



INDRAPRASTHA POWER GENERATION COMPANY LTD.
(A Government of NCT of Delhi Undertaking)

**C & M Department,
Pragati Power Station,
IP Estate, Ring Road,
New Delhi-110002
Fax: 011-23370533**

Ref.1000002489

Subject:Annual Rate Contract of Electrical System of GTPS.
Enquiry No. 1000002489

Earnest Money Deposit:Rs.28000.00 "in f/o IPGCL".
Bid Opening Date 31.05.2012 **Time of Opening** 11:30:00
Cost of Tender Documents: RS 750.00 #in f/o IPGCL”

Qualifying Requirement:1. The average annual financial turnover of the bidder during the last three financial years ending 31st March, 2012, should be at least Rs.4.2Lacs only.2. The bidder should be satisfactory executed work(s) for Erection & Commissioning / AMC / Overhauling Contracts of Electrical System in SEB/ IPGCL / NTPC / PSUs / DTL / large industrial establishment with experience in at least two of the following specialized areas i.e. HT/LT Switch-gears or HT/LT Motors or Battery Chargers & Station Battery or Station Lighting System during the past 07 calendar years ending 31st March, 2012 with either of the following: a) Three similar completed works costing not less than Rs.5.6 Lacs each. OR b) Two similar completed works costing not less than Rs.7.0 Lacs each. OR c) One similar completed works costing not less than Rs.11.2 Lacs.

Dear Sir/Madam,

Please send your sealed offer in the enclosed annexure as per the given instructions; otherwise your offer shall be ignored.

Important Guidelines:

Downloading/Sale of Document: From to upto 00:00:00.
Last date of submission of tender: 31.05.2012 upto 11:00:00.
Bid Opening Date: 31.05.2012 Time of Opening: 11:30:00 .

Tender opening activity shall take place at Pragati Power Station, CM Department, IP Estate, Ring Road, New Delhi # 02. You may deput e your representative to witness the bid opening.

Bids are to be submitted (online) in two parts viz # Part A # Techno-commercial bid and Part B- Price bid. EMD as applicable shall be accompanied (soft copy) with techno-commercial bid. Only techno-commercial bids will be opened on the due date. After evaluation of techno-commercial bids, price bids shall be opened after due intimation to all the bidders.

The bidder shall submit the scanned copy of following documents towards the proof for meeting the QR in Part-1 bid:

- 1) Visible self attested copy of EPF<(><<>>(>,<(><<>>)> Service tax & TIN registration no as per essential and mandatory requirement.
- 2) Visible self attested copy of Work Experience Certificate with executed amount from end user, actual date of start, actual date of completion as per Qualifying Requirements mentioned in the Tender Document and under essential & mandatory requirement of special terms and condition.
- 3) Visible self attested copy of Turn Over as per Qualifying Requirements in the Tender Document.
- 4) Bidder should have a valid Electrical Contractor license. Visible self attested copy of Electrical Contractor license.
- 5) Visible self attested Scanned copy of EMD submitted.

- 6) Visible self attested Scanned copy of Tender Fee submitted.
- 7) The Bidder should either submit document in respect of having registration with ESI or shall have to give an undertaking that the employees will be covered by group personal accident/mediclaim policy in addition to public liability & work men compensation policy before start of work.
- 8) The bidder should certify that the firm is not blacklisted/debarred by any Govt. /Semi-Govt. /Board/Corporate/Pvt. Organization and also certify that he will show the originals of self attested copies of submitted/uploaded documents for verification if called for.
- 9.N.B. # It is essential for every bidder to submit a certificate alongwith offer/tender/quotation that whether registered under MSMED Act, 2006 (Micro, Small and Medium Enterprise Development, Act, 2006).

Our NIT document, containing the detailed terms & conditions and other instructions is attached herewith.

