

**WDFC FIELD UNIT-AJMER-S AND T/WDFC
TENDER DOCUMENT**

Tender No: DFCC_All_ST_NewMadar_R

Closing Date/Time: 18/07/2025 15:00

GM/Co./DFCCIL/AJMER acting for and on behalf of The President of India invites E-Tenders against Tender No **DFCC_All_ST_NewMadar_R** Closing Date/Time 18/07/2025 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

Name of Work	Design, manufacture, supply, installation, testing and commissioning of Microprocessor based Electronic Interlocking (EI) system with TMS and IAMS at New Madar Station of WDFC as per RDSO Specification No. RDSO/SPN/192/2019 Version 2 with latest amendment, execution of indoor and outdoor work of fixing & wiring of MSDAC to meet centralized operation of points & signals etc. as per RE standard along with Indoor system design for signalling installations including supply (part), testing & commissioning of Interlocking of New Madar Station and commissioning of requisite interface between Existing Signal Interlocking (EI System) at adjacent stations New Saradhana & New Kishangarh Station of WDFC with Automatic Block Section Working in New Kishangarh - New Madar and New Madar-New Saradhana Block Section		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	18/07/2025 15:00	Date Time Of Uploading Tender	26/06/2025 18:24
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	290578402.00	Tendering Section	WORKS 1
Bidding Style	Single Rate for Each Schedule Item	Bidding Unit	
Earnest Money (Rs.)	1602900.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	12 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	04/07/2025		
Are JV allowed to bid	Yes	Number of JV Member Allowed	3
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Deposit Work

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 1-Supply and Installation of Electronic Interlocking							40107664.13	
01	01	1.00	System	21885374.59	21885374.59	AT Par	21885374.59	Above/ Below/Par
	Description:- Supply of Electronic Interlocking equipment conforming to RDSO Specification No. RDSO/SPN/192/2019 with latest amendment, complete with items SN 1.1 to 1.8 & their spares @ 10% and with networking devices & all other associated accessories required for New Madar Station and modification required at New Saradhana Station, New Kishangarh Station and New Saradhana - New Kishangarh Block Section. Note: The OEM whose Electronic Interlocking has been Cross Approved by DFCCIL shall also be acceptable.- Supply of Electronic Interlocking Logic sub-rack, Object Controller complete with Card, Modules, along with spares @ 10% of supplied qty. and all other associated accessories							
02	02	2.00	Numbers	278725.85	557451.70	AT Par	557451.70	Above/ Below/Par
	Description:- Supply of Prewired Relay Rack							
03	Please see Item Breakup for details.				823754.04	AT Par	823754.04	Above/ Below/Par
	Description:- Supply of Relays							
04	04	1.00	Lot	192122.56	192122.56	AT Par	192122.56	Above/ Below/Par
	Description:- Supply of Miscellaneous Items (Contacts & terminals, Fuses, Pins & connectors etc)							

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05	05	1.00	Numbers	995552.48	995552.48	AT Par	995552.48	Above/ Below/Par
	Description:- Supply of Pre-wired Racks/ subracks							
06	06	1.00	Lot	1102628.08	1102628.08	AT Par	1102628.08	Above/ Below/Par
	Description:- Supply of Cable Terminal Rack complete with terminal blocks, SPDs and screwless terminals.							
07	07	1.00	Set	3476624.32	3476624.32	AT Par	3476624.32	Above/ Below/Par
	Description:- Supply of EI Terminal & Maintenance Console complete with keyboard, mouse and networking devices.							
08	08	1.00	Lot	7778550.76	7778550.76	AT Par	7778550.76	Above/ Below/Par
	Description:- Supply of Materials for Indoor Installation (MCBs, SPDs, screwless terminal blocks, fuses, jumpers, DVI to HDMI cables, power connectors, RJ45 connectors, monitor mounting bracket, end stoppers, KLM markers, L2 switches, furniture for ASM, PSS & SER Rooms)							
09	09	1.00	System	3295605.60	3295605.60	AT Par	3295605.60	Above/ Below/Par
	Description:- Installation & earthing of Electronic Interlocking equipment at New Madar Station and modification at New Saradhana Station, New Kishangarh Station and New Saradhana - New Kishangarh Block Section.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 2-Supply and Installation of MSDAC							14690999.59	
01	0201	1.00	System	13248348.24	13248348.24	AT Par	13248348.24	Above/ Below/Par
	Description:- Supply of MSDAC indoor & outdoor equipment conforming to RDSO Specification No. RDSO/SPN/176/2013 with latest amendment, complete with Card, Modules, Rack, Sub-Rack, Relays, Maintenance Terminal, connecting wires/cables/patch cord, networking equipment, tool kit, manuals and all other associated accessories required for New Madar Station and modification required at New Saradhana Station, New Kishangarh Station and New Saradhana - New Kishangarh Block Section.							
02	0202	1.00	System	1442651.35	1442651.35	AT Par	1442651.35	Above/ Below/Par
	Description:- Installation & earthing of MSDAC indoor & outdoor equipment at New Madar Station and modification at New Saradhana Station, New Kishangarh Station and New Saradhana - New Kishangarh Block Section.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 3-Supply and Installation of Power Supply System (PSS)							12080956.99	
01	0301	1.00	System	11806323.19	11806323.19	AT Par	11806323.19	Above/ Below/Par
	Description:- Supply of Power Supply System viz. IPS conforming to RDSO Specification No. RDSO/SPN/165/2023 with latest amendment or UPS with ACDC Converters as installed in WDFC CTP-2 section, complete with Card, Modules, Rack, Sub-Rack, Relays, Battery Bank, connecting wires/cables, Auto Change Over System, tool kit, manuals and all other associated accessories required for New Madar Station and modification required at New Saradhana Station, New Kishangarh Station and New Saradhana - New Kishangarh Block Section.							
02	0302	1.00	System	274633.80	274633.80	AT Par	274633.80	Above/ Below/Par
	Description:- Installation & earthing of Power Supply System complete with Battery Bank at New Madar Station and modification at New Saradhana Station, New Kishangarh Station and New Saradhana - New Kishangarh Block Section.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 4-Supply and Installation of TMS							94947249.12	
01	0401	1.00	Lot	2254563.12	2254563.12	AT Par	2254563.12	Above/ Below/Par
	Description:- Supply of TMS Hardware, Terminals (redundant) for ASM & JE, racks, power distribution unit, FIUs, cable/ connectors and all other associated accessories.							
02	0402	1.00	Lumpsum	92692686.00	92692686.00	AT Par	92692686.00	Above/ Below/Par

