

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

Tender No: DFC_ADI_EL_OHE_R1_2023_24

Closing Date/Time: 22/03/2024 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_R1_2023_24 Closing Date/Time 22/03/2024 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 Iqbalgarh-Sanand section and Makarpura Yard 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 | 22/03/2024 15:00 | Date Time Of Uploading Tender | 28/02/2024 12:40 |
| Pre-Bid Conference Required | No | Pre-Bid Conference Date Time | Not Applicable |
| Advertised Value | 47143050.22 | Tendering Section | ADIELECT |
| Bidding Style | Single Rate for Tender | Bidding Unit | Above/Below/Par |
| Earnest Money (Rs.) | 385700.00 | 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 | 08/03/2024 | 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-Regular Maintenance Activity | | | | | | | 36157062.10 | |
| 1 | 1 | 21500.00 | Each | 774.75 | 16657125.00 | AT Par | 16657125.00 | |
| | Description:- Checking and Maintenance of Cantilever assembly (Annually) | | | | | | | |
| 2 | 2 | 862.32 | Kilometre | 4955.82 | 4273502.70 | AT Par | 4273502.70 | |
| | Description:- Checking and maintenance of 25 kV OHE conductors by Tower wagon. (Annually) | | | | | | | |
| 3 | 3 | 850.00 | Each | 453.14 | 385169.00 | AT Par | 385169.00 | |
| | Description:- Checking & maintenance of all type of 25 KV OHE Jumpers not covered in other items | | | | | | | |
| 4 | 4 | 745.00 | Each | 1652.28 | 1230948.60 | AT Par | 1230948.60 | |
| | Description:- Checking & maintenance of Overlaps (IOL) & (UIOL) by Tower wagon. (Annually) | | | | | | | |
| 5 | 5 | 500.00 | Each | 1239.21 | 619605.00 | AT Par | 619605.00 | |
| | Description:- Checking & Maintenance of Anti Creep arrangement. (Annually) | | | | | | | |
| 6 | 6 | 16.00 | Each | 1325.52 | 21208.32 | AT Par | 21208.32 | |
| | Description:- Checking & Maintenance of 25 KV Isolator (SP/DP) including earthing heel arrangement if any. | | | | | | | |
| 7 | 7 | 76.00 | Each | 1271.06 | 96600.56 | AT Par | 96600.56 | |
| | Description:- Checking & Maintenance of 25 KV OHE at Turnouts by Tower wagon. (Annually) | | | | | | | |
| 8 | 8 | 70.00 | Each | 2540.07 | 177804.90 | AT Par | 177804.90 | |
| | Description:- Checking & Maintenance of 25 KV OHE on a cross over by Tower wagon. (Annually) | | | | | | | |
| 9 | 9 | 196.00 | Each | 1271.10 | 249135.60 | AT Par | 249135.60 | |
| | Description:- Checking & Maintenance of Section Insulator Assembly by Tower wagon. (Annually) | | | | | | | |
| 10 | 10 | 1380.00 | Each | 2683.93 | 3703823.40 | AT Par | 3703823.40 | |
| | Description:- Checking & Maintenance of Auto tension Device (ATD). (Annually) | | | | | | | |
| 11 | 11 | 20696.00 | Kilometre | 147.96 | 3062180.16 | AT Par | 3062180.16 | |
| | Description:- Foot patrolling to be carried out along with schedule with one DFCCIL staff. (Fortnightly) | | | | | | | |
| 12 | 12 | 4000.00 | Each | 29.80 | 119200.00 | AT Par | 119200.00 | |
| | | | | | | | | |