Thanking You,

Yours Faithfully

Assistant Manager/Manager(C&M)

Bill of Quantity (Service)

S.NO	Service Code	Service Description	UOM	Qty	Rate
Item no.10	ARC of electrical system of GTPS				
10	EL12002474C	Mtc of Generator transformer	NO	0.000	
20	EL12002475C	Dehydration of generator transformer	H	0.000	
30	EL12002476C	Mtc of Auxiliary transformer	NO	0.000	
40	EL12002477C	Dehydration of Auxiliary transformer	H	0.000	
50	EL12002482C	cleaning of boiler board MCC	NO	0.000	
60	EL12002483C	cleaning of Turbine board MCC	NO	0.000	
70	EL12002484C	cleaning of Emergency board MCC	NO	0.000	
80	EL12002485C	cleaning of OLU unit MCC	NO	0.000	
90	EL12002486C	cleaning of 125V DCDB MCC	NO	0.000	
100	EL12002487C	cleaning of 6.6KV MCC Board	NO	0.000	
110	EL12002488C	cleaning 11 KV SA1 Board	NO	0.000	
120	EL12002489C	cleaning SA2 Board	NO	0.000	
130	EL12002490C	cleaning Relay & Metering Board	NO	0.000	
140	EL12002491C	cleaning CCT MCC Board	NO	0.000	
150	EL12002492C	Mtc of Generator auxiliary equipments	NO	0.000	
160	EL12002493C	Mtc of HT motor	NO	0.000	
170	EL12002494C	Mtc of LT motor upto 3.7KW	NO	0.000	
180	EL12002495C	Mtc of LT motor from 5-30KW	NO	0.000	
190	EL12002496C	Mtc of LT motor from 45-110KW	NO	0.000	
200	EL12002503C	Replacement of motors upto 3.7KW	NO	0.000	

S.NO	Service Code	Service Description	UOM	Qty	Rate
210	EL12002504C	Replacement of motors 5-30KW	NO	0.000	
220	EL12002505C	Replacement of motors 45-110 KW	NO	0.000	
230	EL12002506C	Beakdown Mtc of breaker upto 3.7KW	NO	0.000	
240	EL12002507C	Beakdown Mtc of breaker 5-30KW	NO	0.000	
250	EL12002508C	Beakdown Mtc of breaker 45-110KW	NO	0.000	
260	EL12002509C	Mtc of High Pr. Vapor light fittings	NO	0.000	
270	EL12002510C	Mtc of flourscent light fitting	NO	0.000	
280	EL12002511C	Installation of temporary light	NO	0.000	
290	EL12001100S	Electrical fitter	STD	0.000	
300	EL12001101S	Semi skilled/helper	STD	0.000	
310	EL12001102S	Unskilled/ Mazdoor	STD	0.000	
320	EL12001884C	Painting of electrical equipments	M2	0.000	

Total Value

Bidding Type : Two Part Bidding

Evaluation Criteria : ITEM WISE BASIS L1

Scope of work :

1)43mva ,66/11kv generator transformer:cleaning of dust and dirt accumulation on hv and lv bushing,lightening arrestor,oil accumulation on transformer tank, lv bushing chamber, marshelling box,on load tap changer control panel etc.checking of silica gel and oil level in the cup in dehydrating breather of conservator tank and oltcand top up if found low.clean air passage.checking of tightness of all cable termination inside marshelling box and oltc control panel and greasing of the operating mechanism. checking of looseness of lv, hv bushing and lightening arrestor clamps for all the phases and tightening of the same.checking and tightening of tank earthing and lightening arrestor earthing.checking of oil leakage from transformer tank flanges,radiators ,inspection covers, hv and lv bushings and attending the same by replacing gaskets and 'o' rings.checking of oil in the winding and oil temperature indicator pockets and replenish of the same if required.checking of healthiness of fans and their control circuit and rectification of the same by replacing control component such as fuse overload contactor etc. mechanical inspection of bucholz relay and set floats if required.checking of all protection alarm and trip circuit by actual external initiation.adjust the setting and wiring circuit if needed.replace damage relays.also checking of earth resistance of transformer.

2)43mva ,66/11kv generator transformer:shifting of transformer dehydration machine to the desired generator transformer.laying and connection of power cable to the machine.connection of inlet and outlet hosepipe to the transformer from the filtration machine.filtration of transformer oil and oltc oil till the oil test result found satisfactory.During the dehydration of transformer oil BDV, IR Value and temperature to be recorded on hourly basis.The sample for BDV of oil to be taken from transformer top and bottom.After completing oil filtration of transformer, disconnection of power cables and hose pipes and stacking of the same properly at desired place.also shifting of dehydration machine as directed by engineer in charge.Air to be released from HV and LV bushing,all the radiators and bucholz relay.Necessary manpower required for shifting of dehydration machine and other associated work shall be arranged by vendor along with deputing one number of skilled dehydration machine operator and one number of helper.

