

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

Tender No: DFCC-All-SnT-MT-2022-01

Closing Date/Time: 09/08/2022 15:00

CGM/DFCCIL/AJMER acting for and on behalf of The President of India invites E-Tenders against Tender No **DFCC-All-SnT-MT-2022-01** Closing Date/Time 09/08/2022 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.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	Repairing, Refixing /Replacement & Maintenance of Signaling and Telecommunication Gears/Equipment, Hiring of manpower and other related work in Madar- New Palanpur Section of Western Dedicated Freight Corridor (WDFC) under DFCCIL AJMER		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	09/08/2022 15:00	Date Time Of Uploading Tender	18/07/2022 18:10
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	26728869.62	Tendering Section	WORKS 1
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	283600.00	Validity of Offer (Days)	45
Tender Doc. Cost (Rs.)	0.00	Period of Completion	12 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	26/07/2022	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 -Specified work (Including all statutory taxes and duties) to be operated as and when required.							8687709.62	
1	1	1570.00	cum	238.62	374633.40	AT Par	374633.40	
	Description:- Digging of 1.2 mtr deep and 0.3 mtr wide trenches in all type of soils, including soft rock as per approved cable route plan and back filling the trench after laying of cables. It includes clearing of roots of trees and bushes and temporary obstructions on the selected cable route, ramming of soil and planting of cable marker at every 50 mtrs and at every location where direction of trench changes. The item includes covering of laid cables by sieved soil upto 5 cm before covering by bricks. Where digging of 1.2 mtr depth is not possible or depth is reduced/increased as per instructions given by engineer incharge then payment will be decreased/increased proportionately to the depth of trench. Note: Cable trenching between Station Limit (i.e. from Distant to Distant Signals) should be done at distance of 3.0 mtrs(minimum) from centre line of track and Outside Station Limit, cable trenching will be done at distance of 5.5 mtrs(minimum) from centre line of track. If above mentioned minimum distances are not available at site then trenching will be done by contractor as per instructions issued by Site Engineer.							
2	2	806.00	Metre	1422.04	1146164.24	AT Par	1146164.24	
	Description:- All work pertaining to Horizontal Directional Drilling (HDD)/Boring and trenchless cabling. It includes supply, transportation and insertion of self-lubricated HDPE Pipe and laying of cables in boring under the track/road by using different sizes of pipes depending on total number of cables will be crossed. The depth of horizontal boring should be minimum 1 mtr from rail flange/road level. This item will be used for track crossing of running lines. By using self-lubricated HDPE Pipe of 120 mm outer dia. and 103.5 mm inner dia. in the bore and laying of cables in the bore under the track/road.							
3	3	13650.00	RMT	9.10	124215.00	AT Par	124215.00	
	Description:- Laying of S&T cables of various cores/pairs/quads in trenches/GI Pipes/RCC ducts/ DWC Pipes/Trucking etc, laying of OFC ducts in trenches including laying of cables in track crossings and road crossings. It includes placing of half cut DWC pipes, pre-fabricated ducts and DWC pipes. It also includes provision of labels on each cable of colored plastic adhesive tapes or any other identifiable marker to give the cable number at each termination point G.P.The contractor will do meggering of all the cables (main & tail)before laying as well as after laying under the supervision of engineer incharge. Meggering test report of each cable will be signed jointly by authorized site representative of contractor and site engineer incharge. Note: The length of the cables laid will include length of the cables which have been coiled for termination purposes. Half cut DWC pipes, pre- fabricated ducts and DWC pipes shall be supplied by DFCCIL.							
4	4	3900.00	Per Conductor	8.46	32994.00	AT Par	32994.00	

