



## MAHATRANSCO

### MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

Name of Office	Office of the Executive Engineer,
Office Address	765kV Sub-Station Ektuni Division MSETCL, Aurangabad. Address: 765/765kV Sub-Station Ektuni, Ektuni, Aurangabad-III, Pin 431121
Contact No.	(O) – 8554995265; 8554995269
Email Id	ee2160@mahatransco.in/ ee765kvektuni@gmail.com;
Website	www.mahatransco.in

No. EE/765kV /Ektuni/TS/no.

No 00382

Date :-

11 JUL 2023

E-ENQUIRY

**Sub:** E-Enquiry for work of AMC for maintenance of battery sets along with supply of spares at 765kV RS Division, Ektuni .

Dear Sirs,

Please quote your lowest rates for following work subject to following Terms and Conditions stipulated below. On or before 18.07.23 15:00 hrs With following terms and conditions.

#### TERMS & CONDITIONS :

1. Firm should be a registered company under the Indian Companies Act 1956 and should have valid Income Tax clearance certificate from Income tax department, valid GST registration certificates from appropriate Tax Authorities.
2. Qualifying Conditions: Contractor should have following documents, to be submitted with sealed envelop to Executive Engineer, 765kV R.S. Division, Ektuni . Gut no. 76, Ektuni, Tq. Paithan. Dist Aurangabad. Contact Person No. 8554994585
  - a. Valid Electrical Contractor license
  - b. Proof of registration of firm under Bombay Shop & Establishment Act
  - c. Proof of GST Registration
  - d. Proof of PAN No
3. Name and address of vendor and recipients should be introduced on envelop.
4. The e-enquiry will be opened in the office of the Executive Engineer, 765kV R.S. Division , Ektuni , MSETCL, Aurangabad.
5. Price should be quoted in figures as well as in words without any overwriting.
6. Offer will be valid for 12 Months.
7. Work will be executed as an when required by the undersigned.
8. Any damage to any properties during execution of work shall be at the contractor account and cost of such damage will be recovered from him.
9. The contractor should observe necessary safety precautions, accident if any will be at the account of contractor.
10. Taxes: - Rate should be quoted inclusive of all other taxes.

11. WCT, Income Tax shall be recovered from the bills as applicable .
12. You will have to pay 5% Security Deposit of the order value before starting the work.
13. In case of work is not completed in time /not done in good condition or in a proper manner, the right to cancel the order is reserved with the undersigned.
14. Sub contract is not allowed.
15. The work should be carried out as per MSETCLs requirement and will be inspected by authorized person.
16. Agency will be fully responsible for an accident occurs to your person(s). The compensation will be payable by you.
17. The quantities mentioned are provisional & may alter either by addition or reduction.
18. No labour assistance and T & P will be provided by the MSETCL.
19. Supporting document if any attached with quotation.
20. **General:** - MSETCL general Terms and Conditions for works are applicable to this contract.
21. The undersigned reserves the rights to accept or reject any or all the Quotation without assigning any reason thereof.

Yours faithfully,



**Executive Engineer  
765kV R.S. Division,  
Ektuni, MSETCL.**

**Encl: - Schedule A & B**

**Copy s.w.r.to:-**

The Superintending Engineer, EHV ( O&M) Circle. Aurangabad.


**Copy to:-**

The Dy. Manager (F&A), 765kV R.S. Division, Ektuni .

Schedule A :- For AMC for servicing / maintenance of battery sets & battery chargers, taking capacity tests of battery sets & reconditioning of 220V/48V, 1000 AH battery cells at 765V RS Division Ektuni

