

**WDFC FIELD UNIT-AHEMDABAD-ELECTRICAL/WDFC
TENDER DOCUMENT**

Tender No: DFC_ADI_EL_OHE_02_2024_25

Closing Date/Time: 17/06/2024 15:00

CGM/DFCCIL/AHMEDABAD acting for and on behalf of The President of India invites E-Tenders against Tender No DFC_ADI_EL_OHE_02_2024_25 Closing Date/Time 17/06/2024 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	Maintenance of 2x25 kV High Rise Over Head Equipment in New Sanand North Outer- New Makarpura Outer section of DFCCIL including connecting lines for a period of 24 (Twenty Four) months under CGM Ahmedabad Unit		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	17/06/2024 15:00	Date Time Of Uploading Tender	24/05/2024 17:30
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	36715817.12	Tendering Section	ADIELECT
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	333600.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	24 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	03/06/2024	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 01-Regular Maintenance Activity							24634963.55	Above/ Below/Par
01	01	14960.00	Each	774.75	11590260.00	AT Par	11590260.00	
	Description:- Checking and Maintenance of Cantilever assembly (Annually)							
02	02	600.00	Per Track KM	4955.81	2973486.00	AT Par	2973486.00	
	Description:- Checking and maintenance of 25 kV OHE conductors by Tower wagon. (Annually)							
03	03	592.00	Each	453.14	268258.88	AT Par	268258.88	
	Description:- Checking & maintenance of all type of 25 KV OHE Jumpers not covered in other items							
04	04	520.00	Each	1652.28	859185.60	AT Par	859185.60	
	Description:- Checking & maintenance of Overlaps (IOL) & (UIOL) by Tower wagon. (Annually)							
05	05	348.00	Each	1239.21	431245.08	AT Par	431245.08	
	Description:- Checking & Maintenance of Anti Creep arrangement. (Annually)							
06	06	8.00	Each	1325.52	10604.16	AT Par	10604.16	
	Description:- Checking & Maintenance of 25 KV Isolator (SP/DP) including earthing heel arrangement if any.							
07	07	52.00	Each	1271.06	66095.12	AT Par	66095.12	
	Description:- Checking & Maintenance of 25 KV OHE at Turnouts by Tower wagon. (Annually)							
08	08	44.00	Each	2540.07	111763.08	AT Par	111763.08	
	Description:- Checking & Maintenance of 25 KV OHE on a cross over by Tower wagon. (Annually)							
09	09	104.00	Each	1271.06	132190.24	AT Par	132190.24	
	Description:- Checking & Maintenance of Section Insulator Assembly by Tower wagon. (Annually)							
10	10	690.00	Each	2683.93	1851911.70	AT Par	1851911.70	
	Description:- Checking & Maintenance of Auto tension Device (ATD). (Annually)							
11	11	14400.00	Per Track KM	147.96	2130624.00	AT Par	2130624.00	
	Description:- Foot patrolling to be carried out along with schedule with one DFCCIL staff. (Fortnightly)							

