm
Door interlock	Pneumatic cylinder used to lock the door electromechanically so that it opens only after the complete operation is over.
Drive Motor	15KW-18.5 KW
Paint	PU Paint done after complete rust removal through rust removal chemicals prior to epoxy priming & knifing putty base.
Water Inlet	1 No. Approx. Dia 50 mm. or as per design with Pneumatic operated valve
Drain	As per design, Pneumatic operated drain(s)
Steam Inlet	Approx Dia 25 mm or as per design. Pneumatic operated angle valve (SS)
Suspension	Through Heavy duty, special designed springs, shock absorbers etc.
Control	Fully automatic programmable.
Steam Consumption	Not more than 150 Kg/Hr.
Microprocessor	Machine equipped with standard programs and minimum 10 customer-based programs. Each program is identifiable with a name to make it easier for the operator to process batches of fabrics.
Wash/Extract	Min.30 /Min. 600 RPM for removal of maximum moisture after washing so that energy saving can be achieved in the drying/calendering processes
Hydraulic	Through Hydraulic Power pack (Load- 1.5 KW)
Special Features	Machine should have suitable tilt mechanism for easy loading/removing of linen.

Other important points:

- All parts of the machine in contact with water and chemicals must be constructed of Stainless steel and should be rust proof.
- The inside surfaces of the machine should be smooth and duly polished to avoid linen abrasion.
- The machine shall facilitate automatic dosing of chemicals in the correct proportions / quantities. At least 5 compartment in-built chemical dispensers should be provided for powder/ liquid detergents, each fitted with independent water solenoid valve pressure jet. There has to be optional provision for external liquid dosing also.
- The machine should be designed so as to ensure long life of bearings and shafts.
- The machine shall have all required safety features for avoiding damage to the machines / equipment /linen and/or injury to the operator or other personnel and equipment in the vicinity of the laundry.
- Each washer to be provided with separate hot and cold-water feeding pipelines.

(2) Drying Tumbler capacity 120 Kg/Hr.-

Features: -

- 1- Fully Programmable Logic Controller (PLC) with minimum 24 programs storage capacity to customize the programs according to the type of the linen.
- 2- Machine should be equipped with minimum 03 standard programs and minimum 20 customer-based programs. Each program is identifiable with a name to make it easier for the operator to process batches of fabrics.
- 3- Touch screen color display to visualize the step-by-step working process, easy to understand and program.
- 4- Output of dryer should be 100% dry.
- 5- Door lock should be designed in such a way that it shall work throughout the entire life of the machine without any maintenance and with emergency stop for safety & trouble-free operation.
- 6- Main Body/Outer Cabinet: Made of MS powder coated and cubical welded construction with glass wool insulation.
- 7- Inner Drum/Basket: -Made of Stainless-Steel sheet densely perforated on automatic machines with circles periphery of 1.2mm thick and perforation of dia. 8mm.
- 8- Lint Screen: -Made of Stainless-Steel self-collecting lint screen, easily accessible.
- 9- Industrial moisture sensor, together with the temperature sensor at the drum entrance should offer precise control of the moisture levels of clothing.
- 10- Door Interlock: - Pneumatic cylinder used to lock the door electromechanically so that it opens only after the complete operation is over.
- 11- Radiator should have 4 Rows steam radiator.

12- Special features:

- Front loading, open pocket.
- Forward and reverse basket rotation.
- Automatic with cool down feature.
- Fully Programmable Controller.
- Door Limit switch and emergency stop for safety & trouble-free operation.
- SS fine mesh for collect lint.

Technical data

SN	Parameter	Unit	Required Range
General			
1	Load Capacity	Kg/Cycle	120
2	Cycle time	Min./cycle	40-60
Power			
1	Drive motor	HP	Max. 2
2	Heating	HP	Max. 5.2
3	Blower motor	HP	Max. 2
Pipeline			
1	Steam inlet Pressure	Bar	4-6
2	Condensate outlet	Inch	1
3	Steam Inlet	Inch	1
4	Hot Air exhaust	mm ²	Max. 200 X 200
Consumption			
1	Steam consumption	Kg/hr	Max. 120

13. Make – Fabcare, Supershine, IFB , Stefab or similar reputed brand

(3) Industrial Flatwork ironer, double roller (Size-800mm dia x 3000mm length minimum) complete with all accessories: The flat work ironer should have following specifications:

1	Number of rolls:	02 Roller (Double Roller)
2	Type	Roller heated, Front Feed, Rear return
3	Heating	Steam heated

4	Roller dia (Padded)	Not less than 800 mm
5	Roller length	Not less than 3000 mm
6	Roller/Ironing speed	Roller speed should be such that minimum average output should be 15 mt / min with output linen in completely dried condition. Input linen shall be output of Washer –Extractor in wet condition.
7	Motors drive	Drive motor: One no, Min 10 HP, 3 phase induction motor Exhaust motor: Two nos, Min- 1 HP or One no – min 2 HP
8	VFD	10 HP, 3 Ph
9	Steam consumption	Maximum 200 Kg/Hr
10	Safety	<ul style="list-style-type: none"> • Front feeding side provided emergency finger guard which automatically stops the machine and lifts the roller. • Emergency finger guard automatically activates fast breaking and lifts roll emergency stop buttons should be provided on either end of the machine. • Mechanical locking of rolls in raised position.
11	Main body	<ul style="list-style-type: none"> • Base frame should be made out of painted Mild steel channels and stainless-steel feeding unit. • Side guards made out of MS Fabricated and powder coated.
12	Roller	<ul style="list-style-type: none"> * Roller shall be made of special grade steel (SS-304 or superior grade). • The Roller shall have perforations all around and precision machined (surface roughness value less than 10 micron) • The feeding belt shall be of imported polyester belts for longer life.
13	Gear Box	Shaft mounted heavy duty gear box.
14	Electricals	<ul style="list-style-type: none"> * In built electrical control panel, with indication lamps, contactors, relays, internal wiring. • Push button to start and stop the machine and Emergency stops on both sides of the machine. • Variable frequency drive with Adjustable speed.
15	Suction	Each roller should be provided with a Suction Blower to remove steam vapors from the cloth and maintain the dryness for higher efficiency.
16	Gap piece	Gap piece shall be steam heated and provided between the 2 Rolls.
17	Display and indication	Display contains following parameter <ul style="list-style-type: none"> • speed indicator • temperature indicators for Steam inlet, • compressed air pressure indicators • Indicators for roller pressure with adjustable button on both the sides. Roller and Exhaust temperature indicators.
18	Electric Supply	415 V \pm 10%, 3 - Phase + N, 50 Hz, AC.
19	Accessories	Four sets of Roller belt

Specifications/requirement of components of Flatwork Drying Ironer Machine:

- a. **Main Body:** Material of structure members: Mild Steel
Material of cover panels Mild Steel.
Modular construction.
Work counter (front): Stainless steel.
Linen collection counters (rear): Stainless steel.
- b. **Roller:** Material of the roller: special grade steel (SS-304 or superior grade).
Precision machined with perforations along its length and periphery for moisture suction.
Mounted on self-aligning bearings at the ends.
- c. **Drive:** Single motor working in conjunction with variable frequency drive.
Reduction gear box for transmitting power from electric motor to roller shaft through Helical Gear Sets Arrangement.
- d. **Gear Box:** Shaft mounted heavy duty gear box with gear rotation 40:1.
- e. **Suction:** Each roller should be provided with a suction blower to remove steam from the cloth to maintain dryness for higher efficiency.

(4) Feeder suitable for Flat Work Drying Ironer size 800 Dia * 3000 mm:

Supply, Installation, testing & commissioning of Automatic Feeder suitable for connection with all kind of Flatwork Ironer it should automatically supply the output flat fabric to Flatwork Ironer.

Make- IFB, FABCARE, Stefab or similar reputed brand. Automatic Feeder should have the following features: -

1. Easy to operate with front feeding board with height of 1020 mm.
2. The high-speed feeding roll should send the linen in the suction slot quickly and spread the linen flatly.
3. It should have high function suction motor which makes the feeding board high absorption force so that linen can be easily send into the feeder.
4. Holes in conveying belt to raise the efficiency of suction effect.
5. Feeder speed should be adjustable to match the Ironer.
6. It should be convenient to maintenance.

Automatic Feeder should have the following specifications: -

S. No.	Features	Description
1.	Rolling cylinder number	Double 100% Stainless Steel (304 grade SS)
2.	Width	3300 mm
3.	Speed	5-25 m/min
4.	Voltage	380-440 volt, 3-PHASE, 50 Hz
5.	Connection	4 sq.mm Copper wire 4 Pole
6.	Motor Power	Minimum 1.5 K.W.
7.	Motor	IE3 or better
8.	Gear Box Type	Helical worm reduction gear box
9.	Drive Type	Chain Driven with heavy duty gear
10.	Speed	Variable Speed Control (VFD)
11.	VFD Make	Schneider, Crompton Greaves or equivalent
12.	Main Belts Conveyor Belts	100% Polyester, Thickness 4mm (minimum), Width 150mm (minimum) with stainless steel comb hooks complete with SS wire. (spare belts to be provided with the machine)
13.	Safety Control	1. Finger Guard protection with reversible technology approved. (Auto reverse as per safety guidelines) 2. Emergency control switches on both side of the machine. 3. Overload/Short circuit Protection.
14.	General Features of M/c	1. Automatic belt adjustment 2. 320° contact angle 3. Uniform pressure for smooth finish 4. PLC Operated 5. Add a roll option should be possible
15.	Main Body of M/c	Heavy duty mild steel side plate made from CNC cutting machine. Heavy duty angle, square pipes, C-channels with rust proof Powder coating and the body should be phosphate to ensure rust protection.
16.	Width of feeder	3300 mm Exactly Equal to the ironer and should be able to Sync with the Ironer.
17.	Feeding Speed	05-40 m/min should be Sinkable to the ironer for efficiency.
18.	Air Consumption	210 L/Min

(5) Folder & Stacker suitable for Flat Work Drying Ironer size 800 Dia * 3000 mm:

Folder suitable for Flat Work Drying Ironer size 800 Dia * 3000 mm:

Fully synchronized/compatible with supplied Flatwork Ironer. It should automatically fold the linen output from Flatwork Ironer. Make- IFB, FABCARE, Stefab or similar reputed brand.

(a)	It should have LCD Screen and intelligent control system (PLC controlled) for ensuring perfect dialogue of human/machine.		
(b)	Minimum Two transverse and three longitudinal folding systems.		
(c)	Fold system should be done by intersection of airflow and strobe for ensuring folding quality.		
(d)	It should adopt intellectual PLC control system, frequency converter and microcomputer control system for ensuring calculation accuracy, output accuracy of judgment and action.		
(e)	It should have enable with acute and accurate operation, controlled mechanism, safety and reliability, and convenient to maintenance and easy to operate.		
(f).	Automatic Folder should have the following specifications: -		
	S.N.	Features	Description
	1	Numbers of folds	5-32-fold
	2	Maximum fold width	3000-3300 mm
	3	Maximum folding rate	50 m/min
	4	Drive	Belt
	5	Speed of Folding	5-60 m/min. should be adjustable
	6	Electric Supply	AC 415V, 3Ø, 50Hz,
	7	Electric Consumption	2.35 KW
	8	Motor	IE3 or better
	9	Display	Digital display with soft buttons.
	10	Type of Control	Fully Programmable Controller and is equipped with the ability to store programme.
	11	Air Consumption	500 L/min
	12	Inlet Pressure	0.65-1.0 Mpa
	13	Body material	Made of Stainless-Steel sheet SS-304 grade.
	14	Other features	1. Shall come with stacker with adjustable stacking quantity. 2. It should be capable to attach with Flat Work Ironer.
	15	Misc features: -	<ul style="list-style-type: none">• Safety features like overload protection.• Machines should be designed for long life of bearing/ shaft.• Automatic folder should be synchronization with Flat Work Ironer in all aspect.

Stacker suitable for Flat Work Drying Ironer size 800 Dia * 3000 mm:

Make- IFB, FABCARE, Stefab or similar reputed brand.

S. No.	Description	Remark
1.	Type	Bed Sheet Stacker
2.	Power supply	5 KW
3.	Motor	IE3 or better
4.	Material	Stainless Steel
5.	Lifting capacity	100 kg
6.	No. of Stacks	20 Stacks
7.	Size	For Flat work ironer suitable for 800 mm x 3000 mm.
8.	Intended use	To automatically stack and move the folded linens coming out of flat work ironer towards the packing area.

(6) Air Compressor Minimum 15 CFM at pressure of 9 Kg/cm²:

- Air compressor of adequate capacity (not less than 15 CFM), capable of delivering compressed air

at required pressures, with all the safety features, to fully meet the full load requirements of the entire mechanized laundry.

- The air compressor should be of reputed make like ELGI, Kirloskar, CP, Ingersoll or equivalent with adequate life, and requiring less maintenance.
- It should be installed complete with motor, Starter, Pressure switch, Pressure Gauge, V Belt & Belt Guard.
- Piping of compressed air between the compressor and the other machines will be in the scope of the work to be done by the tenderer. All necessary installation and plumbing will be done by the tenderer.

