

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

Tender No: DFC-BRC-EL-PSI-MT-504-181

Closing Date/Time: 20/02/2024 15:00

GM/Co/BRC acting for and on behalf of The President of India invites E-Tenders against Tender No **DFC-BRC-EL-PSI-MT-504-181** Closing Date/Time 20/02/2024 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 2x25Kv Power Supply Installation in New Makarpura- New Bhestan section of DFCCIL Vadodara Unit, for a period of 24 (Twenty-four) months under CGM Vadodara Unit		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	20/02/2024 15:00	Date Time Of Uploading Tender	30/01/2024 17:50
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	20723569.20	Tendering Section	ELECT
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	253600.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	24 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	06/02/2024	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Revenue

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 1-Maintenance of Traction Sub Stations							4405828.44	
1	01	60.00	Each	1320.21	79212.60	AT Par	79212.60	
	Description:- Monthly Maintenance of 132/ 220 kV/55kV, 60/84/100 MVA Traction Power Transformer.							
2	02	6.00	Each	1766.61	10599.66	AT Par	10599.66	
	Description:- Half Yearly Maintenance of 132/ 220 kV/55kV, 60/84/100 MVA Traction Power Transformer							
3	03	6.00	Each	2761.52	16569.12	AT Par	16569.12	
	Description:- Yearly Maintenance of 132/ 220 kV/55kV, 60/84/100 MVA Traction Power Transformer.							
4	04	60.00	Each	883.30	52998.00	AT Par	52998.00	
	Description:- Monthly Maintenance of 132/220kV TP SF-6 Circuit Breaker							
5	05	6.00	Each	1376.01	8256.06	AT Par	8256.06	
	Description:- Half Yearly Maintenance of 132/220kV TP SF-6 Circuit Breaker							
6	06	6.00	Each	1655.01	9930.06	AT Par	9930.06	
	Description:- Yearly Maintenance of 132 kV/220kV TP SF-6 Circuit Breaker							
7	07	180.00	Each	436.90	78642.00	AT Par	78642.00	
	Description:- Monthly Maintenance of 132/220kV Current Transformer (Protection)							
8	08	18.00	Each	655.92	11806.56	AT Par	11806.56	
	Description:- Half Yearly Maintenance of 132/220kV Current Transformer (Protection)							
9	09	18.00	Each	883.30	15899.40	AT Par	15899.40	
	Description:- Yearly Maintenance of 132/220kV Current Transformer (Protection)							
10	10	480.00	Each	436.90	209712.00	AT Par	209712.00	
	Description:- Monthly Maintenance of 132/220kV Current Transformer (Metering)							
11	11	48.00	Each	660.10	31684.80	AT Par	31684.80	
	Description:- Half Yearly Maintenance of 132/220kV Current Transformer (Metering)							
12	12	48.00	Each	883.30	42398.40	AT Par	42398.40	
	Description:- Yearly Maintenance of 132/220kV Current Transformer (Metering)							