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12	12	2800.00	Each	29.80	83440.00	AT Par	83440.00
	Description:- Checking & maintenance of all type of bonds & BEC connection including cleaning of muffs at OHE mast .						
13	13	2100.00	Each	77.05	161805.00	AT Par	161805.00
	Description:- Removal of & Re erection of various type bonds during track machine working or Erection of missing/new bonds including Paint etc.						
14	14	245.00	Each	3533.71	865758.95	AT Par	865758.95
	Description:- Checking & maintenance of leaning of OHE mast till a new mast erected						
15	15	104.00	Each	5387.38	560287.52	AT Par	560287.52
	Description:- Checking & Maintenance of PTFE type neutral section (Quartely)						
16	16	240.00	Each	394.57	94696.80	AT Par	94696.80
	Description:- Checking and Maintenance of Portal boom & drop arms free from foreign body including bird nests						
17	17	1800.00	Each	26.70	48060.00	AT Par	48060.00
	Description:- Trimming of tree branches to maintain minimum 5 to 6 meter clearance from OHE.						
18	18	20.00	Per Track KM	42883.32	857666.40	AT Par	857666.40
	Description:- Erection of 25 KV over head equipment as per requirement						
19	19	300.00	Per Track KM	970.50	291150.00	AT Par	291150.00
	Description:- Checking and compilation of hotspot of OHE using Thermo vision camera by a skilled Engineer						
20	20	210.00	Each	83.01	17432.10	AT Par	17432.10
	Description:- Stencilling/Painting of rail level, implantation, MRL, ERL & location number etc. SED Parameters						
21	21	350.00	Each	586.70	205345.00	AT Par	205345.00
	Description:- Painting of counter weight of ATD & guy rod assembly including marking of Y value.						
22	22	950.00	Each	356.45	338627.50	AT Par	338627.50
	Description:- Checking and maintenance of Feeder Termination and AEC termination						
23	23	50.00	Each	39.41	1970.50	AT Par	1970.50
	Description:- Drilling of hole for Bond						
24	24	352.00	Each	884.71	311417.92	AT Par	311417.92
	Description:- Maintenance of Auxiliary Transformer at Station and ALH and TH Locations						
25	25	300.00	Per Track KM	1238.94	371682.00	AT Par	371682.00
	Description:- Checking and maintenance of 25 KV OHE feeder & AEC conductors excluding termination arrangement						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 02-Emergency & Other maintenance activities							1752790.80	Above/ Below/Par
01	01	30.00	Each	4002.27	120068.10	AT Par	120068.10	
	Description:- Loading, unloading of DFCCIL supplied material to places directed by Engineer in charge (i.e. From station to tower wagon, station to station etc.) (applicable for material more than 2 MT)							
02	02	35.00	Each	3091.86	108215.10	AT Par	108215.10	
	Description:- Erection of Catenary wire splicing or Contact wire splicing.							
03	03	200.00	Each	883.68	176736.00	AT Par	176736.00	
	Description:- Replacement / Re-erection of various types of insulators							
04	04	600.00	Hour	1566.99	940194.00	AT Par	940194.00	
	Description:- Breakdown attention by a gang for restoration of 25 KV OHE during accidents/ unusual occurrence for checking OHE parameters- (one gang consisting of 10 staff)							
05	05	40.00	Numbers	2921.29	116851.60	AT Par	116851.60	
	Description:- Erection of traction masts & portal other than boom							
06	06	100.00	Each	1167.06	116706.00	AT Par	116706.00	
	Description:- Transfer of OHE equipment from one mast or support to another.							
07	07	200.00	Hour	870.10	174020.00	AT Par	174020.00	

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U/	Description:- Providing of road crane on hiring basis for erection of OHE mast, portal upright and portal boom or any other loading /unloading activity.
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S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 03-Foundation items							1476572.00	Above/ Below/Par
01	01	200.00	cum	7382.86	1476572.00	AT Par	1476572.00	
	Description:- Casting of all types of foundation (The rate includes supply of the material- ballast, sand, cement, mixture & reinforcement etc.)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 04-Additional OHE work							3568377.17	Above/ Below/Par
01	01	6.00	Each	57855.55	347133.30	AT Par	347133.30	
	Description:- Supply and maintenance of petrol operated telescopic pole pruner model no. HT 75 of STIHL or equivalent model of FISKAR make for tree trimming purpose							
02	02	15.00	Each	5313.94	79709.10	AT Par	79709.10	
	Description:- Supply and fixing of Splicing Clamp Assembly For 150 sq. mm Contact Wire (Crocodile Type)							
03	03	40.00	Each	2492.37	99694.80	AT Par	99694.80	
	Description:- Supply and fixing Catenary Wire Splice 125 Sq. mm							
04	04	40.00	Each	3178.96	127158.40	AT Par	127158.40	
	Description:- Supply and fixing Feeder wire splice for 288 sq. mm AAAC conductor							
05	05	250.00	Each	1454.65	363662.50	AT Par	363662.50	
	Description:- Supply and fixing Aerial Earth wire splice for 181.6 sq. mm ACSR conductor or Buried Earth Conductor							
06	06	12.00	Each	2656.63	31879.56	AT Par	31879.56	
	Description:- Supply and fixing of Splicing Clamp Assembly for 107 sq. mm Contact Wire (Crocodile Type)							
07	07	12.00	Each	885.54	10626.48	AT Par	10626.48	
	Description:- Supply and fixing Catenary Wire Splice 65 Sq. mm.							
08	08	50.00	Each	1574.91	78745.50	AT Par	78745.50	
	Description:- Erection of Cantilevers							
09	09	18.00	Each	605.94	10906.92	AT Par	10906.92	
	Description:- Erection of material for solid core cut in insulator							
10	10	18.00	Each	428.10	7705.80	AT Par	7705.80	
	Description:- Erection of material for suspension insulator							
11	11	300.00	Each	230.09	69027.00	AT Par	69027.00	
	Description:- Erection of structure bonds							
12	12	15.00	Each	2314.70	34720.50	AT Par	34720.50	
	Description:- Supply of material for single earth electrode							
13	13	15.00	Each	1046.88	15703.20	AT Par	15703.20	
	Description:- Erection of material for single earth electrode							
14	14	40.00	Per Unit	3291.92	131676.80	AT Par	131676.80	
	Description:- Slewing and refitment of OHE (Note: per unit= span)							
15	15	5.00	Per Track KM	13184.15	65920.75	AT Par	65920.75	
	Description:- Preparation of design and drawing for over head equipment and verification as per plan							
16	16	10.00	MT	6601.24	66012.40	AT Par	66012.40	
	Description:- Erection of rolled / fabricated and galvanized traction mast, TTC, Portals, AT Mast, Feeder Mast, bridge mast etc.							
17	17	5.00	Each	1133.05	5665.25	AT Par	5665.25	
	Description:- Erection of material for Guy rod assembly							
18	18	200.00	Metre	72.42	14484.00	AT Par	14484.00	
	Description:- Erection of large span wire							