(7) Steam Boiler Capacity 850 kg/hr.:

Technical Specifications for Supply Installation and Commissioning of steam boiler capacity 850 kg/hr.

Technical Specifications/Features for Steam Pipeline existing running equipment's with existing boilers Separate Headers connected to each separate boiler with all equipment's separate steam line to each machine with all necessary safety features all headers and all separate steam lines are insulated by ceramic wool density 1200°C with aluminium cladding to minimize the heat loss & New boiler to new equipment's all steam pipe lines are to be fitted in such way that each boiler can be used in tandem with the other boiler or stand alone with all laundry equipment's new or existing New Boiler Chimney Dia – ID 350 mm x Height 8 mt with flue gas outlet duct SQ 200 x 300 mm, blow down tank concrete type approx. size – 3' x 3' x 3' ft overhead HSD tank 500 Litres with guaranteed scale to fuel level to indicate.

S. No.	Features	Desired Value
1	Description	Supply Installation and Commissioning of Non-IBR HSD fired vertical Steam Boiler with all its required accessories
2	Unique Design	Enhanced system efficiency flame technology combustion and consistently high production efficiency condensate ready. Condensate utilization and flash steam recovery
3	Capacity	<ul style="list-style-type: none"> • Steam output - 850 Kg/Hr min at 10 Kg/cm² pressure • Efficiency – 85% to 90%.
4	Steam Temperature at rated working pressure	180 ⁰ C (Minimum)
5	Working Pressure in kg/Sq.cm	7 Kg/cm ² to 10.5 kg/cm ²
6	Fuel	High Speed Diesel (HSD)
7	Boiler Frequency	Min. 85%
8	Water feed pump	2 no. of 2 KW each (Minimum)
9	Electric Supply	3 Phase 415 v AC. 50 Hz
10	Coil & Jacket Assembly	Pressure part assembly consisting of closely wound helical vertical membrane coil fabricated out of high temperature resistant ERW tubes and flats. Double Jacketed air casing with an aluminum radiator to enclose the pressure part. It also serves as an integral combustion air pre – heater
11	Heat Recovery Unit – Economizer	Shell and tube economizer housing serpentine coil with flue gas inlet and outlet duct duly insulated
12	Steam quality	95 % to 97 %.
13	Burner Assembly	Pressure atomized., forced draft, down firing burner assembly
14	Forced Draft Combustion Air fan assembly	Blower coupled with motor, mounted on bottom chassis, duly connected to the jacket.
15	Fuel Oil Pumping Assembly	Fuel pump with separate motor & mounted on pumping module.

16	Feed water pumping system	Water pump, with surge suppressor and relief valve, mounted on pumping module
17	Control panel Assembly	Dust protected pre – wired control panel with necessary switch gear, power and control circuit.
18	Auxiliaries	Set of tool kit
19	Piping	Feed water line between feed pump, economizer and boiler (flexible hose connection) fuel oil line between filter, fuel pump, Y – stainer, burner.
20	Mountings and fittings	Set of isolating needle valves for indicating instruments.
21	Steam circuit	Main steam stop valve, auxiliary steam stop valve, single port spring loaded safety valve, steam pressure switch for burner on– off control, steam pressure gauge. Steam temperature indicator – cum – switch for high alarm
22	Water Circuit	Drain valve for economizer (shell side) Relief valve on feed water pump, non – return valve on feed water line, ball valve for coil blow down, isolation valve for pressure gauge on feed water pump outlet, isolation valve for pressure gauge on economizer, isolation valve for pressure switch on pump suction, vent valve on compressed air line, isolation valve for economizer initial fill up, blow down valve limit switch, temperature indicator cum switch at feed water pump suction, pressure switch at feed water pump suction, pressure gauge on feed water pump outlet, pressure gauge on economizer
23	Fuel Circuit Oil line	Strainer, “Y” type on fuel oil line, drain line on fuel line, isolation valve for pressure gauge, main fuel filter simplex type, fuel pressure indicator.
24	Instruments, controls and safeties	Burner programmer with matching flame detector, set audiovisual alarms for abnormal conditions
25	Boiler Orientation/Installation	Vertical
26	Boiler Material of construction 1) Tube material of coil 2) Material of Jacket	1) BS 3059, Part 1, ST 320 (ERW) IS 1079 HR/IS – 513 Gr. D – CRCA
27	Control system	Automatic boiler control panel: - It should display pressure, temperature, water level monitoring. It can also feature safety alarms for low water level, high pressure and the failure.

(8) Raw Water Feed Pumps, HP/KW: 1.5/1.1, Suction: 50mm, Delivery: 40 mm, Head: 25-meter, Capacity: 6 m³/hr (approx.):

Operating Principle: - The raw water passes through a bed filled with small polystyrene beads known as ion exchange resins where sodium ions are exchanged for hardness forming ions.

Once the resin beads are saturated with calcium and magnesium, the unit enters a regenerating cycle. The softener is regenerated with brine. Sodium in brine solution replaces the calcium & magnesium ions in the resin beads.

Features/ Specification

- i. Flow rate required 6 cubic mtr/hrs (Minimum)

- ii. Maximum Operating Pressure- 10 Bar/ 150 PSI.
- iii. Minimum operating Temperature- 1 deg C.
- iv. Maximum Operating Temperature – 49 deg C.
- v. Maximum Vacuum (Neg Pressure)- 127 mm Hg (5” Hg)
- vi. HOS frontal pipe line should be provided with multi-port valve
- vii. It should be suitable for mechanized laundry and compatible with equipment as per schedule of requirement of the machines and equipments as stipulated for this tender.
- viii. The scope of this item includes supply and installation of water softener to supply softened water to boiler as well as to Washer cum Extractor.
- ix. The water softening plant should be of reputed make, with adequate life, and requiring less maintenance and less consumable.
- x. 05 nos Water flow meter to be provided to railways
- xi. 05 nos valves to be provided to be provided to railways.
- xii. Installation location as advised by railways.
- xiii. Contractor has to be provided one hardness meter and one PH meter.
- xiv. Water feed pump with the following features:
 - a. Capacity 4-5 HP or above as required for raising water upto height of 25 meters with discharge rate from plant at 6 cubic meter/hr
 - b. Mono block set (CI)
 - c. Number of pump Required- 02 No.

(9) **Water Softener, Capacity:140 KL per regeneration:** It should have following features/specifications: -

- One M.S. pressure vessel fitted with Strainer plate at the bottom, raw water and brine distributor at the top and externally fitted with supporting legs/brackets and necessary nozzles, coated internally with two coats of lead free anti- corrosive epoxy paint and externally with two coats of red oxide primer.
- Complete set of piping network with bends and fittings.
- Five Nos. Cast Butterfly Valves in the main pipeline.
- One set of regeneration assembly comprising of power valve, ejector, brine valve and brine suction line.
- One fresh charge of strongly acidic Cation Resin suitable for High Hardness.
- One open HDPE tank of suitable capacity for brine preparation and measurement along with Agitator & Motor with Gear Box of having capacity 02 HP or above as per requirement for dissolving Salt in tank of sufficient size to mix.
- Pressure gauges and sampling points at the inlet & Outlet.
- 01 Raw water pump (centrifugal/Monoblock) 3 Phase Make: Kirloskar or similar.
- **TECHNICAL SPECIFICATIONS:**

S. No.	Description	Data
1.	Plant Model	TEQUA 1600DX or similar
2.	Plant Diameter (mm)	1600 (Approx)
3.	Plant Height (mm)	1800 (Approx)
4.	MOC	Mild Steel Epoxy Painted
5.	Brine tank Capacity Lt	2000 (Approx)
6.	Pipe work & Valves size (Inch):	3 (Approx)
7.	Average Design Flow Rate (m3/hr.)	25 (Approx)
8.	Resin make	Indion 220 Na
9.	Regenerant Required	NaCl
10.	Quantity Regd. Per Regn. (Kgs)	40
11.	Treated Water Hardness	Below 5 PPM
12.	Total Output per Regeneration	550 m3 On RWH 300 PPM

- Contractor may submit his detailed plan for installation, storage capacity & output is compulsory as specified above. However, softener plant layout may be altered by contractor with approval of Railway authority.
- Cover shed of WATER SOFTENING Plant including storage tank.
- Two storage tanks of 20 KL capacity each, both tank to be installed as advised by Railway and 02 nos. overhead tank syntax tank of capacity 5000 litre each at the height of 5 m (approx.).
- All types of plumbing work from water softeners to washers are within the scope of the supplier.
- 02 nos. of pumps of capacity 1 HP each. Installation locations will be advised by railway officials.
- 05 nos. of digital flow meter as per site requirement. Installation locations will be advised by railway officials.
- Contractor has to be provided measuring of hardness meter, PH meter.

- (10) **Wet Linen Trolley:** Wet Linen Trolley should have following features/specifications:
Formed out of stainless-steel sq. pipe 25 x 25 mm stainless – steel grade 304, 16 SWG & ½” Round tubes stainless - steel grade 304 16 SWG fitted with 4 Nos swivelling type ball bearing wheels size – 150 x 50 mm

1	Trolley base – covered with stainless – steel sheet grade 304, 18 SWG
2	Trolley length – 1016 mm (Approx.)
3	Trolley width – 762 mm (Approx.)
4	Trolley Depth – 863 mm (Approx.)
5	Trolley structure members – Square pipe & round pipe stainless – steel grade 304 thickness 16 SWG
6	Wheels Size – 150 x 50 mm PU Castor (Approx.)
7	Holding Capacity – 100 kg (Minimum)

- (11) **Dry Linen Trolley:** Dry Linen Trolley should have following features/specifications:
Formed out of stainless-steel sq. pipe 25 x 25 mm stainless – steel grade 304, 16 SWG & ¾” Round tubes stainless - steel grade 304 16 SWG fitted with 4 Nos swivelling type ball bearing wheels size – 150 x 50 mm

1	Trolley base – covered with stainless – steel sheet grade 304, 18 SWG
2	Trolley length – 1016 mm (Approx.)
3	Trolley width – 762 mm (Approx.)
4	Trolley Depth – 863 mm (Approx.)
5	Trolley structure members – Square pipe & round pipe stainless – steel grade 304 thickness 16 SWG
6	Wheels Size – 150 x 50 mm PU Castor (Approx.)
7	Holding Capacity – 100 kg (Minimum)

- (12) **Feeding and Folding Tables, Material- SS-304, Size- (LXBXH) 90”X30”X34” having Caster Wheel 6” dia., one under Shelf:** It should incorporate the following features/specifications: -

- Table of large size having water proof wooden top and under shelf of Approx size: Length 90" breadth 30" and height 34" One under shelf of water proof wooden and Castor wheels of 6" Dia.
- It should be compatible with requirement of machine as per schedule of requirement of tender document as well as ease of operation for operator.

- (13) **HDPE Water Storage Tank capacity 20 KL with proper foundation and base elevated at height 6 m:** It should incorporate following features/specifications:

Specification	Sub-Spec	Value
Certification & Standards	Specification	Conforming to IS: 12701 (latest)
	Whether ISI Marked?	Yes
	CM/L Number	-
Generic	Shape of Tank	Cylindrical Vertical Tank
	Layers	Double Layered
	Lid Present	Yes
Size & Dimension	Dimensions of Tank	As per Table 1 (Cylindrical Tank) of IS: 12701 (latest)
	Minimum Net Capacity up to effective height	20000 Liter
	Minimum Wall & Bottom Thickness	22 mm
	Tensile Strength	As per clause 7.4 of IS: 12701 (latest)
Testing & Marking	Marking	As per clause 10 of IS: 12701 (latest)
Additional Requirements	Additional Requirement 1	As required by CDO/LKO or any other authorized representative
Certifications & Test Report	Availability of Test Report from central govt/NABL/ILAC accredited lab covering all parameters	Yes
	Test Report Number & Date- Must declare	OEM
	Name & Address of Lab- Must declare	OEM
	Agreement to Furnish all the test reports and certificates on demand	Yes

Note: - The elevation is for reference and may vary as per site requirement.

(14) Supply and fixing of Electric Control Panel & its Accessories:

Supply and fixing as per supplier's specifications required for design, installation, commissioning and operation of various equipments in the mechanised laundry. All items to be ISI mark and from reputed firm (L&T/Havels/Siemens). Railway will provide power connection only upto input connection at panel. There after contractor shall have to provide power supply connection to all machines and equipments by Cabling through trenching or other safe and proper way.

(15) Storage Rakes (SS 304) Rakes Angle Size approx. 4' X 2' X 6.5' (LXWXH) in feet with Shelves at a gap of 20' each rake: Storage Rakes (SS 304) should have angle size approx. 4' X 2' X 6.5' (LXWXH) in feet with Shelves at a gap of 20' each rake.

(16) Perc Dry Cleaning Machine- 15 Kg. - Dry cleaning machine should be of 15 kg. capacity (Make- IFB, FABCARE, Stefab, Milnor or similar reputed brand) and having following features or similar/superior specifications than below: -

- (i) Stainless Steel cylinder.
- (ii) Automatic dry control & steam heated & with distillation facilities.
- (iii) Perchloroethylene solvent recovery should not be less than 99%.
- (iv) It should have built in refrigeration and air compressor system.
- (v) Complete automated ELC computer easy to use and should have additional features to accommodate new programmes.
- (vi) The machine shall have all required safety features for avoiding damage to the machines/equipments/linen and/or injury to the operator or other personnel and equipment in the vicinity of the laundry.
- (vii) Safety door limit switch to be provided for operator.
- (viii) PLC control.

