

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

Tender No: DFC_ADI_EL_TW_01_2023-24

Closing Date/Time: 17/04/2024 15:00

CGM/DFCCIL/AHMEDABAD acting for and on behalf of The President of India invites E-Tenders against Tender No DFC_ADI_EL_TW_01_2023-24 Closing Date/Time 17/04/2024 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	Comprehensive Maintenance contract for Cummins make Diesel engines (Model NTA-855R) and associated electric, electronumatic & Hydraulic systems of 02 nos. Diesel electric Tower cars (DETC-twin drive under slung type).		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	17/04/2024 15:00	Date Time Of Uploading Tender	23/03/2024 12:08
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	5297538.24	Tendering Section	ADIELECT
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	106000.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	5900.00	Period of Completion	24 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	03/04/2024	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 -Maintenance for 02 Nos. DETC type 8 wheeler Tower car Cummins Engine at Ahmedabad unit -DFCCIL.							2268763.74	
01	01	2.00	Numbers	491173.38	982346.76	AT Par	982346.76	
	Description:- Maintenance ("D" check) for Cummins Engine Model no. NTA/855R/ T/Car No.WDFC-231215 & WDFC-211204 for 1st year							
02	02	2.00	Numbers	307754.22	615508.44	AT Par	615508.44	
	Description:- Maintenance ("B" & "C" check) for Cummins Engine Model no. NTA/855R/ T/Car No. WDFC-231215 & WDFC-211204 for 1st year							
03	03	2.00	Numbers	335454.27	670908.54	AT Par	670908.54	
	Description:- Maintenance ("B" & "C" check) for Cummins Engine Model no. NTA/855R/ T/Car No. WDFC-231215 & WDFC-211204 for 2nd year							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 02 -Maintenance for 02 Nos. DETC type 8 wheeler Tower car Transmission, Axle drive, Lifting & Swivelling Platform, Alternator, Generator & Control system including Complete Electrical circuits (Excluding Engines) at Ahmedabad unit - DFCCIL							3028774.50	
1	Please see Item Breakup for details.				921367.98	AT Par	921367.98	
	Description:- Maintenance Charges of T/Car No. WDFC-231215 & WDFC-211204, NTA 855R for 1st year							
2	Please see Item Breakup for details.				278218.39	AT Par	278218.39	
	Description:- List of Emergency Parts to be stock for 8 Wheeler DETC T/Car for 1st year. (Payment will be made as per actual consumption)							
3	Please see Item Breakup for details.				269635.77	AT Par	269635.77	
	Description:- Emergency Incidental breakdown repair to subassemblies & component if required (optional) for 1st year. (Payment will be made as per actual consumption)							
4	Please see Item Breakup for details.				45165.11	AT Par	45165.11	
	Description:- Comprehensive maintenance charge for DG set of lifting platform inclusive all minor repair, filter with maintenance of hydraulic lifting platform power pack tank, pump for 1st year							

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5	Please see Item Breakup for details.	921367.98	AT Par	921367.98
Description:- Maintenance Charges of T/Car No. WDFC-231215 & WDFC-211204, NTA 855R for 2nd year				
6	Please see Item Breakup for details.	278218.39	AT Par	278218.39
Description:- List of Emergency Parts to be stock for 8 Wheeler DETC T/Car for 2nd year. (Payment will be made as per actual consumption)				
7	Please see Item Breakup for details.	269635.77	AT Par	269635.77
Description:- Emergency Incidental breakdown repair to sub assemblies & component if required (optional) for 2nd year. (Payment will be made as per actual consumption)				
8	Please see Item Breakup for details.	45165.11	AT Par	45165.11
Description:- Comprehensive maintenance charge for DG set of lifting platform inclusive all minor repair, filter with maintenance of hydraulic lifting platform power pack tank, pump for 2nd year.				

