



VOLUME II — S6: GTS & ECC (Package-A, B, C, D)
TECHNICAL SPECIFICATIONS
GENERAL TECHNICAL SPECIFICATION AND ERECTION AND
COMMISSIONING CONDITIONS OF CONTRACT (ECC)

Design, Engineering, Supply, and Construction of
Package A, B, C & D – New Lignite Feeding System,
Associated Works, Contingency Feeding Arrangement & Dismantling work

Tender No.: GIPCL/SLPP/R&M/LHS/FB-RE/LOCATION/EPC/2026

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Gujarat Industries Power Company Limited
Surat Lignite Power Plant (SLPP), Village: Nani Naroli, Taluka: Mangrol, Dist.:
Surat, Gujarat



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GENERAL TECHNICAL SPECIFICATION AND ERECTION AND COMMISSIONING CONDITIONS – PREAMBLE

The Erection and Commissioning Conditions of Contract (ECC) set forth the detailed requirements, procedures, and obligations governing all site activities including civil construction, fabrication, erection, installation, pre-commissioning, commissioning, trial operation, and Performance Guarantee (PG) Testing of the complete scope under Package A (New Lignite Feeding System near Plant End – New Feeder Breaker, conveyor system, new ramp and all associated civil, structural, electrical & C&I works), Package B (Associated Works – weigh bridge, approach road, RFID, lighting, firefighting extension etc.), Package C (Contingency Surface Feeder Arrangement), and Package D (Dismantling & disposal of existing conveyor system on “As is Where is” basis) at GIPCL – SLPP Phase-I.

The GTS & ECC shall be read in conjunction with the General Conditions of Contract, Special Conditions of Contract, and Technical Specifications (Volume II). For contractual matters, the SCC and GCC shall govern.

These conditions apply to all Works executed at site by the Contractor, its sub-contractors, vendors' service engineers, or any other personnel deployed by the Contractor.

6.0 DEFINITIONS

In addition to definitions in GCC and SCC, the following specific terms apply to the ECC:

"Site": means the area at GIPCL – SLPP, Village: Nani Naroли, Taluka: Mangrol, District: Surat, Gujarat, designated by GIPCL for execution of the Works under Package A, Package B, and Package C, including the new ramp location near the existing Apron Feeder (Phase-II system), Package B work areas (weigh bridge, approach road etc.), and Package C surface feeder installation area, and all associated work areas.

"Engineer-in-Charge" (EIC): means the officer / representative designated by GIPCL or PMC (M/s STEAG) to supervise, inspect, test, and certify all site activities.

"PTW": means Permit to Work – a formal written system for controlling hazardous work activities at SLPP.

"Cold Commissioning": means commissioning activities carried out without lignite/material flow, including dry run of all equipment, electrical tests, logic checks, interlock verification, and alignment/setting checks.



"Load/Hot Commissioning/": means commissioning activities carried out with actual lignite flow through the new Feeder Breaker System under loaded conditions.

"Trial Operation": means continuous operation of the complete new system under actual plant conditions for a specified duration, monitored by GIPCL/PMC, preceding PG Tests.

"Taking Over Certificate" (TOC): means the formal certificate issued by GIPCL/EIC upon satisfactory completion of PG Tests and handing over of the complete system.

"Pre-commissioning": means all checks, tests, and inspections carried out on individual equipment prior to cold commissioning, including mechanical run-out checks, motor rotation checks, and instrument loop checks.

"Vendor/OEM Engineer": means the technical expert deputed by the original equipment manufacturer for supervision, guidance, and certification during erection and commissioning of their respective equipment.

6.1 CONTRACTOR'S SITE ESTABLISHMENT AND MOBILISATION

1. Mobilisation Period

The Contractor shall commence mobilization at site within fifteen (15) days of issuance of LoI / LoA / WO. Mobilization shall include deployment of key personnel, erection equipment/tools, and establishment of site office and infrastructure.

2. Site Office and Infrastructure

The Contractor shall establish and maintain, at its own cost, the following at site throughout the Contract period:

- a) Adequately furnished site office with proper ventilation, lighting, and basic amenities for the Contractor's staff.
- b) Site stores / laydown area for safe storage of materials and equipment.
- c) Fabrication area within the site premises as allotted by GIPCL.
- d) First Aid facility with necessary medicines.
- e) Adequate firefighting equipment as per GIPCL's site norms.
- f) CCTV/video surveillance of key storage and work areas (if directed by EIC).

3. Key Personnel Mobilization

The following minimum key personnel shall be deployed at site on a full-time resident basis:



Sr.	Designation	Minimum Qualification & Experience
1	Resident Project Manager (RPM)	BE/B.Tech (Mech./Civil/Elect.) with min. 15 years' experience in similar LHS/CHP projects
2	Construction Manager – Civil	BE Civil with min. 7 years' site experience in industrial civil & structural work
3	Erection Manager – Mechanical	BE Mech. with min. 7 years' experience in erection of conveyor/material handling systems
4	Electrical Engineer – Erection & Commissioning	BE Electrical with min. 5 years' experience in erection/commissioning of LT/HT systems
5	C&I Engineer – Commissioning	BE/Diploma C&I with min. 5 years' experience in PLC/DCS/SCADA commissioning
6	Safety Officer	Diploma in Industrial Safety with min. 5 years' experience. - A recognized Degree in Engineering/Technology or Science, together with a recognized Diploma in Industrial Safety of not less than one year's duration from an institute/university recognized by the State Government/DGFASLI.
7	Quality Control (QC) Inspector	BE/Diploma with min. 5 years' experience in QC of mechanical/structural works

CVs of all key personnel shall be submitted to GIPCL/PMC for approval prior to deployment. Any replacement shall be with prior written consent of GIPCL/PMC.

4. Erection Equipment and Plant

The Contractor shall deploy all erection equipment, cranes, hoists, tools, tackles, and temporary works required for efficient and safe execution of the



Works. Tools and tackles shall be tested and certified by competent person recognized by government of Gujarat. All statutory compliance shall be made by contractor. A list of proposed erection equipment shall be submitted to GIPCL/PMC well in advance before erection and constructional activity began.

6.2 SITE FACILITIES PROVIDED BY GIPCL / OWNER

GIPCL shall, subject to availability and SLPP operational requirements, endeavor to provide the following facilities to the Contractor at nominal/no cost. The Contractor shall not make any claim if any of the below facilities are not available or are temporarily unavailable due to plant operational exigencies:

Facility Provided by GIPCL	Contractor's Responsibility
Plot/area at site for Contractor's office, stores, and laydown (as per site allocation by GIPCL)	Contractor to maintain the allotted area in clean, safe, and organised condition
Road access within plant premises (subject to SLPP security norms and PTW)	Contractor to comply with all traffic regulations and gate pass procedures of SLPP
415V 3-phase power source at one designated point near work area (tapping point only) Power shall be chargeable	Contractor to lay internal distribution network from tapping point at own cost
Water supply at one designated point near work area (tapping point only)	Contractor to lay internal piping from tapping point at own cost

NOTE: All power drawn from GIPCL's tapping point shall be metered. GIPCL shall recover charges for power and water consumed by the Contractor at applicable tariff rates, and deduct the same from the Contractor's invoices.

6.3 RECEIPT, UNLOADING, STORAGE AND HANDLING OF MATERIALS AT SITE

1. Receipt and Inspection

All materials and equipment dispatched to site shall be received, unloaded, and inspected by the Contractor in the presence of GIPCL/EIC representative. Receipts shall be documented and submitted to EIC. GIPCL/EIC shall have the right to jointly inspect all incoming materials for compliance with approved drawings and specifications.

2. Unloading

The Contractor shall be responsible for all unloading operations using appropriate equipment. Hydraulic cranes, forklifts, and other suitable machinery shall be deployed for unloading heavy/bulky items. The



Contractor shall ensure no damage to equipment during unloading and shall be responsible for any damage caused.

3. Storage

- a) All equipment and materials shall be stored in a clean, dry, and protected area within the Contractor's allotted laydown area.
- b) Heavy/oversized items shall be stored on adequate sleepers/skids above ground level to prevent moisture damage.
- c) Electrical equipment, instruments, and control panels shall be stored in waterproof, climate-controlled storage (away from direct sunlight, rain, and extreme temperature).
- d) All rotating equipment (Feeder Breakers, conveyor drives, motors) shall be stored as per OEM storage recommendations including regular rotation of shafts to prevent brinelling.
- e) Belting shall be stored on mandrels in a cool, dry, shaded area.
- f) Structural steel sections shall be stacked systematically with proper identification markings for each member.
- g) Contractor shall maintain a material receipt register and stock register accessible to GIPCL/EIC at all times.

4. Rejected or Damaged Materials

Any material found damaged or not conforming to specifications shall be clearly segregated, tagged (in a distinct colour/label), and reported to EIC immediately. Such material shall not be used in the Works and shall be replaced by the Contractor at no additional cost to GIPCL.

6.4 CIVIL AND STRUCTURAL WORKS

Refer civil & structural section for details. However brief details are provided below.

1. Brief Scope of Civil Works

The Contractor's civil and structural scope under this Contract includes, but is not limited to:

- a) Construction of new RCC Ramp suitable for 1 no. Feeder Breaker (Package A), including all earth work, excavation, back-filling, and compaction.
- b) Design, engineering, and construction of all equipment foundations (Feeder Breaker, conveyor drives, idler supports, pulleys, take-ups, etc.) as per approved structural drawings and civil specifications.
- c) Construction of Electrical and C&I building (for switchgear, HT panels, LT panels, control panels) including flooring, roofing, doors, windows, and all civil finishing works.



- d) Galvanised structural steel framework for conveyor galleries, transfer houses, access platforms, walkways, ladders, handrails, and safety guards.
- e) Modification/breaking of existing civil structures (if required for interfacing with Phase-I and Phase-II systems) and restoration to original or better condition.
- f) Construction of cable racks, instrument racks, and conduit routing as per electrical and C&I layout drawings.
- g) Surface drainage and levelling of the work area.
- h) All temporary civil works (shoring, scaffolding, formwork, dewatering, etc.) necessary for safe execution.

2. Structural Steel Fabrication and Erection

a) Refer civil & structural section for details. However brief details are provided below.