- (ix) Any loss to the Perchloroethylene solvent is to be replenished by the contractor during warranty period free of cost.

S. No.	FEATURES	DESCRIPTION
1	Per Blanket Washing Load 0.5 Kg's	Per Blanket Washing Load 0.5 Kg's
2	Total Washing Load/ Month 4800 Kg's approx.	Total Washing Load/ Month 4800 Kg's approx.
3	Total Washing Load/ Month 160Kg's approx.	Total Washing Load/ Month 160Kg's approx.
4	Working Hour's / Day 12	Working Hour's / Day 12
5	Total Number of Blankets 9600 approx. in 12 Hours	Total Number of Blankets 9600 approx. in 12 Hours
6	Washing Cycle	Washing Cycle 1 Hour
7	Per Hour Washing Load Required	Minimum 15 Kg. (Approx.)
9	Loading Capacity of Machines	80-90%

(17) **Plumbing Jobs- Water Pipelines, Steam condensate return pipeline, compressed air line & Insulation of steam & condensate pipelines, etc.:**

The Steam pipe line should be of sufficient factor of safety with suitable insulation to avoid heat loss. It should incorporate all safety features, gauges, hydrodynamic moisture separating valves for individual laundry equipment and all necessary fittings. It should be capable of carrying entire steam demand of all laundry equipments at their rated capacity from boiler without any appreciable heat and pressure loss. The Steam pipe line has to be fitted in such a way that all the new equipments as mentioned above can be used in tandem with existing equipments of LKO Mechanized laundry or stand alone with all laundry equipments.

Steam pipe line should be connected with existing boiler steam head with isolating valve so that laundry equipment can be operated in case of boiler breakdown.

Materials to be required for steam pipe line details as

S. No.	Features/Specification	Desired Value
1	Steam pipe for boiler to header	40 mm TATA/Jindal C Class IS: 1239 (Part – 1) 2004
2	Steam Pipe Line Heater to Machines	32 mm TATA/Jindal C Class IS: 1239 (Part – 1) 2004)
3	Steam Bronze Glove Valve for boiler to header connection	40 mm IBR NETA/ATAM/LEADER/WJ/SANT IBR 86 to 93 Gr A
4	Steam Bronze Glove Valve for header to machine connection size 32/25/20	32/25/20 mm IBR NETA/ATAM/LEADER/WJ/SANT/WJ IBR 86 to 93 Gr A
5	Hader IBR – 20 Bronze Thermodynamic Steam Trap Valve	20 mm IBR NETA/ATAM/LEADER/SANT/WJ IBR 282 (a) (iv) GrB
6	Non-Return Valve Bronze 40 mm/25 mm	40/25 mm IBR NETA/ATAM/LEADER/SANT/WJ IBR 282 (a) (iv) Gr B
7	Steam SS Ball valve 20 mm	Casting stainless Steel BS EN 17292 NETA/ATAM/LEADER/SANT/WJ
8	Ceramic Wool for Insulation double layer over the steam pipe	Density 1200 °C
9	Aluminium Sheet for steam pipe line cladding	24 SWJ for better strength
10	Condensate unit (For recovery of Steam)	Upto 3000 Kg condensate per hour
	<u>SALIENT FEATURES</u> • High motive inlet pressure up to 10 bar(g).	

	<ul style="list-style-type: none"> • Discharge of condensate of 25 liters per stroke. • High condensate temperature return. • Skid mounted unit – Easy to install. • LED display with 8 digits flow totalizer to display the total volume displaced up to 99999 m3. • Weather proof IP 52 & Ex-proof design options – suitable for outdoor installations. • Energy efficient pump – Steam trap drains and pump vent taken back to the receiver tank to minimize vent losses and save precious fuel. • Compact Plug-in type controller for level control. • LED Indicator for steam supply ON.
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Details of Condensate Unit: -

Condensate is formed when steam liberates heat and converts from vapour to liquid phase. The condensate is relatively pure compared to most water sources. Condensate is an excellent source of feed water for boiler. Since condensate has low TDS, concentration of TDS in boiler feed water is substantially lower, which results in a reduction of heat lost through blow-down, which reduces the amount of heat, required to maintain operating pressures.

Condensate has a fair amount of heat. For example, condensate at 3.5 Kg/cm² (g) contains approximately 144 kcal of heat per kg of condensate. If this hot water is fed to the boiler, the amount of heat required to heat it back to the saturation temperature of the boiler reduces. This means that the fuel consumption of the boiler will reduce. As a thumb rule, every 6 °C rise in feed water temperature leads to an improvement in thermal efficiency by 1%.

Technical Specification

Design Specifications

Design Code	ASME, BPVC Sec VIII Div
Design Pressure – Receiver	3.5 Kg/cm(g)
Max Motive steam Pressure	10 Kg/cm ² (g)
Discharge pressure per stroke	25 Liters

Material Specifications

Description	Specification
Receiver	IS-2062 Gr. B / SA 285
Pump body	IS-2062 Gr. B / SA 285
Dished ends	IS-2062 Gr. B / SA 285
Nozzles	ASTM A106

Nozzle schedule

Nozzle description	Nozzle size
Condensate inlet to receiver	40 NB
Condensate outlet from pump	25NB
Motive steam	15NB
Pump drain	15 NB Sr. BSP
Over flow	40NB

Discharge Capacities

Total lift/back pressure (kg/cm ² g)	Operating inlet motive pressure (kg/cm ² g)								
	2	3	4	5	6	7	8	9	10
0.5	600	650	680						
1	550	625	640	670	700	720	740	760	775
1.5		600	620	645	665	690	720	745	750
2		570	600	625	630	650	680	700	725
3			580	600	605	625	640	670	690
4					580	600	620	640	650

Note: all figures are in litres / hr (LPH)

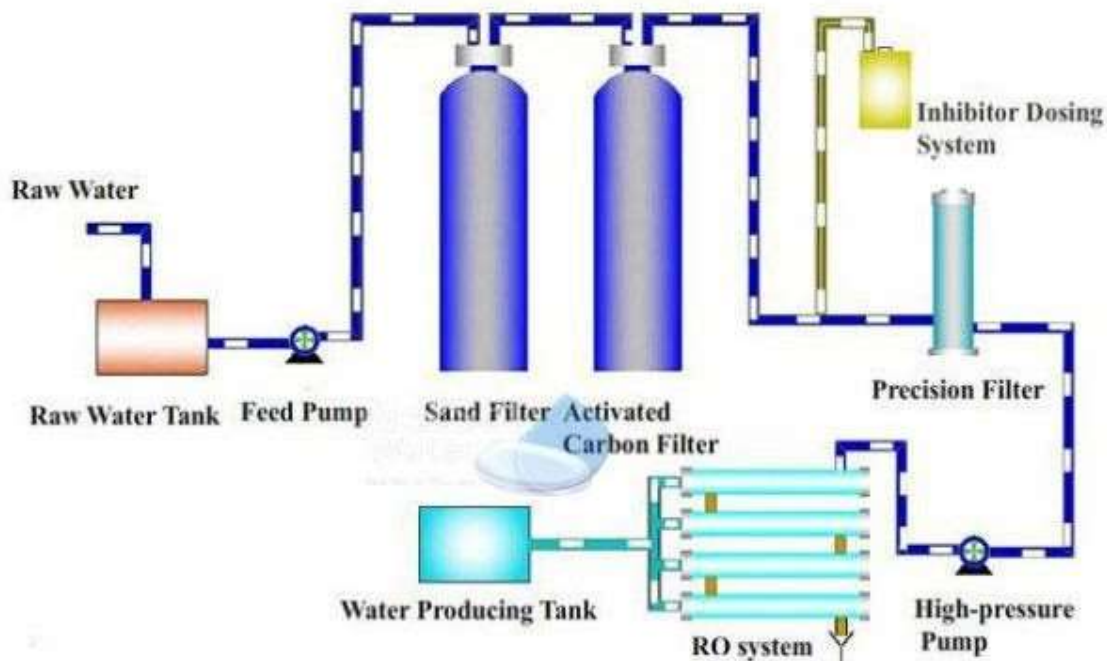
(18) RO Water Plant, 1750 LPH:

- It should have min. capacity of 5 cubic meters per hour.
- The scope of this item includes supply and installation of water softener to supply softened water

to boiler as well as to Washer cum Extractor, supply and installation of soft water tank for boiler (2000 ltrs capacity) at the height of 5m and other accessories. Water softener should be of FRP construction and should have adequate capacity to ensure supply of less than or equal to 5 ppm soft water to Boiler.

- The water softening plant should be of reputed make, with adequate life, and requiring less maintenance and less consumable.
- 05 nos. Water flow meter to be provided as per railway requirement.
- 05 nos. valves to be provided as per railway requirement.
- 01 storage tank of 20 KL capacity to be supplied by firm. Installation location as advised by railways. This storage tank is separate from 05 nos. of HDPE water storage tanks mentioned at S. No. 13.
- RO plant of 2000LPH capacity is to be provided. Technical specifications of RO plant:

S.No.	Feature	Specs
1	Purification capacity	2000 Liters per hour or higher
2	Membrane Housing	04 Nos
3	RO membrane	04 Nos
4	Material of construction	Stainless Steel
5	Operating voltage	220 V
6	Water tank for storage	2000 liter or higher (Triple layer good grade)
7	Raw water pump	01 Nos
8	High pressure pump	01 Nos
9	Sand filter, Activated carbon filter	To be provided by firm



Above RO plant layout is for illustration purpose only.

(19) Effluent Treatment Plant, Capacity- 50 KLD:

1. MAJOR DESIGN PARAMETERS

- Nature of wastewater: Linen Washing
- Capacity : Min. 50,000 Liters per day

Signature of Contractor

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Sr. DME (C&W)/NR/LKO

2. The tenderer shall be responsible for supply, installation, testing and commissioning of above capacity 'Effluent Treatment Plant' having 'Water Recycling' features as well. **System should be capable of producing reusable, recycled water up to minimum 50% discharged water quantities for washing of linen & exterior coach washing purposes**, if Railways desires so to use it.

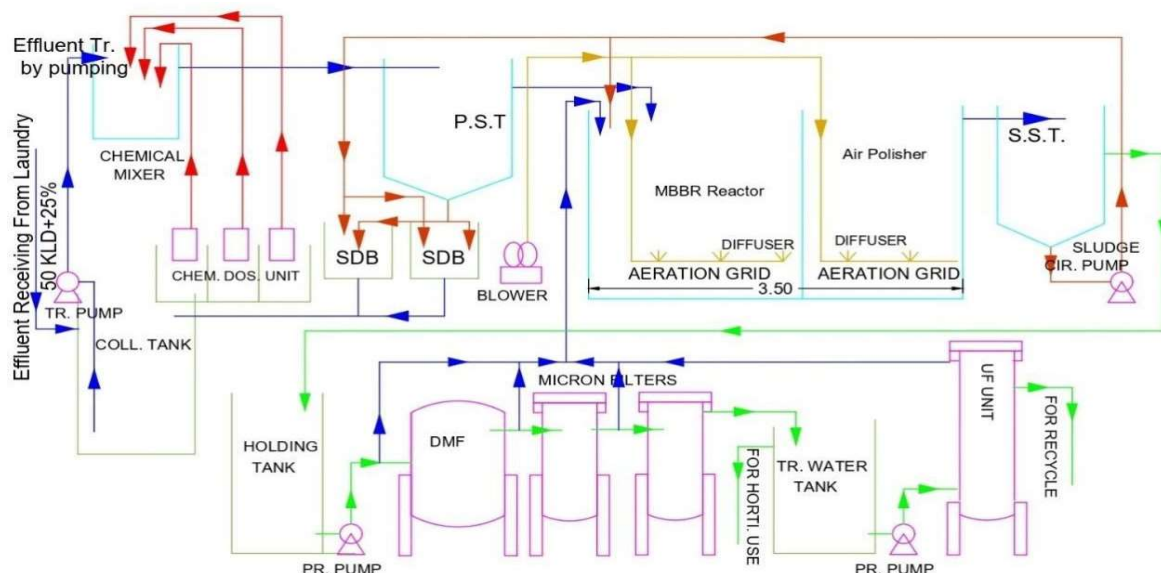
The plant shall be complete with a Central Electrical Power and Control Panel fully pre/site wired and with all power and control cables to all pumps and equipments including all instrumentation and other controls.

3. TREATMENT OBJECTIVES

- a) pH Improvement
- b) Oil & Grease removal, if available.
- c) Collection cum Equalization
- d) Chemical treatment of Effluent, pH Correction, Precipitation of inorganic impurities. Removal of colloidal & suspended impurities using Lime/Acid, Iron Sulphate/ Alum and Poly-Electrolytes, if required
- e) Sedimentation of chemically reacted effluent for the separation of suspended Impurities and precipitates prior to disposal.
- f) The recyclable water from ETP should meet the requirements for washing purposes with recycled water.

