

Tender for Operations and maintenance



Information

RFx number:	7000019948
Publication:	Public RFx
Version:	2
RFx Name:	AMC OF BATTERY SET & BATTERY CHARGER WRR
Tender Subject:	ANNUAL MAINTENANCE CONTRACT (AMC) FOR BATTERY SETS AND BATTERY CHARGERS AT 400/220KV WARORA S/S
Bid Submission:	11.06.2021
Funded By:	
Tender Fee Inc. GST:	525.00 ₹
Estimated Cost:	300,000.00 ₹
Basis of Prices:	
Percent Based Bid:	Yes
EMD Cost:	5,000.00 ₹
Tech Bid Open:	11.06.2021 11:00:00
Price Bid Open:	11.06.2021 12:00:00
Contact Person:	EE-8554993600 DYEE-8554993202

Additional Requested Information:

- Average Annual financial turnover during the last 03 years, ending 31st March of the previous financial year, should be at least 50 % of the estimated cost. Submit ONLY turnover certificate of C.A. (essential).
- Experience certificates of having done the "Work of Battery Sets and Battery Chargers in EHV Substation" amounting to 60% of the estimated cost in maximum 3 orders during last 05 years as per details in TQR
- Proof of Goods & Service Tax Registration (GSTIN Registration).
- Copy of PAN card.
- Proof of Registration of Firm under Bombay shop & Establishment Act.
- Copy of SSI/NSIC Certificate with Memorandum (if applicable). The Registration Certificate as submitted by Micro and Small Enterprises should be VALID on the date of submission of bid and the validity of the same should be certified by the Chartered Ac
- Income Tax Returns of last any 03 years
- Undertaking of contractor as per Annexure G on agency letter head should be submitted.
- Valid insurance of Labour / ESIC if applicable.
- Valid Electrical License Certificate.

Attachments:

- TENDER DETAIL - E-TENDER
- AMENDMENT - EXT TO E-TENDER

Tender for Operations and maintenance



Information

RFx number: 7000019948

Version: 2

RFx Details:

(*Amount in ₹)

Item	Item category Product no.	HSN/SAC No.	Description	Qty	Unit Rate	Amount
1	Outline	995469	AMC FOR BATTERY SET & CHARGERS	1.000 AU	--	107375.53
1.AA	Service 50005351	995461	Charge/Discharge Cycle 220V 500Ah Battry Work of Charge Discharge Cycle of battery Sets- 220V (500 AH) inclusive of Maintenance Activity during test Cycle Labour and supervisory charges.#	2.000 EA	12451.93	24903.86
1.AB	Service 50005352	995461	Charge/Discharge Cycle 48V 1000Ah Battry Work of Charge Discharge Cycle of battery Sets- 48V (1000 AH) inclusive of Maintenance Activity during test Cycle Labour and supervisory charges.#	1.000 EA	10672.57	10672.57
1.AC	Service 50010680	998717	AMC of 220V Battery Charger Quartely Maintenance of Battery Chargers of 220V, 500AH i.e..Labour and Supervisory and Technician-Engineers charges for Repairs-Preventive Maintenance of battery charger, Routine Cleaning, Checking of Operation of charger-Minor Calibration and setting of charger, cleaning of charger for each quarter#	8.000 EA	2107.13	16857.04
1.AD	Service 50009937	995400	Servicing of 48V Battery Charger Quartely Maintenance of Battery Chargers of 48V, 1000AH i.e..Labour and Supervisory and Technician-Engineers charges for Repairs-Preventive Maintenance of battery charger, Routine Cleaning, Checking of Operation of charger-Minor Calibration and setting of charger, cleaning of charger for each quarter#	4.000 EA	2107.00	8428.00
1.AE	Service 50012246	995400	Emergency attending of Charger Repair & Maintenance during emergency.#	4.000 EA	4958.01	19832.04

