

**NFR HQ-S AND T/N F RLY  
TENDER DOCUMENT**

Tender No: N\_11\_HQ\_IDS\_2024-25

Closing Date/Time: 24/01/2025 15:00

**Dy.CSTE/Project/MLG** acting for and on behalf of The President of India invites E-Tenders against Tender No **N\_11\_HQ\_IDS\_2024-25** Closing Date/Time 24/01/2025 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**

<b>Name of Work</b>	Provision of Elephant Intrusion Detection System for detection of elephant movements with tracking and Level crossing alerts to increase Safety and capacity enhancement over N.F Railway in Rangiya Division		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	24/01/2025 15:00	<b>Date Time Of Uploading Tender</b>	24/12/2024 17:18
<b>Pre-Bid Conference Required</b>	Yes	<b>Pre-Bid Conference Date Time</b>	06/01/2025 11:30
<b>Advertised Value</b>	333679441.05	<b>Tendering Section</b>	TELE
<b>Bidding Style</b>	Single Rate for Each Schedule Item	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	1818400.00	<b>Validity of Offer ( Days)</b>	90
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	18 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	10/01/2025	<b>Are Joint Venture (JV) firms allowed to bid</b>	Yes
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
<b>Schedule A-Elephant Intrusion Detection System</b>							333679441.05	
1	1	8.00	Numbers	36781945.20	294255561.60	AT Par	294255561.60	Above/ Below/Par
	<b>Description:-</b> Supply Installation testing & Commissioning of Remote DAS Unit along with communication interface to monitor elephant movement /train tracking /Asset monitoring on railway track for the distance of 40 km consisting of optical unit to cover both side of equipment -4 channel system along with local control unit. (It shall cover remote access router,UPS and Rack) as per RDSO specification no IS/RDSO-TC/0002-2024 Ver. 1.0 or latest							
2	2	1.00	Set	4383086.40	4383086.40	AT Par	4383086.40	Above/ Below/Par
	<b>Description:-</b> Supply Installation testing & Commissioning of Central DAS Server along with Geo location application server and notification dispatcher, Database, software licenses as per RDSO specification no IS/RDSO-TC/0002-2024 Ver. 1.0 or latest							
3	3	29.00	Numbers	112259.07	3255513.03	AT Par	3255513.03	Above/ Below/Par
	<b>Description:-</b> Supply Installation testing and Commissioning of Interface Unit for LC gate controlling station for triggering hooter at LC gate end over pair of quad cable / LTE along with Audio Visual Display for ASM as per RDSO specification no IS/RDSO-TC/0002-2024 Ver. 1.0 or latest							
4	4	24.00	Numbers	12822.48	307739.52	AT Par	307739.52	Above/ Below/Par
	<b>Description:-</b> Supply, Installation testing and commissioning of Alarm unit with hooter at LC Gate as per Technical specification and Annexure C							
5	5	1.00	Job	1079416.80	1079416.80	AT Par	1079416.80	Above/ Below/Par
	<b>Description:-</b> Testing of complete system to achieve end result as per tender requirement as per RDSO specification no IS/RDSO-TC/0002-2024 Ver. 1.0 or latest							
6	6	156000.00	Metre	90.78	14161680.00	AT Par	14161680.00	Above/ Below/Par
	<b>Description:-</b> Supply of 24 Fibre armoured OFC as per RDSO spec No. IRS/TC-55/2006 rev 1 with ammdt No. 2 or latest							