4. STANDARDS FOR TREATED & RECYCLED WATER:

- a) pH – 6.5 – 8.5
 - b) BOD – Less than 20 Mg/L
 - c) COD less than 100 Mg/L
 - d) Suspended Solids – Less than 10 Mg/L
 - e) Oil & Grease - < 5 Mg/L
5. The Final Effluent to be discharged must meet with the prevalent State Pollution Control Board (SPCB) norms & latest amendments made by NGT, if any.
 6. For the guidance of tenderers, an indicative schematic plan of ETP is given below, which should also be taken into consideration while finalizing the plan of ETP by the tenderers.



Note: It is only an indicative schematic plan of effluent treatment plant. Contractor has to propose & submit the detailed layout plan as per actual site feasibility for the approval by the Railways.

Largely, the proposed treatment plant should comprise the following:

No.	Description of item	Qty.	Make
1	Underground Effluent Collection Cum Eq. tank of Civil Construction	1No.	RCC
2	Effluent transfer pump to Chemical Mixer self-priming type	01 Set	Pump: KBL. / Eq.
3	Chemical mixer having rated capacity of 50 KLPD in MS Epoxy Coated (MSEP) with mixing arrangement, outlet, drain, overflow points	01 Set	Fact. Fab.
4	Chemical Dosing Unit consisting of dosing pump & tank of 50 Ltr.	3 Set	Pump: RANS/ LMI-Asia/ Eq.
5	Primary Settling tank in MS Lined FRP (MS-FRP) Construction	01 Unit	Fact. Fab.
6	Moving Bed Biofilm Reactor (MBBR) with Media, Bottom network Diffusers	01 Unit	Fact. Fab.
7	Air Polishing tank with Bottom network Diffusers	01 Unit	Fact. Fab.
8	Twin lobe air blower for Aeration in Aeration tank	01 Set	Airvac/Gurunank/E q. Motor: Kir. /ABB
9	Secondary Settling tank in MS Lined FRP (MS-FRP) Construction	01 Unit	Fact. Fab.
10	Sludge recirculation pump from Secondary Settling Tank (S.S.T.) to aeration tank & transfer to excessive sludge to Sludge Drying Beds (S.D.B.)	01 Set	Pump: KBL. / Eq.
11	Intermediate collection tank of 3,000 Ltr. in HDPE	01 Set	Tank: Sintex/ Eq.
12	Pressure Pump for feed to 50,000 KLD Dual Media Filter (DMF)	01 Unit	Pump: KBL.
13	Medium Density Fiberboard (MDF) in FRP construction with Graded media, Internal distribution network, frontal network and 40 mm NB MPV	01 Set	
14	Polishing filters of 2KLH with Micron Filters of 5 Micron	02 Set	Pump: KBL. / Eq.
15	Intermediate collection tank of 3,000 Ltr in HDPE	01 Set	Tank: Sintex/ Eq.
16	Sludge drying beds in PVC with Graded Media and Top Membrane	04 Nos	Fact. Fab.
17	Pressure pump for feed to Recycling Plant	01 Unit	Pump: KBL.
18	Ultrafiltration (UF) unit with two Modules for recycling of treated effluent in SS Skid	01 Unit	DOW/suze/E.q
	General Utility:		
19	Control Panel and cabling within battery limits.	01 Lot	
20	Pipeline, Valves, Fitting of the section within battery limit of plant	01 Lot	

TECHNICAL SPECIFICATIONS OF EQUIPMENTS & VESSELS OF PLANT:

1	U.G. EFFLUENT COLLECTION TANK:		
	a)	Purpose of the Collection tank	: Collect & hold receipt of Instant discharge water from laundry machines of Laundry Plant.

	b)	Size of Collection tank	: 3M X3M X 4M.
	c)	MOC of Collection tank	: RCC. (Reinforcement Cement Concrete)
	d)	Inlet connection to the tank	: From Last man hole.
	e)	Size of Inlet connection	: 80 mm NB. (Nominal Bore)
	f)	Outlet	: Suction of Transfer pump.
	g)	Size of Outlet	: 50 mm NB. (Nominal Bore)
	h)	Transfer of Effluent	: To Chemical Mixer for treatment.
2	EFFLUENT TRANSFER PUMP:		
	a)	Purpose of the equipment	: To transfer Effluent from Collection tank to Chemical Mixer
	b)	Rated Capacity of Equipment	: 105 LPM (Liter Per Minute); Head 10 M.
	c)	Type	: Self-Priming type.
	d)	Make	: Kirloskar /Crompton/Grundfos/ Eq..
	e)	Placement of Equipment	: Near U.G. (Underground) Collection Tank at suitable place from where suction line can be inserted in U.G. (Underground) Collection Tank.
	f)	Inlet connection to the tank	: From Last man hole.
	g)	Size of Suction line	: 50 mm NB. (Nominal Bore)
	h)	Discharge to	: Chemical Mixer tank.
	i)	Size of Discharge line	: 40 mm NB. (Nominal Bore)
	J)	Rated Capacity of Pump	: 1 H.P.;
	k)	Operating Voltage	: 220 Volt; Single Phase.
3	CHEMICAL MIXER:		
	a)	Purpose of the Equipment	: Mixing of Chemical to Effluent.
	b)	Rated Capacity of Equipment	: 50,000 Ltr/Day
		HRT (Hydraulic Retention Time) of Chemical Mixer	: 500 Ltr
		Size of the Chemical Mixer	: Ø 800 X 1000 (LD) + 250 MM FB. (Free Board)
	c)	MOC of Chemical Mixer	: MS-FRP. (MS Lined FRP)
		Make	: Fabricated by specified material as per drawing.
	d)	Construction Details	: Fabricated from MS 3 MM sheet inside lined by FRP and Outside painted by Epoxy.
	e)	Mode of Mixing	: Diffused Air from Twin lobe Blower.
	f)	Effluent Inlet to the tank	: From Effluent Transfer Pump.
	g)	Size of Inlet connection	: 40 mm NB. (Nominal Bore)
	h)	Outlet of Chemical Mixed Effluent	: To P.S.T. (Primary Settling Tank)
	i)	Size of Outlet	: 50 mm NB. (Nominal Bore)
	j)	Transfer of Effluent	: To Chemical Mixer for treatment.
4	CHEMICAL DOSING UNIT:		
	Chemical Dosing Unit comprising of a Chemical Solution preparation tank and a Chemical dosing pump.		
	a)	Purpose of the unit	: Dosing of Chemical solutions to Chemical Mixer.
	b)	No. of Chemical Dosing units	: 3 Nos.
	c)	Capacity of Chemical Solution tank	: 100 Ltr.

	d)	Type	: Round
	e)	MOC	: HDPE/ PVC
	f)	Make	: Sintex /Sheetal/Jindal/ Eq. (Equalisation)
	g)	Mixing arrangement	: Diffused Air from Blower
	h)	Dosing equipment	: Dosing pump.
	i)	Rated Capacity of Dosing pump	: 0 - 6 Ltr/Hr. (Max.)
	j)	Type	: Metering with Dose controlling mechanism
	k)	Make	: RANS/LMI-Asia/Rainbow/Eq. (Equalisation)
	l)	Operating Voltage	: 220 Volt; Single Phase.
	SECONDARY TREATMENT UNIT:		
	Secondary Treatment Unit comprising of P.S.T., Aeration tank and S.S.T. as a unit on a single SKID.		
		Purpose of the unit	: Secondary treatment of Effluent by Aeration.
5	PRIMARY SETTLING TANK (P.S.T.):		
	a)	Rated capacity of P.S.T. (Primary Settling Tank)	: 3500 LPH (Maximum Designed)
	b)	Size of P.S.T. (Primary Settling Tank)	: Dia 1.5 M X 2.0 + 0.2 FB (Free Board)
	c)	Type	: Round Conical Bottom
	d)	MOC	: MS-FRP. (MS Lined FRP)
	e)	Make	: Fabricated as per drawing.
6	MBBR REACTOR TANK:		
	a)	Rated capacity of Aeration tank	: 3500 LPH.
	b)	H.R.T. (Hydraulic Retention Time) required in Aeration tank	: 90 Min.
	c)	Hydraulic volume of Aeration tank	: 6.5 K.L. (Kilo Liter)
	d)	Size of Aeration tank	: 2 M X 1.8 X 1.8 (WD) (Water Depth) + 0.2 FB (Free Board)
	e)	Volume of Aeration tank	: 7.2 K.L. (Kilo Liter)
	f)	Aeration Mode	: Bottom Grid through Diffusers.
	g)	Type	: Rectangular
	h)	MOC	: MS-FRP. (MS Lined FRP)
	i)	Make	: Fabricated as per drawing.
	k)	Inside Lining	: FRP.
7	AIR POLISHING TANK:		
	a)	Rated capacity of Aeration tank	: 3500 LPH.
	b)	H.R.T. (Hydraulic Retention Time) required in Aeration tank	: 60 Min.
	c)	Hydraulic volume of Aeration tank	: 4.8 K.L. (Kilo Liter)
	d)	Size of Aeration tank	: 1.5 M X 1.8 X 1.8 (WD)(Water Depth) + 0.2 FB (Free Board)
	e)	Volume of Aeration tank	: 5.4 K.L. (Kilo Liter)
	f)	Aeration Mode	: Bottom Grid through Diffusers.
	g)	Type	: Rectangular
	h)	MOC	: MS-FRP. (MS Lined FRP)

	i)	Make	: Fabricated as per drawing.
	k)	Inside Lining	: FRP.
8	TWIN LOBE AIR BLOWER:		
	a)	Purpose of the equipment	: To supply Air to Chemical Mixer, Dosing tanks and Aeration tanks.
	b)	Rated Capacity of Equipment	: 25 CMH (Cubic Meter Per Hour); Head 3500 mm WGC. (Water Gauge Column)
	c)	Type	: Twin Lobe.
	d)	Make	: Airvac/Gurunanak/Everest/ Eq.
	e)	Drive arrangement	: Through 'V' Belt.
	f)	Drive particular	: 1 H.P.; 220 Volt; Single Phase.
	g)	Make of Motor	Kirloskar/ABB/ Crompton.
9	RECIRCULATION PUMP:		
	a)	Purpose of the equipment	: To re-circulate sludge from S.S.T. Secondary Settling Tank) to Aeration Tank
	b)	Rated Capacity of Equipment	: 25 LPM; Head 10 M.
	c)	Type	: Self-Priming type.
	d)	Make	: Kirloskar/ Crompton/Grundfos/ Eq.
	e)	Placement of Equipment	: Near U.G. (Underground) Collection Tank at suitable place from where suction line can be inserted in U.G. (Underground) Collection Tank.
	f)	Inlet connection to the tank	: From Last man hole.
	g)	Size of Suction line	: 25 mm NB. (Nominal Bore)
	h)	Discharge to	: Chemical Mixer tank.
	i)	Size of Discharge line	: 25 mm NB. (Nominal Bore)
	J)	Rated Capacity of Pump	: 0.5 H.P.;
	k)	Operating Voltage	: 220 Volt; Single Phase.
10	SECONDARY SETTLING TANK (S.S.T.):		
	a)	Rated capacity of S.S.T. (Secondary Settling Tank)	: 3500 LPH (Maximum Designed)
	b)	Size of S.S.T. (Secondary Settling Tank)	: Dia 1.8 M X 2.0 + 0.2 FB (Free Board)
	c)	Type	: Round Conical Bottom
	d)	MOC	: MS-FRP (MS Lined FRP)
	e)	Make	: Fabricated as per drawing.
11	INTERMEDIATE COLLECTION TANK:		
	a)	Purpose of the Collection tank	: Receive & hold Treated Effluent from Secondary treatment unit.
	b)	Capacity of Collection tank	: 3000 Ltr.
	c)	MOC of Collection tank	: HDPE.
	d)	Make	: Sintex/ Sheetal/Jindal/ Eq. (Equalisation)
	e)	Placement of Collection Tank	: Near to Secondary Treatment unit at suitable gradient place.
	f)	Inlet connection to the tank	: From S.S.T. (Secondary Settling Tank)
	g)	Size of Inlet connection	: 50 mm NB. (Nominal Bore)
	h)	Outlet	: Suction of Transfer pump.
	i)	Size of Outlet	: 40 mm NB. (Nominal Bore)