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13	13	96.00	Each	436.91	41943.36	AT Par	41943.36
	Description:- Quarterly Maintenance of 132/220kV Potential Transformer (Metering PT)						
14	14	48.00	Each	436.90	20971.20	AT Par	20971.20
	Description:- Half Yearly Maintenance of 132/220kV Potential Transformer (Metering PT)						
15	15	48.00	Each	883.30	42398.40	AT Par	42398.40
	Description:- Yearly Maintenance of 132/220kV Potential Transformer (Metering PT)						
16	16	420.00	Each	1109.33	465918.60	AT Par	465918.60
	Description:- Monthly Maintenance of 120/198 kV Lightning Arrester						
17	17	84.00	Each	883.30	74197.20	AT Par	74197.20
	Description:- Half Yearly Maintenance of 120/198 kV Lightning Arrester						
18	18	180.00	Each	437.57	78762.60	AT Par	78762.60
	Description:- Monthly Maintenance of 132/220kV TP Motorised Isolator with or without earthing heel						
19	19	18.00	Each	660.10	11881.80	AT Par	11881.80
	Description:- Half Yearly Maintenance of 132/220kV TP Motorised Isolator with or without earthing heel						
20	20	18.00	Each	994.91	17908.38	AT Par	17908.38
	Description:- Yearly Maintenance of 132/220kV TP Motorised Isolator with or without earthing heel						
21	21	880.00	Each	436.90	384472.00	AT Par	384472.00
	Description:- Monthly Maintenance of 66 kV Current Transformer						
22	22	88.00	Each	660.10	58088.80	AT Par	58088.80
	Description:- Half Yearly Maintenance of 66 kV Current Transformer						
23	23	88.00	Each	883.30	77730.40	AT Par	77730.40
	Description:- Yearly Maintenance of 66 kV Current Transformer						
24	24	432.00	Each	334.56	144529.92	AT Par	144529.92
	Description:- Monthly Maintenance of 66/72.2kV DP SF-6 Circuit Breaker						
25	25	36.00	Each	660.10	23763.60	AT Par	23763.60
	Description:- Half Yearly Maintenance of 66/72.2kV DP SF-6 Circuit Breaker						
26	26	36.00	Each	1318.87	47479.32	AT Par	47479.32
	Description:- Yearly Maintenance of 66/72.2kV DP SF-6 Circuit Breaker						
27	27	600.00	Each	656.80	394080.00	AT Par	394080.00
	Description:- Monthly Maintenance of 66 /72.5 kV DP Motorised Isolator without earthing heel						
28	28	60.00	Each	1105.81	66348.60	AT Par	66348.60
	Description:- Half Yearly Maintenance of 66/72.5 kV DP Motorised Isolator without earthing heel						
29	29	60.00	Each	1654.32	99259.20	AT Par	99259.20
	Description:- Yearly Maintenance of 66/72.5 kV DP Motorised Isolator without earthing heel						
30	30	720.00	Each	334.56	240883.20	AT Par	240883.20
	Description:- Monthly Maintenance of 42/ 60 kV Lightning Arrester						
31	31	144.00	Each	548.50	78984.00	AT Par	78984.00
	Description:- Half Yearly Maintenance of 42/60 kV Lightning Arrester						
32	32	160.00	Each	1319.76	211161.60	AT Par	211161.60
	Description:- Monthly Maintenance of 54kV/27.5 kV, 14.3 MVA Auto Transformer						
33	33	16.00	Each	1765.25	28244.00	AT Par	28244.00
	Description:- Half Yearly Maintenance of 54kV/27.5 kV, 14.3 MVA Auto Transformer						
34	34	16.00	Each	2760.13	44162.08	AT Par	44162.08
	Description:- Yearly Maintenance of 54kV/27.5 kV, 14.3 MVA Auto Transformer						
35	35	32.00	Each	436.90	13980.80	AT Par	13980.80
	Description:- Quarterly Maintenance of 25 kV Potential Transformer Protection PT						
36	36	16.00	Each	660.32	10565.12	AT Par	10565.12
	Description:- Half Yearly Maintenance of 25 kV Potential Transformer Protection PT						
37	37	16.00	Each	883.30	14132.80	AT Par	14132.80
	Description:- Yearly Maintenance of 25 kV Potential Transformer Protection PT						
38	38	320.00	Each	436.90	139808.00	AT Par	139808.00
	Description:- Monthly Maintenance of 25 kV Current Transformer at Auto Transformer						