3. ITEM BREAKUP

Schedule	Schedule 02-Maintenance for 02 Nos. DETC type 8 wheeler Tower car Transmission, Axle drive, Lifting & Swivelling Platform, Alternator, Generator & Control system including Complete Electrical circuits (Excluding Engines) at Ahmedabad unit - DFCCIL					
Item- 1	Maintenance Charges of T/Car No. WDFC-231215 & WDFC-211204, NTA 855R for 1st year					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Monthly visit Charges for tower wagon checkup including B&C check of engine, traction alternator, traction motors, lifting platform check, & DG set, coach charging alternator, turbo charger preventive maintenance.	Job	24.00	16259.44	390226.56
2	2	Maintenance of Electro pneumatic control system for shift mechanism, solenoids, valves, cylinders and solenoids etc., contactors, surge suppressors, control equipment's, shunt coil, reversal.	Job	2.00	32518.88	65037.76
3	3	Comprehensive maintenance of electrical wiring system of engine control with control panel accessories repairs, including relays and contactors of all tower wagon electrical system, and panels.	Job	2.00	63231.16	126462.32
4	4	Servicing cum C maintenance for self-starter & Alternator	Job	2.00	27099.07	54198.14
5	5	Servicing & C maintenance for Air Compressor (Tri Cylinder) CAE 1000	Job	2.00	27099.07	54198.14
6	6	Material Required During Maintenance - B check kit comprising of fuel filters/oil filters and coolant 5 liter required during preventive maintenance	Set	4.00	4968.16	19872.64
7	7	Material Required During Maintenance - Air Cleaner Element inner & Outer set	Set	2.00	12646.23	25292.46
8	8	Material Required During Maintenance - Replacement of V Belt set (yearly) for 110 VDC, Compressor, Engine etc.	Set	2.00	13549.54	27099.08
9	9	Consumables - Engine Oil 15-W 40 (120 Lit) per service	Litre	480.00	270.99	130075.20
10	10	Consumables - Hardware & Misc. as required /as found	Set	2.00	14452.84	28905.68
					Total	921367.98
Item- 2	List of Emergency Parts to be stock for 8 Wheeler DETC T/Car for 1st year. (Payment will be made as per actual consumption)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Water Pump Assembly	Numbers	1.00	25066.64	25066.64
2	2	Kit Hydraulic Pump fan Drive	Numbers	1.00	10049.24	10049.24
3	3	Oil Seal ACC Drive	Numbers	1.00	171.63	171.63
4	4	Oil Seal Pulley	Numbers	1.00	261.96	261.96
5	5	Cylinder head cover Gasket	Numbers	3.00	429.08	1287.24
6	6	Radiator Hose set	Numbers	1.00	2664.74	2664.74
7	7	Kit DG set repair with rings and gasket	Numbers	1.00	40919.60	40919.60
8	8	Rod Push Injector	Numbers	1.00	885.23	885.23

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9	9	Rod push tapet	Numbers	1.00	812.97	812.97
10	10	Ring Gear	Numbers	1.00	6824.45	6824.45
11	11	Magnetic switch 24 VDC	Numbers	1.00	659.42	659.42
12	12	Switch temperature	Numbers	1.00	6521.84	6521.84
13	13	Thermostat	Numbers	1.00	1363.99	1363.99
14	14	Temp Sender	Numbers	1.00	331.52	331.52
15	15	Sender Oil Temp	Numbers	1.00	171.63	171.63
16	16	Transducer Pressure	Numbers	1.00	1400.11	1400.11
17	17	Gauge Water Temp	Numbers	1.00	512.18	512.18
18	18	Gauge Lube Oil	Numbers	1.00	521.21	521.21
19	19	Lop gauge	Numbers	1.00	521.21	521.21
20	20	Tacho meter 3166710	Numbers	1.00	17614.39	17614.39
21	21	Indicator Restriction	Numbers	1.00	623.28	623.28
22	22	Kit hydraulic lifting filter & hoses	Numbers	1.00	3522.89	3522.89
23	23	Hydraulic hose fan drive	Numbers	2.00	3161.56	6323.12
24	24	Hose Assy	Numbers	1.00	496.82	496.82
25	25	Hose Assy	Numbers	1.00	496.82	496.82
26	26	Elbow Hose	Numbers	3.00	3161.56	9484.68
27	27	Hos Flexible coupling	Numbers	2.00	1174.30	2348.60
28	28	Hose Flexible	Numbers	2.00	316.16	632.32
29	29	Auxiliary power contractor 110 VDC	Numbers	5.00	4110.03	20550.15
30	30	Rotor screen	Numbers	1.00	189.70	189.70
31	31	O Ring Injector	Numbers	3.00	90.33	270.99
32	32	Element outer	Numbers	1.00	5031.39	5031.39
33	33	Element inner	Numbers	1.00	1868.03	1868.03
34	34	Coil shut down solenoid	Numbers	1.00	3351.25	3351.25
35	35	Selector switch	Numbers	1.00	1363.99	1363.99
36	36	Gear Changer Direction switch	Numbers	1.00	31751.08	31751.08
37	37	LOP switch for TRM	Numbers	1.00	1436.26	1436.26
38	38	HWT switch for engine	Numbers	1.00	1835.52	1835.52
39	39	LWL switch for engine	Numbers	1.00	3161.56	3161.56
40	40	LOT sender	Numbers	1.00	180.66	180.66
41	41	WT sender	Numbers	1.00	198.73	198.73
42	42	LOP sender	Numbers	1.00	1174.30	1174.30
43	43	Fuel Non return valve	Numbers	1.00	1056.87	1056.87
44	44	Pressure switch	Numbers	1.00	5840.75	5840.75
45	45	Volt meter 0-50 VDC	Numbers	1.00	1896.94	1896.94
46	46	Ammeter DC 96-0-150 A	Numbers	1.00	1592.53	1592.53
47	47	Connector fuel	Numbers	1.00	140.03	140.03
48	48	Pneumatic Hose 10MM PU	Metre	10.00	158.09	1580.90
49	49	Hose Hump	Numbers	1.00	3003.49	3003.49
50	50	Hose Elbow	Numbers	2.00	1013.50	2027.00
51	51	Clamp T bolt	Metre	5.00	193.31	966.55
52	52	Switch temperature	Numbers	1.00	7339.33	7339.33
53	53	Diode R1-36301-150	Numbers	2.00	9966.14	19932.28
54	54	Diode F1-36301-150	Numbers	2.00	8994.19	17988.38
					Total	278218.39
Item- 3	Emergency Incidental breakdown repair to subassemblies & component if required (optional) for 1st year. (Payment will be made as per actual consumption)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Repair of PT pump with calibration	Job	1.00	31615.58	31615.58
2	2	Repair recondition of injector	Job	12.00	6774.77	81297.24