Erection marks shall be clearly painted on all fabricated members at a minimum of two locations. The Contractor shall prepare and submit an Erection Scheme (including crane positions, lifts, boom lengths, sequencing, and temporary bracing plan) to EIC for approval before commencing erection. Welding shall be performed by qualified welders. All welds shall be 100% visually inspected; critical welds shall undergo DPT / MPI as directed by EIC.

- b) Welder test shall be conducted at site based on requirement. The same shall be testing with suitable welding testing arrangement by the contractor before deployment of the welder at job. The Contractor shall submit a list of qualified welders along with their WQT certificates for approval by GIPCL/PMC before commencement of any welding work.
- c) Welding Procedure Specifications (WPS) for all critical structural welds shall be prepared, documented, and approved by GIPCL/PMC before fabrication commences. No deviation from approved WPS shall be permitted without prior written approval.
- d) Non-Destructive Testing (NDT): All critical fillet welds and load-bearing joints shall be subjected to Dye Penetrant Test (DPT) or Magnetic Particle Inspection (MPI). All full-penetration butt welds in primary structural members (main frames, columns, beams) shall be subjected to Ultrasonic Testing (UT). NDT shall be carried out by third-party qualified NDT Level-II inspectors, if required; test records and reports shall be submitted to GIPCL/PMC.
- e) All fabricated structural members shall be inspected for dimensional accuracy before dispatch to site. Inspection reports with actual vs. specified dimensions shall be maintained with full traceability.



- f) Surface preparation and paint shall be as per the approved system specification.
- g) All fabricated structural members shall be match-marked at a minimum of two locations each for positive identification during site erection. For critical or complex structural assemblies, a trial erection (pre-assembly) shall be carried out at the fabrication shop before dispatch, and GIPCL/PMC shall be given 15 days advance notice for witnessing.

3. Painting and Corrosion Protection

Refer civil & structural section for details.

6.5 ERECTION OF MECHANICAL EQUIPMENT

1. General Erection Requirements

All mechanical equipment shall be erected strictly as per OEM's approved erection manuals, approved General Arrangement (GA) drawings, and the instructions of OEM/Vendor engineers. The Contractor shall ensure the following during erection of all mechanical equipment:

- a) All equipment shall be carefully cleaned of all transit packing, dust, rust preventive coatings (except machined surfaces), and any other contaminants before erection.
- b) All machined/finished surfaces shall be protected from damage during handling and erection.
- c) Equipment shall be set to correct position, level, elevation, and alignment as per approved GA drawings, using precision alignment tools (dial gauges, laser alignment instruments).
- d) All foundation bolts, pockets, and grouting shall be completed to OEM specifications before final tightening of hold-down bolts. Non-shrink cementitious grout of minimum strength 40 MPa (or as per approved specification) shall be used.
- e) Coupling alignment between motors and driven equipment shall be verified by laser alignment after grouting is cured.
- f) All rotating equipment shafts shall be checked for run-out before and after coupling alignment.

2. Feeder Breakers

The one (1) no. Feeder Breaker (VFD-driven, 1200 TPH) under Package A shall be erected as per approved layout and GA drawings. The following specific requirements shall be observed:

- a) OEM/Vendor engineer shall be present and shall supervise erection and commissioning of Feeder Breakers.



- b) Erection sequence for the Feeder Breaker shall be planned to avoid interference with ongoing Package B and Package C works being executed concurrently on site.
- c) Breaker/crusher teeth/picks, rotor, and side plates shall be inspected for damage before assembly.
- d) Drive train (Motor – VFD – Gearbox – Coupling) alignment and belt tension (for belt-driven units) shall be as per OEM specification.
- e) Anti-vibration mounts (if provided) shall be properly installed and compressed to specified height.
- f) All access doors, inspection covers, and dust seals shall be properly fitted and checked for leaks after installation.

3. Conveyors

The one (1) no. slow-speed conveyor (higher belt width for improved stone removal) under Package A shall be erected as per approved drawings and the following requirements:

- a) All conveyor stringers, frames, and gallery structures shall be erected and aligned before belt installation.
- b) Head pulleys, tail pulleys, snub pulleys, and all other pulleys shall be set to correct position and aligned parallel to each other within specified tolerances.
- c) Idlers shall be installed at correct spacing and set level; carry idlers shall be set at correct trough angle.
- d) Conveyor belt shall be installed as per OEM recommendation. Belt splicing (hot vulcanized joint) shall be as per specification and carried out by trained/qualified personnel.
- e) Belt tensioning (take-up adjustment) shall be carried out after belt run-in and before commissioning.
- f) Belt training (tracking) shall be carried out under no-load condition first, then under loaded condition.
- g) All belt scrapers and skirt boards shall be installed and properly adjusted.
- h) All covers, safety guards, and emergency pull-cord systems shall be installed before trial run.
- i) Safety guards shall be provided and securely fastened for all drive pulleys, tail pulleys, snub pulleys, couplings, brake drums, and all other rotating/moving parts of each conveyor before any trial run or energization. No trial run shall be permitted with any guard missing or improperly fitted.
- j) All over-ground conveyor galleries shall be fully enclosed (roof and sides) with permanently colour-coated metal sheet cladding. Electro-forged grating



walkways of adequate width shall be provided on both sides of the conveyor throughout the gallery length for safe operation and maintenance access.

- k) Structural integrity of all areas and structures on which the new equipment is installed shall be verified by the Contractor's structural engineer before commencement of erection and again at commissioning.

4. Drive Units (Motors, Gearboxes, Couplings)

Motors shall be erected on their designated base plates/bedplates as per approved GA drawings. Motor terminal box orientation shall be verified before grouting. Gearboxes shall be checked for oil level and breather conditions. Flexible couplings shall be aligned to within OEM-specified tolerances (angular and parallel misalignment). All coupling guards shall be installed before any motor run.

6.6 ERECTION OF ELECTRICAL EQUIPMENT AND CABLING

1. Electrical Equipment Installation

- a) MCC is G+1 story: HT/ LT Switchgear (MCC/PCC panels) shall be installed in the Electrical building. Entry/Exit clearance shall be confirmed before lifting and shifting of the switch gears. Doors shall have at least 1000 mm (Decided during detailing) clear frontage for operation and maintenance.
- b) Bus ducts and cable entry openings shall be properly sealed after cabling to prevent ingress of dust, moisture, insects, and rodents.
- c) Distribution boards, junction boxes, and all panels shall be installed on structural steel supports, earthed, and properly labelled.
- d) Variable Frequency Drives (VFDs) for Feeder Breakers shall be installed in a dust-free environment (inside dedicated enclosure in the Electrical building). VFDs shall be installed as per OEM recommendation with proper clearances for cooling/AC.
- e) All outdoor electrical equipment (field junction boxes, limit switches, pull-cord switch boxes) shall have minimum IP-65 enclosure rating.

2. Cable Installation

All cable laying, termination, and testing shall be as per the approved cable schedule, layout drawings, and the following requirements:

- a) All cables shall be laid without joints. Minimum bending radius shall be maintained as per IS:1554.
- b) Power and control cables shall be segregated on separate trays with minimum 300 mm (or as per approved plan) separation.
- c) All cable terminations shall be crimped using approved ferrules and cable lugs. All connections shall be torqued to specified values.
- d) All cables shall be tagged at both ends and at intermediate trays with cable numbers as per cable schedule.



- e) All HT / LT cables shall be tested (insulation resistance test) before and after laying, and results recorded.
- f) HV cable terminations shall be made by qualified cable jointers using approved termination kits.

6.7 ERECTION OF CONTROL & INSTRUMENTATION (C&I) SYSTEMS

1. Control System Installation

The PLC control panels shall be installed in the MCC building in a dust-free, air-conditioned environment. All control panels shall be levelled, anchored, and earthed as per approved layout drawings.

2. Field Instruments and Devices

- a) All field instruments (speed switches, belt sway switches, pull-cord switches, zero-speed switches, level indicators, temperature sensors, etc.) shall be installed at correct locations as per the approved instrument loop drawings and P&IDs.
- b) All instruments shall be calibrated before installation. Calibration certificates shall be submitted to EIC.
- c) Instrument cables/signal cables shall be laid in separate cable trays from power cables; minimum 300 mm separation shall be maintained. Shielded cables shall be used for all analog signals.
- d) All transmitters and instruments shall be protected from vibration, dust, moisture, and heat by appropriate enclosures/shields.

3. Interlocks, Alarms, and Safety Systems

All interlock logic, alarms, trip functions, and safety systems shall be configured, tested, and verified as per the approved Control Logic Diagrams (CLDs) and Interlock List. Interlock testing shall be carried out in the presence of GIPCL/PMC representative. No interlock shall be bypassed during commissioning or operation without written approval of EIC.

4. Communication and Networking

The new Feeder Breaker System's control system shall be integrated with the existing plant PLC/SCADA of Phase-I and Phase-II as per the approved interface specification. The Contractor shall coordinate for seamless integration without disruption to the existing plant control system.

6.8 INTERFACE WITH EXISTING PHASE-I LHS

1. Condition Assessment Prior to Interfacing

Before commencement of any interfacing or modification work on existing Phase-I LHS, the Contractor shall carry out a detailed condition assessment of the existing systems (mechanical, electrical, structural, and C&I) to be



interfaced. A written assessment report with photographs shall be submitted to GIPCL/PMC for review and approval.

2. Planned Outages

All interfacing works requiring shutdown/outage of the existing Phase-I systems shall be planned in advance and carried out only during planned/scheduled maintenance shutdowns or as specifically authorized in writing by GIPCL. The Contractor shall submit a detailed outage plan (activities, resources, duration, safeguards) to GIPCL/PMC well in advance for approval.

3. Minimising Disruption to Fuel Supply

The Contractor shall plan and execute all interfacing works in a manner that minimises disruption to the lignite fuel supply to SLPP Units. Any work that may affect the fuel supply shall be carried out only with explicit written consent of GIPCL/PMC and during the agreed shutdown window. The Contractor shall ensure restoration of fuel supply within the agreed outage period.

4. Electrical and C&I Interfacing

Integration of the new Feeder Breaker & conveyor System's electrical and C&I systems with the existing plant's systems (interlocks, sequencing, SCADA/PLC) shall be done in a controlled and phased manner, ensuring no inadvertent trip or disturbance to the running plant. All modification to existing electrical panels or C&I systems shall be done only during approved shutdown, with mandatory GIPCL's electrical safety clearance.