	J)	Transfer of Treated water	: To MGF (Multi Grade Filter) of tertiary treatment unit.
12	PRESSURE PUMP:		
	a)	Purpose of the equipment	: To transfer Effluent from Collection tank to Chemical Mixer
	b)	Rated Capacity of Equipment	: 55 LPM; Head 20 M.
	c)	Type	: Self-Priming type.
	d)	Make	: Kirloskar/ Crompton/Grundfos/ Eq.
	e)	Placement of Equipment	: Near U.G. (Underground) Collection Tank at suitable place from where suction line can be inserted in U.G.(Underground) Collection Tank.
	f)	Inlet connection to the tank	: From Last man hole.
	g)	Size of Suction line	: 40 mm NB. (Nominal Bore)
	h)	Discharge to	: Chemical Mixer tank.
	i)	Size of Discharge line	: 40 mm NB. (Nominal Bore)
	J)	Rated Capacity of Pump	: 1 H.P.;
	k)	Operating Voltage	: 220 Volt; Single Phase.
13	MULTI GRADE FILTER (MGF):		
	a)	Purpose of the equipment	: To restrict carry suspended solids, turbidity and pollutants after secondary treatment.
	b)	Rated Capacity of Equipment	: 3500 LPH.
	c)	Type	: Down Flow type.
	d)	MOC	: FRP/ LLDP (Linear Low Density Polyethene)
	e)	Media	: Graded for support & Top layer Antacids
	f)	Operation Control	: By Multi Port Valve (MPV).
	g)	Size of MPV (Multi Port Valve)	: 40 mm NB. (Nominal Bore)
14	POLISHING FILTER (MICRON):		
	a)	Purpose of the equipment	: To restrict carry Fine, turbidity and pollutant after secondary treatment.
	b)	Rated Capacity of Equipment	: 3500 LPH.
	c)	Type	: Out – In type.
	d)	MOC	: PP (Poly Propylene)/ LLDP. (Linear Low Density Polyethene)
	e)	Media	: Filtering Element
	f)	Cut off Size	: 5 Micron
15	TREATED WATER TANK:		
	a)	Purpose of the Collection tank	: Collection of Treated Effluent.
	b)	Capacity of Collection tank	: 3000 Ltr.
	c)	MOC of Collection tank	: HDPE.
	d)	Make	: Sintex/ Sheetal/Jindal/ Eq.
	e)	Placement of Collection Tank	: Near to Secondary Treatment unit at suitable gradient place.
	f)	Inlet connection to the tank	: From Micron Filter Outlet
	g)	Size of Inlet connection	: 40 mm NB. (Nominal Bore)
	h)	Outlet	: For use in Flushing and Horticulture Development
	i)	Size of Outlet	: 40 mm NB. (Nominal Bore)
16	SLUDGE DRYING BEDS:		
	a)	Purpose of the Beds	: Drying of Treatment Sludge

	b)	No. of Sludge Beds	: 4 Nos.
	c)	MOC of SDB (Sludge Drying Beds)	: PVC / HDPE.
	d)	Inlet connections	: From P.S.T. (Primary Settling Tank) & S.S.T. (Secondary Settling Tank)
	e)	Size of Inlet connection	: 50 mm NB. (Nominal Bore)
	f)	Outlet	: Back To Collection Cum Eq. Tan.
17	CONTROL PANEL:		
	a)	Purpose of the equipment	: To Operate all equipments of ETP (Effluent Treatment Plant) and control operations.
	b)	No. of Starters	: 9 Nos. (7 Oper. +2 Spare)
	c)	MOC of Box	: M.S. 14/16 Gauge; Surface Powder coated.
	d)	Make of electrical items	: L&T/ Siemens/Havels/ Eq ISI.
	e)	Cables	: Copper Conductor cables.
	f)	Make of Cables	: Finolex /GLoster/ICI/Polycab/Eq. ISI.
18	PRESSURE PUMP (FOR UF):		
	a)	Purpose of the equipment	: Pump To Recycling Filters.
	b)	Rated Capacity of Equipment	: 40 LPM; Head 30 M.
	c)	Type	: Horizontal Centrifugal Monoblock type.
	d)	Make	: Kirloskar/ Crompton/Grundfos/Eq.
	e)	Placement of Equipment	: Near Recycling plant
	f)	Inlet connection	: From Treated water tank.
	g)	Size of Suction line	: 40 mm NB. (Nominal Bore)
	h)	Discharge to	: UF (Ultrafiltration) Filtration unit
	i)	Size of Discharge line	: 40 mm NB. (Nominal Bore)
	J)	Rated Capacity of Pump	: 1 H.P.
	k)	Operating Voltage	: 220 Volt; Single Phase.
19	RECYCLING PLANT (UF UNIT):		
	a)	Purpose of the equipment	: Filtration of Treated water for recycling.
	b)	Rated Capacity of Equipment	: 2000 LPH.
	c)	Type	: Out – In type.
	d)	MOC	: PVDF. (Polyvinylidene Fluoride)
	e)	Make	: DOW/ SUZE/ Eq. (Equalisation)

(20) Diesel Generator Set Cap- 160 KVA:

(Make-Cummins, Kirloskar, Rishabh, Mahindra or similar reputed brand.

S. No.	Specification	Specification	Value
1	Output voltage capacity rating and frequency /Phase	Nominal Rated Capacity (KVA).	160 KVA, 415 V, 50 Hz
		No of Phase	Three phases
2.	Engine	Type of engine cooling	Liquid cooled
		Type of governor	Electronic
		Number of cylinders (Nos)	6
		No of strokes	4

		Fuel	High speed diesel (HSD)
		RPM	1500
		Specific fuel consumption (gm/kWh)	200 to 265
		Starting voltage (volt)	12
3.	Governing class	Class of governor	A2 or better
4.	Alternator	AC generator (alternator) Make	Leroy Somer or better
		Alternator voltage rating	415 volts
		Rating of AC generator (KVA)	160
		Power factor of AC generator	0.8
		Efficiency at rated power factor at 75% of full load.	92.7 %
		Conformity to Indian standard (for alternator)	Generally conforming to IS:13364 (part-2) latest above (20 KVA)
		Type of Alternator	Brushless
		Voltage regulation grade	VG 3
		Alternator IP Rating	IP 23
		Class of Insulation	H
5.	Control Panel	Control panel	AMF control panel
		IP rating of control panel	IP 55
		Display meters in the control panel (with appropriate rating and accuracy class) - inclusive in the scope of supply	Voltmeter, Ammeter, Frequency meter, Power Factor meter, Multifunctional Digital display meter (displaying Voltage, Current, Frequency, Power Factor)
6.	Acoustic Enclosure	Noise level at 1 meter (DB)	75

- (21) **Blanket Sterilizer Cap 48 Blanket per charge:** It should incorporate the following features/specifications: -

S. No.	Technical Specification	
1	Chamber Size	36"x36"x60" approx.
2	Capacity	48 blanket per cycle (minimum)
3	Mode of Heating	Steam
4	Sterilization Cycle Period	60 to 90 minutes approx.
5	Working Pressure	1.3 kg/cm ² approx.
6	Working Temperature	120°C approx.
7	Hydraulic Test Pressure	Jacket: 2.6 kg/cm ² approx. Chamber: 1.9 kg/cm ² approx.
8	Quality	ISO Certified
9	Electric Load	36-40 KW
Material of Construction		
1	Chamber	Stainless Steel 304
2	End Ring	Stainless Steel 304
3	Jacket	Stainless Steel 304
4	Back Plate	Stainless Steel 304
5	Door Plate	Stainless Steel 304
6	Insulation	Glass wool
7	Outer Cover	Stainless Steel 304 22 G sheet
8	Pipe Lines	Stainless Steel 304
9	Flange/ Connection	Stainless Steel 304
10	Locking Plate	Stainless Steel 304
11	Radial Arm (Hinge)	Mild Steel with duly powder coated
12	Gasket	Silicon Rubber Joint Less
13	Stand	Mild Steel with duly powder coated

14	Perforated Tray for Blanket Loading	Stainless Steel 304
15	Pipe Road for hot blanket handling	Stainless Steel 304
16	Detail Control and Fittings	
17	Control Valve	To Vary out all functions of sterilization cycle i.e. jacket to chamber, Fast Exhaust, Jacket Exhaust.
18	Door	Hinge type single door will be fitted with horizontal type opening and pressure locking device so that the door cannot be opened till the steam is fully exhausted from the chamber.
19	Quick Vacuum Drying	This allows the filtered and sterilizes air to break the chamber vacuum and helps quick drying
20	Accidental Vacuum Breaker	A Safety device for jacket against accidental vacuum and for air removal to obtain saturated steam.
21	Safety Valve	A Safety device against excess pressure – in jacket/ steam generator
22	Dial Type Temperature Gauge	Indicates sterilization temperature
23	Plug Screen	A device to prevent large particles from entering the chamber drain line.
24	Compound Gauge	Indicates chamber pressure/ vacuum
25	Pressure Gauge	Indicated jacket/ boiler pressure
26	Steam Trap	Float Type
27	Non-Return Valve	Horizontal Type
28	Water inlet valves	Ball Valve
29	Chamber condensate line	For through evacuation of air and condensate from the chamber to achieve optimum temperature.
30	Drain Line	S.S. 2” manifold
31	Vacuum Pump with fitting	Water ring type vacuum pump with pneumatic valve
32	Air Filter	1 No.
Steam Generator (Boiler) will be attached to underneath the jacket and fitted with....		
1	Heater	Water Immersion type industrial
2	Water Level Device	To protect heater from low water level
3	Glass Tube	To indicated water level in boiler
4	Outlet Valves	For water outlet
Panel Board		
1	Panel Board equipped with temp. Indicator, Timer, Buzzer, Rotary, Switch, Indicator, and contractor.	
Required accessories for manual operation of blanket sterilizer machine		
1	Programmable semi auto control with pneumatic control system for semi auto.	
2	Loading and Unloading carriage set stainless steel (one set) for handling.	
3	Direct steam supply facility from centralized boiler.	
4	Auto boiler feeding system.	

(22) **Colour Reader/Reflectometer:** Equipment should be equivalent or superior to the following: -

- It should be CR-14 of Konica-Minolta make or similar with all accessories.
- Illuminating/Viewing Geometry – 80:de (80 illumination angle/diffuse viewing).
- Measuring area–Approx.8mm dia.
- Display modes–Whiteness index: CIE, Hunter, ASTM E313.
- Minimum intervals between measurements–Approx.1 Sec.
- Repeatability – standard deviation of whiteness index: CIE:0.5, Hunter:0.1
- Power source – Four A – A Size batteries or optional AC adapter

h) Operating temperature/Humidity range – Temp:0–400C Relative humidity- 85%or less.

(23) **All in One Computer System:** It should incorporate following technical features/specification:

- a) Computer : All-In-One
- b) Processor : Core i5 10400 min
- c) RAM Size : 16 GB, min
- d) Storage Capacity : 512 GB min
- e) Type of storage : SSD,
- f) Display Size : 21.5’’ min monitor
- g) DVD : Digital Versatile Disk Rewritable
- h) Operating System : Windows
- i) Speaker : inbuilt
- j) Camera : HD
- k) Keyboard : Standard, Wireless
- l) Mouse : Optical Scroll, Wireless

(24) **UPS, 1KVA:** It should incorporate following technical features/specification:

S. No.	SPECIFICATION	VALUE
1	Rating	1.0
2	Technology	MOSFET-PWM
3	Inverter Efficiency (%)	60 % or better
4	Type of Battery	SMF – VRLA Confirming to JISC – 8702 Pt. 1, 2 & 3
5	Location of Battery	Inside The Enclosure of UPS
6	Number of Batteries	2
7	Rated Output (Volt) With Total Harmonic Distortion (%)	Single Phase Sine Wave 230v AC 50 Hz with Total Harmonic Distortion AS <3%
8	Input (Volt)	Single Phase AC (160-280V)
9	Variation in AVR Output in AC Mode (AVR Voltage Regulation)	230 Volts +/- 9%
10	Battery Capacity (Ah)	7Ah
11	Minimum Guaranteed Battery Backup Time (Minutes) on Full Load	15
12	Output Points	3

(25) **Fire Fighting System:**

S. No.	Description of Items	Make	Unit	Qty.
1	Fire Fighting System			
1.01	Supplying, laying, fixing, testing and commissioning Class B Medium MS Pipe conforming to IS:1239 including Paint / Primer and all necessary pipe fittings complete in all respects.	Jindal Hissar or similar		
a)	80 mm dia		Mtr	12
b)	100 mm dia		Mtr	70
1.02	Anti rust pipe protection Bitumen wrapping including compound and lap of 25mm on external M.S. pipe complete including surface preparation complete in			
a)	80 mm dia	R/M		360
b)	100 mm dia	Meter		350
1.03	Providing & fixing 63mm dia single headed female instantaneous pattern SS Landing Valve with blank cap and chain.	Omex or similar		

a)	Landing Valve (Hydrant)		Each	8
1.04	63 mm dia Hose Pipe (RRL - type A) as per IS:636. Type A with S.S male & female instantaneous type coupling (IS 903)	Omex or similar	Each	
a)	15 mtrs Long			6
1.05	SS 63 mm dia branch pipe with nozzle of 20 mm nominal bore outlet as per IS:903 suitable to fit with standard instantaneous type 63mm dia coupling ISI marked (IS:903) complete.	Omex or similar	Each	4
1.06	Fire Hose Cabinet for hydrants made of 18 SWG powder coated M.S. sheet having single or double opening glazed (4.0 mm thick glass) shutter including necessary locking arrangement by allan key, stove enamelled Fire red finish.	Omex or similar	Each	4
1.07	Supplying, erecting, testing & commissioning of Two-way fire brigade inlet complete in all respect.	Omex or similar	Each	2
1.08	Providing & fixing First Aid hose reel drum in red colour drum with 30mtr long 20m dia rubber hose reel with nozzle complete for fixing on wall with anchor fastner, bolts & nuts conforming to complete as required.	Omex or similar	Each	4
1.09	Providing and fixing High Pressure Pneumatic Pipe 20mm X 20 inch including providing necessary fittings			
	20mm		Each	4
1.10	Supplying, erecting, testing and commissioning CI Butterfly Valve of following sizes confirming to IS specifications.	LP or similar		
a)	80 mm dia		Nos	2
b)	100 mm dia		Nos	3
1.11	Supplying, erecting, testing and commissioning CI Dual Plate Check Valve of following sizes confirming to IS specifications.	LP or similar		
a)	100mm dia		Nos	4
1.12	Dial type Pressure Gauge 100 mm dia suitable for 0-10 / 16 kg/cm ² complete fitting	Warre / H Guru or similar	Nos	6
1.13	Pressure Switch of 100 IPS with necessary fittings	Indoss or similar	Each	2
1.14	Gunmetal auto acting air release valve with screwed inlet 25mm dia tested to 15 kg/cm sq.		Each	2
1.15	Brass ball valve full bore type plastic coated with hand lever and screwed ends female with complete fitting.	Zoloto / LP or similar		
a)	10 mm		Each	6
b)	20 / 25 mm		Each	10
1.16	PUMP (Electrically Driven)			
	Electric driven, suitable for automatic operation of horizontal single stage centrifugal type synchronous speed of 2900 rpm, TEFC conforming to IP-55 & flexible coupling guard mounted on a common structural base plate with 150mm dia gun metal pressure gauges with isolation cock and piping, suitable vibration elimination pads of approved design for pump foundation, motor to be suitable for 415 volts, 3 phase, 50 cycles AC.	Kirloskar or similar		
	Capacity 900 LPM at 3.5 Kg/cm² delivery pressure for Fire Hydrants 35 Mtr Head		Each	2

