

JOB SCOPE FOR U#1 NEW LCI COMMISSIONING JOB

PART-A: EXTENDED PLATFORM FABRICATION & ERECTION

- Fabrication of extended platform including material & erection outside 12.5mtr ESP building material gate. Platform to be installed before LCI panels shifting starts with min load withstanding capacity of 5Tonne.
- Vendor to submit platform drawings and after approval of platform drawing from engineering division MPL EMD will give clearance for platform erection.

PART-B: SHIFTING OF NEW LCI PANELS TO 12.5MTR ESP BUILDING VFD ROOM

- Shifting of LCI panels from MPL stores to ESP building "0mtr" and providing proper covering against water & dust ingress. Panel lifting must be done by hydra and shifting by trailer. Hydra & trailer must comply with MPL & Jharkhand state government norms. Flagman to be deployed while matching.
- ESP building rear end: All work of dismantling existing fencing and making path for entry of trailer/crane and after completion of project again refencing is in scope of vendor.
- Cutting of extended beams as required for smooth operation of crane during shifting.
- Lifting & shifting of new LCI panels to 12.5mts VFD base via extended platform after in service LCI panels decommissioned & base is cleared after required modification by vendor.
- As per requirement any alteration in material gate which include gate removal & wall breaking (if required) will be in scope of vendor.
- As per MPL requirement floor hole drilling/cutting for cable entry to be performed.
- Any damage to panel while shifting is chargeable and touchup painting to be done in case of scratch occurred in panel.
- In view of rainy weather, panel humidity indicator should not raise above 50% indication mark while shifting from MPL stores to ESP-1- 12.5mtrs VFD room, all required arrangement to be done by vendor.

PART-C: DECOMMISSIONING/COMMISSIONING OF LCI PANELS

- Decommissioning of in-service LCI panel including power/control cable disconnection & cable tagging.
- 5tonne 5nos chain pully blocks and trolley required from internal shifting of panels
- Shifting & storage of decommissioned panel at proper location as shown by MPL EMD in 12.5mtrs ESP VFD room.
- LCI base frame surface grinding & cover plate fixing to be done to cover the open areas.
- All frame related jobs are in scope of vendor.
- New panel erection & commissioning which includes-specialization in power cable & control cable relugging (if required) and termination.
- Panel gland plate hole making matching cable size.
- Panel gland plate sealing for vermin protection from bottom at cable vault.
- Control cable dressing is in scope of vendor.
- Power cable restructuring and trefoil clamping is in scope of vendor battery limit of VFD transformer upto motor terminal.
- Power cable jointing as per site specific requirement.

- Room air ventilation duct sealing work.
- Painting job.
- Floor civil work.
- All type of cable gland, lugs and ferrule printing machine as per site requirement.

PART-D: PENALTY

- 0.1% of total value penalty for per day job delay.
- Platform erection job to be completed by 25th June 2025

PART-D: JOB SAFETY REQUIREMENT

- The job includes high risk activity so workmen with L1,L2 under supervision of L3 card holder to be performed.
- All tools & potable equipment should be tested and certified by MPL EMD.
- Vendor to ensure all manpower medically healthy.
- Vendor to ensure all PPE are defect free and having valid certificate.
- Vendor to comply all safety norms of MPL.