**Schedule "A"**

Servicing of Battery Set and Charger						
Sr. No.	Service No.	Description	Unit	Qty	Rate	Amount
1		Capacity Test of Battery sets as per standard method of Mfg with required charging and discharging cycle complete as directed				
	50005351	220VDC-100AH	Per set	2	7583.48	15166.96
	50005352	48 VDC- 1000 AH	Per set	2	6500	13000
2	50002763	Reconditioning of Battery Cell removed from Battery set as per standard procedure	EA	15	10833.9	162508.5
3	50003363	Transportation of Battery Cells	EA	15	321.69	4825.35
4	50002767	Acid Proof Painting -220V Battery Stand	EA	2	3535.6	7071.2
5	50002765	Acid Proof Painting -48V Battery Stand	EA	2	2892.8	5785.6
6	50003365	Online Battery Fastners	EA	15	31.81	477.15
7	50003366	Online Replacement of Battery Cell	EA	15	121.92	1828.8
8		<b>For Charger Maintenance</b>				
		Servicing/repairs of all Capacities of Battery Charger of any make (Servicing includes cleaning, internal setting of output voltage & current to required value including detail checking every quarter, Checking of unbalance A.C. supply, checking of annunciation circuits, DC voltage/Current Characteristics, Leakage Current Monitoring, Testing of Harmonics, Testing of Loose connections if any)				
	50009938	220VDC-1000AH	Per set	2	2185.6	4371.2
	50009937	48 VDC- 1000 AH	Per set	2	2185.6	4371.2
9		<b>For Battery Set Maintenance</b>				
		Maintenance includes :- Cell to cell and terminal connection resistance measurement, structural integrity of rows, detail visual inspection of all cells, Sp. Gravity of 10% of string as per IEEE450, corrosion cleaning if any, Cracks of Cells if any, Tightening of I/C strips, Total Battery Voltage.				
	50003900	220VDC-500AH	Per set	2	2185.6	4371.2
	50003903	48 VDC- 1000 AH	Per set	2	2185.6	4371.2
10	50012681	Battery Impedance test (on line impedance measurement test for individual battery cell of various AH capacity) 2V, 1000/500 AH cell (Rate per cell)	Per Cell	308	424.82	130844.56
11	50015204	Shifting of load with On Load Condition	Each	2	8212.29	16424.58
12	50009341	E/F Detection in Substation (48/220 V)	Each	2	4964.41	9928.82
13	50005163	Emergency Service charges	Day	2	5886.02	11772.04
14	50005241	Recharging of battery set	Each	2	5194.92	10389.84
15	50007930	Replacement of Battery cell with removal of terminals and re-connecting the same with replaced new cell which is charged/tested separately	Each	15	656.16	9842.4
					<b>Total</b>	<b>417350.60</b>
					<b>GST 18% on Total</b>	<b>75123.11</b>
					<b>Final Total</b>	<b>492473.71</b>



Executive Engineer  
765kV RS Division Ektuni

I am ready to carry out the work above/ below or at par of the estimated cost

Name of Agency & Seal

Estimate :- For AMC for servicing / maintenance of battery sets & battery chargers, taking capacity tests of battery sets & reconditioning of 220V/48V, 1000 AH battery cells at 765V R S Division Ektuni

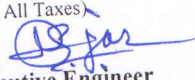
Schedule "B"