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Description:- TMS Software, installation, earthing, Testing and commissioning								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 5-Supply and Installation of IAMS							7854124.72	
01	0501	1.00	Lot	3795139.94	3795139.94	AT Par	3795139.94	Above/ Below/Par
Description:- IAMS Hardware								
01	0502	1.00	System	4058984.78	4058984.78	AT Par	4058984.78	Above/ Below/Par
Description:- IAMS Installation, Testing and Commissioning								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 6-Design and Documentation							62533764.73	
01	0601	1.00	Lumpsum	62533764.73	62533764.73	AT Par	62533764.73	Above/ Below/Par
Description:- Design & Documentation (SIP, RCT, EI Wiring Diagram, MSDAC Wiring Diagram, CTR Details, SWR & SWRD, IRMS design documents, Power Supply System design documents, Configuration data, parameter setting documents and As-built documents)								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 7-Integrated Testing (FAT & SAT) & Commissioning							58363642.72	
01	0701	1.00	Lumpsum	58363642.72	58363642.72	AT Par	58363642.72	Above/ Below/Par
Description:- Integrated Testing (FAT & SAT) & Commissioning								

3. ITEM BREAKUP

Schedule	Schedule 1-Supply and Installation of Electronic Interlocking						
Item- 03	Supply of Relays						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	0301	QN1 12F/4B	Numbers	17.00	5657.46	96176.82	
2	0302	QN1 8F/8B	Numbers	22.00	5657.46	124464.12	
3	0303	QNN1 4F/4B	Numbers	5.00	9193.36	45966.80	
4	0304	QNN1 6F/2B	Numbers	10.00	9193.36	91933.60	
5	0305	QNN1 4F/4B	Numbers	4.00	9193.37	36773.48	
6	0306	QNN1 6F/2B	Numbers	5.00	9193.36	45966.80	
7	0307	QBCA1 2F(HD) 4F/4B	Numbers	10.00	7071.82	70718.20	
8	0308	AC Lamp proving relay (QECX) 4F/4B	Numbers	35.00	6364.64	222762.40	
9	0309	QNAIK 6F/6B	Numbers	11.00	6364.64	70011.04	
10	0310	KLCR, IRS:S46	Numbers	2.00	9490.39	18980.78	
						Total	823754.04

4. ELIGIBILITY CONDITIONS

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

Special Financial Criteria

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

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	(a)The tenderer must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works, each costing not less than the amount equal to30% of advertised value of the tender, OR Two similar works, each costing not less than the amount equal to 40% of advertised value of the tender, OR One similar work, each costing not less than the amount equal to 60% of advertised value of the tender. Work of similar nature means: Any RRI/PI/EI/MACLS Supply, Installation Testing, Commissioning Signalling work O R Any RRI/PI/EI/MACLS Alterations Signalling work OR Any CTC/ TMS Work	No	No	Allowed (Mandatory)

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.

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As mentioned in the Tender Document	No	No	Not Allowed

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 mentioned in the Tender Document	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As mentioned in the Tender Document	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderdocumentforNewMadarIndoorSignallingWorks-June25.pdf	Tender Document Technical Bid
2	TenderDocumentforNewMadarIndoorSignallingWorks-FinancialBid-PacketB-June2025.pdf	Tender Document Financial Bid

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3	TentativeSIPofNewMadarJn_IREPS.pdf	New Madar Tentative SIP
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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: KANTI KUMAR THAKUR

Designation : APM/S T