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39	39	32.00	Each	660.32	21130.24	AT Par	21130.24
	Description:- Half Yearly Maintenance of 25 kV Current Transformer						
40	40	32.00	Each	883.30	28265.60	AT Par	28265.60
	Description:- Yearly Maintenance of 25 kV Current Transformer						
41	41	160.00	Each	334.81	53569.60	AT Par	53569.60
	Description:- Monthly Maintenance of 25 kV DP Circuit Breaker						
42	42	16.00	Each	660.10	10561.60	AT Par	10561.60
	Description:- Half Yearly Maintenance of 25 kV DP Circuit Breaker						
43	43	16.00	Each	1320.21	21123.36	AT Par	21123.36
	Description:- Yearly Maintenance of 25 kV DP Circuit Breaker						
44	44	320.00	Each	660.32	211302.40	AT Par	211302.40
	Description:- Monthly Maintenance of 25 kV DP Motorised Isolator without earthing heel						
45	45	32.00	Each	1106.51	35408.32	AT Par	35408.32
	Description:- Half Yearly Maintenance of 25 kV DP Motorised Isolator without earthing heel						
46	46	32.00	Each	1655.01	52960.32	AT Par	52960.32
	Description:- Yearly Maintenance of 25 kV DP Motorised Isolator without earthing heel						
47	47	80.00	Each	334.81	26784.80	AT Par	26784.80
	Description:- Monthly Maintenance of 25 kV DP Interrupter						
48	48	8.00	Each	660.10	5280.80	AT Par	5280.80
	Description:- Half Yearly Maintenance of 25 kV DP Interrupter						
49	49	8.00	Each	1320.21	10561.68	AT Par	10561.68
	Description:- Yearly Maintenance of 25 kV DP Interrupter						
50	50	8.00	Each	334.81	2678.48	AT Par	2678.48
	Description:- Quarterly Maintenance of 25kV/240V, 100kVA LT Auxiliary Transformer						
51	51	4.00	Each	660.10	2640.40	AT Par	2640.40
	Description:- Half Yearly Maintenance of 25kV/240V, 100kVA LT Auxiliary Transformer						
52	52	4.00	Each	1766.61	7066.44	AT Par	7066.44
	Description:- Yearly Maintenance of 25kV/240V, 100kVA LT Auxiliary Transformer						
53	53	80.00	Each	334.56	26764.80	AT Par	26764.80
	Description:- Monthly Maintenance of 66kV/0.65 kV, 3 MVA Transformer of Capacitor bank.						
54	54	8.00	Each	656.80	5254.40	AT Par	5254.40
	Description:- Half Yearly Maintenance of 55kV/0.65 kV, 3 MVA MVA Transformer Capacitor bank						
55	55	8.00	Each	1765.25	14122.00	AT Par	14122.00
	Description:- Yearly Maintenance of 55kV/0.65 kV, 3 MVA Transformer Capacitor bank.						
56	56	16.00	Each	660.10	10561.60	AT Par	10561.60
	Description:- Quarterly maintenance of 2500 KVAR CAPACITOR Bank Including Series REACTOR						
57	57	8.00	Each	1766.61	14132.88	AT Par	14132.88
	Description:- Half yearly maintenance of 2500 KVAR CAPACITOR Bank Including Series REACTOR						
58	58	8.00	Each	2649.92	21199.36	AT Par	21199.36
	Description:- Yearly maintenance of 2500 KVAR CAPACITOR Bank Including Series REACTOR						
59	59	24.00	Each	660.10	15842.40	AT Par	15842.40
	Description:- Quarterly Maintenance of 25 kV Neutral Current Transformer						
60	60	8.00	Each	1320.21	10561.68	AT Par	10561.68
	Description:- Yearly Maintenance of 25 kV Neutral Current Transformer						
61	61	92.00	Each	436.90	40194.80	AT Par	40194.80
	Description:- Fortnightly battery & battery charger maintenance of TSS						
62	62	4.00	Each	10590.18	42360.72	AT Par	42360.72
	Description:- Yearly battery & battery charger maintenance of TSS						
63	63	320.00	Each	167.40	53568.00	AT Par	53568.00
	Description:- Half Yearly maintenance of Earthing station						
64	64	4.00	Each	17656.62	70626.48	AT Par	70626.48
	Description:- Yearly Buried Rail Connection						