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	Description:- Termination of Outdoor Cables (Main Cables /tail cables) at both ends in location boxes, cable termination rack in relay room, station building, generator room etc. The item includes dressing of cables and wires with dressing threads as per standard practice. All material required for this item will be supplied by contractor. The outdoor cable shall be terminated in Relay Room, DG Room, ASM Room etc under supervision and instructions issued by Engr. in charge of the work						
5	5	16.00	cum	3628.26	58052.16	AT Par	58052.16
	Description:- Cement concrete work for miscellaneous items in ratio 1:3:6. Item includes excavation, ramming of CC by using vibrator, curing and plastering with cement and sand mixture (aggregate will not exceed beyond 3.8 cm). The aggregate cement and sand will be supplied by contractor.						
6	6	42.00	cum	1990.54	83602.68	AT Par	83602.68
	Description:- Providing brick masonry in ratio 1:6 cement and mortar including plastering with 1:4 cement and sand mixture both sides of bricks with thickness 20 mm each end with contractor's own 'B' Class bricks. It also includes excavation, curing, grouting, bolting etc. wherever required. 'B' Class bricks, sand and cement (ISI mark) will be supplied by the Contractor.						
7	7	125.00	Numbers	12752.20	1594025.00	AT Par	1594025.00
	Description:- Supply, preparation, splicing and installation of straight joint for 24 fibers along with enclosures with heat shrinkable splice protection sleeve as per TEC Specn.G/OJC-02/01 March- 99 or latest. Splice losses in no case should be more than 0.1 dB.						
8	8	125.00	Numbers	15532.11	1941513.75	AT Par	1941513.75
	Description:- Supply, preparation, splicing and installation of straight joint for 48 fibers along with enclosures with heat shrinkable splice protection sleeve as per TEC Specn.G/OJC-02/01 March- 99 or latest. Splice losses in no case should be more than 0.1 dB.						
9	9	50.00	Numbers	10471.51	523575.50	AT Par	523575.50
	Description:- Supply, preparation, splicing and installation of straight joint for 12 fibers along with enclosures with heat shrinkable splice protection sleeve as per TEC Specn.G/OJC-02/01 March- 99 or latest. Splice losses in no case should be more than 0.1 dB.						
10	10	50.00	Numbers	8598.71	429935.50	AT Par	429935.50
	Description:- Supply, preparation, splicing and installation of straight joint for 06 fibers along with enclosures with heat shrinkable splice protection sleeve as per TEC Specn.G/OJC-02/01 March- 99 or latest. Splice losses in no case should be more than 0.1 dB.						
11	11	50.00	Kilometre	10804.77	540238.50	AT Par	540238.50
	Description:- Blowing/drawing of OFC cables in the HDPE duct along with all the protective work as per approved standard and instructions of site Engineer.						
12	12	26.00	Numbers	2583.90	67181.40	AT Par	67181.40
	Description:- Repairing of Single case foundation by excavation and casting it with contractor's cement, brick and other materials as per Drawing No. 6-AL-TYP- CW-8006 with latest amendment if any, and as per scope of work. Contractor has to completely break the entire foundation retaining the existing MS frame. The entire work shall be executed by the contractor to the Satisfaction of Site Engineer						
13	13	26.00	Numbers	2583.90	67181.40	AT Par	67181.40
	Description:- Repairing of half case foundation by excavation and casting it with contractor's cement, brick and other materials as per Drawing No. 6-AL-TYP- CW-8005 with latest amendment if any, and as per scope of work. Contractor has to completely break the entire foundation retaining the existing MS frame. The entire work shall be executed by the contractor to the Satisfaction of Site Engineer						
14	14	330.00	Numbers	1559.04	514483.20	AT Par	514483.20
	Description:- Strengthening of foundation of signals, Full/Half location boxes, by carrying out earth work around the foundation, ramming of refilled earth, carrying out masonry work from bottom of earth work using country stones & cement masonry to prevent the earth from slipping down the bank. This also includes supply of required masonry materials.						
15	15	22.00	Numbers	2926.92	64392.24	AT Par	64392.24
	Description:- Shifting and Installation of Apparatus Case Single (Full) Drawing No.- 6/BL/TYP/CW/8024/0 with latest amendment, if any.						
16	16	50.00	Numbers	1930.65	96532.50	AT Par	96532.50
	Description:- Shifting and Installation of Apparatus Case (Half) Drawing 6/BL/TYP/CW/8023/0 with latest amendment, if any						
17	17	40.00	Numbers	3445.20	137808.00	AT Par	137808.00