1.17	Dust, damp and vermin proof free floor standing factory-built sheet steel enclosed non-drawout modular Fire Fighting Control Panel , fabricated out of suitable sized square tubular section and covered with 2.0mm thick CRCA sheet, hinged doors of 2mm thick CRCA sheet, duly painted complete	L & T Fabrica tion or similar		
	Fully Automatic Star-Delta starters suitable for 9.3 KW motor with relay timer push buttons and Auto / Manual Selector Switch.			2
1.18	Providing and fixing of MS Angle / Channel for support of above ground pipeline including bolt fastner with welding.		Kgs	60
2	FIRE ALARM SYSTEM			
2.01	Smoke Detector to be installed in an enclosed area. Inbuilt blinking facility, which helps user to locate the exact area of fire/ smoke.	System Sensor/ Apollo or similar	Nos	32
2.02	Manual call box in suitable encloser arrangement to raise the alarm when the glass is manually broken as required.	Agni Kawach or similar	Nos	6
2.03	Electronic Hooter for wall mounting complete as required.	Agni Kawach or similar	Nos	6
2.04	Microprocessor based 02 ZONE Main fire alarm Control Panel with LCD Display to show the events of all condition with individual zones of each fire & fault.	Agni Kawach or similar	Nos	2
2.05	2 core 1.5 sq.mm , multi strand, copper conductor; PVC insulated GI Screened Armored cable with saddle and required accessories.	Lapp / bonton / Polycap or similar	R/m	400
2.06	Electrical Junction Box 3 X 3 inch for Electrical switch outlet MS Box terminal	Nos	Nos	4
3	EXTINGUISHER / EMERGENCY LIGHT			
3.01	ISI Marked ABC Fire Extinguisher Capacity - 6 Kg (Chemical MAP 50 conforming to IS:4308) Squeeze grip operation, stored pressure, Conforming to IS: 15683		Nos	8
3.02	ISI Marked CO₂ gas type fire extinguisher as per IS: 15683 - 4.5 Kg Capacity		Nos	4
3.03	Clean Agent (Stored Pressure) Type Fire Extinguisher ISI marked IS: 15683 filled with Clean Agent Gas. Complete in all respect.			
a)	2 Kg Capacity		Nos	4
4	WATER RESERVOIR 20000 LITRES*			
			Nos	1

*This reservoir is separate from that mentioned at S. No. 13 of BOQ.

(26) Shifting, One Time Repair and Relocation of Old Set Up:

S.No.	Machine	Make	Model No / Serial no	Capacity	Date of Commissioning	Activity to be done
1	Washer Extractor - 1	Fabcare	AWX-60/327	60 Kg.	05.12.2015	Dismantling and relocation
2	Washer Extractor - 2	Fabcare	AWX-60/328	60 kg.	05.12.2015	Dismantling and relocation
3	Washer Extractor - 3	Stefab	AXS-60/13548	60 kg.	27.11.2020	Dismantling, relocation and reinstallation

Signature of Contractor

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Sr. DME (C&W)/NR/LKO

4	Washer Extractor - 4	Stefab	AXS-60/13549	60 kg.	27.11.2020	Dismantling, relocation and reinstallation
5	Dryer - 1	Fabcare	DTS-60/387	60 kg.	05.12.2015	Dismantling and relocation
6	Dryer - 2	Fabcare	DTS-30/276	30 kg.	05.01.2015	Dismantling and relocation
7	Dryer - 3	Fabcare	763	60 kg.	18.04.2018	Dismantling, relocation and reinstallation
8	Dryer - 4	Fabcare	914	60 kg.	11.04.2019	Dismantling, relocation and reinstallation
9	Flat Work Drying Ironer - 1	Fabcare	FIS-20/577	3000*530 mm2	13.01.2020	Dismantling, relocation and reinstallation
10	Flat Work Drying Ironer - 2	Superfab	SFFWI/2025-26/01	3300*800 mm2	06.06.2025	Dismantling, relocation and reinstallation
11	Flat Work Drying Ironer - 3	Superfab	SFFWI/2025-26/01	3300*800 mm2	06.06.2025	Dismantling, relocation and reinstallation
12	Flat Work Drying Ironer - 4	Fabcare	FIS-20/1130	3000*530 mm2	13.01.2020	Dismantling, relocation and reinstallation
13	Flat Work Drying Ironer - 5	Fabcare	FIS-20/666	3000*530 mm2	13.01.2020	Dismantling, relocation and reinstallation
14	Steam Boiler - 1	Techmax	TE-0620/39	600 kg.	08.12.2021	Dismantling, relocation and reinstallation
15	Steam Boiler - 2	Ross	RSB 850	850 Kg.	14.11.2025	Dismantling, relocation and reinstallation
16	Steam Boiler - 3	Icon	RSB-400/644	400 Kg.	18.03.2018	Dismantling and relocation
17	Steam Boiler - 4	Ross	RSB 850	850 Kg.	24.11.2024	Dismantling, relocation and reinstallation
18	Steam Boiler - 5	Thermax	RAX-06/3179	600 Kg.	05.12.2015	Dismantling and relocation
19	Softner - 1	Techmax	----	----	08.12.2021	Dismantling and relocation
20	Softner - 2	Ross	----	----	14.11.2025	Dismantling, relocation and reinstallation
21	Softner - 3	Icon	----	----	18.03.2018	Dismantling and relocation
22	Softner - 4	Ross	----	----	24.11.2024	Dismantling, relocation and reinstallation
23	Compressor - 1	ELGI	AF-249/19A069	12 Kg.	05.12.2015	Dismantling, relocation and reinstallation

24	Compressor - 2	Air Field	SS0509HN/2555	12 Kg.	11.07.2019	Dismantling, relocation and reinstallation
25	D.G. set	Mahindra	VGPL-113	62.5 kVA	08.04.2016	Dismantling, relocation and reinstallation
26	D.G. set	Kirloskar	N4E/15TG2555	62.5 kVA	11.07.2019	Dismantling, relocation and reinstallation
27	Blanket Sterilizer	LABCO	LIRS-1200/233	48-Charge	07.06.2019	Dismantling, relocation and reinstallation
28	Blanket Sterilizer	Supershine	SBS-48-5	48-Charge	-	Dismantling, relocation and reinstallation
29	Oil dispensing unit with HSD Oil Tank	IOCL	-	-	-	Dismantling, relocation and reinstallation

Note: -

* Above noted list is indicative, this may vary as per requirement.

* One time repair of eligible equipments along with required spares and consumables will also be in the scope of contractor for which no extra payment will be done.

* Reinstallation will mean that the machine has been successfully made operational and is ready to use in all respects.

(27) Air Handling Unit 20000 CFM:

System Architecture

- 2 × Supply AHUs (10,000 CFM each) – duty/standby configuration with automatic switchover
- 1 × Dedicated Fresh Air Handling Unit (FAHU) – 5,000 CFM with enthalpy wheel
- 2 × Exhaust Air Units (EAU) – 9,000 CFM each for steam-laden air extraction
- 1 × Air-Cooled Scroll Chiller – 50-60 TR with glycol loop (freeze protection)
- Pressurization strategy: Slightly negative in boiler/steam zones, neutral in work areas
- Full BMS integration with steam boiler interlock and remote monitoring

Air Balance Strategy

Fresh Air: 10,000 CFM | Supply Air: 20,000 CFM | Return Air: 10,000 CFM | Exhaust: 30,000 CFM Net: Slightly negative pressure in steam zones prevents migration of humid air to clean zones.

TECHNICAL SPECIFICATIONS

The following specifications will be minimum mandatory requirements. Bidders shall comply in full or offer technical equivalents with written justification.

Parameter	Specification	Remarks
Indoor Design Temp (Cooling)	26°C ± 1°C DB	ASHRAE 55 / IS 3103
Indoor Design RH	55% ± 5% RH	Critical – steam environment
Outdoor Design Condition	46°C DB / 27°C WB	Summer peak – Uttar Pradesh
Cooling Load (Total)	60 TR (211 kW)	Includes steam latent load
Sensible Heat Ratio (SHR)	0.60	High latent due to steam
Fresh Air Requirement	10 ACH (min)	IS:3103; 10,000 CFM total
Air Changes (Total)	16 ACH	Supply + recirculation
Supply Air Volume	10,000 CFM per AHU	1 AHUs for redundancy
Exhaust Air Volume	18,000 CFM per EAU	Negative pressure maintained
Static Pressure (Supply)	50 mm WG external	Includes duct + diffuser loss
AHU Filter Efficiency	G4 pre-filter + F7 fine	EN 779 / ISO 16890

Chilled Water Supply Temp	7°C supply / 12°C return	Δ5°C design
Chiller EER	≥ 3.2 COP	BEE Star Rating 5★
Noise Level (AHU room)	≤ 70 dB(A)	Adjacent areas ≤ 55 dB(A)
Steam Boiler Interface	Interlocked – AHU on/off with boiler	BMS hard-wired interlock
Control System	BACnet/IP BMS, DDC	Siemens Design or equiv.
Power Supply	415V / 3Ph / 50Hz	UPS-backed BMS & controls

Quantity Description:

S. No	Description	Make/Model	Qty	Unit
SECTION A – AIR HANDLING UNITS				
1	Packaged Double Skin AHU – 10,000 CFM (Supply Air) with DX coil, chilled water coil provision, pre-filter G4, fine filter F7, EC fan motor, drain pan SS, inspection doors	Blue Star / Carrier / Daikin/equiv or similar	2	Set
2	Fresh Air Handling Unit — 5,000 CFM, energy recovery wheel (sensible + latent), EC motor, G4 pre-filter	Systemair / Swegon or similar	1	Set
3	Exhaust Air Handling Unit – 18,000 CFM, variable speed drive, SS casing (moisture-resistant), HEPA exit filter	Kruger / Nicotra or similar	2	Set
SECTION B – COOLING PLANT				
4	Air-Cooled Scroll Chiller — 60 TR capacity, R-410A refrigerant, EER ≥3.2, micro-processor controller, safety interlocks	Vestas / Daikin / York/equiv or similar	1	Set
5	Primary CHW Pump – 25 LPS @ 25 mWC, centrifugal, CI body, SS impeller, VFD compatible, standby 1 No	Grundfos / KSB/ equiv or similar	2	Set
SECTION C – DUCTWORK & DISTRIBUTION				
6	GI Ductwork (Supply & Return) – 26-gauge, double skin insulated with 25mm thermal insulation + AL foil, supply duct	IS:655 compliant	1,200	Sqft
7	SS Exhaust Ductwork (steam/moisture zones) – 18-gauge SS 304, flanged connections, moisture resistant	SS 304	600	Sqft
8	Diffusers (4-way supply) 600x600mm, volume control damper integrated, power coated	Trox/ Flaktgroup or similar	36	Nos.
9	Exhaust Grilles (600x300mm)- galvanized, adjustable louvers, bird screen)	Trax/Local or similar	24	Nos.
SECTION D – CONTROLS & BMS				
10	Building Management System (BMS) — Modbus/BACnet, 10" touchscreen HMI, temp/humidity sensors (per zone), remote monitoring	Siemens / Honeywell or similar	1	Set
11	Variable Frequency Drives (VFD) for AHU fans & pumps – IP54, IGBT based, harmonic filter	ABB/ Schneider or similar	6	Nos.