Material for Battery Set and Charger						
Sr. No.	SAP No	Description of Material	Unit	Qty	Rate	Amount
1	500005615	1000Ah Intercell Connecting Strip	EA	1	116.1	116.1
2	500005670	1000Ah Fastner	EA	1	35.59	35.59
3	500001385	48V Battery Float Level Indicator	EA	1	44.92	44.92
4	500001368	220V DC Battery Float Level Indicator	EA	1	44.92	44.92
5	500014263	Vent Plug-2V 100/200/300 AH Battery Set	EA	1	88.98	88.98
6	500001369	220V DC Battery Vent Plug	EA	1	88.98	88.98
7	500006273	48V 1000Ah Bat. set Microporous VentPlug	EA	1	88.98	88.98
8	500001360	DC Battery Hydrometer	EA	1	163.56	163.56
9	500004642	Cell Tester	EA	1	533.05	533.05
10	500004408	Petroleum Jelly	KG	1	177.12	177.12
11	500004318	Electrolyte for Battery	L	1	21.19	21.19
12	500005671	Battery Bypass Link	EA	1	160.17	160.17
13	500001370	220V DC Battery Insulator Stand	EA	1	20,737.29	20737.29
14	500001387	48V Battery Insulator-Battery Stand	EA	1	14,812.71	14812.71
15	500004643	2P 440V 16A ON-OFF Switch	EA	1	651.69	651.69
16	500005674	3P 16A ON-OFF 440V Switch	EA	1	711.02	711.02
17	500005673	2P 40A 4 Ways ON-OFF AC Switch	EA	1	1,185.59	1185.59
18	500005058	440V 10A Ammeter Selector Switch	EA	1	266.95	266.95
19	500005059	440V 10A Voltmeter Selector Switch	EA	1	266.95	266.95
20	500005060	12A Auto / Manual Selector Switch	EA	1	207.63	207.63
21	500005065	1NO+1NC 6A Push Button	EA	1	207.63	207.63
22	500005675	2-20 A Fuse Link	EA	1	103.39	103.39
23	500005676	6-32 A Fuse Link	EA	1	103.39	103.39
24	500001872	100A Fuse Link	EA	1	148.31	148.31
25	500004647	250A Fuse Link	EA	1	177.12	177.12
26	500004648	10-25 A Semi-conductor Fuse	EA	1	207.63	207.63
27	500004649	50-75 A Semi-conductor Fuse (GSA)	EA	1	222.03	222.03
28	500004650	45-75 A Semi-conductor Fuse (GSB)	EA	1	237.29	237.29
29	500004651	W.W. Resistance - 3 to 15 k $\Omega$ 50W	EA	1	121.19	121.19
30	500004652	1-10 k $\Omega$ 3W Potentiometer	EA	1	150	150
31	500004653	0-500V AC Voltmeter (S-96)	EA	1	888.98	888.98
32	500004654	0-200V AC Voltmeter (S-96)	EA	1	888.98	888.98
33	500004655	0-25 A DC Ammeter (S-96)	EA	1	888.98	888.98
34	500004656	0-50 A DC Ammeter (S-96)	EA	1	888.98	888.98
35	500005677	10-0-10 mA DC Milliammeter (S-96)	EA	1	888.98	888.98
36	500004658	600 PIV 20A Diode	EA	1	562.71	562.71
37	500004659	1000 PIV 25A Diode	EA	1	562.71	562.71
38	500004660	50A 600 PIV Blocker Diode	EA	1	562.71	562.71
39	500005678	70A 400 PIV Blocker Diode	EA	1	562.71	562.71
40	500004661	100A 600 PIV Battery Tap Diode	EA	1	711.02	711.02
41	500004662	25A 600 PIV SCR	EA	1	888.98	888.98
42	500005679	25A 1000 PIV SCR	EA	1	888.98	888.98
43	500005680	30A 1000 PIV SCR	EA	1	888.98	888.98
44	500004664	50A 600 PIV SCR	EA	1	888.98	888.98
45	500004665	5000 $\mu$ F 100V Filter Capacitor	EA	1	444.07	444.07
46	500004666	2500 $\mu$ F 200V Filter Capacitor	EA	1	444.07	444.07
47	500004667	2000 $\mu$ F 450V Filter Capacitor	EA	1	444.07	444.07
48	500014246	Battery Charger Synchronous Motor	EA	1	1,777.12	1777.12
49	500004669	Gear Wheel Assy	EA	1	533.05	533.05
50	500021822	240V AC RC Network -Synchronous Motor	EA	1	207.63	207.63
51	500004671	Unfuseble Led Indicator wt Ckt 30mA	EA	1	148.31	148.31
52	500005681	20VA 1/p 456A O/p 18018A Pwr Supply T/f	EA	1	533.05	533.05
53	500005682	10 VA CT	EA	1	533.05	533.05
54	500004674	3 $\Phi$ Half Controlled SCR Controller	EA	1	7,346.61	7346.61
55	500004675	3 $\Phi$ Full Controlled SCR Controller	EA	1	8,887.29	8887.29
56	500004676	1 $\Phi$ SCR Controller	EA	1	5,747.46	5747.46
57	500004677	Motorised Variac CP Controller	EA	1	6,072.88	6072.88
58	500004678	3 $\Phi$ H&F Controller Synchronising Card	EA	1	1,481.36	1481.36
59	500004679	AC UNDER VOLTAGE RELAY	EA	1	1,481.36	1481.36
60	500004680	DC UNDER OVER VOLTAGE RELAY	EA	1	1,481.36	1481.36

61	500004681	BATTERY DC EARTH FAULT RELAY	EA	1	1,481.36	1481.36
62	500002579	10 Window Alarm Annunciator	EA	1	1,777.12	1777.12
63	500004682	ELECTRONICS FUSE FAILURE FINDER	EA	1	1,184.75	1184.75
64	500005685	4A 1Φ Dimmerstat	EA	1	1,244.07	1244.07
65	500005686	8A 3Φ Dimmerstat	EA	1	7,110.17	7110.17
66	500021820	30V Battery Charger T/f	EA	1	5,332.20	5332.2
67	500021821	12A Rectifier Capsule	EA	1	592.37	592.37
68	500005687	SCR & Diode Heat Sink	EA	1	177.12	177.12
69	500001803	20A HRC Fuse Base	EA	1	118.64	118.64
70	500001806	32A HRC Fuse Base	EA	1	118.64	118.64
71	500001809	60A HRC Fuse Base	EA	1	148.31	148.31
72	500005688	220V Float or Boost Charger Power T/f	EA	1	9,124.58	9124.58
73	500005690	48V Battery Charger Power T/F	EA	1	6,932.20	6932.2
					<b>Total</b>	<b>125948.32</b>
					GST at 18%	22670.70
					<b>Final Total</b>	<b>148619.02</b>

Schedule "A"	492473.71
Schedule "B"	148619.02
Total	641092.73
<b>Final Say Amount</b>	<b>641093.00</b>

In Words: Six Lakhs Forty One Thousand and Ninety Three Rupees Only (Including All Taxes)

  
**Executive Engineer**  
**765kV RS Division Ektuni**

I am ready to carry out the work above/ below or at par of the estimated cost

Name of Agency and Seal