NOTE: The Contractor is cautioned that Phase-I and Phase-II LHS are critical for fuel supply to running units. Any unplanned outage of the existing LHS caused by the Contractor's actions shall be treated as a serious contractual breach and may attract penalties as decided by GIPCL.

6.9 STATUTORY REQUIREMENTS

1. COMPLIANCE OF LABOUR LAWS

1. The contractor shall at his own cost comply with the provision of labour laws, rules, orders and notifications whether central or state or local as applicable to him or to this contract from time to time. These Acts/Rules include without limitation of the followings.
2. Contractor shall be solely responsible and shall fully comply with all the provisions of all the labour laws applicable such as the Minimum Wages Act, 1948, Contract Labor (Regulation & Abolition) Act 1970, Factories Act, 1948, Payment of Bonus Act 1965, Employees Provident Fund and Miscellaneous



Provision Act 1952, Industrial Dispute Act 1947, Workmen Compensation Act 1923, Payment of Gratuity 1972, Interstate Migrant Workmen Act 1979, Equal Remuneration Act with Rules, Order and Notifications issued/made there under from time to time.

3. All other Acts, Rules/Bye-Laws, Orders, Notifications etc. present of future applicable to the contractor from time to time for performing the contract job.
 - a) The Contractor shall provide and be responsible for payment of Wages, Salaries, Bonus, Social charges, Insurance, Food, Accommodation, Transport, Medical and Canteen facilities and other statutory privileges and facilities to his personnel as per law/rules/regulations and orders of the Central Government, State Government, Local Authorities or other authorities as are in force from time to time. All employees of the Contractor shall be employee of the Contractor.
 - b) The contractor shall have a valid license obtained from Licensing Authority under the Contract Labour (Regulation & Abolition) Act-1970 at the time of execution of the contract covering all his employees working at SLPP site and furnish the same failing which GIPCL may terminate the contract at its sole discretion.
 - c) The Contractor shall at the time of execution of the contract have a EPF Code Number obtained from the Authorities concerned under the Employees Provident & Miscellaneous Provisions Act, 1972 and remit contributions in respect of the employees employed by him at SLPP Site to the P.F office concerned every month failing which GIPCL will recover from the outstanding payment to the contractor from GIPCL.PF code of Gujarat region should be taken (or as decided/concurred by GIPCL).
 - d) The Contractor shall maintain all records/registers required to be maintained by him under various labour laws mentioned above and produce the same before the Statutory Authorities whenever required.
 - e) The Contractor shall also submit periodical reports / returns to the various statutory authorities such as the Contract Labour (Regulation & Abolition) Act-1970, Employees Provident Fund Act etc. Under intimation to HR&Admn.Dept.
 - f) The Contractor shall not pay less than the Minimum Wages notified by the Government from time to time to his employees of corresponding categories.
 - g) The Contractor shall be responsible for payment of overtime wages to his workmen, if any, in case they are required to work beyond the prescribed hours under law as per applicable rates.
 - h) The contractor shall take Workmen Compensation Insurance Policy for all his employees working at SLPP. The contractor shall indemnify the



company against any liability due to any work injury or accident to any of its employees.

- i) The Contractor shall in the event any of his workmen / employee sustains any injury or disablement due to an accident arising out of and in the course of his employment, provide necessary medical treatment and pay compensation as applicable, required under the Workmen's Compensation Act, 1923.
 - j) If any of the persons engaged by the Contractor misbehave with any of the officials or the Company or commit any misconduct with regard to the property of the Company or suffer from any serious communicable disease, the Contractor shall replace them immediately.
 - k) The Contractor shall not engage / employ persons below the age of 18 years. Employment of women shall be strictly according to applicable laws.
 - l) GIPCL will have right to deduct and disburse the claims of the individual / parties being a principal employer on any account whatsoever in relation to their employment with the contractor. The Security deposit will be released to the contractor at the end of the contractual tenure subject to an undertaking by the contractor that in the event any of his workmen or the heirs of workmen puts up a claim for recovery of money due to him from the contractor before the appropriate authority under the I.D.Act 1947 or under any other labour laws or for compensation under the Workmen's Compensation Act, 1923 and the appropriate authority has given a direction for making payment the contractor will meet the same or indemnify GIPCL if in the event GIPCL pays it as Principal Employer.
 - m) The contractor shall make payment of wages to his employees on fixed date within the period specified under the applicable Law, in presence of representative of the company. He will submit a true copy of wage sheet, attendance register and P.F. remitted challans on monthly basis to HR&A dept. for verification and record.
 - n) The Contractor shall provide Safety items / kits to his employees such as safety shoes, goggles, ear plugs, hand gloves, safety belts etc., if any, required under the law.
 - o) The contractor shall conduct pre-induction and periodic medical check-up of his workmen as per applicable laws.
4. The contractor shall be solely responsible for any accident caused to his workers and should adhere to all rules / regulations as per labour laws of Government and other statutory laws as applicable.
5. The contractor should register himself under the Contract Labour Act, Employee Compensation Act and PF Act (Code no. to be mentioned) and submit the copy of registration certificate and should possess the same from



the date of commencement of work, failing which the contract is liable to be cancelled. The E.C. Policy copy should be submitted to the GIPCL before commencement of the work and Labour License should be obtained within one week from the date of issue of form-V. Contractor should apply for Form-V immediately after receipt of LOI. A copy of Labour License shall be submitted to GIPCL, HR & A Department.

6. Contractor shall have to insure his workmen /supervisors etc. under Group Insurance scheme.
7. The Contractor shall be responsible for compliance of all statutory rules, regulation, act enforced from time framed by the government such as Factory Act, Employee Compensation Act, payment of 'Wages Act', Minimum Wages Act', Provident Fund Act, All Labour Laws Act in respect of employees engaged by him for the work and shall have to maintain necessary records. In case any amount becomes due to be payable by him to his employees or to the Government under the above rules, regulation, Acts, GIPCL reserves the right to recover the same from the running bill of the contract.
8. Records as per the provisions of various statutory Acts will have to be maintained by the contractor and submitted as and when required.
9. All employees of contractor should maintain due discipline and respect local sentiments. GIPCL reserves the right to direct the contractor to remove any such person who does not comply with it.
10. Contractor shall comply all the requirements of The Occupational safety, health and working conditions central rules & regulations, 2020 and Gujarat Occupational Safety, Health and Working Conditions Rules, 2025 as amended.

Note: above statutory & legal instructions/details shall be applicable to contractor and subcontractor if any.

The list is indicative in nature and not an exhaustive one. Any amendment/alteration/Notifications or addition to the existing Law or a new statute shall automatically and immediately become applicable.

6.10 LEGAL ASPECTS

- 1) Contractor shall maintain all register required under the Labour Laws and make the payment as per the Minimum Wages Act to the workers employed by him.
- 2) Contractor shall obtain requisite license to carry out this contract under the provisions of Contract Labour Act, 1970 and maintain necessary records and registers under the said Act.



- 3) Contractor shall submit a copy of each of the registration certificates with respect to Employees Provident Fund and Employee Compensation Act within one-week time, from the date of award of this contract.
- 4) Contractor's employees, agent or sub-agent shall not smoke or light anything within the premises of the GIPCL and carry match box / lighter or any other explosive and /or inflammable material inside the plant.
- 5) Contractor shall abide by all the statutory rules and regulations like P.F, Labour Laws etc.
- 6) Contractor shall issue an appointment order to each casual labourer stating therein the nature of job to be performed by him and fix time for which the concerned labourers are likely to be deployed. Contractor shall also issue a temporary identity card specifying the period for which the labourer has been deployed.
- 7) Contractor is fully liable for the persons engaged by him for above work; however, GIPCL reserves the right to deduct any amount legally justified towards any liability not fulfilled.
- 8) Contractor shall indemnify GIPCL from any liabilities arising out of the employment of the manpower.
- 9) If the contractor fails to complete the allocated job within specified time frame, GIPCL shall get the work done by third party at the risk and cost of contractor.
- 10) Contractor shall comply all the requirements of The Occupational safety, health and working conditions central rules & regulations, 2020 and Gujarat Occupational Safety, Health and Working Conditions Rules, 2025 as amended.

Note : above statutory & legal instructions/details shall be applicable to contractor and subcontractor if any.

6.11 PAYMENT OF WAGES

Contractor shall be responsible for compliance of all statutory rules, regulation, act enforced from time framed by the government such as Factory Act, Employee Compensation Act, payment of 'Wages Act', Minimum Wages Act', Provident Fund Act, Payment of Bonus Act, Labour Law Act, maternity benefit act in respect of employees engaged by him for the work and shall have to maintain necessary records. In case any amount becomes due to be payable by him to his employees or to the Government under the above rules, regulation, Acts.

6.12 ACCIDENT TO WORKMEN

Contractor shall be fully responsible for injury or death of any of your or third-party workmen due to any act omission / indiscretion on your part while undertaking the



work and contractor shall fully abide by the statutory requirements of the employee's compensation act. GIPCL shall not be liable for any compensation due to accident, death or injury to any of contractor's workmen or any third party due to negligence, act or omission on your part.

ADDITIONAL COMPENSATION AND STATUTORY PENALTY

1. Additional Compensation over and above Workmen's Compensation Policy

In the event of a fatal accident to any workman/employee of the Contractor (or sub-contractor) arising out of and in the course of employment at SLPP site, the Contractor shall, in addition to and over and above the compensation payable under the Workmen's Compensation Policy/Employees' Compensation Act, 1923 (or any statute for the time being in force), pay an additional ex-gratia compensation to the dependents/legal heirs of the deceased workman, as directed by the Joint Director of Industrial Safety and Health (DISH), Gujarat, or such other competent statutory authority.

The said additional compensation shall not be less than **Rs. 5,00,000/- (Rupees Five Lakh only) per fatal accident**, as applicable and prevailing at present. This amount shall stand automatically revised, without requiring any amendment to the Contract, in line with any revision prescribed by the Joint Director of Industrial Safety and Health (DISH), Gujarat, or the Government of Gujarat/Government of India from time to time.

This additional compensation is over and above, and independent of, any liquidated damages/penalty payable by the Contractor under the applicable clauses of this Contract for violation of safety norms, and shall not be adjusted or set off against any such liquidated damages, penalty, or statutory compensation.