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	Description:- Refixing of electrical point machines and ground connection. This would include removal of old/existing point machine and fixing of new/overhauled motor. This would also include bringing the new machines from station / IMD/IMSD to site and taking the old / released machines from site to station/ IMD/IMSD						
18	18	806.00	Numbers	49.12	39590.72	AT Par	39590.72
	Description:- Lettering/Numbering of Signals, Point Machine, Track Lead junction Boxes, Block joints, Apparatus Cases etc. (each item to be taken as One Unit). This work will be carried out as per the standard practice or as per site in charge's instructions.						
19	19	175.00	Numbers	235.07	41137.25	AT Par	41137.25
	Description:- Lettering / Numbering Termination particulars, equipment's names etc., legibly and neatly inside location boxes. Full Case.						
20	20	312.00	Numbers	133.55	41667.60	AT Par	41667.60
	Description:- Lettering / Numbering Termination particulars, equipment's names etc., legibly and neatly inside location boxes. Half Case.						
21	21	100.00	Numbers	2148.73	214873.00	AT Par	214873.00
	Description:- Supply of Thermo shrink Universal Jointing kit for Quad Cable (for straight joints) as per RDSO spec IRS/TC-77/2012 revision 3 With latest Amd.						
22	22	100.00	Numbers	1157.45	115745.00	AT Par	115745.00
	Description:- Jointing of 4 / 6 quad /Signaling cable with Heat Shrinkable straight through Jointing Kit. All the material required for the work are to be arranged by contractor himself at his own cost except Thermo shrinkable Joint Kit/Rapid Joint kit. After jointing the cable through test such as insulation test, continuity cable losses etc. to be carried out jointly with DFC Site incharge. If any defect or any damage is observed during jointing, the contractor has to redo the joint free of cost.						
23	23	155.00	Numbers	1948.80	302064.00	AT Par	302064.00
	Description:- Demounting and Replacement of Wheel Sensor (Track Device) of Multi-Section Digital Axle Counter (MSDAC) including disconnection and reconnection of tail cable at TLJB. This includes complete removal of Wheel Sensor (mounted on the rail) along with the tail cable under the rail.The Contractor shall ensure the proper alignment of the Wheel Sensor at the time of mounting the new Wheel Sensor. Wheel sensor shall be supplied by DFCCIL. The Contractor shall bring the new wheel sensor from station / IMD/ IMSD to site and shall take the old / released wheel sensor from site to station/ IMD/ IMSD. The work shall be completed as per OEM's guidelines and Technical Requirement & Specification under the supervision of DFC site incharge.						
24	24	7.00	Numbers	980.32	6862.21	AT Par	6862.21
	Description:- Replacement of old signal unit /signal route of main signal. This would include releasing of old unit from top of signal post, erection and mounting of new signal unit over the post including wiring of Main Signal LED/Signal route of main signal as per Technical Specification. This also includes bringing new signal unit from station/IMD/IMSD to site and bring back old unit from site to station/IMD/IMSD.						
25	25	16.00	Numbers	2187.43	34998.88	AT Par	34998.88
	Description:- Installation, erection and wiring of CLS unit, Post, Ladder & Base, LED unit including laying out of Tail Cable from Location box. Wiring of CLS unit shall be carried out as per Technical Specification. This also includes erection of auxiliary signals like calling on, shunt signal, A marker if any and Protection of unit from Rain Water. The Material shall be supplied by DFCCIL.						
26	26	25.00	Numbers	904.99	22624.75	AT Par	22624.75
	Description:- Installation, erection and wiring of Junction Type/ "V" Type Route Indicator (LED Type)/Seven Segment Route display Unit. Wiring shall be carried out as per Technical Specification. This also includes Protection of unit from Rain Water. The Material shall be supplied by DFCCIL.						
27	27	12.00	Numbers	1779.99	21359.88	AT Par	21359.88
	Description:- Installation, erection of Shunt Signal Units with base & post and laying out of tail cable from location box and Wiring of Shunt Signal LED unit as per Technical Specification. This also includes Protection of unit from Rain Water. The Material shall be supplied by DFCCIL.						
28	28	2.00	Set	25128.93	50257.86	AT Par	50257.86
	Description:- Supply of (02) nos. electrical lifting barrier booms of 9.76 meter each as per DRG RDSO/S 11600. The material will be as per RDSO Specn. No. RDSO/SPN/208/2012/Ver.2.0 and Amendment 1 or latest as per available at site. Inspection: Consignee subject to procurement from RDSO approved supplier.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B -Providing various category of manpower such as Fitter/Wireman/Cable Joiner/OFC Splicer/MTS/Helper to assist DFCCIL Staff in day to day maintenance work for executing different Signaling and Telecom activities. Deployment of the maintenance staff will be decided by DFCCIL							18041160.00	

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1	1	516.00	Man-Month	23890.00	12327240.00	AT Par	12327240.00	
Description:- Skilled staff (Fitter/Wireman/Cable Joiner/OFC Splicer)								
2	2	288.00	Man-Month	19840.00	5713920.00	AT Par	5713920.00	
Description:- Semi skilled staff (MTS/Helper)								

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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-VIB of GCC APRIL-2022, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note : Client certificate from other than Govt Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India. As per Clause No. 10.2 of Tender Form (second Sheet) of Annex. I of Part-I of GCC APRIL-2022, with up-to-date correction slip.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Technical Eligibility Criteria The tenderer must have successfully 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 to 30% 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.	No	No	Allowed (Mandatory)
1.1	"The similar nature of work is defined is "To carry out the work related to Repairing/Refixing/Replacement/Construction/Maintenance of Signaling Assets in Indian Railways or in Railway PSUs like RVNL, IRCON, RITES, DFCCIL etc. or in Metro Railways or in any other reputed Govt. organization or in Public Listed Company."	No	No	Allowed (Optional)

5. COMPLIANCE

Check Lst

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

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in the tender document	No	No	Allowed (Mandatory)
2	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)

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Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in the tender document.	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in the tender document.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderDocument.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: PREM SUKH KHARDIYA

Designation : DYPMII