3)upto 7.5mva transformer:cleaning of dust and dirt accumulation on hv and lv bushing,lightening arrestor,oil accumulation on transformer tank <(>,<)>

lv bushing chamber, marshelling box,on load tap changer control panel etc.checking of silica gel and oil level in the cup in dehydrating breather of conservator tank and oltcand top up if found low.clean air passage.checking of tightness of all cable termination inside marshelling box and oltc control panel and greasing of the operating mechanism. checking of looseness of lv, hv bushing and lightening arrestor clamps for all the phases and tightening of the same.checking and tightening of tank earthing and lightening arrestor earthing.checking of oil leakage from transformer tank flanges,radiators ,inspection covers, hv and lv bushings and attending the same by replacing gaskets and 'o' rings.checking of oil in the winding and oil temperature indicator pockets and replenish of the same if required.checking of healthiness of fans and their control circuit and rectification of the same by replacing control component such as fuse overload contactor etc. mechanical inspection of bucholz relay and set floats if required.checking of all protection alarm and trip circuit by actual external initiation.adjust the setting and wiring circuit if needed.replace damage relays.also checking of earth resistance of transformer.

4)upto 7.5mva transformer:shifting of transformer dehydration machine to the desired generator transformer.laying and connection of power cable to the machine.connection of inlet and outlet hosepipe to the

transformer from the filtration machine. filtration of transformer oil and oil till the oil test result found satisfactory. During the dehydration of transformer oil BDV, IR Value and temperature to be recorded on hourly basis. The sample for BDV of oil to be taken from transformer top and bottom. After completing oil filtration of transformer, disconnection of power cables and hose pipes and stacking of the same properly at desired place. also shifting of dehydration machine as directed by engineer in charge. Air to be released from HV and LV bushing, all the radiators and bucholz relay. Necessary manpower required for shifting of dehydration machine and other associated work shall be arranged by vendor along with deputing one number of skilled dehydration machine operator and one number of helper.

5) cleaning of boiler board mcc 415 volt 3 phase double front type of size 14620*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.

6) cleaning of turbine board mcc 415 volt 3 phase double front type of size 11220*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.

7) cleaning of emergency board mcc 415 volt 3 phase double front type of size 3420*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.

8) cleaning of olu unit mcc 415 volt 3 phase double front type of size 8700*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.

9) cleaning of 125v dcdm mcc double front type of size 3240*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.

10) cleaning of 6.6kv mcc 3 phase double front type of size 15000*2000*2500mm from outside

11) cleaning of 11kv sa1 board 3 phase double front type of size 5600*1600*1600mm from outside

12) cleaning of 415v 3 phase sa2 board double front type of size

8000*1000*2500mm from outside 13) cleaning of relay & metering board double front type of size

17000*850*2000mm from outside

14) cleaning of cct mcc 415 volt 3 phase single front type of size 1500*500*2000mm from outside and cable chamber to remove dust and dirt accumulation.

15) main exciter and diode wheel cleaning after removal of exciter covers. cleaning of rotor shaft grounding brush gear and rotor earth fault system. inspection, cleaning and connection tightness of the same. checking of various electrical connection of lvt & ngt panel, pt primary & secondary fuse checking and replacement of the same if required. checking of tightness of generator 11 kv terminal and cleaning of bushing, terminal box compartment, seal of bushing etc. checking tightness of bus duct joints at various points.

16) maintenance of 6.6 kv 500kw ht motor. scope of work includes cleaning of all cooling holes. checking of tightness of power cables, foundation bolts and earthing connections. checking of oil leakage from bearing hose pipe and rectification of the same.

17) maintenance of 3 phase squirrel cage induction motor including ,cleaning & tightening of motor terminals of all three phases, motor fan & fan cover opening & cleaning, checking, greasing through greasing nipples, checking and tightening of motor earthing, checking of cable sealing, checking for terminals for any heating and replacement of thimbles if required.

18) maintenance of 3 phase squirrel cage induction motor including ,cleaning & tightening of motor terminals of all three phases, motor fan & fan cover opening & cleaning, checking, greasing through greasing nipples, checking and tightening of motor earthing, checking of cable sealing, checking for terminals for any heating and replacement of thimbles if required.