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|----|--|---------|-----------|----------|------------|--------|------------|
| | Description:- Checking & maintenance of all type of bonds & BEC connection including cleaning of muffs at OHE mast . | | | | | | |
| 13 | 13 | 3000.00 | Each | 77.05 | 231150.00 | AT Par | 231150.00 |
| | Description:- Removal of & Re erection of various type bonds during track machine working or Erection of missing/new bonds including Paint etc. | | | | | | |
| 14 | 14 | 350.00 | Each | 3533.71 | 1236798.50 | AT Par | 1236798.50 |
| | Description:- Checking & maintenance of leaning of OHE mast till a new mast erected | | | | | | |
| 15 | 15 | 160.00 | Each | 5387.39 | 861982.40 | AT Par | 861982.40 |
| | Description:- Checking & Maintenance of PTFE type neutral section (Quarterly) | | | | | | |
| 16 | 16 | 320.00 | Each | 394.57 | 126262.40 | AT Par | 126262.40 |
| | Description:- Checking and Maintenance of Portal boom & drop arms free from foreign body including bird nests | | | | | | |
| 17 | 17 | 2500.00 | Each | 26.70 | 66750.00 | AT Par | 66750.00 |
| | Description:- Trimming of tree branches to maintain minimum 5 to 6 meter clearance from OHE. | | | | | | |
| 18 | 18 | 25.00 | Kilometre | 42883.32 | 1072083.00 | AT Par | 1072083.00 |
| | Description:- Erection of 25 KV over head equipment as per requirement | | | | | | |
| 19 | 19 | 200.00 | Kilometre | 970.50 | 194100.00 | AT Par | 194100.00 |
| | Description:- Checking and compilation of hotspot of OHE using Thermo vision camera by a skilled Engineer | | | | | | |
| 20 | 20 | 300.00 | Each | 83.01 | 24903.00 | AT Par | 24903.00 |
| | Description:- Stenciling/Painting of rail level, implantation, MRL, ERL & location number etc. SED Parameters | | | | | | |
| 21 | 21 | 500.00 | Each | 586.70 | 293350.00 | AT Par | 293350.00 |
| | Description:- Painting of counter weight of ATD & guy rod assembly including marking of Y value. | | | | | | |
| 22 | 22 | 1362.00 | Each | 356.45 | 485484.90 | AT Par | 485484.90 |
| | 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 | 488.00 | Each | 884.71 | 431738.48 | AT Par | 431738.48 |
| | Description:- Maintenance of Auxiliary Transformer at Station and ALH and TH Locations | | | | | | |
| 25 | 25 | 431.16 | Kilometre | 1238.95 | 534185.68 | AT Par | 534185.68 |
| | 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 B-Emergency & Other maintenance activities | | | | | | | 2012645.50 | |
| 1 | 1 | 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) | | | | | | | |
| 2 | 2 | 40.00 | Each | 3091.86 | 123674.40 | AT Par | 123674.40 | |
| | Description:- Erection of Catenary wire splicing or Contact wire splicing. | | | | | | | |
| 3 | 3 | 250.00 | Each | 883.68 | 220920.00 | AT Par | 220920.00 | |
| | Description:- Replacement / Re-erection of various types of insulators | | | | | | | |
| 4 | 4 | 700.00 | Hour | 1567.00 | 1096900.00 | AT Par | 1096900.00 | |
| | 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) | | | | | | | |
| 5 | 5 | 40.00 | Numbers | 2921.30 | 116852.00 | AT Par | 116852.00 | |
| | Description:- Erection of traction masts & portal other than boom | | | | | | | |
| 6 | 6 | 100.00 | Each | 1167.06 | 116706.00 | AT Par | 116706.00 | |
| | Description:- Transfer of OHE equipment from one mast or support to another. | | | | | | | |
| 7 | 7 | 250.00 | Hour | 870.10 | 217525.00 | AT Par | 217525.00 | |
| | Description:- Providing of road crane on hiring basis for erection of OHE mast, portal upright and portal boom or any other loading /unloading activity. | | | | | | | |