SECTION E – CIVIL, INSULATION & MISC			
12	Pipe insulation (CHW pipes) – 32mm nitrile foam, AL jacket, fittings	Armaflex or similar	As per requirement.
13	GI Piping (CHW supply/return) – Class C IS:1239, flanged fittings, pressure tested	Tata / Jindal or similar	
14	Vibration isolators, flexible connections, structural supports, GI hangers	Mason / Ace or similar	
15	Commissioning, testing, balancing, TAB report, operator training (3 days)	Specialist agency	

Scope:

- Detailed engineering, shop drawings, and as-built drawings.
- Supply of all AHU equipment, ducting, diffusers, and accessories.
- Installation, alignment, and commissioning of complete system.
- BMS programming, calibration, and handover documentation.
- Testing, Adjusting and Balancing (TAB) by third-party certified agency.
- Operator training (3 days on-site), O&M manuals, spare parts list.

List of machines / equipment to be Supplied, Installed and Commissioned by the tenderer for setting up a mechanized laundry at Lucknow depot, Lucknow Division (N.R.)

S. No.	Machines/Items/Equipment Descriptions	Qty.	Unit	Manufacturer Name & Model (to be given both)	Warranty Period (as specified by OEM)
1	Supply, Installation, Testing and Commissioning of High-Speed Industrial Washer cum Extractor (Cap- 120 Kg)	5	Nos.		
2	Supply, Installation, Testing and Commissioning of Drying Tumbler capacity 120 Kg/Hr.	2	Nos.		
3	Industrial Flat Work Ironer Machine, Double Roller, Size -800 dia. x 3000 MM length minimum, Steam Heated, Complete with all accessories	2	Nos.		
4	Feeder suitable for Flat Work Drying Ironer size 800 Dia * 3000 mm	3	Nos.		
5	Folder & Stacker suitable for Flat Work Drying Ironer size 800 Dia*3000 mm	3	Nos.		
6	Air Compressor 15 Cfm at 9 kg/cm ²	3	Nos		
7	Supply, Installation, Testing & Commissioning of Steam Boiler Capacity 850 Kg/per hour	3	Nos.		
8	Raw Water Feed Pumps, HP/KW: 1.5/1.1, Suction: 50 mm, Delivery: 40 mm, Head: 25-meter, Capacity: 6m ³ /hr. (approx..)	2	Nos.		
9	Water Softener, Capacity: 140 KL per regeneration	1	No.		
10	Wet Linen Trolley, Size: L-40", B-30" & H-34" having Castor wheels of 6" inch dia., Material-SS	8	Nos.		
11	Dry Linen Trolley, Size: L-40", B-30" & H-34" having Castor wheels of 6" inch dia., Material-SS/ FRP based	8	Nos.		
12	Feeding and Folding Tables, Material- SS-304, Size-(LXBXH) 90"X30"X34" having Caster Wheel 6" dia., one under Shelf	5	Nos.		
13	HDPE Water Storage Tank 20 KL	5	Nos.		
14	Supply and fixing of Electric Control Panel & its Accessories	1	Job		
15	Storage racks (SS 304) racks angle size approx. 4 X 2 X 6.5' (LXWXH) in feet with shelves at a gap of 20' each rake	8	Nos.		
16	Perc Dry Cleaning Machine -15 Kg	3	Nos.		
17	Plumbing Jobs- Water Pipelines, Steam condensate return pipeline, Compressed air line & Insulation of steam & condensate pipelines, etc.	1	Job		
18	RO Water Plant, 1750 LPH	1	No.		
19	Effluent Treatment Plant, Capacity- 50 KLD	1	No.		
20	Diesel Generator Set Cap- 160 KVA	1	No.		

21	Blanket Sterilizer Cap 48 Blanket per charge	2	Nos.		
22	Colour Reader/Reflectometer	2	Nos.		
23	Computer System (All in One PC)	2	Nos.		
24	UPS 1 KVA	2	Nos.		
25	Fire Fighting System	1	No.		
26	Shifting, One Time Repair and Relocation of Old Set Up	1	Job		
27	Air Handling Unit 20000 CFM	1	No.		

DEVIATION SCHEDULE

[illegible]

BID SECURITY

Bank Guarantee Bond from any scheduled commercial bank of India

(On non-judicial stamp paper, which should be in the name of the Executing Bank).

Name of the Bank: -----

President of India, Acting through,

..... Railway,

Beneficiary Railway

Date:.....

Bank Guarantee Bond No.:

Date:-----

In consideration of the President of India acting through ----- (*Designation & address of Contract Signing Authority*), Railway,, (hereinafter called "The Railway") having invited the bid for ----- through Notice inviting tender (NIT) No..., We have been informed that [*Insert name of the Bidder*] (hereinafter called "the Bidder") intends to submit its bid (hereinafter called "the Bid").

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

AND

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

1. KNOW ALL MEN that by these present that I/We the undersigned [*Insert name(s) of authorized representatives of the Bank*], being fully authorized to sign and incur obligations for and on behalf of the Bank, confirm that the Bank, hereby, unconditionally and irrevocably guarantee to pay to the Railway full amount in the sum of [*Insert required Value of Bid Security*] as above stated.
2. The Bank undertakes to immediately pay on presentation of demand by the Railway any amount up to and including aforementioned full amount without any demur, reservation or recourse. Any such demand made by the Railway on the Bank shall be final, conclusive and binding, absolute and unequivocal on the Bank notwithstanding any disputes raised/ pending before any Court, Tribunal, Arbitration or any Authority or any threatened litigation by the Bidder or Bank.
3. The Bank shall pay the amount as demanded immediately on presentation of the demand by Railway without any reference to the Bidder and without the Railway being required to show grounds or give reasons for its demand of the amount so demanded.
4. The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank or in the constitution of the Bidder.
5. The Bank agrees that no change, addition, modifications to the terms of the Bid document or to any documents, which have been or may be made between the Railway and the Bidder, will in any way absolve the Bank from the liability under this guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification made by Railway at anytime.
6. This guarantee will remain valid and effective from [*insert date of issue*] till [*insert date, which should be minimum 90 days beyond the expiry of validity of Bid*]. Any demand in respect of this Guarantee should reach the Bank within the validity period of Bid Security.

7. The Bank Guarantee is unconditional and irrevocable.

8. The expressions Bank and Railway herein before used shall include their respective successors and assigns.

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

10. The Bank hereby confirms that it is on the SFMS (Structured Financial Messaging System) and shall invariably send the advice of this Bank Guarantee to the following bank details –

IFSC CODE	
IFSC TYPE	
BANK NAME	
BRANCH NAME	
CITY NAME	
ADDRESS	
DISTRICT	
STATE	
BG ENABLED	

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

Date

.....

GCC April 2022

Place.....

Bank's Seal and authorized signature(s)

[Name in Block letters]

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

[P/Attorney] No.

Witness:

1 Signature, Name & Address & Seal

2 Name& address & Seal Signature

Bank's Seal

*[P/Attorney]*No.

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

Reference -Para 10.2 of Tender Form (Second Sheet)

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

NAME OF BIDDER/JV PARTNER:

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

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

SEAL AND SIGNATURE OF THE BIDDER

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

(Signature of Chartered Accountant)

Name of CA: _____

Registration No: _____

(Seal)

POWER OF ATTORNEY FORMAT FOR AUTHORISED SIGNATORY

(To be executed on non-judicial stamp paper of the appropriate value in accordance with Stamp Duty Act. The stamp paper should be in the name of the Firm / Company who is issuing the Power of Attorney in favour of Authorized Signatory).

POWER OF ATTORNEY

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

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

Dated this day of20.....

Place:

Signature.....

Name & Designation in Block letters of
Person authorized to sign Power of Attorney
for and on behalf of the Applicant Tenderer)

Common Seal of Company

I accept.

(Signature of Authorized Signatory)

Name and Designation of AS

Witness 1:

Signature :
Name :
Address :
Occupation :

Witness 2:

Signature :
Name :
Address :
Occupation :

Notes:

- a) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid by the applicable law and the charter documents of the executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- b) The obligations to Railway will not be affected by changes in the composition of the firm made subsequent to the opening of the tender / execution of the contract and / or grant of Revised Power of Attorney, if any, by the tenderer. However, changes in composition of the Firm and / or Revised POA should be promptly advised in writing to the Tender Issuing Authority / Contract Signing Authority as the case may be.

Signature of Tenderer

Signature of Tender Inviting Authority

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

I..... (Name and designation)** appointed as the attorney/authorized signatory of the tenderer

M/s..... (hereinafter called the tenderer) for the purpose of the Tender documents for the work of..... as per the tender No. of (Railway)** , do hereby solemnly affirm and state on the behalf of the tenderer including its constituents as under:

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

SEAL & SIGNATURE
OF THE TENDERER

Place:

Dated:

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

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

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

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

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

**SEAL AND SIGNATURE OF
THE CONSTITUENT FIRM/CONSTITUENT PARTNER**

Place:
Dated:

FORMS**Form No. E-5**

Electronic Clearing Service (Credit Cleaning)

Model Mandate Form

(Investor/ customer's option to receive payments through Credit Clearing Mechanism)

Name of the scheme and the periodicity of payment

No.

1) Investor/customer's name :

2) Particulars of Bank account :

A. Name of the Bank :

B. Name of the branch :

Address :

Telephone No. :

C. 9- digit code number of the bank and branch

Appearing on the MICR cheque issued by the bank:

D. Type of the account (S.B. Current or cash Credit)

With code (10/11/13)

E. Ledger and Ledger folio number:

F. Account number (as appearing on the cheque book)

(In lien of the bank certificate to be obtained as under.

Please attach a blank cancelled cheque or photocopy of cheque or front page of your savings bank pass book issued by your bank for verification of the above particulars).

3) Date of effect:

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information. I would not hold the user institution responsible. I have read the option invitation letter and agree to discharge the responsibility expected of me as a participant under the scheme.

(_____)

Signature of the Investor Customer

Date

Certified that the particulars furnished above are correct as per our records.

Bank's Stamp

Signature of Tenderer/s

Agreement towards Waiver under Section 12(5) and Section 31A (5) of Arbitration and Conciliation (Amendment) Act

I/we..... (Name of agency/Contractor) with reference to agreement no

 raise disputes as to the construction and operation of this contract, or the respective rights and liabilities, withholding of certificate and demand arbitration in respect of following claims:

Brief of claim:

- (i) Claim 1- Detailed at Annexure-
- (ii) Claim 2 –
- (iii) Claim 3 –

I/we..... (post of Engineer) with reference to agreement no..... hereby raise disputes as to the construction and operation of this contract, or the respective rights and liabilities, withholding of certificate and demand arbitration in respect of following claims:

I/we do/do not agree to waive off applicability of section 12(5) of Arbitration and Conciliation (Amendment) Act.

Signature of Claimant _____ Signature of Respondent ____

Agreement under Section 31(5)

I/we..... (Name of claimant) with reference to agreement nohereby waive off the applicability of sub section 31-A (2) to 31-A (4) of the Arbitration and Conciliation (Amendment) Act. We further agree that the cost of arbitration will be shared by the parties as per Clause 64(6) of the Standard General Conditions of Contract.

Signature of Claimant _____ Signature of Respondent ____

*Strike out whichever not applicable.

Certification by Arbitrators appointed under Clause 63 & 64 of Indian Railways General Conditions of Contract

1. Name:
2. Contact Details:
3. Prior experience (Including Experience with Arbitrations):
4. **I do not have more than ten on-going Arbitration cases with me.**
5. I hereby certify that I have retired from Railways w.e.f._ and empanelled as Railway Arbitrator as per 'The Arbitration and Conciliation Act- 1996'.
6. I have no any past or present relationship in relation to the subject matter in dispute, whether financial, business, professional or other kind.

Or

I have past or present relationship in relation to the subject matter in dispute, whether financial, business, professional or other kind. The list of such interests is as under:

7. I have no any past or present relationship with or interest in any of the parties whether financial, business, professional or other kind, which is likely to give rise to justifiable doubts as to my independence or impartiality in terms of The Arbitration and Conciliation Act-1996.

Or

I have past or present relationship with or interest in any of the parties whether financial, business, professional or other kind, which is likely to give rise to justifiable doubts as to my independence or impartiality in terms of The Arbitration and Conciliation Act-1996. The details of such relationship or interests are as under:

8. There are no concurrent Circumstances which are likely to affect my ability to devote sufficient time to the arbitration and in particular to finish the entire arbitration within twelve months.

Or

There are Circumstances which are likely to affect my ability to devote sufficient time to the arbitration and in particular to finish the entire arbitration within twelve months. The list of such circumstances is as under:

Format for Statement/information regarding “Employment/Partnership etc. of Retired Railway Employees”

Ref.: Clause 16 of second sheet of Tender Form of Indian Railways General Conditions of Contract, April 2022

1. Whether such retired Engineer or retired Gazetted Officer is so associated with the Bidder (Yes or No): _____
2. If yes, then Full information as the date of retirement of such Engineer or Gazetted Officer, if any, shall be clearly stated in writing at the time of submitting the Bid:

1.	Name of the retired Engineer of the Gazetted rank or Gazetted Officer working before retirement	
2.	Name of post in the department working before retirement	
3.	Employment category in the Bidder Firm (as Proprietor or as partner or as Director or as employee etc.)	
4.	Date of retirement from the service (from Government)	
5.	Whether permission for taking such contract has been obtained by the Bidder or the Engineer or Officer, as the case may be from the President of India or any officer, duly authorized by her in this behalf.	
6.	Any other information in this regard (if any)	

3. Information of relative(s) employed in gazette capacity in any department of Indian Railway, if any:

Note: If information required as per clause 16 of second sheet of Tender Form of Indian Railways General Conditions of Contract, April 2022, has not been furnished, the contract is liable to be dealt in accordance with provision of clause 62 of the Standard General Condition of contract.