19) maintenance of 3 phase squirrel cage induction motor including ,cleaning & tightening of motor terminals of all three phases, motor fan & fan cover opening & cleaning, checking, greasing through greasing

nipples, checking and tightening of motor earthing, checking of cable sealing, checking for terminals for any heating and replacement of thimbles if required. 20) the scope of work includes dismantling of damaged motor from its

foundation by disconnection of power cables, space heater cable and earthing, foundation bolt etc. shifting of damaged motor at desired place as directed by engineer-in-charge inside gtps. shifting of healthy motor from gtps store to foundation and tightening of foundation bolt and connection of power cables, space heater cable and earthing etc.

21) the scope of work includes dismantling of damaged motor from its foundation by disconnection of power cables, space heater cable and earthing, foundation bolt etc. shifting of damaged motor at desired place as directed by engineer-in-charge inside gtps. shifting of healthy motor from gtps store to foundation and tightening of foundation bolt and connection of power cables, space heater cable and earthing etc.

22) the scope of work includes dismantling of damaged motor from its foundation by disconnection of power cables, space heater cable and earthing, foundation bolt etc. shifting of damaged motor at desired place as directed by engineer-in-charge inside gtps. Shifting of healthy motor from GTPS store to foundation and tightening of foundation bolt and connection of power cables, space heater cable and earthing etc.

23) assistance in rectification of fault inside breaker. the scope of work includes replacement of any of the damaged fuse, power auxiliary

contactors, overload relays, switchfuse unit male-female contacts selector switch etc. replacement of burnt control wiring as required. thimbling of the power cable for all three phases.

24) assistance in rectification of fault inside breaker. the scope of work includes replacement of any of the damaged fuse, power auxiliary

contactors, overload relays, switchfuse unit male-female contacts selector switch etc. replacement of burnt control wiring as required. thimbling of the power cable for all three phases.

25) assistance in rectification of fault inside breaker. the scope of work includes replacement of any of the damaged fuse, power auxiliary

contactors, overload relays, switchfuse unit male-female contacts selector switch etc. replacement of burnt control wiring as required. thimbling of the power cable for all three phases.

26) the scope of work includes cleaning of fitting, jib and control gear box. detection and rectification of fault. replacement of damaged wiring, fused lamp, ignitor, miniature circuit breaker and holder as

27) the scope of work includes cleaning of fitting. detection and rectification of fault. replacement of damaged wiring, fused tube starter, miniature circuit breaker and holder as required to make fitting glow. returning of scrap to scrap store.

28) the scope of work includes shifting of light fitting at desired place. wiring of same and connection to all fittings along with miniature circuit breaker and dismantling the fitting after completion of the job and shifting of the same at desired place.

29) SCOPE OF WORK FOR PAINTING OF ELECTRICAL EQUIPMENTS:

Removing the dirt and dust from specified equipment by using washing powder/detergent and cloth properly. Removing the rusting wherever required by using emery paper/wire brush etc. Removing the old loose paint properly by using scraper/emery paper/cloth etc. Making the surface suitable for painting by grinding, scraping and cleaning properly. Paint shall be provided by IPGCL. Consumable such as emery paper, detergent, old dhoti, wire brush, paint brush etc. and all required Tool & Tackles shall be arranged and provided by the party without any extra charge.

Note: All the spares required completing above job shall be provided by IPGCL. However manpower and P shall be provided by contractor to complete the job as required.

Special Terms & Conditions:

1. The contractor shall provide experienced personal to carry out routine/breakdown maintenance works. The qualification/experience for those shall be as under:-
 - a) Supervisor: Shall possess Diploma in Electrical Engg. with 3 years experience in the similar field of power station or Degree in Electrical Engg. with one year experience in the similar field of power station.
 - b) Electric fitter: ITI (in electrical trade) with 2 years experience in power station.
 - C) Unskilled /Mazdoor: 8th pass with one year experience in the similar field of power station.
2. Contractor shall ensure all safety measures during work and shall be solely responsible for the safety and insurance of their employee. All required safety equipments like helmet, Hand gloves, safety shoes, insulated tools & tackles etc. shall be provided by the contractor to their employee
3. The bidder should have registration with statutory authorities and possess valid certificate of EPF, ESI, and Electrical Contractor License. He shall furnish copy of acknowledgement of latest Income Tax Return with copies of statutory registration.
4. The contract shall be awarded based on overall least quoted basis to one vendor.
5. Payment will be made to contractor on monthly basis based on job/work completed during previous month after submitting of bill.
6. Work to be started only after taking the permit to work/written communication by IPGCL Engineer #in- charge or site Engineer.
7. Third Party Insurance: Third Party Insurance to the extent of 2.0 lac shall be arranged by the contractor and hold IPGCL harmless from liabilities, whatsoever on this account.
8. Safety code : Contractor shall ensure that safety rules are observed to avoid any accident which may cause loss of life or damage to vendor's / IPGCL's staff and property. Contractor shall be fully responsible in any way for injury, disablement, accident to any workman on this account. IPGCL will not be responsible to pay any damages to the workers of contractor and will be free from any legal binding in this regard. The violation of safety norms by contractor shall attract a penalty of @ 1% of ordered value ' per instant' limited to maximum of 5% of the ordered value.
9. The Contractor shall comply / obey all the labour laws governing the workman engaged by them, directly or through sub contractor and implement the provision of factories act, compensation act, and other acts / rules and regulations framed there under and also provision of any other act as may be applicable for operation or carrying out the contract.
10. Contract Period: Contract shall be valid for twelve months from date of award of contract.
However the completion time for each PR item is as under:
Item no [10]-- 2 days
Item no [20]-- 4 days
Item no [30]-- 1 day
Item no [40]-- 2 days
Item no [50-230]-- 1 day Item no [240-250]-- 2 days
Item no [260-350]-- 1 day
Item no [360]-- 2hours
Item no [370]-- 1 hour
Item no [380]-- 1 day
11. Following will be supplied by IPGCL free of cost:
Providing electricity and water and compressed air.
12. Any worker below the age of 18 years & lady workers from <(>, <>>18.00 hrs to 8.00 hrs are not allowed.
13. The vender shall report within specified period in specification sheet on the job on telephonic / verbal / written information from IPGCL and work should be completed in period given in specification sheet. In

case of delay in execution, the penalty @ 5% value of that individual item shall be levied for each day of delay. Also for item which having completion period on hourly basis, the penalty @ of 1% per hour will be levied. For both the above, the maximum penalty shall be limited to 50% of ordered value of that particular job.

14. The vendor may have to provide One skilled and one number of Helper in night shift on daily basis to meet out any emergency.

15. The vendor shall arrange all T<(><<)>(>&<(><<)>)>P required to complete the particular job.

16. Vendor shall also arrange the consumables like cloth and PVC tapes as per requirement

17. Contract period shall be valid for one year from the date of start of contract.

18. Contractor should have a valid Electrical contractor license.

Remarks :

All other Terms & Conditions as per IPGCL NIT(Attached).

Annexure :

Detailed specifications

Item no: 10		ARC of electrical system of GTPS	
S.NO	Service Code	Service description	Detailed Description
10	EL12002474C	Mtc of Generator transformer	43MVA ,66/11KV generator transformer:Cleaning of dust and dirt accumulation on HV and LV bushing,Lightening arrester,oil accumulation on transformer tank, LV bushing chamber, marshelling box,on load tap changer control panel etc.Checking of silica gel and oil level in the cup in dehydrating breather of Conservator tank and OLTCand top up if found low.Clean air passage.Checking of tightness of all cable termination inside marshelling box and OLTC control panel and greasing of the operating mechanism. checking of looseness o
20	EL12002475C	Dehydration of generator transformer	43MVA ,66/11KV generator transformer:Shifting of transformer dehydration machine to the desired Generator transformer.Laying and connection of power cable to the machine.Connection of inlet and outlet hosepipe to the transformer from the filtration machine.Filtration of transformer oil and OLTC oil till the oil test result found satisfactory.After completing oil filtration of transformer, disconnection of power cables and hopse pipes and stacking of the same properly at desired place.Also shifting of dehydration machine a
30	EL12002476C	Mtc of Auxiliary transformer	Upto 7.5MVA transformer:Cleaning of dust and dirt accumulation on HV and LV bushing,Lightening arrester,oil accumulation on transformer tank, LV bushing chamber, marshelling box,on load tap changer control panel etc.Checking of silica gel and oil level in the cup in dehydrating breather of Conservator tank and OLTCand top up if found low.Clean air passage.Checking of tightness of all cable termination inside marshelling box and OLTC control panel and greasing of the operating mechanism. checking of looseness of LV, HV bush
40	EL12002477C	Dehydration of Auxiliary transformer	Upto 7.5MVA Transformer:Shifting of transformer dehydration machine to the desired Generator transformer.Laying and connection of power cable to the machine.Connection of inlet and outlet hosepipe to the transformer from the filtration machine.Filtration of transformer oil and OLTC oil till the oil test result found satisfactory.After completing oil filtration of transformer, disconnection of power cables and hopse pipes and stacking of the same properly at desired place.Also shifting of dehydration machine as directed by
50	EL12002482C	cleaning of boiler board MCC	Cleaning of boiler board MCC 415 Volt 3