2. Additional Penalty under Gujarat Occupational Safety, Health and Working Conditions Rules, 2025

In case any additional penalty, fine, or levy is imposed on GIPCL and/or the Contractor by the Government of Gujarat and/or Government of India, under the Gujarat Occupational Safety, Health and Working Conditions Rules, 2025 (or any amendment, re-enactment, or successor legislation thereto) on account of any accident, incident, non-compliance, or violation attributable to the Contractor, its sub-contractors, or their employees, such penalty/fine/levy shall be paid/deposited by the Contractor in full, directly to the concerned authority or to GIPCL, as directed.

This amount shall be treated as entirely separate from, and in addition to, the Contractor's statutory obligations, the compensation specified in Clause 1 above, and any other liquidated damages or penalties under this Contract. GIPCL shall, at its discretion, be entitled to recover any such amount from the Contractor's



running bills, security deposit, or retention money, without prejudice to GIPCL's other rights and remedies under the Contract.

6.13 LIGHTING

However, work area specific lighting should be arranged by contractor.

6.14 NIGHT/SUNDAY/HOLIDAY SHIFT

The contractor shall depute qualified and adequate resources in night shift/Sunday/holidays for the work requirement / any emergency job, which may come up at night/Sunday/holiday.

6.15 . SAFETY ASPECT

Contractor shall observe all the safety and security rules and regulation of the GIPCL which are at present in force and which may come into force during the pendency of the contract. Any violation of any rules and regulations will entail immediate termination of the contract.

When contractor moves his lifting tools and tackles to the plant area, required test certificates as per the Factory Act 1948 and the state factories rules has to be submitted to safety Dept. Safety Dept. will check the certificates and if found okay, then only materials will be allowed to enter inside the plant. Material inward gate pass will be made only after certification from Safety Dept. Security Dept. will inform to Safety Dept., as & when such tools and tackles brought at the gate for making entry in the maintenance site.

The contractor has to submit the list of required safety gears along with safety equipment's available with him to safety Dept. Safety Dept. will check for quantity and quality of the safety gears and then allowed permission of work. Poor quality material will not be allowed to take inside the Plant. If quantity of required safety equipment's is not satisfactory, contractor will not be allowed to carry out the work using such safety gears inside the Plant for the work.

6.16 Dedicated Safety Supervisor for Parallel Critical Jobs

In addition to the qualified Safety Officer(s) mandated above, wherever the contractor is executing more than one critical job simultaneously (in parallel), a separate dedicated Safety Supervisor shall be deployed for each such critical job, over and above the qualified Safety Officer.



This dedicated Safety Supervisor shall remain present at the respective worksite throughout the execution of that critical job, from commencement till completion, and shall be solely responsible for continuous on-site supervision of safety compliance, permit-to-work conditions, and safe work practices for that job.

Minimum qualification: One (1) year Diploma/Post-Diploma in Fire and Safety from a recognized institute.

Where multiple critical jobs run in parallel, a corresponding number of dedicated Safety Supervisors must be deployed, one for each critical job, and this requirement is independent of and additional to the Safety Officer ratio specified in Para 2 above.

This Safety Supervisor shall remain present at the worksite throughout the job execution and shall be responsible for on-site safety supervision, permit compliance, and enforcement of safe work practices.

6.17 GENERAL SAFETY CLAUSES:

1. The Contractor shall observe and comply, with regard to his workmen working at the SLPP site, the safety norms as per the safety operating standards.
2. The Contractor shall ensure that his workmen are informed and trained regarding the safety standards to be adopted while operating within the SLPP Plant & Contractor shall brief them regarding the same and use of the Personal Protective Equipment ('PPE').
3. The Contractor shall issue safety shoes and safety helmet of IS standard to all his workmen immediately on execution of the work and the contractor shall ensure that his workmen wear the protective equipment's at all times during the work operation. Following brand of the safety shoes and helmet shall be issued to contract workmen. Contractor shall issue safety shoes every year.

Helmet :

Sr No.	Model	Company	Specifications
01.	Tough Hat, HP-TH	Sure Safety	IS : 2925 – 1984, ANSI / ISEA Z89.1-2009
02.	V-Gard	MSA	
03.	PN 521 – S helmet	Karam	

Safety shoes :

Sr No.	Model	Company	Specifications
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Gujarat Industries Power Company Limited (GIPCL)

NIT No.: GIPCL/SLPP/R&M/LHS/FB-RE / LOCATION/ EPC/2026

V2-S6: GTS & ECC (Package-A, B, C, D)



01.	Acme Fabrik plast Co.	SSTEELE (Strom) – Double Density	IS : 15298 – 2011
02.	Acme Fabrik plast Co.	TRIMAX(Adjacent) – Double Density	
03.	Favourite Safety Products.	Waves Nile D/D FSP Nile DD	

4. Other safety gears like ear plug, dust mask, hand gloves, safety goggles, gum boots, full body safety uniform and belts, safety net etc. shall be issued and used as per the job requirements. Safety helmet shall be of YELLOW COLOUR ONLY. Contractor will procure safety shoes & safety helmet from a reputed company with at least 12 months' guarantee and shall produce the guarantee certificate and IS standard certificate to the safety department. Contractor should purchase safety shoes of reputed brands. Safety shoes will be issued every year. IS certificate and guarantee certificate must be obtained from the vendor and submitted to the Safety department. Safety shoes should be heat, water, oil and chemical resistant, having an anti-slippery sole of 15298- 2002 make.
5. It is the duty of contractor to ensure that his workmen are wearing required PPEs as per work requirement. Contractor should ensure that their workers are wearing Safety helmet, safety shoes, dust mask, goggles, ear plug etc. at all times when they are at work throughout the contract period. The contractor has to maintain the PPE issue registers with signature of workmen.
6. Contractor will reissue these PPEs in case of damage or misplacement of the same. Replacement shall be made immediately.
7. The contractor shall be responsible for providing first aid or emergency medical help and treatment to his workmen in the event of any accident or injury.
8. If it is observed that contractor is not issuing required PPEs timely and that of required quality, GIPCL will issue the required PPEs to contract workers and back charge the same with 25% overhead charges of GIPCL.
9. All lifting tools and tackles shall be duly certified by competent person recognized by Government of Gujarat in conformity with the statutory requirements and certificate in form no. 10 as per rule 60 of Gujarat Factories Rules, 1963 and section 29 of the Factories Act, 1948 shall be submitted every year before using such tools and tackles. In case of purchase of new lifting tools and tackles, form no. 10 as per the said rules shall be submitted before they are taken into use. All lifting tools and tackles shall be of reputed make having International manufacturing standard and shall be maintained in proper and workable condition.



10. The Contractor shall nominate minimum **one Safety Officer** with required qualification for supervising the daily job/ shutdown jobs for observing and maintaining the safety aspects at site. He is solely responsible for any safety measures during maintenance work. He has to ensure that all the workmen working at site are equipped with essential PPE's and proper safety arrangement is made at the SLPP site.
11. One (1) qualified Safety Officer for every fifty (50) contract workmen engaged at site. Beyond the first 50 workmen, one (1) additional qualified Safety Officer for every subsequent one hundred (100) contract workmen.
12. After mobilization of any tools & tackles to site, which includes chain pulley blocks, D-shackles, wire ropes, winch machines, Mobile crane, Hydra , man-lifter etc. shall be offered for inspection with all above statutory test certificate before using at site for any work. They should use all tools and tackles only after certification by GIPCL representative/safety officer.
13. When working at height, working on ceiling or roof covered with fragile materials, full body harness safety belt, ladders and crawling boards, fall arrester, etc. shall be used to prevent accident. Further, during working on height, contractor should arrange proper scaffolding of still pipes, safety net, full body safety belt, fall arrestor system etc. Advice and instructions of engineer in charge/ safety in charge shall be strictly complied with in this regard. All necessary safety precautions shall be taken by the contractor to prevent accident and personnel injuries while working on height.
14. Flash back arrestors made of reputed manufacturer shall be provided on cutting torch, on DA cylinders and on O2 cylinder. Cylinder caps also required for handling the cylinders at the work at height area. Gas cylinders shall be transferred through gas cylinder trolley only with cylinder cap and stored up right (vertical) position only. All gas cylinders shall be hydro tested / certified as per gas cylinder rules 2004. Gas cylinders shall be stored, handled as per gas cylinder rules 2004.
15. All vehicles shall be operated by licensed drivers only. All vehicles' PUC to be tested as per Government approved RTO guidelines. **All vehicle guidelines shall be as per GIPCL security norms only.**
16. All electrical equipment shall be in good condition and free from any defect. Electrical tools & equipment's i.e. welding machine, grinding and drill machine etc. may be checked by the electrical engineer of the contractors regularly, monthly at least and report to be submitted to concerned HOD and safety depts.
17. During hot work, contractor will use fire curtains like fire blankets to prevent falling and spreading of sparks and hot material on and around the work area. Contractor will procure and use such items. ELCB shall be provided with rating of 9-30 milli amperes on welding machine and all portable power tools.



18. The contractor shall fill – up Incident notification form (S-I), Incident Investigation form (S-II) and near miss report within time limit as specified in forms, if any accident, Incident, near miss occurred while working at SLPP site.
19. Contractor should appoint / nominate **one qualified / competent safety officer (Qualification : Post Diploma in Industrial Safety as per Gujarat Safety Officer Rules 1983)** and he shall be responsible for addressing all the safety related aspects of execution of contract jobs and he will in close co-ordination with safety officer of SLPP and attend all safety related meeting such as safety committee, on job safety training etc.
20. No loose connection / joints allowed in electrical cables during performance of any kind of job.
20. Safety shoes to be issued to female employees also.
21. All the vehicles shall be fit as per RTO guidelines and valid fitness certificate is required as per RTO guidelines.
22. The Contractor's nominated safety officer shall be imparted regular on-job safety training like tool-box talk etc. and submit a record of such training in safety dept, respective dept and HR&A dept.
23. The Contractor shall comply all the new requirements related with safety as informed by the HOD / Safety department from time to time.
24. Penalty to be imposed for Violation of safety norms is proposed as follows:
The Contractor & Contract workmen shall strictly adhere to Safety standards / Guidelines as per practices. The list provided below is an indicative list to explain the principles behind safety practice. If the contract workmen fail to comply with safety standards as per category A, B & C below, penalty shall be levied on the contractor as per the table mentioned below:

Category	Classification	Examples / Cases	Penalty
A	PPEs Related	Working without helmet, shoes, safety belt, gloves etc.	Rs.100 /- per instant.
B	WI Related	Failure to adhere to HSE guidelines/plans, careless attitude in material handling, Machine being used with damaged machine guard, unsafe electrical	Rs.500 /- per instant.



		work - workout plug top/improper electrical joints/cables lying on ground, electrical equipment working without proper earthing, machine being used without machine guard, Welding machine without ELCB / RCCB of proper rating, Gas cylinder without test certificate, Cylinder cap, NRV / Flash back arrester, Cylinder trolley etc.	• After three incidence, Per incidence Rs.2500/- • Continuous unsafe acts will disqualify the contractor from further participation in tender of GIPCL-SLPP.
		Unsafe working practices at height more than 3 meters	
		Working without permit or non-compliance with permit conditions like hot work, height work etc. as applicable, lifting tools and tackles being used without third party inspection certificates in form no. 9/10 as per Factory Act – 1948 etc..	
C	Unsafe Practices	Breach of safe practices by a particular person repeatedly for three times.	Suspend the entry gate pass for one week. After two suspensions his gate pass will be cancelled.