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19	19	20.00	Each	4516.64	90332.80	AT Par	90332.80	
	Description:- Erection of material for Regulating Equipment (ATD)							
20	20	10.00	Each	1743.58	17435.80	AT Par	17435.80	
	Description:- Erection of Material for termination of single/double conductor of overhead equipment							
21	21	5.00	Each	9198.29	45991.45	AT Par	45991.45	
	Description:- Supply and erection of Guy rod assembly							
22	22	5.00	Each	3267.16	16335.80	AT Par	16335.80	
	Description:- Erection of Anti creep wire							
23	23	5.00	Each	5604.78	28023.90	AT Par	28023.90	
	Description:- Erection of Section Insulator assembly and associate Fittings & fasteners.							
24	24	2.00	Each	7258.52	14517.04	AT Par	14517.04	
	Description:- Erection of PTFE neutral section assembly and associate Fittings & fasteners							
25	25	2.00	Each	6348.22	12696.44	AT Par	12696.44	
	Description:- Erection of 25 kV DP Isolator with all material as required.							
26	26	2.00	Each	5797.29	11594.58	AT Par	11594.58	
	Description:- Erection of 25 kV SP Isolator with all material as required.							
27	27	15.00	MT	1582.24	23733.60	AT Par	23733.60	
	Description:- Dismantling of traction structure, Portals, TTC and associate SPS by cutting							
28	28	10.00	Each	2828.05	28280.50	AT Par	28280.50	
	Description:- Supply, fabrication and erection of Danger Boards on boom of height gauges.							
29	29	300.00	Each	714.35	214305.00	AT Par	214305.00	
	Description:- Supply and erection of OHE Retro reflecting number plate including plate fixing.							
30	30	50.00	Each	452.90	22645.00	AT Par	22645.00	
	Description:- Supply and erection of caution board							
31	31	450.00	Each	129.87	58441.50	AT Par	58441.50	
	Description:- Providing and replacing of DO Fuse at Auxiliary Transformer of 1 A/2A/ 5A as per requirement.							
32	32	20.00	Each	1656.18	33123.60	AT Par	33123.60	
	Description:- Supply & erection of retro reflective type neutral section Boards							
33	33	10.00	Each	696.70	6967.00	AT Par	6967.00	
	Description:- Supply & erection of "caution clearance to OHE nearby restricted"							
34	34	10.00	Each	801.11	8011.10	AT Par	8011.10	
	Description:- Supply & erection of dead section caution board (power block working limit board)							
35	35	10.00	Each	643.82	6438.20	AT Par	6438.20	
	Description:- Supply and erection of 'caution unwired turnout' board							
36	36	10.00	Each	1518.09	15180.90	AT Par	15180.90	
	Description:- Supply and erection of Engine stop board.							
37	37	15.00	Each	90259.38	1353890.70	AT Par	1353890.70	
	Description:- Supply of Emergency Mast as per RDSO drawing no. ETI/C/0072 for High Rise OHE							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 05-Additional OHE items							2360000.00	Above/ Below/Par
01	Lump Sum				2360000.00	AT Par	2360000.00	
	Description :- Supply of spares, tools & equipments required during maintenance & break downs for a period of 2 years- As per annexure-A							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 06-Manning							2923113.60	Above/ Below/Par
01	01	2880.00	Man-Days	1014.97	2923113.60	AT Par	2923113.60	
	Description:- Driver Skilled							

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3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Mentioned in Tender Document	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Mentioned in Tender Document	No	No	Allowed (Mandatory)

5. COMPLIANCE

Check Lst

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

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Mentioned in 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)

General Instructions

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

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Mentioned in Tender Document	No	No	Allowed (Mandatory)

Undertakings

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

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderDocumentOHE.pdf	Tender Document

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

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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: SANTOSH KUMAR ANKAM

Designation : DYPMelect