Tender for Operations and maintenance



Information

RFx number: 7000019948

Version: 2

Item	Item category Product no.	HSN/SA C No.	Description	Qty	Unit Rate	Amount
1.AF	Service 50002762	995469	Reconditioning of 2V 500Ah Battery Cell Reconditioning of 2V battery cell removed from 220V, 500 Ah battery set as per standard procedure at 400KV S/S, Warora. (50002762)#	1.000 EA	8894.40	8894.40
1.AG	Service 50002763	995469	Reconditioning of 2V 1000Ah Battery Cell Reconditioning of 2V battery cell removed from 48V, 1000 Ah battery set as per standard procedure at 400KV S/S, Warora. (50002762)#	1.000 EA	17787.62	17787.62
2	Material 500005890	74092100	Lead Coated Cu Intercell Connector Lead coated Cu intercell connectors	1.000 EA	185.00	185.00
3	Material 500000100	74092900	U Type Connecting Plate 'U' type connecting plate for connection to palm type terminals for twin# Morculla conductor for Isolator	1.000 EA	203.00	203.00
4	Material 500001368	85079090	220V DC Battery Float Level Indicator 220 V DC BATTERY FLOAT LEVEL INDICATOR	1.000 EA	155.00	155.00
5	Material 500001369	85079090	220V DC Battery Vent Plug 220 V DC BATTERY VENT PLUG	1.000 EA	155.00	155.00
6	Material 500004318	28070010	Electrolyte for Battery Electrolyte of Specific Gravity 1.19	1.000 L	28.00	28.00
7	Material 500001360	90258010	DC Battery Hydrometer DC BATTERY HYDROMETER	1.000 EA	289.00	289.00
8	Material 500006270	73181500	Nut Bolt & Washer Set (Lead Coated) Nut bolt & washer set-lead coated non-corrosive alloy'20' suitable for 48V/1000AH BATTERY SET	1.000 EA	78.00	78.00
9	Material 500015643	85362020	24V BC I/p ON 3P 40A On-Off KS 100R MCCB 24V BC Input ON 3P 40A ON/OFF KS 100R MCCB	1.000 EA	155.00	155.00
10	Material 500015631	85362020	24V BC I/p 25A 415V AC Contactor 24V BC Input 25A 415V AC Contactor	1.000 EA	62.00	62.00
11	Material 500005052	85364900	3 C/O 240 V AC Relay 3 C/O 240 V AC Relay	1.000 EA	308.00	308.00
12	Material 500014252	85365010	Battery Charger DC Contactor Battery Charger DC Contactor	1.000 EA	9255.00	9255.00
13	Material 500005049	85365090	2P 25A 4 Way AC Switch 2 Pole 4 Way Switch - 25 A AC	1.000 EA	30.00	30.00
14	Material 500005050	85365090	2P 25A 4 Way DC Switch 2 Pole 4 Way Switch - 25 A DC	1.000 EA	30.00	30.00
15	Material 500005673	85365090	2P 40A 4 Ways ON-OFF AC Switch 2P 40A 4 Ways ON-OFF AC Switch	1.000 EA	30.00	30.00

Tender for Operations and maintenance



Information

RFx number: 7000019948

Version: 2

Item	Item category Product no.	HSN/SA C No.	Description	Qty	Unit Rate	Amount
16	Material 500005051	85365090	2P 32-40 A 4 Ways DC Switch 2 Pole 32-40 A 4 Ways DC Switch	1.000 EA	30.00	30.00
17	Material 500005056	85365090	4P 25A 4 Way DC Switch 4 Pole 4 Way Switch - 25 A DC	1.000 EA	30.00	30.00
18	Material 500005057	85365090	4P 50A 4 Way DC Switch 4 Pole 4 Way Switch - 50 A DC	1.000 EA	30.00	30.00
19	Material 500005061	90303310	Charge-Discharg Ammeter Ass wt Shunt Charge-Discharg Ammeter Asmbly w/t shunt	1.000 EA	1783.00	1783.00
20	Material 500005675	85361050	2-20 A Fuse Link FUSE LINK 2 TO 20 AMPS	1.000 EA	30.00	30.00
21	Material 500005067	85361050	20-40 A Semi-conductor Fuse (GSA) Semiconductor Fuse GSA 20-40	1.000 EA	30.00	30.00
22	Material 500005066	85361050	10-30 A Semi-conductor Fuse (GSA) Semiconductor Fuse GSA 10-30	1.000 EA	30.00	30.00
23	Material 500005070	85361090	Trip Indicator Fuse Trip Indicator Fuses	1.000 EA	30.00	30.00
24	Material 500004643	85365090	2P 16A 440V ON-OFF Switch	1.000 EA	30.00	30.00
25	Material 500005059	85365090	440V 10A Voltmeter Selector Switch Voltmeter Selector Switch	1.000 EA	308.00	308.00
26	Material 500018524	85362020	220V Bat Char DC Ammeter Selector Switch 220V DC Battery Charger DC Ammeter Selector Switch	1.000 EA	308.00	308.00
27	Material 500005060	85365090	12A Auto / Manual Selector Switch Auto / Manual Selector Switch	1.000 EA	555.00	555.00
28	Material 500005065	85389000	1NO+1NC 6A Push Button Push Button 1 NO / 1 NC	1.000 EA	26.00	26.00
29	Material 500005677	90303310	10-0-10 mA DC Milliammeter (S-96) DC MILLIAMMETER S-96 10-0-10MA	1.000 EA	1311.00	1311.00
30	Material 500004661	85411000	100A 600 PIV Battery Tap Diode 100A 600 PIV Battery Tap Diode	1.000 EA	99.00	99.00
31	Material 500005071	85332921	100E to 3kΩ 10-50W Wow Resistor Wow Resistor 100E to 3k 10 W-50W	1.000 EA	26.00	26.00
32	Material 500004652	85333110	1-10 kΩ 3W Potentiometer	1.000 EA	158.00	158.00
33	Material 500004653	90303310	0-500V AC Voltmeter (S-96) 0-500 V AC Voltmeter (S-96)	1.000 EA	1311.00	1311.00
34	Material 500019258	90303310	40-80V DC Analog Voltmeter 40-80V DC Analog Voltmeter (S-144)	1.000 EA	1311.00	1311.00
35	Material 500004656	90303310	0-50 A DC Ammeter (S-96) DC AMMETER S-96 0-50Amp	1.000 EA	1311.00	1311.00
36	Material 500006802	85332129	DC Shunt (50A/75MV)	1.000 EA	26.00	26.00