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3	3	Recondition of turbo charger assy.	Job	2.00	34325.49	68650.98
4	4	Recondition of Cylinder head	Job	2.00	27099.07	54198.14
5	5	Repair of Water pump if required	Job	1.00	5419.81	5419.81
6	6	Supply of pump Gear Fuel if required	Job	1.00	28454.02	28454.02
					Total	269635.77
Item- 4	Comprehensive maintenance charge for DG set of lifting platform inclusive all minor repair, filter with maintenance of hydraulic lifting platform power pack tank, pump for 1st year					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Comprehensive maintenance charge for DG set of lifting platform inclusive all minor repair, filter with maintenance of hydraulic lifting platform power pack tank, pump for 1st year	Job	1.00	45165.11	45165.11
					Total	45165.11
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6	6	Material Required During Maintenance - B check kit comprising of fuel filters/oil filters and coolant 5 liter required during preventive maintenance	Set	4.00	4968.16	19872.64
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9	9	Rod push tapet	Numbers	1.00	812.97	812.97
10	10	Ring Gear	Numbers	1.00	6824.45	6824.45
11	11	Magnetic switch 24 VDC	Numbers	1.00	659.42	659.42
12	12	Switch temperature	Numbers	1.00	6521.84	6521.84

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13	13	Thermostat	Numbers	1.00	1363.99	1363.99
14	14	Temp Sender	Numbers	1.00	331.52	331.52
15	15	Sender Oil Temp	Numbers	1.00	171.63	171.63
16	16	Transducer Pressure	Numbers	1.00	1400.11	1400.11
17	17	Gauge Water Temp	Numbers	1.00	512.18	512.18
18	18	Gauge Lube Oil	Numbers	1.00	521.21	521.21
19	19	Lop gauge	Numbers	1.00	521.21	521.21
20	20	Tacho meter 3166710	Numbers	1.00	17614.39	17614.39
21	21	Indicator Restriction	Numbers	1.00	623.28	623.28
22	22	Kit hydraulic lifting filter & hoses	Numbers	1.00	3522.89	3522.89
23	23	Hydraulic hose fan drive	Numbers	2.00	3161.56	6323.12
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44	44	Pressure switch	Numbers	1.00	5840.75	5840.75
45	45	Volt meter 0-50 VDC	Numbers	1.00	1896.94	1896.94
46	46	Ammeter DC 96-0-150 A	Numbers	1.00	1592.53	1592.53
47	47	Connector fuel	Numbers	1.00	140.03	140.03
48	48	Pneumatic Hose 10MM PU	Metre	10.00	158.09	1580.90
49	49	Hose Hump	Numbers	1.00	3003.49	3003.49
50	50	Hose Elbow	Numbers	2.00	1013.50	2027.00
51	51	Clamp T bolt	Metre	5.00	193.31	966.55
52	52	Switch temperature	Numbers	1.00	7339.33	7339.33
53	53	Diode R1-36301-150	Numbers	2.00	9966.14	19932.28
54	54	Diode F1-36301-150	Numbers	2.00	8994.19	17988.38
					Total	278218.39

Item- 7	Emergency Incidental breakdown repair to sub assemblies & component if required (optional) for 2nd year. (Payment will be made as per actual consumption)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Repair of PT pump with calibration	Job	1.00	31615.58	31615.58
2	2	Repair recondition of injector	Job	12.00	6774.77	81297.24
3	3	Recondition of turbo charger assy.	Job	2.00	34325.49	68650.98
4	4	Recondition of Cylinder head	Job	2.00	27099.07	54198.14
5	5	Repair of Water pump if required	Job	1.00	5419.81	5419.81
6	6	Supply of pump Gear Fuel if required	Job	1.00	28454.02	28454.02

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						Total	269635.77	
Item- 8	Comprehensive maintenance charge for DG set of lifting platform inclusive all minor repair, filter with maintenance of hydraulic lifting platform power pack tank, pump for 2nd year.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	1	Comprehensive maintenance charge for DG set of lifting platform inclusive all minor repair, filter with maintenance of hydraulic lifting platform power pack tank, pump for 2nd year.	Job	1.00	45165.11	45165.11		
						Total	45165.11	

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 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

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

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S.No.	Document Name	Document Description
1	Tenderdoc_TowerWagon.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.

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