



ORISSA POWER GENERATION CORPORATION

Banharpali | Jharsuguda | Odisha (768234) |

Annexure-I

SCOPE OF WORK FOR CONTRACT PART-A

Introduction:

The Scope of Work/facilities under this Contract broadly covers "Providing assistance in commissioning of Electrical system for switchyard, main plant, BOP, AHP of Unit no. 3 &4 of OPGC till COD

Scope of work is tentatively specified as below for providing complete assistance in commissioning activities of Electrical system. Any other miscellaneous work not mentioned but required for completion of job is included in the scope of work and contractors will not be paid any extra amount for the same.

Assistance in General Shift

- Checking and recording the parameters of switchyard equipment.
- Checking parameters of oil filled transformer and recording in prescribed format.
- Assistance in troubleshooting activities (if any) in switchyard, BTG and BOP areas.
- Assisting in commissioning activities in switchyard, BTG and BOP areas.
- Checking of lighting system if found faulty.
- Monitoring DC Batteries voltage and specific gravity.
- Monitoring and recording of UPS batteries.
- Providing lighting and welding connection to other departments.
- Cable laying if required for welding and temporary lighting connections
- Monitoring and recording the parameters of Emergency DG and Fire engines.
- Assistance in stores for inspection of mandatory spares.
- Assistance in testing of electrical equipments, if required by commissioning team.
- Assistance in attending oil leakage in any of the oil filled transformer.
- Oil sample collection from transformer for oil testing.
- Silica gel reconditioning if required.
- Shifting and installation of de-watering motors if required.
- Assistance in troubleshooting of ESP electrical and mechanical system.
- Troubleshooting of Air conditioning system.
- Servicing of electrical actuators.
- Assistance to C&I, mechanical dept. commissioning and maintenance activities by providing power supply connection.
- Motor shifting and replacement.
- Assisting in commissioning of transformers.



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- Thermal image scanning of equipment (thermal image scanner will be in scope of OPGC).
- Assisting in panel and motor repair works.
- Painting works as instructed by OPGC EIC.
- Vegetation removal in switchyard.
- Housekeeping of electrical equipment areas as instructed by OPGC EIC.

Assistance in A, B & C Shift (In shift duty for 8Hrs/Shift)

- Monitoring healthiness of all MCC/PMCC in switchyard, BTG and BOP areas.
- Assistance for any electrical troubleshooting in 'B' and 'C' shift.
- Lighting arrangement if required in 'B' and 'C' shift.
- Troubleshooting in lighting system during night time to maintain minimum lux level in working area.
- Assistance to C&I, mechanical dept. commissioning and maintenance activities by providing power supply connection.
- Assistance in troubleshooting of PMCC/MCC.
- Assistance in troubleshooting of Local control Panels.
- Providing lighting and welding connection to other departments.
- Greasing of HT, LT motors.
- Thermal image scanning of switchyard equipments, oil filled transformer, HT/LT switchgear.
- Assistance in maintenance and troubleshooting of soot blower system.
- Assistance in Troubleshooting of Electrical Actuators