Tender for Operations and maintenance



Information

RFx number: 7000019948

Version: 2

Item	Item category Product no.	HSN/SA C No.	Description	Qty	Unit Rate	Amount
37	Material 500004658	85411000	600 PIV 20A Diode DIODE FOR 110V & 220V CHARGER 20A 600PIV	1.000 EA	26.00	26.00
38	Material 500001425	85411000	48V Battery Charging Thyristor/Diode 48 V BATTERY CHARGING THYRISTOR/DIODE	1.000 EA	2622.00	2622.00
39	Material 500001423	85362020	48V Battery Charging Contactor 48 V BATTERY CHARGING CONTACTORS	1.000 EA	26.00	26.00
40	Material 500004660	85411000	50A 600 PIV Blocker Diode 50A 600 PIV Blocker Diode	1.000 EA	1573.00	1573.00
41	Material 500013710	85413010	48V Battery Charger SCR 48V Battery Charger SCR	1.000 EA	3146.00	3146.00
42	Material 500013712	85413010	220V Battery Charger SCR 220V Battery Charger SCR	1.000 EA	1573.00	1573.00
43	Material 500006469	90328910	1Ø Electronic Main Controller Main Controller 1 phase - Electronic	1.000 EA	53.00	53.00
44	Material 500004665	85322500	5000µF 100V Filter Capacitor 5000µF 100V Filter Capacitor for 48kV Charger	1.000 EA	105.00	105.00
45	Material 500004666	85322500	2500µF 200V Filter Capacitor 2500µF 200V Filter Capacitor for 110V Charger	1.000 EA	105.00	105.00
46	Material 500004667	85322500	2000µF 450V Filter Capacitor 2000µF 450V Filter Capacitor	1.000 EA	105.00	105.00
47	Material 500006467	85411000	110 V Charger Diode Diode for 48 V / 110 V / 220 V Charger	1.000 EA	11.00	11.00
48	Material 500004675	85049090	3Ø Full Controlled SCR Controller 3PH.FULL CONTROLLED SCR CONTROLLER	1.000 EA	12061.00	12061.00
49	Material 500004678	90328910	3Ø H&F Controller Synchronising Card SYNCHRONISING CARD FOR 3 PHASE HALF & FULL CONTROLLER	1.000 EA	2727.00	2727.00
50	Material 500005053	85043200	2A 3Ø Dimmerstat 2 A 3 Phase Dimmerstat	1.000 EA	53.00	53.00
51	Material 500005054	85043200	4A 3Ø Dimmerstat 4 A 3 Phase Dimmerstat	1.000 EA	53.00	53.00
52	Material 500017498	85044030	220V 200A Charger Float Mode T/f 220V 200A Charger Float Mode Transformer	1.000 EA	9963.00	9963.00
53	Material 500017503	85043200	220V 300A Charger Boost Mode T/f 220V 300A Charger Boost Mode Transformer	1.000 EA	12061.00	12061.00

Tender for Operations and maintenance



Information

RFx number: 7000019948

Version: 2

Item	Item category Product no.	HSN/SAC No.	Description	Qty	Unit Rate	Amount
54	Material 500006479	85312000	30mA Unfusable LED Indicator 30mA Unfusable LED Indicator as lamp	1.000 EA	460.00	460.00
55	Material 500006480	85049090	CP Controller[Motor Variac Ctrl Charger] CP Controller for motorized variac controlled charger	1.000 EA	53.00	53.00
56	Material 500005068	85043200	2A 1Ø Dimmerstat Comp. Assy 2 A Single Phase Dimmerstat complete Assembly	1.000 EA	53.00	53.00
57	Material 500005069	85043200	4A 1Ø Dimmerstat Comp. Assy 4 A Single Phase Dimmerstat complete Assembly	1.000 EA	53.00	53.00
58	Material 500020067	74082990	220V Battery Charger Control Wiring Set 220V Battery Charger Control Wiring Set	1.000 EA	1851.00	1851.00
59	Material 500020081	74082990	48V Battery Charger Control Wiring Set 48V Battery Charger Control Wiring Set	1.000 EA	1851.00	1851.00
60	Material 500020068	74082990	220V Battery Charger Power Wiring Set 220V Battery Charger Power Wiring Set	1.000 EA	124.00	124.00
61	Material 500020082	74082990	48V Battery Charger Power Wiring Set 48V Battery Charger Power Wiring Set	1.000 EA	124.00	124.00