OFFER FORM (SCHEDULE OF RATES)

E-Tender No.	289-Mech-CWUpLaundryLKO26
Name of work	Setting up of Infrastructure for Linen Management Facilities at LKO Coaching Depot NR.
Place of work	LKO C&W Depot
Period of work	120 Days from the date of handing over of clear site to the contractor by the Railways.
Total estimated tender value	Rs. 6,43,35,024.10 (Rupees Six Crore Forty-Three Lakh Thirty-Five Thousand Twenty-Four and Paise Ten Only).
Earnest money	Rs. 12,86,700.00 (Rupees Twelve Lakh Eighty-Six Thousand Seven Hundred Only).
Date of opening of tender	15:30 hrs. of 06.07.2026

Name of Work: - Setting up of Infrastructure for Linen Management Facilities at LKO Coaching Depot NR.

S. No.	Item Descriptions	Qty.	Unit	Unit Rate (in Rs.)	Total Value (in Rs.)
1	Supply, Installation, Testing and Commissioning of High-Speed Industrial Washer cum Extractor (Cap- 120 Kg).	5	Nos.	2059135.16	10295675.80
2	Supply, Installation, Testing and Commissioning of Drying Tumbler capacity 120 Kg/Hr.	2	Nos.	845900.00	1691800.00
3	Industrial Flat Work Ironer Machine, Double Roller, Size -800 dia. x 3000 MM length minimum, Steam Heated, Complete with all accessories.	2	Nos.	2579940.68	5159881.36
4	Feeder suitable for Flat Work Drying Ironer size 800 Dia * 3000 mm.	3	Nos.	1433490.24	4300470.72
5	Folder & Stacker suitable for Flat Work Drying Ironer size 800 Dia*3000 mm.	3	Nos.	1877447.58	5632342.74
6	Air Compressor 15 Cfm at 9 kg/cm ² .	3	Nos	413337.86	1240013.58
7	Supply, Installation, Testing & Commissioning of Steam Boiler Capacity 850 Kg/per hour.	3	Nos.	2293766.27	6881298.81
8	Raw Water Feed Pumps, HP/KW: 1.5/1.1, Suction: 50 mm, Delivery: 40 mm, Head: 25-meter, Capacity: 6m ³ /hr. (approx..)	2	Nos.	171300.90	342601.80
9	Water Softener, Capacity: 140 KL per regeneration	1	No.	1175697.72	1175697.72
10	Wet Linen Trolley, Size: L-40", B-30" & H-34" having Castor wheels of 6" inch dia., Material-SS	8	Nos.	54507.86	436062.88
11	Dry Linen Trolley, Size: L-40", B-30" & H-34" having Castor wheels of 6" inch dia., Material-SS/ FRP based	8	Nos.	44609.43	356875.44
12	Feeding and Folding Tables, Material- SS-304, Size-(LXBXH) 90"X30"X34" having Caster Wheel 6" dia., one under Shelf	5	Nos.	54906.58	274532.90
13	HDPE Water Storage Tank 20 KL	5	Nos.	171100.00	855500.00
14	Supply and fixing of Electric Control Panel & its Accessories	1	Job	356970.00	356970.00
15	Storage racks (SS 304) racks angle size approx. 4 X 2 X 6.5' (LXWXH) in feet with shelves at a gap of 20' each rake	8	Nos.	39093.75	312750.00

16	Perc Dry Cleaning Machine -15 Kg	3	Nos.	1400845.56	4202536.68
17	Plumbing Jobs- Water Pipelines, Steam condensate return pipeline, Compressed air line & Insulation of steam & condensate pipelines, etc.	1	Job	2270412.80	2270412.80
18	RO Water Plant, 1750 LPH	1	No.	362669.75	362669.75
19	Effluent Treatment Plant, Capacity- 50 KLD	1	No.	3955510.88	3955510.88
20	Diesel Generator Set Cap- 160 KVA	1	No.	1936370.00	1936370.00
21	Blanket Sterilizer Cap 48 Blanket per charge	2	Nos.	1763710.08	3527420.16
22	Colour Reader/Reflectometer	2	Nos.	259739.40	519478.80
23	Computer System (All in One PC)	2	Nos.	54088.90	108177.80
24	UPS 1 KVA	2	Nos.	5902.13	11804.26
25	Fire Fighting System	1	No.	3004137.22	3004137.22
26	Shifting, One Time Repair and Relocation of Old Set Up	1	Job	2885100.00	2885100.00
27	Air Handling Unit 20000 CFM	1	No.	2238932.00	2238932.00
Total Amount including GST (in Rs.)					64335024.10

Note:

- i) **Offer to be quoted online (through IREPS portal) only.**
- ii) The quantities shown in above Schedule are approximate and are as a guide to give the tenderer(s) an idea of quantum of work involved. The Railway reserves the right to increase/decrease and/or delete or include any of the quantities given above and no extra rate will be allowed on this account.
- iii) The tenderer/s shall quote single rate in % age above or below or at par over the total estimated cost of all items in the attached Schedule of Rates and quantities, The tenderer shall quote only two digits after decimals, more than two digits will not be considered while calculating the value of item and even value of the tendered work.
- iv) Before submitting tender, the tenderer will be deemed to have satisfied himself by actual inspection of rake/work at all concern depots of LKO Division, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate.
- v) Tenderer/s shall quote single rate in % age above or below or at par over the total estimated rate/s of each individual item and total value are to be calculated on the basis of quoted % age above/below/at par the estimated rates as accepted by Railway.
- vi) The offered rates shall be inclusive of all charges i.e., Transportation, Labour, Tools, Equipment & other applicable charges including GST (as applicable) and no separate charges would be paid whatsoever.
- vii) The contractor shall be responsible for ensuring/depositing of applicable Tax (s) (as applicable) including all legal obligations related to that.
- viii) 2% income tax, 15% surcharge on I. Tax and 3% E-cess on I. Tax shall be deducted from bill and necessary I.T. deduction certificate will be issued by bill paying authority.
- ix) Tenderer has to ensure that minimum wages are paid to all his deployed manpower along with fulfilling other mandatory requirement such as ESI, PF etc.

Signature of Tenderer	
Full Name of Tenderer	
Name of the Firm	
Date	

SCANNED COPY OF THE DOCUMENTS TO BE UPLOADED ALONG WITH OFFER

S. No	Document	Required in the form	If not submitted along with the tender, then
1	Cost of Tender Document	ONLINE MODE (no documentary proof required) (Nil for e-tender)	
2	Bid Security (in terms of Clause 2.3 of tender document)	ONLINE MODE (no documentary proof required) If exempted. (documentary proof required)	Summarily Rejected
3	Constitution of Firm documents (as required in terms of Clause 14 of the tender document)		Liable to be rejected
A	In case of Sole Proprietorship Concern	An undertaking that he is not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was / is a partner /member. Concealment/wrong information in regard to above shall make the contract liable for determination under clause 62 of the general condition of contract.	<p>“After opening of the tender, any document pertaining to the constitution of the firm/JV/Sole Proprietorship/Partnership/company/Registered/society/Registered Trust/LLP (as applicable), shall not be entertained/considered under any circumstances and no claim</p> <p>Or</p> <p>Representation what so ever from the tenderer in this regard shall be entertained”</p> <p>Note: If all the requisite documents pertaining to the constitution of the firm / JV/Sole proprietorship/partnership firm / Company/Society etc., as specified in clause 14, are not submitted, offer will be considered as incomplete and summarily rejected.</p>
B	In case of HUF	<p>a. A copy of notarized affidavit on stamp paper declaring that he who is submitting the tender on behalf of HUF is in the position of ‘KARTA’ of Hindu undivided Family (HUF) and he was the authority, power and consent given by other members to act on behalf of HUF.</p> <p>b. An undertaking that the HUF is not blacklisted or debarred by Railways or any other ministry / Department of Govt. of India from participation in tender on the date of opening of bids., either in individual capacity or as a member of partnership firm or JV in which HUF was / is a partner /member. Concealment / wrong information in regard to above shall make the contract liable for determination under clause 62 of the general Condition of Contract.</p>	
C	In case of a “Partnership Firm/Concern”	<p>The tender shall submit</p> <p>(i) A notarized copy of partnership deed.</p> <p>(ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm</p> <p>An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry/Department of the Govt. of India from participation in tenders/contracts as on the date of opening of bids, either in individual capacity or in any firm in which they were/are partners. Concealment/wrong information in regard to above shall make the contract liable for determination under clause 62 of the General Condition of Contract.</p>	
D	In case of a "JV Firm (Applicable only for works costing more	<p>Documents to be enclosed by the JV along with the tender:</p> <p>1) In case one or more of the members of the JV is/are</p>	

	<p>than Rs 10.00 crore)</p> <p>(Not applicable for this tender)</p>	<p>partnership firm(s), following documents shall be submitted:</p> <p>(i) A notarized copy of the Partnership Deed,</p> <p>(ii) A copy of consent of all the partners or individual authorized by partnership firm, to enter into the Joint Venture Agreement on a stamp paper,</p> <p>(iii) A notarized or registered copy of Power of Attorney in favour of the individual to sign the MOU/JV Agreement on behalf of the partnership firm and create liability against the firm.</p> <p>2) In case one or more members is/are HUF, the following documents shall be enclosed:</p> <p>(i) A copy of notarized affidavit on stamp paper declaring that he who is signing the affidavit on behalf of HUF is in position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF.</p> <p>3) In case one or more members of JV is/are companies, the following documents shall be submitted:</p> <p>(i) B copy of resolutions of the directors of the company, permitting the company to enter into a JV agreement,</p> <p>(ii) The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company.</p> <p>(iii). A copy of Certificate of incorporation</p> <p>(iv). A copy of Authorization/copy of Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender, sign MOU/JV agreement on behalf of the company and create liability against the company.</p> <p>4) All the members of JV shall certify that they are not blacklisted or debarred by Railways or any other Ministry/ Department of Govt. of India from participation in tenders/contracts on the date of opening of bids, either in their individual capacity or as a member of the JV In which they were / are members.</p> <p>Complete details as per Annexure VIII(A)</p>	
E	In case of a "Company"	<p>The tenderer shall submit</p> <p>(i). The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company.</p> <p>(ii). A copy of Certificate of incorporation</p> <p>(iii). A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company.</p> <p>An undertaking that the company is not blacklisted or debarred by Railways or any other Ministry/ Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a</p>	

		member of the partnership firm or JV in which the company was/ is a partner/member. Concealment/wrong information in regard to above shall make the contract liable for determination under clause 62 of the General Condition of contract.	
F	In case of “LLP” (Limited Liability Partnership)	The tenderer shall submit: (i). A copy of LLP Agreement (ii). A copy of Certificate of Incorporation (iii). A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual to sign the tender on behalf of the LLP and create liability against the LLP .An undertaking that the LLP is not blacklisted or debarred by Railways or any other Ministry/ Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of JV in which the LLP was / is a member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.	
G	In case of a ‘Society’	The tenderer shall submit: (i) A copy of Certificate of Registration (ii) A copy of Deed of Formation. (iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust.	

The Tenderer Should submit Scanned copy of Documents to be uploaded along with the Tender

S. No	Document	Required in the form	If not submitted along with the tender, then
1	<u>Technical Eligibility Criteria:</u> Completion/Performance Certificate in support of 30% or 40% or 60% similar nature of work as per clause 10.1 of tender document	Copy	Summarily Rejected
2	<u>Financial Eligibility Criteria:</u> The tenderer must have minimum average annual contractual turnover of V/N or V whichever is less; where V = Advertised value of the tender In crores of Rupees, N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite Information as per Annexure-VIA, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet, as per clause 10.2 of tender document.	Copy	Summarily Rejected
3	ISO 9001: 2015, ISO 14001: 2015 and OHSAS 45001: 2018 or the bidder must have IMS certification as per Clause 13 (ii) of Annexure-I	Copy	Summarily Rejected
4	All the bank account details including partners name	Copy	Summarily Rejected
5	Annexure-VIII format for certificate to be submitted/uploaded by tenderer along with the tender documents	Copy	Summarily Rejected
6	Annexure-VIII-A This certificate is to be given by attorney/authorized signatory/each member of firm/Joint Venture (JV)/Hindu Undivided Family (HUF)/Limited Liability Partnership (LLP) etc.	Copy	Summarily Rejected
7	PAN No., GSTIN	Copy	Summarily Rejected
8	Annexure- XVII Format for Statement/information regarding "Employment/Partnership etc. of Retired Railway Employees"	Copy	Summarily Rejected

END OF THE TENDER DOCUMENT