6.18 General Electrical Safety Rules and Regulations

1. Electrical safety

- a) All the electrical apparatus including welding machine (either 3-phase or single phase) should be provided with Earth Leakage Circuit Breaker (ELCB/RCCB/RCBO) of 30mA rating.
- b) Bidder should ensure periodic checking of ELCB provided in their electrical apparatus.
- c) Bidder should ensure that there should not be any joint in the power supply cable of any machine. All cables should be in good condition with no bare insulation or frayed wires
- d) Any power supply switchboard/extension boards brought by Bidder should have ELCB of 30mA rating and it should have sockets along with 3-pin plug
- e) Any type of cable brought by Bidder should not have any joint and should be of sufficient capacity for the respective job.
- f) Bidder to bring their own 24V rating portable hand lamps along with cable of (apparatus should be having 230V / 24V transformer) for the temporary lighting arrangement required at site for the respective jobs.
- g) Bidder should bring sufficient qty no. of temporary light fixtures (230V or 24 V as per requirement of job/contract) , extension boards, cables to draw supply from nearest power point.
- h) Hand-held and portable machines shall be equipped with a built-in switch to switch off power in case of emergency
- i) Bidder to ensure healthiness of their electrical equipment whenever brought to GIPCL site and get them tested / verified by GIPCL Electrical Department representatives before start using.
- j) Bidder to ensure - All portable electric apparatus shall be regularly examined, tested and maintained to ensure that the apparatus and leads are in good order.
- k) Only three-core cable shall be used for single phase operated tools with the third core connected to earth.
- l) Ensure that all metallic portable appliances are provided with 3 pin plug and socket connections with third pin be connected to the ground terminal where ever possible. Also, the metal work of the apparatus is effectively earthed.
- m) All cables and connections should be sound and of adequate capacity and properly insulated while using any welding machine and other power connections.
- n) The earthing arrangements should be properly made with earthing clamps or a bolted terminal while using any welding machine



- o) Electric holders when not in use, should be placed on an insulated hook or the holders should be fully insulated while using any welding machine
- p) Whenever the welder stops or leaves work for any appreciable time, the power supply to welding machine shall be effectively disconnected while using any welding machine

Contractors not following above electrical safety points at any point of time are liable to penalty and their machine/ apparatus shall be seized by GIPCL.

Penalty so levied against the contractors and company employees will be used during the observation of National Safety Day.

The contractor, workmen following good safety practices in their work area continuously will be rewarded / honored on National safety day.

6.19 REJECTION OF WORK:

If, as a result of inspection, examination or testing, the GIPCL's Representative/Engineer decides that any materials, work or workmanship is defective or otherwise not in accordance with the Contract, the GIPCL/Engineer/ GIPCL's Representative may reject such plant, materials, work or workmanship and shall notify the CONTRACTOR promptly, stating his reasons. The CONTRACTOR shall then promptly make good the defect and ensure that the rejected item complies with the Contract. If Contractor failed to rectify the rejected work or workmanship, GIPCL/Engineer reserves the right to deduct or withhold amount against rejected work or Workmanship. CONTRACTOR shall not entitle for any claim or release of hold payment until rectify the defect up to satisfactory of GIPCL. If Contractor failed to rectify any such defective work or workmanship, GIPCL reserve the right to rectify at risk and cost of the CONTRACTOR and deducted by the GIPCL from any amount due, or to become due, to the CONTRACTOR's dues.

If the GIPCL/Engineer/GIPCL's Representative requires such materials, work or workmanship to be retested, the tests shall be repeated under the same terms and conditions. If such rejection and retesting cause the GIPCL additional costs for the traveling and lodging costs of GIPCL/Engineer's personal for attending the retest, such costs shall be recoverable from the CONTRACTOR by the GIPCL and may be deducted by the GIPCL from any amount due, or to become due, to the CONTRACTOR.

6.20 GENERAL TERMS AND CONDITIONS:

- a. All tools & tackles, labours, equipment's, materials, scaffolding, safety PPEs & safety equipment's, consumables etc, to execute the contract are in the



- scope of the contractor. The contractor should ensure that tools & equipment's are in healthy condition.
- b. The decision of the Engineer-in-charge shall be final and binding on the contractor for defining the terms and condition included in this contract.
 - c. If the work is not found satisfactory, Engineer-in-charge reserves the right to take suitable action.
 - d. Contractor shall depute full time independent experienced site-in-charge and independent site supervisors at site. They shall co-ordinate with GIPCL engineer and shall bear overall responsibility of contract including joint measurement, billing etc. Such person shall function from site office of contractor at SLPP.
 - e. Contractor shall also nominate one independent safety supervisor at site and shall submit nomination of safety supervisor in writing before commencement of contract. Safety supervisor shall arrange small safety talk on every day morning or whenever required with all workers working under this contract. He shall coordinate with concern department's Engineer-in-charge on daily basis and report daily observations, tool-box talk records etc. **GIPCL reserves the right to hold the work in case contractor not deployed safety supervisor and a penalty equal to Rs.1,000/- per working day absent of safety supervisor shall be levied from Contractor.**
 - f. Contractor shall strictly follow the existing work permit system of the GIPCL and any future revisions.
 - g. The contractor has to take EC insurance policy for their workmen. The contractor has to submit labour license and PF account number to the Engineer-in-charge before start the work.
 - h. The contractor has to do the job timely. Progressive work targets shall be achieved for each package as decided during first kick-off meeting. GIPCL shall not compromise in delay. In case of delay of work without any valid reason, the GIPCL reserves the rights to carry out the work by deploying other agencies at the risk & cost of contractor with additional 15% overhead charges **or decided by GIPCL.**
 - i. Contractor shall mobilize the resources as per need within the period of four hours. If the contractor fails to mobilize sufficient resources to complete the job in time, GIPCL will execute the job through other agency at the risk and cost of the contractor with additional 15% overhead charges **or decided by GIPCL.**
 - j. The prices / item rates quoted shall remain firm till completion of the contract and any agreed extensions thereafter and is valid even if the contract is split and shall not be subject to any escalation, idle charges for labour, machinery, overhead expenses etc, due to any reason whatsoever. No price



escalation / idle charges shall be entertained due to delay in work on unavailability of work front, non-issue of work permit, holding of work permit for any reason, unavailability of contractor's supervisor, unavailability of contractor's safety supervisor, violation of safety rules, unsafe act by any of contractor's worker, negligence & ignorance of safety & quality instructions of GIPCL Engineer-in-charge or any other reason whatsoever.

- k. Contractor must fulfil all the safety regulations and to take safety measures to avoid hazards. Contractor shall arrange all standard adequate healthy safety PPEs like but not limited to approved quality safety shoes & safety helmets, standard dust masks, safety goggles, safety life line & fall arrestors etc... as required and shall use exclusively under this contract for all the time during working at specified locations failing which, the Engineer-in-charge may hold the work and will take necessary action including penalty as decided. If the contractor repeatedly violates safety rules/regulations (more than three successive incidents), Engineer-in-charge may take necessary action against the contractor, including appropriate financial penalty (Maximum of Rs.1,000/- per incident per man-day and as per above clause and/or termination of contract.
- l. One or more jobs may be required to be done simultaneously and contractor shall mobilize additional resources accordingly.
- m. Timely completion of all jobs and works shall be the essence of this Contract. Contractor should closely monitor each activities and complete the jobs as per the time given by and under the supervision of the Engineer-In-charge and shall ensure that sufficient manpower is deployed for the same.
- n. The contractor has to complete the works as per the planning schedule and their respective supervisor has to interact with Engineer-In-Charge for PTW (Permit to work), work instruction, Return of permit.
- o. The contractor has to submit daily reports showing work carried out with details of available manpower, material etc.

6.21 PERMIT TO WORK (PTW) AND SITE SAFETY

1. Permit to Work System (Only required during interfacing work with existing system like structural, mechanical, electrical and C&I)

All work within SLPP premises shall be carried out strictly under the Permit to Work (PTW) system of GIPCL. The Contractor's supervisor shall obtain the appropriate PTW (General Work Permit, Hot Work Permit, Height Work Permit, Electrical Work Permit, Confined Space Entry Permit, etc.) from the designated GIPCL authority before commencing any work. No work shall be carried out without a valid PTW.



- a) Hot Work Permit: Mandatory for all welding, gas-cutting, grinding (sparks), brazing, or any heat-generating activity. A trained fire man shall be stationed at the work area throughout the hot work and for a minimum of one hour after completion. Fire extinguishers shall be immediately accessible.
- b) Electrical Isolation Permit / LOTO Permit: Mandatory before commencing any electrical installation, modification, or dismantling. Lockout/Tagout (LOTO) procedure shall be strictly followed; No electrical work shall be done on energised circuits without explicit written approval.
- c) Confined Space Entry Permit: Required before entry into any hopper, pit, tunnel, enclosed structure, or any space with restricted entry/exit and potential for oxygen deficiency or hazardous atmosphere. Atmospheric testing, continuous monitoring, and standby attendant are mandatory.
- d) Work at Height Permit : Required for all work at a height exceeding 1.8 m above grade or a lower level. Full-body harness anchored to a certified anchor point is mandatory. MEWP (Mobile Elevated Work Platform) or properly inspected/tagged scaffolding shall be used.