(*Unit Rate mentioned is inclusive of all taxes)

Tender for Operations and maintenance



Information

RFx number: 7000019948

Version: 2

Annexure - I

(* NR is for Invalid Condition)

Item	Product No.	HSN/SAC	GST App. in %	Item type	Conditions*
1		995469	18.00	E	
1.AA	50005351	995461	18.00	E	EXW,
1.AB	50005352	995461	18.00	E	EXW,
1.AC	50010680	998717	18.00	E	EXW,
1.AD	50009937	995400	18.00	E	EXW,
1.AE	50012246	995400	18.00	E	EXW,
1.AF	50002762	995469	18.00	E	EXW,
1.AG	50002763	995469	18.00	E	EXW,
2	500005890	74092100	28.00	S	EXW,
3	500000100	74092900	28.00	S	EXW,
4	500001368	85079090	28.00	S	EXW,
5	500001369	85079090	28.00	S	EXW,
6	500004318	28070010	18.00	S	EXW,
7	500001360	90258010	18.00	S	EXW,
8	500006270	73181500	18.00	S	EXW,
9	500015643	85362020	28.00	S	EXW,
10	500015631	85362020	28.00	S	EXW,
11	500005052	85364900	28.00	S	EXW,
12	500014252	85365010	28.00	S	EXW,
13	500005049	85365090	28.00	S	EXW,
14	500005050	85365090	28.00	S	EXW,
15	500005673	85365090	28.00	S	EXW,
16	500005051	85365090	28.00	S	EXW,
17	500005056	85365090	28.00	S	EXW,
18	500005057	85365090	28.00	S	EXW,
19	500005061	90303310	18.00	S	EXW,
20	500005675	85361050	28.00	S	EXW,
21	500005067	85361050	28.00	S	EXW,
22	500005066	85361050	28.00	S	EXW,
23	500005070	85361090	28.00	S	EXW,
24	500004643	85365090	28.00	S	EXW,
25	500005059	85365090	28.00	S	EXW,
26	500018524	85362020	28.00	S	EXW,
27	500005060	85365090	28.00	S	EXW,
28	500005065	85389000	18.00	S	EXW,

Tender for Operations and maintenance



Information

RFx number: 7000019948

Version: 2

Item	Product No.	HSN/SAC	GST App. in %	Item type	Conditions*
29	500005677	90303310	18.00	S	EXW,
30	500004661	85411000	18.00	S	EXW,
31	500005071	85332921	18.00	S	EXW,
32	500004652	85333110	18.00	S	EXW,
33	500004653	90303310	18.00	S	EXW,
34	500019258	90303310	18.00	S	EXW,
35	500004656	90303310	18.00	S	EXW,
36	500006802	85332129	18.00	S	EXW,
37	500004658	85411000	18.00	S	EXW,
38	500001425	85411000	18.00	S	EXW,
39	500001423	85362020	18.00	S	EXW,
40	500004660	85411000	18.00	S	EXW,
41	500013710	85413010	18.00	S	EXW,
42	500013712	85413010	18.00	S	EXW,
43	500006469	90328910	18.00	S	EXW,
44	500004665	85322500	18.00	S	EXW,
45	500004666	85322500	18.00	S	EXW,
46	500004667	85322500	18.00	S	EXW,
47	500006467	85411000	18.00	S	EXW,
48	500004675	85049090	18.00	S	EXW,
49	500004678	90328910	18.00	S	EXW,
50	500005053	85043200	18.00	S	EXW,
51	500005054	85043200	18.00	S	EXW,
52	500017498	85044030	18.00	S	EXW,
53	500017503	85043200	18.00	S	EXW,
54	500006479	85312000	28.00	S	EXW,
55	500006480	85049090	18.00	S	EXW,
56	500005068	85043200	18.00	S	EXW,
57	500005069	85043200	18.00	S	EXW,
58	500020067	74082990	28.00	S	EXW,
59	500020081	74082990	28.00	S	EXW,
60	500020068	74082990	28.00	S	EXW,
61	500020082	74082990	28.00	S	EXW,

(* PFQ -> Packing and Forwarding Per Quantity FRQ-> Freight Per Quantity FR%-> Freight in Percentage,
EXW ->Ex-Works (Basic Price), PFP-> Packing and Forwarding in Percentage, INQ-> Insurance Per Quantity,
INP -> Insurance in Percentage, DISCQ-> Discount Per Quantity, DISCP->Discount in Percentage)