

BHEL::HYDERABAD

Tender Ref.M&S/P&C/2017/72 DT.1/12/2017

Annexure – I

TECHNICAL POINTS

SUB: Maintenance contract for “roof lighting installations in all production blocks & other stores departments including preventive maintenance for one year period.

S. No.	Technical points	Contractor's remarks as Agreed / Not Agreed
1.	Works are both of preventive maintenance and breakdown maintenance in nature. Preventive maintenance activity shall be carried out daily and Breakdown maintenance work shall be attended immediately. The priority of works to be carried out shall be as per the instruction of contract executing officer.	
2.	Contractor shall be able to attend to maintenance works any time of the day in first shifts, on all working days throughout the year. The contractor shall be able to complete all the works as per the time schedule given by the contract executing officer. The contractor shall be able to organize resources including men to meet the time schedules as required by the contract executing officer or the nominated persons of BHEL.	
3.	Contractor shall engage Qualified Electricians with fitting knowledge for the repair of electrical nature and related mechanical works also. Contractor shall provide all the necessary safety equipment's for carrying out electrical repairs	
4.	Necessary tools for carrying out repairs for both electrical and mechanical works shall be provided by the contractor. The other auxiliaries like ladder, multi meters, Tong tester, Line Tester, Ropes etc for carrying out maintenance works shall be provided by the contractor.	
5.	The scope of work is enclosed vide Annexure-II. The works that are detailed is not an exhaustive list. Any other works as and when is identified by the contract executing officer shall also be carried out by the contractor.	
6.	Spares will be provided by BHEL and handed over the contractor. In case of breakage/damage of such spares during erection, the cost of such spares will be deducted from contractor's bill.	
7.	Contractor shall keep a record of work carried out every day and duly get it certified by the contract executing officer.	
8.	BHEL shall not be responsible for any accident to the employees of the contractor/ the contractor's personnel. The contractor and his employees shall follow all the safety guidelines as laid out by TS Factory rules and other relevant rules.	
9.	All the works carried out by the contractor shall be to the satisfaction of the contract executing officer.	
10.	BHEL reserves the right to terminate the contract if in its opinion the contractor is not meeting the BHEL requirements.	

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11.	Contractor shall provide required Manpower on all working days and also provide extra manpower during emergency as per instruction of contract executing officer.	
12.	Contractor shall have valid Electrical License (LT) from the competent authority.	
13.	All dismantled material shall be returned.	
14.	Safety permit working at height for attending work above 10' from ground level shall be obtained before starting the work.	
15.	Necessary checks shall be carried out throughout the year for ensuring proper earthing.	
16.	The Contractor shall not employ any person below the age of 18 years. Proof of the age shall be provided.	
17.	Contractor shall attend the Breakdown in all the shop floors/stores as and when instructed by Contract executing officer.	
18.	Breakdown and preventive maintenance Works shall be undertaken in all the shop floors / stores.	
19.	All the Personnel thus engaged have to report to the contract-executing officer daily on all working days.	
20	Extension of the period of contract for a further period of one year on the same terms and conditions and without a price variation on mutually agreed basis.	

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Sl. No.	DESCRIPTION OF WORK	Unit	Quantity
1	Checking and replacement of spare parts of MV /SV / MH 240 Volts, 400W/250W/125W fittings if not working		
	a) Lamps	Nos.	1000
	b) Ballast/Choke	Nos.	500
	c) Igniters	Nos.	500
	d) Capacitors	Nos.	500
	e) Lamp Holders & any other issues for functioning of complete set like wiring inside the fittings, etc.	Nos.	300
	f) Replacement of fitting assembly in place of defective one	Nos.	100
2	Cleaning of cob webs on open wires(four) run on reel insulators of roof lighting.(1 R.mtr= 1mtr length of all 4wires)	R. mtrs	7000
3	Cleaning of reflectors with kerosene or thinner and replacement of wingnut, screw if necessary	Nos.	1000
4	Laying of single core 6 sq.mm aluminum conductor PVC insulated & sheathed cable in place of damaged wire in open wiring	mtrs.	1000
5	Replacement of 2/4/6/15 Amps moulded case MCB'S 250 VOLTS, in place of defective distribution boards	Nos.	100
6	Replacement of ICTP switches /Combination fuse switches on ML Boards of 100 Amps or 63 Amps, 440 VOLTS.	Nos.	20
7	Repairs & Replacement of existing tube light fittings of twin / single 28W 4"/36W 4"/40 watts 5" in high bays of stores department with BHEL Given lamps, chokes, starters, holders etc		
	a) Lamps	Nos.	100
	b) Choke(Electronics &Magnetic)	Nos.	50
	c) Starters &Reflectors	Nos.	50
	d) Holders & internal wirings	Nos.	50
	e) Replacement of fitting assembly in place of defective one	Nos.	50
8	Repair & replacements of Fuse holder	Nos.	50
9	Replacement of On-Off switch / MCB DB boards for roof lights 8 Way or 12 Way, 30 Amps MCB	Nos.	15
10	Laying & termination of Al armoured Cable 25 or 35 Sq. mm	meters	200
11	Checking of wiring circuits	Nos.	100
12	Earthing points rectification but not earth pits	Nos.	25