

**DELHI DIVISION-ENGG/NORTHERN RLY
TENDER DOCUMENT**

Tender No: NIT12-W-IV-24-25

Closing Date/Time: 28/05/2024 15:00

Sr.DEN/IV acting for and on behalf of The President of India invites E-Tenders against Tender No **NIT12-W-IV-24-25** Closing Date/Time 28/05/2024 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	Covering of approaches to prevent water logging of LHS on level crossing no. 22 on ROK-PNP section under ADEN/ROK		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	28/05/2024 15:00	Date Time Of Uploading Tender	06/05/2024 16:46
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	9021406.56	Tendering Section	SRDEN IV
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	180400.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	14/05/2024	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-Please see Items Breakup for details.							4125943.56	Above/ Below/Par
1	Please see Item Breakup for details.				4664191.23	(-) 11.54	4125943.56	
	Description:- All items in all chapters of Delhi Schedule of Rates-2021 Voll. II edition edition (Corrected upto date) as per CPWD specification and Indian Railways Unified Standard Specifications (works & Materials) Volume-I & II 2010 edition (Corrected upto date).							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-NS Items							4895463.00	Above/ Below/Par
2	Please see Item Breakup for details.				4895463.00	AT Par	4895463.00	
	Description:- NS Items							

3. ITEM BREAKUP

Schedule	Schedule A-Please see Items Breakup for details.					
Item- 1	All items in all chapters of Delhi Schedule of Rates-2021 Voll. II edition edition (Corrected upto date) as per CPWD specification and Indian Railways Unified Standard Specifications (works & Materials) Volume-I & II 2010 edition (Corrected upto date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	2.0	EARTH WORK				
	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
1	2.6.1	All kinds of soil	cum	10	205.45	2054.5

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	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2	2.8.1	All kinds of soil.	cum	10	286.85	2868.5
3	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	285.65	14.5	4141.93
	4.0	CONCRETE WORK				
	4.1S	CEMENT CONCRETE (CAST IN SITU)				
	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
4	4.1.2	1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	6	7783.65	46701.9
	5.0	REINFORCED CEMENT CONCRETE				
	5.33S	DESIGN MIX CONCRETE				
	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.2	All works above plinth level upto floor V level				
5	5.33.2.4	Concrete of M40 grade with minimum cement content of 390 kg /cum	cum	6.5	10730.9	69750.85
	6.0	MASONRY WORK				
	6.2	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:				
6	6.2.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	6	5746.8	34480.8
	8.0	CLADDING WORK				
	8.8	Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.				
	8.8.1	Wedge expansion type				
7	8.8.1.3	Fastener with threaded dia 12 mm	Each	1015	52.85	53642.75
	10.0	STEEL WORK				
8	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	19000	111.95	2127050
	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				

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9	10.16.1	Hot finished welded type tubes	Kg	15000	154.9	2323500
					Total	4664191.23
Schedule	Schedule B-NS Items					
Item- 2	NS Items					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	"Chipping of unsound weak concrete, removing all spalled concrete, cleaning of rust from affected reinforcement bars wherever required with wire brush. Providing and applying modified anticrossing coating on already cleaned bars / Dosage:- Min 1.6/ sqm/layer or eq.material as per direction of engineer in charge. 2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days "	Sqm	140.00	340.00	47600.00
2	2	Providing and applying epoxy resin bonding agent like SIKADUR 32 LP or eq. on the entire chipped surface Flexural strength: 30-35 N/mm2 Tensile strength: 16-20 N/mm2 or eq. material of reputed brands as per direction of engineer in charge.2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days	Sqm	240.00	540.00	129600.00
3	3	Providing and applying microconcrete for repair of small damaged patched in RCC structure. 2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days	Kg	225.00	135.00	30375.00
4	4	Providing and applying a prebatches one component polymer modified cementitious mortar as top cover over the chipped surface product requirement yield approx. 0.84ltr./ kg system requirement: Compressive strength >=50 n.mm2 (28days) according to ASTM C 109 Flexural strength: 3N/MM2 (7 days) according to ASTM C293-79. All Works shall be done as per engineer in charge. 2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days	Kg	200.00	300.00	60000.00
5	5	""Injection Grouting with Conbextra EP10 or eq. through the fixed NRV as per the direction of the Eng-in-charge. Conbextra EP-10 two component High strength epoxy grout cost including of all material labour, at all heights including providing and fixing of nipple / NRV of required size and remocing / repairing of nipple complete. Density : Approx 1050 kg/m3 Tensile Strength : 20N / mm2 @ 7 days Flexural Strength : 40N. mm2 @ 7 days Compressive Strength : 45N/mm2 @ 1 Day, 60 N/mm2 @ 3Days, 80 N/mm2 @ 7 Days. 2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days "	Kg	120.00	4158.00	498960.00
6	6	Supply and apply 2 component, elastic, low viscous, solvent free polyurethane injection resin based system for permanent sealing that does not need the presence of water for hardening reaction rapid reaction. Project requirement, viscosity of misture< 100m 6 6 Pas(at + 20 X). Capable of penetrating cracks > 0.2 mm wide a CE conformity conformance lable that product is approved to the essential requirement and under market surveillance product Make SIKA, NORMET, CAC, BASK or Equivalent. 100% PAYMENT shall be released only after satisfactory completion of work 2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days	Kg	200.00	2150.00	430000.00
7	7	"Providing and injection microfine injection grout pagel ZL 10 or equivalent in the RCC plianth of tract under high pressure upto 30 bar or as per site requirement during non traffic hours. Rates inclusive of providing, fixing cutting of nonreturn packers of required size and repairing the surface with polymer mortar complete at all heights.2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days"	Kg	150.00	720.00	108000.00