Followings are applicable every time through-out the contract:

- e) Crane / Lifting Operations Permit: Required for all crane operations and lifts exceeding 1 tonne. A Lift Plan shall be submitted and approved by Competent person of Government of Gujarat before each major lift. Exclusion zones shall be barricaded during all crane operations.
- f) Area barricading with appropriate safety and caution boards (in English and Gujarati/Hindi) shall be erected around all active work zones. A dedicated Safety Supervisor shall be stationed at the perimeter of hazardous work areas to prevent unauthorised entry and to monitor compliance.

2. Safety Management Plan (SMP)

The Contractor shall submit a comprehensive Safety Management Plan (SMP) to GIPCL/PMC within 30 days of before commencement of the work. The SMP shall cover:

- a) Safety organisation chart and responsibilities.
- b) Hazard identification and risk assessment (HIRA) for all major activities.
- c) Emergency response plan (fire, medical, structural collapse, gas leak, etc.).
- d) Personal Protective Equipment (PPE) matrix for each type of work.
- e) Scaffolding, working-at-height, and fall protection procedures.
- f) Lifting and rigging safety plan.
- g) Hot work (welding, cutting) safety procedures.
- h) Electrical safety procedures (LOTO – Lockout/Tagout).
- i) Confined space entry procedure.
- j) Incident/Accident reporting and investigation procedure.



3. Safety Norms

- a) All personnel working at site shall wear mandatory PPE: safety helmet, safety shoes, hi-visibility vest, and safety goggles. Additional PPE shall be worn as per the nature of work.
- b) Work at height (>1.8 m) shall be carried out only with full-body harness anchored to a certified anchor point. All workmen of the contractor shall obtain fitness certificates (Vertigo Test) from our company medical officer to work at height.
- c) All scaffolding shall be erected by trained scaffolders and inspected/tagged (Green/Red) before use.
- d) No person shall work under a suspended load. Exclusion zones shall be marked during all crane lifts.
- e) All power tools shall be in good condition with guards in place. Damaged tools shall be immediately removed from service.
- f) No hot work (welding/cutting) shall be carried out near stored materials, fuel, or combustible substances without hot work permit and fire watch.
- g) GIPCL's Safety Department shall have the authority to stop any unsafe work without notice.
- h) A mandatory site safety induction (minimum 2 hours) shall be imparted to every worker and staff member before their first day of work at site. Induction shall cover site-specific hazards, emergency evacuation procedures, PTW system, PPE requirements, and reporting of unsafe conditions. Induction records (with photograph) shall be maintained and made available to GIPCL/PMC.
- i) A Tool Box Talk (TBT) of minimum 10 minutes duration shall be conducted every day at site before commencement of work. TBT shall cover the day's planned activities, specific hazards, and required precautions. TBT attendance records signed by all participants shall be maintained and submitted as part of the Daily Site Report.
- j) All site vehicles and mobile equipment shall have valid fitness certificates, and operators shall hold valid driving/operator licences. A site speed limit shall be enforced within SLPP premises. No persons shall ride in the load-carrying portion of any vehicle.
- k) During any dismantling, demolition, or heavy erection work, a competent safety supervisor designated by the Contractor and acceptable to GIPCL shall be present on site at all times. GIPCL reserves the right to deploy its own safety personnel or a third-party retainer to monitor and verify compliance; the Contractor shall cooperate fully.
- l) The Contractor shall also be responsible for payment of sum as indicated below,



a.	Upon Fatal Accident	0.1% of the Contract price as awarded, limited to Rs. 5,00,000/-
b.	Re-occurrence of Fatal Accident	0.2% of the Contract price as awarded, limited to Rs. 10,00,000/- per fatal accident

4. Change in Applicable Law :

The Factories Act, 1948 stands repealed and is no longer the governing statute for occupational safety, health and working conditions. In its place, The Occupational Safety, Health and Working Conditions (OSHWC) Code, 2020 has come into force with effect from 21st November 2025, and the Central Rules thereunder (OSHWC Central Rules, 2026) have been notified on 8th May 2026. Additionally, for establishments located in Gujarat, The Gujarat Occupational Safety, Health and Working Conditions Rules, 2025.

5. Accident Reporting

All accidents (fatal, major, minor), near misses, and dangerous occurrences shall be immediately reported to EIC and GIPCL's Safety Department. A written accident/incident report shall be submitted. Root cause analysis and corrective/preventive actions shall be submitted. GIPCL/PMC shall have the right to conduct joint accident investigations. Bidder/Contractor shall responsible for all statutory, labour and legal compliance and indemnity owner for any consequences.

6. Offences and Penalties (Chapter XII, OSHWC Code, 2020) – Borne by Contractor

You are requested to bring to the notice of all concerned contractors that non-compliance with the above statutory safety requirements attracts penal action under Chapter XII (Offences and Penalties) of the OSHWC Code, 2020, including but not limited to: (Copy attached.)

All such fines/penalties arising out of the contractor's non-compliance shall be recoverable from and borne solely by the concerned contractor, and shall not be a liability of GIPCL.

7. Safety Statistics and Meetings

The Contractor shall maintain up-to-date safety and submit them as part of Monthly Progress Reports. Weekly safety toolbox meetings and monthly safety committee meetings (with GIPCL/PMC) shall be held and minutes recorded.

8. Fabrication Safety Requirements

The Contractor shall ensure that all fabrication activities — whether carried out at shop or at site — comply with the following safety requirements in addition to quality requirements specified under:



- a) Grinding, cutting, and fabrication activities shall be conducted in designated areas, separated from material storage, cable areas, and electrical equipment to prevent fire hazards from sparks.
- b) All overhead cranes, hoists, and lifting appliances used in the fabrication shop/at site shall be third-party certified as per Factories Act / IS:3938, with valid test certificates available at site and shall be as per GIPCL norms. Slings, shackles, chains, and lifting accessories shall be colour-coded per annual cycle and inspected before each use.
- c) Workers engaged in cutting, grinding, and welding operations shall wear appropriate PPE: face shields (welding helmets with appropriate shade lenses), leather aprons, arm guards, and suitable footwear. Ear protection shall be used in high-noise zones (>85 dBA).
- d) All temporary electrical connections used for fabrication tools and welding sets shall be through ELCB-protected distribution boards. No bare or damaged insulation on welding cables shall be permitted.
- e) Fabricated items stored at site shall be stacked on suitable sleepers/dunnage; stacks shall not exceed safe working heights.

9. Dismantling and Demolition Safety (Package D)

Dismantling works carry significant safety risks including working at height, hot work, heavy lifts, electrical isolation, proximity to operating plant and fleet movement. The following minimum requirements shall be strictly adhered to for all dismantling activities under Package D:

- a) Detailed Dismantling Methodology Plan (DMP): The Contractor shall prepare and submit a comprehensive DMP to GIPCL/PMC for approval at least 60 days before commencement of any dismantling work. The DMP shall cover: sequence of dismantling, equipment/machinery to be deployed, crane capacities, rigging plans, cutting and demolition methods, personnel requirements, safety plan, and traffic management. No dismantling shall commence without written approval of the DMP by GIPCL/PMC.
- b) All dismantling activities on or near operating plant equipment shall be carried out strictly under a valid Permit to Work (PTW) as applicable (as per safety compliance). No burning or gas-cutting shall be carried out without a valid Hot Work Permit.
- c) Lockout/Tagout (LOTO): All electrical equipment (MCC, switchgear, VFD containers, field instruments, cables) earmarked for dismantling shall be electrically isolated and LOTO-tagged before any dismantling work commences. LOTO compliance is mandatory for every authorised worker.
- d) Gallery and Elevated Structure Dismantling: Full-body harness anchored to a certified anchor point or lifeline shall be worn by all workers working at height. MEWP or scaffold shall be used for access; no makeshift arrangements. Dismantling of each bay of the conveyor gallery shall follow



the approved sequence: cladding → belt/idlers → purlins → rafters → columns/trestles before moving to the next bay. Dismantled steel sections shall be carefully lowered using crane, chain pulley blocks, or rope tackles; free-fall of any component is strictly prohibited.

- e) Protection of Live Infrastructure: All live plant equipment, utilities (pipelines, cables, water lines), operational roads, and structures below or adjacent to the dismantling area shall be adequately protected from falling materials and debris. Drip trays shall be placed below all equipment containing oil or hydraulic fluid before dismantling.
- f) Stacker-cum-Reclaimer Dismantling: A comprehensive dismantling plan (including jacking points, lifting arrangements, slewing ring support, and boom support) shall be prepared as per OEM manual and approved by a competent expert/OEM specialist. GIPCL reserves the right to require the Contractor to engage an OEM specialist with direct experience in dismantling the specific stacker-cum-reclaimer model. Sufficient capacity cranes and all necessary supporting structures shall be arranged by the Contractor.
- g) Feeder Breaker Dismantling Sequence: The chain ,flights shall be removed first; then the hopper; and body structures, drive frames and finally the foundation anchor bolts and grout breakout — following the approved DMP and OEM guidance.
- h) All lubricating oil, hydraulic oil, and other fluids shall be drained and collected in suitable containers before equipment is cut or dismantled. Disposed of in an environmentally compliant manner; no spillage to ground or water bodies.
- i) Dismantled steel shall be cut to transportable sizes (maximum 6 m length unless instructed otherwise by GIPCL/PMC) and stored in designated scrap yards. Scrap metal transportation shall be in covered trucks; no loose material shall be carried on public roads. Trucks shall carry appropriate signage at rear.
- j) Full proof safe dismantling process shall ensure no hampering of the existing lignite fleet movement and other routine plant operations. The Contractor shall maintain continuous liaison with GIPCL's O&M team to coordinate safe dismantling activities around active plant operations.

