Name of Work: Servicing, Repair & Rewinding of 500kVA, 750V Brushless alternators of High capacity Power cars, Make: Crompton Greaves, CGL. Qty 50 nos. for 25 nos. power car

SN	Description of Work	QPC /PC	Total Qty	Unit	Unit Rate including GST	Total Amount	Remarks
1	Servicing of 500kVA, 750V, 3-phase brushless alternators of high capacity power cars.	2	50	No.	172916.00	8645800.00	Considered @100% of total equipments
2	Replacement of Non Driver end Alternator bearing with new one Make SKF/FAG (With OEM Certificate)Bearing No. 6317-C-3/6316-C-3/6314- 2RSC-3 For CROMPTON GREAVES /CGL make alternator.	2	25	No.	19066.00	476650.00	Considered @50% of total equipments
3	Replacement of Driver end Alternator bearing.Make SKF/FAG (With OEM Certificate) Bearing No.6322- C3/NU319-C3/6220-C3. For CROMPTON GREAVES/CGL make alternator.	2	25	No.	22854.00	571350.00	Considered @50% of total equipments
4	Rewinding of main rotor winding of 500kVA, 750V brushless alternators (including material).	2	10	No.	308308.00	3083080.00	Considered @20% of total equipments
5	Rewinding of main stator winding of 500kVA, 750V brushless alternators (including material).	2	10	No.	264264.00	2642640.00	Considered @20% of total equipments
6	Rewinding of exciter rotor winding of 500kVA, 750V brushless alternators (including material).	2	25	No.	47076.00	1176900.00	Considered @50% of total equipments
7	Rewinding of exciter stator winding of 500kVA, 750V brushless alternators (including material).	2	25	No.	45474.00	1136850.00	Considered @50% of total equipments
8	Rewinding of excitation transformer of 500kVA, 750V brushless alternators (including material).	2	10	No.	40406.00	404060.00	Considered @20% of total equipments
9	Core re-staggering of main stator of 500kVA, 750V brushless alternators (including material), if any.	2	10	No.	63206.00	632060.00	Considered @20% of total equipments
10	Casted bearing hub (End shield plate) of both (DE & NDE) ends, as per requirement in respective make alternator.	4	10	No.	7301.00	73010.00	Considered @10% of total equipments
11	Fabricated mild steel side cover (20 SWG) NDE side in 03 Nos. as per requirement in respective make alternator.	2	5	No.	7462.00	37310.00	Considered @10% of total equipments
12	Fabricated air exhaust (Air Duct) mild steel net side cover (20 SWG) of alternator in both(Front & Back) direction in 02 Nos. as per requirement in respective make alternator.	4	10	No.	2356.00	23560.00	Considered @10% of total equipments
13	Supply & fixing of stainless steel KEY of requirement in respective make alternator.	2	10	No.	622.00	6220.00	Considered @20% of total equipments
14	Supply, fitment & testing of Rotating & revolving Diode DIsc Assembly suitable for 500KVA Alternator of LHB Power Car.	2	25	No.	14197.00	354925.00	Considered @50% of total equipments
15	Supply, fitment & testing of AVR model UVR-6 suitable for Crompton greaves make 500 KVA,750V, 3 phase, 50 Hz 1500 RPM, Brushless Alternator of LHB Power cars.	2	50	No.	69264.00	3463200.00	Considered @100% of total equipments
16	Supply Fitment & Testing of Neutral Reactor.	2	25	No.	10816.00	270400.00	Considered @50% of total equipments
17	Alternator replacement by dismantling, unloading/loading & fitment	2	25	No.	60840.00	1521000.00	Considered @50% of total equipments
18	Supply Fitment & Testing Bridge Rectifier	2	25	No.	11382.00	284550.00	Considered @50% of total equipments
19	Supply and fitment of Over Voltage Relay (OVR) for Crompton greaves make 500KVA,750V,3 phase, 50Hz 1500RPM,380 Amp , Brushless Alternator	2	25	No.	130291.00	3257275.00	Considered @50% of total equipments
20	Maintenance of alternators on power cars	2	25	No.	7800.00	195000.00	Considered @50% of total equipments
21	Alignment of alternators and engines. (Condition basis).	2	25	No.	22360.00	559000.00	Considered @50% of total equipments
Total						**28814840.00**	
Average Cost for one (01) Power Car						1152593.60	

Signature Not Verified
Digitally signed by HARI OM SHARMA
Date: 2026.06.23 16:06:01 IST
Reason: IREPS-CRIS
Location: New Delhi