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65	65	400.00	Each	436.90	174760.00	AT Par	174760.00
Description:- Half Yearly Thermal Imaging of Equipment connector							
66	66	4.00	Each	1655.01	6620.04	AT Par	6620.04
Description:- Yearly Maintenance of Earth Screen Conductor							
67	67	16.00	Each	660.10	10561.60	AT Par	10561.60
Description:- Yearly maintenance of Cable Trench Cleaning							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 2-SP/SSPs Maintenance							6479506.84	
01	01	320.00	Each	1319.76	422323.20	AT Par	422323.20	
Description:- Monthly Maintenance of 8 MVA Auto Transformer								
02	02	32.00	Each	1765.25	56488.00	AT Par	56488.00	
Description:- Half Yearly Maintenance of 8 MVA Auto Transformer								
03	03	32.00	Each	2760.13	88324.16	AT Par	88324.16	
Description:- Yearly Maintenance of 8 MVA Auto Transformer								
04	04	640.00	Each	436.90	279616.00	AT Par	279616.00	
Description:- Monthly Maintenance of 25 kV Current Transformer at Auto Transformer								
05	05	64.00	Each	660.32	42260.48	AT Par	42260.48	
Description:- Half Yearly Maintenance of 25 kV Current Transformer								
06	06	64.00	Each	883.30	56531.20	AT Par	56531.20	
Description:- Yearly Maintenance of 25 kV Current Transformer								
07	07	840.00	Each	334.81	281240.40	AT Par	281240.40	
Description:- Monthly Maintenance of 25 kV DP Interrupter								
08	08	84.00	Each	660.10	55448.40	AT Par	55448.40	
Description:- Half Yearly Maintenance of 25 kV DP Interrupter								
09	09	84.00	Each	1320.21	110897.64	AT Par	110897.64	
Description:- Yearly Maintenance of 25 kV DP Interrupter								
10	10	2160.00	Each	656.80	1418688.00	AT Par	1418688.00	
Description:- Monthly Maintenance of 25 kV DP Isolator (Manual)								
11	11	216.00	Each	1106.51	239006.16	AT Par	239006.16	
Description:- Half Yearly Maintenance of 25 kV DP Isolator (Manual)								
12	12	216.00	Each	1655.01	357482.16	AT Par	357482.16	
Description:- Yearly Maintenance of 25 kV DP Isolator (Manual)								
13	13	160.00	Each	334.56	53529.60	AT Par	53529.60	
Description:- Monthly Maintenance of 25 kV SP Isolator (Manual)								
14	14	16.00	Each	660.10	10561.60	AT Par	10561.60	
Description:- Half Yearly Maintenance of 25 kV SP Isolator (Manual)								
15	15	16.00	Each	994.91	15918.56	AT Par	15918.56	
Description:- Yearly Maintenance of 25 kV SP Isolator (Manual)								
16	16	108.00	Each	436.90	47185.20	AT Par	47185.20	
Description:- Quarterly Maintenance of 25 kV Potential Transformer								
17	17	56.00	Each	660.32	36977.92	AT Par	36977.92	
Description:- Half Yearly Maintenance of 25 kV Potential Transformer								
18	18	56.00	Each	883.30	49464.80	AT Par	49464.80	
Description:- Yearly Maintenance of 25 kV Potential Transformer.								
19	19	2816.00	Each	334.56	942120.96	AT Par	942120.96	
Description:- Monthly Maintenance of 42 kV Lightning Arrester								
20	20	256.00	Each	548.50	140416.00	AT Par	140416.00	
Description:- Half Yearly Maintenance of 42 KV Lightning Arrester								
21	21	104.00	Each	334.81	34820.24	AT Par	34820.24	
Description:- Quarterly Maintenance of 25kV/240V, 10kVA LT Auxiliary Transformer with LT cable up to ACDB								