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7	7	70.00	Numbers	3055.95	213916.50	AT Par	213916.50	Above/ Below/Par
	<b>Description:-</b> Supply of OFC joint enclosure 24 fibres armoured OFC with all accessories and consumables.							
8	8	1782.00	Metre	239.44	426682.08	AT Par	426682.08	Above/ Below/Par
	<b>Description:-</b> Double walled corrugated (DWC) pipes Size of Outer Dia 90mm/inner dia 76mm, make electrex/telerex/optirex or similar as per TEC specifications GR/DWC- 34/01, IS 14930 part-II along with socket / coupler and T joints wherever required having IP-67 protection, for underground power / signalling /telecommunication cable protection							
9	9	156000.00	Metre	68.38	10667280.00	AT Par	10667280.00	Above/ Below/Par
	<b>Description:-</b> Excavation and Refilling of cable trench up to a depth of 1 meter as per technical specification.							
10	10	156000.00	Metre	6.46	1007760.00	AT Par	1007760.00	Above/ Below/Par
	<b>Description:-</b> Laying of OFC Cable as per technical specification							
11	11	100.00	Metre	748.47	74847.00	AT Par	74847.00	Above/ Below/Par
	<b>Description:-</b> Protection work for cable laying on steel girder culvert/ bridge & PSC girder bridge using 80 mm nominal dia medium grade perforated G. I. pipe with M. S. Clamps for steel girder bridge/ culverts & RCC with 1:2:4 massonary work for PSC girder bridge. Note: All the materials e. g. perforated G. I. pipes (medium grade as per specification IS:1239), M. S. Clamps, masonry materials, nuts and bolts etc. are to be supplied by the contractor.							
12	12	100.00	Metre	402.83	40283.00	AT Par	40283.00	Above/ Below/Par
	<b>Description:-</b> Protection work of cable over boulder pitched / high cutting area, clvert, in yard,rocky, congested /residential area using 100 mm nominal dia RCC pipe and covering it making continuous square block of 1:2:3 massonary work as per site condition. All required materials i.e.RCC pipe, cement,sand, aggregate, etc. will be supplied by the contractor.							
13	13	1782.00	Numbers	155.26	276673.32	AT Par	276673.32	Above/ Below/Par
	<b>Description:-</b> Cable crossing of Railway track/road by boring hole at a depth of 1.0 meter (nominal) by using 90/76 mm dia DWC HDPE pipe with accessories. The work must be executed under the supervision of P. way staff of the Railway. DWC HDPE pipe will be supplied by the railway.							
14	14	70.00	Numbers	3368.23	235776.10	AT Par	235776.10	Above/ Below/Par
	<b>Description:-</b> Installation of O.F. Cable joint enclosure and splicing of Optic fibre cable as per technical specification and testing. This includes providing of RCC Pit as detailed in technical specification. Supply of OFC joint enclosures is covered under separate item in Schedule							
15	15	70.00	Numbers	440.01	30800.70	AT Par	30800.70	Above/ Below/Par
	<b>Description:-</b> Supply, transportation to site, erection and concreting the base of RCC OFC joint/route markers at the location of OFC joints and route. The design of the RCC OFC joint/route markers should be got approved from the Engineer in charge prior to commencement of the work							
16	16	75.00	Numbers	40500.00	3037500.00	AT Par	3037500.00	Above/ Below/Par
	<b>Description:-</b> Supply of locopilot Unit loaded with IDS software application as per RDSO specification no IS/RDSO-TC/0002-2024 Ver. 1.0 or latest.							
17	17	75.00	Numbers	2999.00	224925.00	AT Par	224925.00	Above/ Below/Par
	<b>Description:-</b> one year internet connection for locopilot Unit.							

**3. ITEM BREAKUP**

No item break up added
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**4. ELIGIBILITY CONDITIONS**

<b>Important</b> All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only
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**Special Financial Criteria**

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer clause 10.2 of Annexure-I of Second Sheet of Tender Document for details of Financial Eligibility Criteria.	No	No	Allowed (Mandatory)
2	Bid Capacity: The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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.	No	No	Allowed (Mandatory)
2	Please refer clause 10.1 of Annexure-I of Second Sheet of Tender Document for details of Technical Eligibility Criteria.	No	No	Allowed (Mandatory)
3	Definition of similar nature of work: Execution of Distributed Optical Fiber Sensing based Intrusion Detection System. OR Any indoor and outdoor signalling or telecom work involving supply, installation, testing commissioning	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.
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
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1	<p><b>Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.</b> 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.  <a href="#">( Click here</a> to download the Format of Self Certification)</p>
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**5. COMPLIANCE**

**Important** All documents uploaded and remarks / confirmation entered by the bidders against any : compliance condition shall be opened as part of technical bid only.

**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	As per the instructions given in Tender Document which is attached with the tender.	No	No	Not Allowed

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender document	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender document	Yes	Yes	Allowed (Mandatory)

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender document	No	No	Not Allowed

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	GCCUpdateduptoACS-7_Dont_Touch1.pdf	GCC 2022 With correction Slip
2	2022_CE-I_CT_GCC-2022Policy14_07_20221ACE-1.pdf	Advance Correction Slip 1
3	2022_12_13RBCE_CE-I-CTIndianRailwaysStandardGeneralConditionsofContractApril2022ACSNo_2.pdf	Advance Correction Slip 2
4	2023_04_26RBCE_CE-I-CTIndianRailwaysStandardGeneralConditionsofContractApril-2022AdvanceCorrectionSlipNo_3ACS-311.pdf	Advance Correction Slip 3
5	2023_04_26RBCE_CE-I-CTIndianRailwaysStandardGeneralConditionsofContractApril-2022AdvanceCorrectionSlipNo_4ACS-4.pdf	Advance Correction Slip 4
6	2023_10_20RBCE_CE-I-CTIndianRailwaysStandardGeneralConditionsofContractApril-2022AdvanceCorrectionSlipNo_5ACS-53.pdf	Advance Correction Slip 5

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7	2023_12_21IndianRailwaysStandardGeneralConditionsofContractApril-2022AdvanceCorrectionSlipNo_6ACS-61.pdf	Advance Correction Slip 6
8	2024_09_25RBCE_CE-I-CTIndianRailwaysStandardGeneralConditionsofContractApril-2022AdvanceCorrectionSlipNo_7ACS-7.pdf	Advance Correction Slip 7
9	2024-10-23-SignedspecificationEIDS1.pdf	RDSO EIDS Specification
10	2024-10-23-SignedPoCformatEIDS.pdf	RDSO PoC Format
11	TD_for_IDS_RNY_24_12_241_1.pdf	Tender Document

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial 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.

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:** SANJAY KUMAR SINGH

**Designation :** Dy.CSTProject