			phase double front type of size 14620*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.
60	EL12002483C	cleaning of Turbine board MCC	Cleaning of Turbine board MCC 415 Volt 3 phase double front type of size 11220*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.
70	EL12002484C	cleaning of Emergency board MCC	Cleaning of Emergency board MCC 415 Volt 3 phase double front type of size 3420*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.
80	EL12002485C	cleaning of OLU unit MCC	Cleaning of OLU unit MCC 415 Volt 3 phase double front type of size 8700*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.
90	EL12002486C	cleaning of 125V DCDB MCC	Cleaning of 125V DCDB MCC double front type of size 3240*1000*2340mm from outside and cable chamber to remove dust and dirt accumulation.
100	EL12002487C	cleaning of 6.6KV MCC Board	Cleaning of 6.6KV MCC 3 phase double front type of size 15000*2000*2500mm from outside
110	EL12002488C	cleaning 11 KV SA1 Board	Cleaning of 11KV SA1 board 3 phase double front type of size 5600*1600*1600mm from outside
120	EL12002489C	cleaning SA2 Board	Cleaning of 415V 3 phase SA2 board double front type of size 8000*1000*2500mm from outside
130	EL12002490C	cleaning Relay & Metering Board	Cleaning of Relay & metering board double front type of size 17000*850*2000mm from outside
140	EL12002491C	cleaning CCT MCC Board	Cleaning of CCT MCC 415 Volt 3 phase single front type of size 1500*500*2000mm from outside and cable chamber to remove dust and dirt accumulation.
150	EL12002492C	Mtc of Generator auxiliary equipments	Main exiter and diode wheel cleaning after removal of exiter covers. Cleaning of rotor shaft grounding brush gear and rotor earth fault system. Inspection, cleaning and connection tightness of the same. Checking of various electrical connection of LAVT & NGT panel, PT primary & secondary fuse checking and replacement of the same if required. Checking of tightness of generator 11 KV terminal and cleaning of Bushing, Terminal box compartment, seal of bushing etc. Checking tightness of bus duct joints at various points.
160	EL12002493C	Mtc of HT motor	Maintenance of 6.6 KV 500KW HT motor. Scope of work includes cleaning of all cooling holes. Checking of tightness of power cables, foundation bolts and earthing connections. Checking of oil leakage from bearing hose pipe and rectification of the same.
170	EL12002494C	Mtc of LT motor upto 3.7KW	MAINTENANCE OF 3 PHASE SQUIRREL