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22	22	52.00	Each	660.10	34325.20	AT Par	34325.20	
	Description:- Half Yearly Maintenance of 25kV/240V, 10kVA LT Auxiliary Transformer with LT cable up to ACDB							
23	23	52.00	Each	1766.61	91863.72	AT Par	91863.72	
	Description:- Yearly Maintenance of 25kV/240V, 10kVA LT Auxiliary Transformer with LT cable up to ACDB							
24	24	598.00	Each	436.90	261266.20	AT Par	261266.20	
	Description:- Fortnightly battery & battery charger maintenance at SCPs							
25	25	26.00	Each	10590.18	275344.68	AT Par	275344.68	
	Description:- Yearly Maintenance of Battery And Battery Charger at SCPs							
26	26	400.00	Each	167.40	66960.00	AT Par	66960.00	
	Description:- Half Yearly maintenance of Earthing Station							
27	27	400.00	Each	167.40	66960.00	AT Par	66960.00	
	Description:- Yearly Maintenance of Earthing station							
28	28	26.00	Each	17656.62	459072.12	AT Par	459072.12	
	Description:- Yearly maintenance Buried Rail Connection							
29	29	800.00	Each	436.90	349520.00	AT Par	349520.00	
	Description:- Half Yearly Thermal Imaging of Equipment connector							
30	30	26.00	Each	1655.01	43030.26	AT Par	43030.26	
	Description:- Yearly Maintenance of Earth Screen Conductor for complete SCP.							
31	31	26.00	Each	3533.23	91863.98	AT Par	91863.98	
	Description:- Yearly maintenance of Cable Trench Cleaning							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 3-Panels & Gantry Bus Bar insulator other Maintenance							1968273.92	
01	01	48.00	Each	2729.30	131006.40	AT Par	131006.40	
	Description:- Monthly panel maintenance in TSS							
02	02	144.00	Each	1364.65	196509.60	AT Par	196509.60	
	Description:- Monthly panel maintenance in SP/SSP							
03	03	16.00	Each	15803.91	252862.56	AT Par	252862.56	
	Description:- Half yearly Cross gantry or any others Gantry Bus Bar maintenance of TSS							
04	04	104.00	Each	10918.21	1135493.84	AT Par	1135493.84	
	Description:- Half yearly Cross gantry or any others Gantry Bus Bar maintenance of SP/SSPs							
05	05	3000.00	Each	37.31	111930.00	AT Par	111930.00	
	Description:- Supply and repainting of PSI equipment like Transformer, CT, PT, LA, BM CB, AT as per site requirement with water proof grey enameled paint by approve brand i.e Asian, Berger etc. as per IS 2932 all latest.							
06	06	4000.00	Each	34.07	136280.00	AT Par	136280.00	
	Description:- Supply and re painting of PSI assets i.e. Fencing Panels, Fencing UP right, barbed wire, Tubular pole at TSS/SP/SSP with Aluminum Paint i.e. Asian Berger etc. as per IS 2339 or latest							
07	07	2.00	Each	866.34	1732.68	AT Par	1732.68	
	Description:- Supply and erection of Earth Pit cover & Box							
08	08	2.00	Each	831.62	1663.24	AT Par	1663.24	
	Description:- Supply and erection of Shock Treatment Chart							
09	09	2.00	Each	36.00	72.00	AT Par	72.00	
	Description:- Drilling of holes in mast/ rails with contractor own labour and T&P complete as per instruction of Engineer.							
10	10	20.00	Metre	36.18	723.60	AT Par	723.60	
	Description:- Supply and erection of 8 SWG GI Wire for earthing							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 4-TSS Manning & House keeping							7869960.00	
01	01	2880.00	Man-Days	716.00	2062080.00	AT Par	2062080.00	

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	Description:- Regular House Keeping of 02 TSS (Gothangam & Tralsa)						
02	02	1440.00	Man-Days	949.00	1366560.00	AT Par	1366560.00
	Description:- Manning of TSS (optional as per requirement)						
03	03	4680.00	Man-Days	949.00	4441320.00	AT Par	4441320.00
	Description:- Manning of SP/SSP (optional as per requirement)						

3. ITEM BREAKUP

No item break up added	
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4. ELIGIBILITY CONDITIONS

Special Financial Criteria

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

Special Technical 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 mentioned in 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 Tender Document	No	No	Not Allowed

Special Conditions

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)

Custom

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The Advertised Rates are excluding of GST. GST will be paid extra.	No	Yes	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderNo-DFC-BRC-EL-PSI-MT-504-181final.pdf	Tender document for PSI

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.

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: DEEPAK KUMAR GUPTA

Designation : DYCPM/ELEC