10. Crane, Lifting, and Rigging Safety

All crane and lifting operations at site shall comply with the following requirements in addition to general PTW provisions:

- a) All cranes, hoists, and lifting appliances deployed at site shall hold valid third-party test certificates from approved (Competent person – DISH approved) testing agency. The rated lifting capacity shall be clearly



- displayed on the crane/equipment. No overloading beyond rated capacity shall be permitted under any circumstance.
- b) All crane operators shall hold a valid Crane Operator licence issued by the competent authority. Riggers and slingers shall be trained and authorised; their certificates shall be available at site.
 - c) A formal Lift Plan shall be submitted to GIPCL/PMC for review and approval before every lift exceeding 1 tonne (or any lift assessed as critical — e.g., lifts near live equipment, tandem lifts, lifts in confined areas). The Lift Plan shall include: load weight (verified), crane capacity and radius at the proposed configuration, sling/rigging arrangement, lift sequence, exclusion zone, and contingency plan. **Crane shall be fully automatic with SLI system. Before execution of the lift, A lift plan shall be approved by DISH approved competent person.**
 - d) A test lift shall be performed before each major lift exceeding 5 tonnes to confirm crane stability and rigging integrity, unless the crane manufacturer's procedures or load charts specifically exempt this step.
 - e) All rigging hardware (slings, shackles, hooks, swivels, eyebolts, chains) shall be colour-coded per the current annual cycle, inspected before each use, and rejected immediately if found damaged, worn, or deformed. Safe Working Load (SWL) shall be permanently marked on each piece of rigging hardware.
 - f) During all crane lifts, a clearly demarcated exclusion zone shall be established around the lift area. No person shall be permitted within the exclusion zone during the lift, except authorised signal persons. Spotters/banks-man shall be stationed at all critical points.
 - g) In case of adverse weather (wind speed > 25 km/h, lightning, heavy rain, or poor visibility), all crane and lifting operations shall be suspended until conditions improve to safe levels.

11. Environmental Safety and Pollution Control

The Contractor shall conduct all site activities in an environmentally responsible manner, complying with applicable statutory environmental regulations, GIPCL's Environmental Management norms, and the following minimum requirements:

- a) All lubricating oil, hydraulic oil, and chemical fluids used or stored at site shall be kept in properly labelled, sealed containers within bunded/secondary containment areas to prevent spillage to ground or water bodies. Drip trays shall be placed below all in-use machinery and equipment with oil or hydraulic fluid reservoirs.
- b) No burning of cables, rubber components, plastic materials, or any other waste shall be permitted anywhere within premises. Electrical cable

insulation and rubber components shall be cut and disposed of through GIPCL-approved waste disposal channels.

- c) Dust suppression (water spraying) measures shall be employed during excavation, concrete mixing, and any activities generating fugitive dust, to prevent spread of dust beyond the work area and to protect worker respiratory health.
- d) Hazardous waste (used oils, paint containers, chemical drums, solvent waste) shall be segregated, stored in designated hazardous waste storage area, and disposed of through GIPCL-empanelled authorised hazardous waste handlers in compliance with Hazardous Waste Management Rules.
- e) The Contractor shall ensure that noise generated by construction equipment does not exceed permissible limits as per applicable rules.
- f) Site cleanliness shall be maintained at all times. Scrap, empty containers, packing materials, and construction debris shall be cleared daily from all work areas and stored in designated waste collection areas. Pathways, fire escape routes, emergency vehicle routes, and plant access roads shall remain unobstructed at all times.

6.22 PRE-COMMISSIONING AND COLD COMMISSIONING

1. Pre-Commissioning Checks

Before Cold Commissioning, the Contractor shall carry out the following pre-commissioning checks on each equipment/system, with results documented in pre-commissioning checklists approved by EIC:

Mechanical Pre-commissioning Checks:

- a) Verification of equipment erection as per GA drawings (alignment, levelness, grouting quality).
- b) Check of all foundation bolts for correct tightening torque.
- c) Verification of all guards, covers, and safety devices are in place.
- d) Manual rotation check of all rotating equipment (Feeder Breakers, conveyor pulleys, motors, gearboxes) for free rotation without binding or abnormal noise.
- e) Check of lubrication (oil/grease) levels in all gearboxes, bearings, and lubrication points as per OEM recommendation.
- f) Verification of belt installation, splicing quality, tensioning, and tracking (conveyor).
- g) Check of all chute work, wear liners, and dust seals for correct installation.

Electrical Pre-commissioning Checks:

- a) Insulation resistance (IR) test of all LT motors.
- b) IR test of all power and control cables.



- c) Continuity check of all control and power cable connections as per SLD and cable schedule.
- d) Phase sequence check of all power supplies to panels and motors.
- e) Check of motor terminal box connections (delta/star) and direction of rotation of each motor.
- f) Functional check of all protection relays (overload, single-phasing, earth fault).
- g) Check of all earthing connections for continuity and earth resistance.

C&I Pre-commissioning Checks:

- a) Functional testing of all field instruments (speed switches, sway switches, pull-cord switches, zero-speed switches).
- b) Loop checking of all signal cables from field instruments to control panels.
- c) Verification of all interlock inputs and outputs as per approved Interlock List.
- d) Functional testing of SCADA/PLC/HMI screens – mimic, alarms, and trends.
- e) Simulation testing of all safety interlocks (emergency stop, fire alarm interface, etc.).

2. Cold Commissioning

Cold Commissioning shall be carried out after successful completion of all pre-commissioning checks and shall include:

- a) No-load dry run of the Feeder Breaker (Package A) for minimum 4 hours; monitoring of vibrations, noise, temperature (bearing, motor), and VFD parameters. Separately, no-load dry run of the Surface Feeder (Package C) for minimum 4 hours; monitoring of all parameters as per OEM recommendation.
- b) No-load trial run of the slow-speed conveyor (Package A) for minimum 4 hours; checking for belt tracking, training, and any abnormal behaviour.
- c) Functional verification of all conveyor safety devices under simulated conditions (belt sway, pull-cord, zero-speed, over-speed).
- d) Interlock sequence testing of all equipment in the new Feeder Breaker System (start-up sequence, shutdown sequence, emergency stop).
- e) Communication and signal verification between new system and existing Phase-I plant control system.
- f) Verification of VFD operation at various speed set-points for Feeder Breakers.
- g) Testing of complete start-up and shutdown sequence logic for the Feeder Breaker and conveyor system (Package A), and contingency surface feeder arrangement (Package C).
- h) Confirmation of correct annunciations, alarms, and trip functions in control room.



Cold Commissioning Completion Report shall be prepared by the Contractor, reviewed by OEM engineers, and submitted to EIC for issuance of Cold Commissioning Completion Certificate.

6.23 HOT COMMISSIONING AND TRIAL OPERATION

1. Hot Commissioning Prerequisites

Hot Commissioning (with actual lignite flow) shall commence only after:

- a) Clearance of Cold Commissioning Completion by EIC.
- b) Clearance/confirmation from GIPCL/EIC for commencement of Hot Commissioning.
- c) Confirmation that all interfacing with existing Phase-I systems is complete and tested.
- d) Confirmation that all safety systems are functional and tested.
- e) Adequate lignite/material available for commissioning runs.

2. Hot Commissioning Activities

- a) Initial run with partial load (minimum 25% capacity) – monitoring all parameters including throughput rate, belt tracking, feeder breaker performance, vibration, temperature, and power consumption etc.
- b) Gradual increase of load to 50%, 75%, and 100% capacity – at each stage, verify and record all equipment parameters.
- c) Continuous monitoring and adjustment of belt tracking, tension, and chute wear.
- d) Performance of each individual Feeder Breaker at rated 1200 TPH capacity.
- e) Verification of seamless integration with existing Phase-I conveyor system under loaded conditions.
- f) Verification of VFD response and speed control accuracy under loaded conditions.
- g) All operational alarms and trips shall be validated under actual operating conditions.

3. Trial Operation

Upon satisfactory completion of Hot Commissioning, the Contractor shall conduct a continuous Trial Operation for a period of minimum Twenty four (24) hours (or as specified by GIPCL/PMC) under full operational conditions. During Trial Operation:

- a) All equipment shall operate continuously at rated capacity without any planned or unplanned shutdown.



- b) All parameters (throughput, speed, temperature, vibration, power) shall be continuously monitored and logged by the Contractor.
- c) GIPCL's O&M team shall participate in Trial Operation as shadow operators.
- d) Any defect or malfunction identified during Trial Operation shall be immediately rectified by the Contractor.
- e) If Trial Operation is interrupted due to a failure attributable to the Contractor, the trial shall be recommenced after rectification.

On successful completion of Trial Operation, the Contractor shall prepare a Trial Operation Report and submit to EIC. GIPCL/EIC shall review and, if satisfactory, authorise commencement of PG Tests.

6.24 PERFORMANCE GUARANTEE (PG) TESTS

1. PG Test Plan

The Contractor shall prepare and submit a detailed PG Test Plan to EIC at least 60 days before the proposed date of PG Tests. The PG Test Plan shall include test objectives, test procedures, measurement methods, instrumentation to be used (with calibration certificates), duration of each test, data recording formats, and acceptance criteria.

2. PG Test Parameters

PG Tests shall demonstrate and verify as per respective package Plan:

6.25 TAKING OVER PROCEDURE

1. Prerequisites for Taking Over

The Contractor shall apply in writing to EIC for Taking Over when the following conditions have been met:

- a) Successful completion of PG Tests with all guaranteed parameters achieved.
- b) All punch list items from Cold/Hot Commissioning and Trial Operation have been closed.
- c) Complete As-Built drawings, O&M manuals, equipment data books, and test records submitted and accepted by EIC.
- d) All spare parts, special tools and tackles, and first fill of consumables (oils, lubricants, greases); and completion of Package D dismantling works as per schedule; handed over to GIPCL's stores.
- e) Training of GIPCL's O&M personnel has been completed satisfactorily.
- f) All temporary works, rubbish, and surplus material have been removed from site.
- g) Site has been cleaned, restored, and handed back to GIPCL in proper condition.



2. Handing-Over Inventory

The Contractor shall prepare a detailed Handing-Over Inventory listing all equipment, systems, documents, spare parts, tools, and consumables handed over to GIPCL. The inventory shall be jointly signed by the Contractor and GIPCL's authorised representative. The Taking Over Certificate shall be issued by EIC after verification of the inventory.

6.26 TOOLS, TACKLES, CONSUMABLES AND TEMPORARY WORKS

1. Special Tools and Tackles

The Contractor shall supply all special tools and tackles as required by the OEMs for operation and maintenance of the new Feeder Breaker System. A list of all special tools and tackles shall be submitted to EIC (if any) for approval before procurement, and shall be handed over to GIPCL at the time of Taking Over.