			CAGE INDUCTION MOTOR INCLUDING,CLEANING & TIGHTENING OF MOTOR TERMINALS OF ALL THREE PHASES,MOTOR FAN & FAN COVER OPENING & CLEANING,CHECKING,GREASING THROUGH GREASING NIPPLES, CHECKING AND TIGHTENING OF MOTOR EARTHING,CHECKING OF CABLE SEALING,CHECKING FOR TERMINALS FOR ANY HEATING and replacement of thimbles if required.
180	EL12002495C	Mtc of LT motor from 5-30KW	MAINTENANCE OF 3 PHASE SQUIRREL CAGE INDUCTION MOTOR INCLUDING,CLEANING & TIGHTENING OF MOTOR TERMINALS OF ALL THREE PHASES,MOTOR FAN & FAN COVER OPENING & CLEANING,CHECKING,GREASING THROUGH GREASING NIPPLES, CHECKING AND TIGHTENING OF MOTOR EARTHING,CHECKING OF CABLE SEALING,CHECKING FOR TERMINALS FOR ANY HEATING and replacement of thimbles if required.
190	EL12002496C	Mtc of LT motor from 45-110KW	MAINTENANCE OF 3 PHASE SQUIRREL CAGE INDUCTION MOTOR INCLUDING,CLEANING & TIGHTENING OF MOTOR TERMINALS OF ALL THREE PHASES,MOTOR FAN & FAN COVER OPENING & CLEANING,CHECKING,GREASING THROUGH GREASING NIPPLES, CHECKING AND TIGHTENING OF MOTOR EARTHING,CHECKING OF CABLE SEALING,CHECKING FOR TERMINALS FOR ANY HEATING and replacement of thimbles if required.
200	EL12002503C	Replacement of motors upto 3.7KW	The scope of work includes dismantalling of damaged motor from its foundation by disconnection of power cables, space heater cable and earthing, foundation bolt etc.Shifthing of damage motor at dfesired place as directed by engineer-in-charge inside GTPS.Shifting of healthy motor from GTPS store to foundation and tightening of foundation bolt and connection of power cables, space heater cable and earthing etc.
210	EL12002504C	Replacement of motors 5-30KW	The scope of work includes dismantalling of damaged motor from its foundation by disconnection of power cables, space heater cable and earthing, foundation bolt etc.Shifthing of damage motor at dfesired place as directed by engineer-in-charge inside GTPS.Shifting of healthy motor from GTPS store to foundation and tightening of foundation bolt and connection of power cables, space heater cable and earthing etc.
220	EL12002505C	Replacement of motors 45-110 KW	The scope of work includes dismantalling of damaged motor from its foundation by

			disconnection of power cables, space heater cable and earthing, foundation bolt etc. Shifting of damage motor at desired place as directed by engineer-in-charge inside GTPS. Shifting of healthy motor from GTPS store to foundation and tightening of foundation bolt and connection of power cables, space heater cable and earthing etc.
230	EL12002506C	Beakdown Mtc of breaker upto 3.7KW	Assistance in rectification of fault inside breaker. The scope of work includes replacement of any of the damaged fuse, power & auxiliary contactors, Overload relays, switch fuse unit male-female contacts, selector switch etc. Replacement of burnt control wiring as required. Thimbling of the power cable for all three phases.
240	EL12002507C	Beakdown Mtc of breaker 5-30KW	Assistance in rectification of fault inside breaker. The scope of work includes replacement of any of the damaged fuse, power & auxiliary contactors, Overload relays, switch fuse unit male-female contacts, selector switch etc. Replacement of burnt control wiring as required. Thimbling of the power cable for all three phases.
250	EL12002508C	Beakdown Mtc of breaker 45-110KW	Assistance in rectification of fault inside breaker. The scope of work includes replacement of any of the damaged fuse, power & auxiliary contactors, Overload relays, switch fuse unit male-female contacts, selector switch etc. Replacement of burnt control wiring as required. Thimbling of the power cable for all three phases.
260	EL12002509C	Mtc of High Pr. Vapor light fittings	The scope of work includes cleaning of fitting, JB and control gear box. Detection and rectification of fault. Replacement of damaged wiring, fused lamp, ignitor, Miniature circuit breaker and holder as required to make fitting glow. Returning of scrap to scrap store.
270	EL12002510C	Mtc of flourscent light fitting	The scope of work includes cleaning of fitting. Detection and rectification of fault. Replacement of damaged wiring, fused tube, starter, Miniature circuit breaker and holder as required to make fitting glow. Returning of scrap to scrap store.
280	EL12002511C	Installation of temporary light	The scope of work includes shifting of light fitting at desired place. Wiring of same and connection to all fittings along with Miniature circuit breaker and dismantling the fitting after completion of the job and shifting of the same at desired place.
290	EL12001100S	Electrical fitter	Electrical fitter
300	EL12001101S	Semi skilled/helper	Semi skilled/helper
310	EL12001102S	Unskilled/ Mazdoor	Unskilled/ Mazdoor
320	EL12001884C	Painting of electrical equipments	Painting of electrical equipments, As per scope of work