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8	8	Supplying and fixing Galvanised steel/ Galvalume self supporting sheet in roofing made from Mild steel having thickness minimum 0.80BMT having coating of Zinc/Aluminium+Zinc including cutting to size and shape including fixing. The rate shall includes all cost of material , taxes, labour, tools, plants fixtures and machinery etc. all lead and lift , transportation , fixture etc. complete and fixing as per direction of engineer incharge at site. Contractor will have to be submit the design of the roofing for approval of the Railway .Roofing shall be provided only after getting it approved from the Railway.	Sqm	1600.00	2128.50	3405600.00
9	9	Cleaning of surface to remove existing plaster (if any), dust and loosely adhering particles completely and repairing all Cracks & joints with polymer modified high strength mortar. Providing and laying waterproofing treatment by applying IZONIL Hard - 100% waterproof, breathable and drying, fiber reinforced ready to use plaster in two layer at an average thickness of 15 mm (7.5 + 7.5mm), sandwiched with 110 GSM glass fiber mesh as per manufacturers specification, in line and level and finished smooth. Prior to application of Izonil Hard, entire surface should be water cured and bring to SSD condition. For increased adhesion , it is recommended to apply a cement slurry coat on brick wall before izonil application. The IZONIL waterproofing system shall be cured for 5 to 7 days and curing should start within 5-6 hours of application. 2.100% PAYMENT shall be released only after satisfactory completion of work (in all respect) plus 60 days	Sqm	143.00	1296.00	185328.00
					Total	4895463.00

4. ELIGIBILITY CONDITIONS

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	<p>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 notarised, 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.</p>	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Any Civil work other than track work.	No	No	Not Allowed

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	<p>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-VIIB, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.</p>	No	No	Allowed (Mandatory)

Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:

S.No.	Description
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.

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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 at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we 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 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 and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.

S.No.	Description
1	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderer may please note that offers received without requisite/mandatory documents as mentioned above, will be considered as invalid tender and for which contractor shall have no claim on Railway.	No	No	Not Allowed
2	The tenderer shall visit the site of work and acquaint himself/themselves with the conditions of work viz. approach roads and accessibility, availability of materials, electric power, water for work and drinking purposes, site for labour camps, stores, godowns, extent of lead/lift in work, availability of skilled and unskilled labour etc. that may be encountered in the course of execution of work. In short, he/they should familiarize himself/themselves fully with the all the conditions of the work site & all the financial implications due to the above conditions is deemed to be understood and taken care of while bidding the offer.	No	No	Not Allowed
3	Tenderer may please note that offers received without requisite/mandatory documents as mentioned above, will be considered as invalid tender and for which contractor shall have no claim on Railway.	No	No	Not Allowed
4	The tenderer shall visit the site of work and acquaint himself/themselves with the conditions of work viz. approach roads and accessibility, availability of materials, electric power, water for work and drinking purposes, site for labour camps, stores, godowns, extent of lead/lift in work, availability of skilled and unskilled labour etc. that may be encountered in the course of execution of work. In short, he/they should familiarize himself/themselves fully with the all the conditions of the work site & all the financial implications due to the above conditions is deemed to be understood and taken care of while bidding the offer.	No	No	Not Allowed

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Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderer shall submit the Notarized Copy of partnership deed of present constitution of firm & also photo copy of prior partnership deed (if there is change in constitution of firm) pertaining to the period for which the document in support of technical & financial eligibility criteria attached. If the participating firm is with different name and style, then Photo Copy of partnership deed / Sole proprietorship affidavit (as applicable) of the firms whose credential are being submitted by the tenderer in support of their offer shall also be attached. If Participating firm is a company registered under Companies Act 1956, then copies of Memorandum of association & Article of association shall be attached. Power of attorney in favour of the authorized signatory (along with copy of Board resolution, in case of company) shall also be attached . If participating firm is a sole proprietorship firm, then Declaration in the form of duly notarized affidavit shall be attached	No	No	Allowed (Mandatory)
2	Tenderer shall submit the Notarized Copy of partnership deed of present constitution of firm & also photo copy of prior partnership deed (if there is change in constitution of firm) pertaining to the period for which the document in support of technical & financial eligibility criteria attached. If the participating firm is with different name and style, then Photo Copy of partnership deed / Sole proprietorship affidavit (as applicable) of the firms whose credential are being submitted by the tenderer in support of their offer shall also be attached. If Participating firm is a company registered under Companies Act 1956, then copies of Memorandum of association & Article of association shall be attached. Power of attorney in favour of the authorized signatory (along with copy of Board resolution, in case of company) shall also be attached . If participating firm is a sole proprietorship firm, then Declaration in the form of duly notarized affidavit shall be attached	No	No	Allowed (Mandatory)
3	In addition to Annexure-V, in case of other than Company/Proprietary firm. Annexure -V(A) shall also be submitted by the each member of a Partnership Firm / Joint Venture (JV) / Hindu Undivided Family (HUH / Limited Liability Partnership (LLP) etc., as the case may be.	No	No	Allowed (Optional)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
2	I HAVE READ THE ENTIRE TENDER DOCUMENT INCLUDING UPLOADED DOCUMENTS	No	No	Not Allowed
3	Until a formal agreement is prepared and executed, acceptance of the 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.	No	No	Not Allowed
4	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
5	I HAVE READ THE ENTIRE TENDER DOCUMENT INCLUDING UPLOADED DOCUMENTS	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	CoveingShedSpeicalConditions22.ROKpdf.pdf	Special Condition of Contract
2	GCC-2022withCSupto4.pdf	GCC-2022 with CS upto 4
3	StandardTenderDocument2022R5.pdf	Standard Tender Document 2022

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Induswww Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

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As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: RAJAT KUMAR

Designation : Sr.DEN/IV