| S.No. | Item Code | Item Qty | Qty Unit | Unit Rate | Basic Value | Escl.(%) | Amount | Bidding Unit |
|-------|-----------|----------|----------|-----------|-------------|----------|--------|--------------|
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|------------------------------------|---|--------|-----|---------|------------|--------|------------|--|
| Schedule C-Foundation items | | | | | | | 1476572.00 | |
| 1 | 1 | 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 D-Additional OHE Work | | | | | | | 3882081.34 | |
| 1 | 1 | 6.00 | Each | 57855.56 | 347133.36 | AT Par | 347133.36 | |
| | 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 | | | | | | | |
| 2 | 2 | 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) | | | | | | | |
| 3 | 3 | 50.00 | Each | 2492.37 | 124618.50 | AT Par | 124618.50 | |
| | Description:- Supply and fixing Catenary Wire Splice 125 Sq. mm | | | | | | | |
| 4 | 4 | 50.00 | Each | 3178.96 | 158948.00 | AT Par | 158948.00 | |
| | Description:- Supply and fixing Feeder wire splice for 288 sq. mm AAAC conductor | | | | | | | |
| 5 | 5 | 300.00 | Each | 1454.65 | 436395.00 | AT Par | 436395.00 | |
| | Description:- Supply and fixing Aerial Earth wire splice for 181.6 sq. mm ACSR conductor or Buried Earth Conductor | | | | | | | |
| 6 | 6 | 15.00 | Each | 2656.63 | 39849.45 | AT Par | 39849.45 | |
| | Description:- Supply and fixing of Splicing Clamp Assembly for 107 sq. mm Contact Wire (Crocodile Type) | | | | | | | |
| 7 | 7 | 15.00 | Each | 885.55 | 13283.25 | AT Par | 13283.25 | |
| | Description:- Supply and fixing Catenary Wire Splice 65 Sq. mm. | | | | | | | |
| 8 | 8 | 50.00 | Each | 1574.91 | 78745.50 | AT Par | 78745.50 | |
| | Description:- Erection of Cantilevers | | | | | | | |
| 9 | 9 | 20.00 | Each | 605.94 | 12118.80 | AT Par | 12118.80 | |
| | Description:- Erection of material for solid core cut in insulator | | | | | | | |
| 10 | 10 | 20.00 | Each | 428.10 | 8562.00 | AT Par | 8562.00 | |
| | Description:- Erection of material for suspension insulator | | | | | | | |
| 11 | 11 | 300.00 | Each | 230.10 | 69030.00 | AT Par | 69030.00 | |
| | 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 | Each Span | 3291.92 | 131676.80 | AT Par | 131676.80 | |
| | Description:- Slewing and refitment of OHE | | | | | | | |
| 15 | 15 | 5.00 | Kilometre | 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 | | | | | | | |
| 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 | 9198.30 | 45991.50 | AT Par | 45991.50 | |
| | Description:- Supply and erection of Guy rod assembly | | | | | | | |

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| 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 | 5797.30 | 11594.60 | AT Par | 11594.60 | |
| | Description:- Erection of 25 kV SP Isolator with all material as required. | | | | | | | |
| 27 | 27 | 20.00 | MT | 1582.24 | 31644.80 | AT Par | 31644.80 | |
| | 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 | 500.00 | Each | 714.35 | 357175.00 | AT Par | 357175.00 | |
| | 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 | 610.00 | Each | 129.87 | 79220.70 | AT Par | 79220.70 | |
| | 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 | 1518.10 | 15181.00 | AT Par | 15181.00 | |
| | 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 E-Additional OHE Items | | | | | | | 2360000.00 | |
| 1 | Lump Sum | | | | 2360000.00 | AT Par | 2360000.00 | |
| | Description :- Supply of spares, tools & equipment 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 F-Manning | | | | | | | 1254689.28 | |
| 1 | 1 | 1248.00 | Day | 1005.36 | 1254689.28 | AT Par | 1254689.28 | |
| | Description:- Driver Skilled | | | | | | | |

3. ITEM BREAKUP

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|------------------------|
| No item break up added |
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4. ELIGIBILITY CONDITIONS

Special Technical Criteria

**WDFC FIELD UNIT-AHEMDABAD-ELECTRICAL/WDFC
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| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|-------------------------------------|-----------------------|-----------------|---------------------|
| 1 | As per mentioned in Tender Document | No | No | Allowed (Mandatory) |

Special Financial Criteria

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|------------------------|-----------------------|-----------------|---------------------|
| 1 | As per Tender Document | No | No | Allowed (Mandatory) |

5. COMPLIANCE

Check Lst

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

Commercial-Compliance

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

Special Conditions

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

Technical-Compliances

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|-------------------------------------|-----------------------|-----------------|---------------------|
| 1 | As per mentioned in Tender Document | No | No | Allowed (Mandatory) |

Undertakings

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

6. Documents attached with tender

| S.No. | Document Name | Document Description |
|-------|---------------------|----------------------|
| 1 | Tender_document.pdf | Tender Document |

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: SANTOSH KUMAR ANKAM

Designation : DYPMelect