2. Filling Consumables

The Contractor shall supply and hand over to GIPCL (at Taking Over) the fill of all oils, lubricants, and greases required for each equipment in the new Feeder Breaker System, as per OEM recommendations. Quantity and specifications of consumables shall be per OEM O&M manuals.

3. Temporary Works

All temporary works (scaffolding, shoring, formwork, temporary access, temporary power distribution, temporary lighting, dewatering, etc.) shall be designed and constructed by the Contractor to be safe, adequate, and compliant with all applicable safety standards. Temporary works shall be dismantled and removed upon completion of their purpose. GIPCL accepts no responsibility for the design or adequacy of temporary works.

6.27 QUALITY CONTROL AND INSPECTION AT SITE

1. GIPCL/PMC Inspection Rights

GIPCL and/or PMC shall have the right to inspect all works at any stage of civil, erection, or commissioning activities. The Contractor shall not cover or conceal any work without prior inspection and written clearance from EIC. Non-compliance with this requirement shall entitle EIC to order uncovering of the concealed work at the Contractor's cost.

6.28 HOUSEKEEPING, RESTORATION AND DEMOBILISATION

1. Housekeeping

The Contractor shall maintain the highest standards of housekeeping at all work areas throughout the Contract period. The work area shall be cleared of debris, waste materials, empty containers, packing, and scrap steel daily. Flammable materials shall not be accumulated at work areas. Pathways and fire escape routes shall be kept clear at all times.



2. Restoration of Site

Upon completion of the Works, the Contractor shall restore all areas used by it during the Contract period to the same or better condition as before commencement. This includes:

- a) Removal of all temporary structures, stores, and site office infrastructure.
- b) Restoration of all roads, pathways, drainage channels, and underground services disturbed during construction.
- c) Removal of all surplus materials, scaffolding, erection equipment, waste, and debris from site.
- d) Cleaning and flushing of all drainage systems disturbed during construction.
- e) Painting/touching up of any existing plant structures or equipment damaged during Works.

6.29 REPORTING AND DOCUMENTATION

1. Daily Site Reports

The Contractor shall submit a Daily Site Report (DSR) to EIC, covering the previous day's work. The DSR shall include: activities completed, resources deployed (manpower, equipment), materials consumed, safety statistics (man-hours, near-misses, incidents), issues/constraints, and planned activities for the current day.

2. Weekly Progress Meetings

A weekly progress meeting shall be held at site (as agreed) attended by Contractor's RPM, EIC/PMC representative, and GIPCL's site representative. Minutes of the meeting shall be prepared by the Contractor and circulated.

3. Monthly Progress Reports

The Contractor shall submit a comprehensive Monthly Progress Report (MPR) to GIPCL/PMC each month. The MPR shall include:

- a) Executive summary of progress for the month.
- b) Updated L1/L2 PERT/CPM programme (planned vs actual) with variance analysis.
- c) Material procurement and delivery status.
- d) Manpower and equipment deployment chart.
- e) Safety statistics and HSE summary.
- f) Issues/risks and mitigation actions.
- g) Upcoming activities and plans for next month.
- h) Any other, as per requirement



4. As-Built Documentation

The Contractor shall maintain As-Built mark-ups throughout the construction phase. Final As-Built drawings shall be prepared after completion of all Works and submitted in four (4) hard copies and two (2) sets of Pen drives (PDF& AutoCAD -latest version and MS Office format) within 60 days of issuance of the system clearance/certificate.

6.30 GENERAL SITE OBLIGATIONS

1. Co-ordination with other Contractors

GIPCL may have other contractors working simultaneously at SLPP /Mines contractor/any other. The Contractor shall co-ordinate and co-operate with other contractors as directed by EIC/PMC. Any claim of interference or delay caused by other contractors shall be referred to EIC for resolution and shall not entitle the Contractor to unilaterally suspend its activities.

2. No Obstruction to Plant Operation

The Contractor shall conduct all site activities in a manner that does not obstruct or interfere with the normal operation of SLPP Units 1 & 2. All cranes, vehicles, and heavy equipment movements within plant premises shall be coordinated with GIPCL's plant operations team and shall comply with GIPCL's traffic management procedures.

3. Security and Gate Pass Compliance

The Contractor and all its personnel and vehicles shall comply with GIPCL's security procedures, gate pass regulations, and material gate pass requirements at SLPP. No material shall be brought into or removed from plant premises without proper gate passes. GIPCL reserves the right to search any vehicle, container, or personnel at its gate.

4. Vendor/OEM Engineers

The Contractor shall ensure that OEM/Vendor engineers are present at site during the erection and commissioning of their respective equipment under Package A (Feeder Breaker, conveyor system), Package B (weigh bridge, RFID system) and Package C (Surface Feeder). A schedule of OEM/Vendor engineer visits shall be submitted to EIC at least 21 days in advance.

6.31 PACKAGE B AND PACKAGE C – SPECIFIC SITE PROVISIONS

1. Package B – Associated Works

All Package B works shall follow the same QC, safety, PTW, and reporting provisions as specified for Package A under this ECC as per requirement.

2. Package C – Surface Feeder (Contingency Feeding Arrangement)

Package C covers the supply and installation of one (1) no. Surface Feeder for contingency feeding (temporary feeding) arrangement in the Phase-I



system, along with all associated works for installation and commissioning. The following specific provisions shall apply to Package C:

- a) The Surface Feeder shall be erected as per OEM/Vendor's approved erection manual and drawings. OEM/Vendor engineer shall be present for and shall supervise erection, commissioning, and PG Test of the Surface Feeder.
- b) Pre-commissioning checks, Cold Commissioning (no-load dry run minimum 4 hours), and Hot Commissioning (loaded run verification at 1000 TPH rated capacity) shall be carried out.
- c) PG Test for Package C shall demonstrate a minimum throughput capacity of 1000 TPH and reliable contingency feeding operation of the Phase-I system. Test duration, procedure, and acceptance criteria shall be as per Technical Specifications (Volume II).
- d) All Safety, PTW, QC, labour management, reporting, and housekeeping provisions of this ECC shall apply equally to Package C works. Any interface of the Surface Feeder with the existing Phase-I system shall be carried out only under approved outage plan and with EIC.

Handing over of Package C Surface Feeder shall follow the same procedure as specified (Taking Over Procedure), including submission of As-Built drawings, O&M manuals, spare parts, and training of GIPCL personnel for Surface Feeder operation and maintenance, prior to issuance of Taking Over Certificate for Package C.

6.32 PACKAGE D – SPECIFIC SAFETY AND EXECUTION PROVISIONS

The following specific provisions shall govern the execution of Package D (Dismantling and Disposal of existing LHS equipment) in addition to the general safety requirements.

- a) Sequence and timing of all dismantling activities shall be determined solely by GIPCL. The Contractor shall not commence any dismantling without prior written approval for each activity from GIPCL/EIC. The Contractor shall deploy required resources (including additional manpower, safety supervisors, and competent persons) as directed by GIPCL.
- b) A Pre-Dismantling Joint Inventory: Before initiating any dismantling, the Contractor shall submit a complete inventory of all items proposed for dismantling. GIPCL reserves the right to identify and remove any equipment or components it wishes to retain as spares before handing over the balance to the Contractor.
- c) Part-1 Dismantling: Feeder Breaker (Phase-I), BCN-M1A Yard Conveyor (partial), Stacker-cum-Reclaimer (outplant), and associated electrical/C&I/IT equipment at Vastan Mines end shall be dismantled as per approved DMP and handed over / disposed of.



- d) Part-2 Dismantling— after Package A commissioning): Balance BCN-M1A elevated conveyor gallery, trestles, and associated structures from Vastan Mines end to JNT-13 shall be dismantled only after written clearance from GIPCL/PMC confirming that Package A is commissioned and the Phase-I system is formally decommissioned.
- e) After completion of each dismantling phase, the Contractor shall clear the entire area to GIPCL/EIC's satisfaction — all debris removed, surfaces levelled, drainage restored, and the area handed over with GIPCL sign-off. As-dismantled documentation including photographs shall be submitted.
- f) GIPCL reserves the right to deploy its own safety personnel or an authorized third-party safety retainer to verify the dismantling process and monitor day-to-day activities. The Contractor shall cooperate with and facilitate such monitoring without any restriction.
- g) Any items required for temporary shifting, re-routing (pipes, cable trays, etc.) necessitated by the dismantling sequence shall be in the Contractor's scope without any additional cost implication.

6.33 STRUCTURAL INTEGRITY AND TEMPORARY/PORTABLE EQUIPMENT INSTALLATION SAFETY

The following provisions apply to all temporary works and portable equipment installations (including Package C Surface Feeder and any temporary structures installed during the Contract):

- a) Structural Integrity Assessment: Before commencement and after completion of installation of any portable or temporary equipment (including Package C Surface Feeder), the Contractor shall carry out a structural integrity assessment of all areas and structures on which such equipment is placed or anchored. Valid structural adequacy certification, prepared by a qualified structural engineer and acceptable to GIPCL/EIC, shall be submitted before energization of the equipment.
- b) All protections — electrical (overload, earth fault, emergency stop), mechanical (guards, covers, pull-cord switches) and structural (barricades, handrails, signage) — essential for the safety of the portable/temporary equipment and all persons and assets in its vicinity shall be provided by the Contractor at its own cost and risk.
- c) The Contractor shall ensure that the Portable Surface Feeder (Package C) and all other temporary equipment are designed and installed in a manner that allows dismantling and redeployment without damage to the equipment or to existing plant structures. OEM confirmation of redeploy ability shall be obtained and submitted to GIPCL/EIC before installation.
- d) The Contractor is responsible for the safety and security of all its resources (men, materials, T&P, equipment) stored or deployed at the GIPCL-



provided space. In case of any theft or damage, the cost shall be borne by the Contractor; no claims in this regard shall be entertained by GIPCL.

- e) In case of any emergency relating to plant operation, the Contractor shall render all necessary assistance to GIPCL for restoration of smooth functioning of the system, in addition to its regular scope of work.
- f) The Contractor shall keep all site areas — including temporary equipment installation areas — clean and clear of scrap, unused material, and construction debris, so that normal working of the Lignite Handling System is not hampered. The Contractor shall remove and transport all such material to designated disposal locations at its own cost.
- g) Any modifications or alterations to existing systems required for safety of the new/temporary installation shall be carried out by the Contractor with prior written approval from GIPCL/EIC, at the Contractor's own cost and risk.