

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

GUJARAT INDUSTRIES POWER COMPANY LIMITED
(Surat Lignite Power Plant)

AT & POST NANI NAROLI, TALUKA: MANGROL, DIST: SURAT, PIN 394112 (GUJARAT)
Phone Nos.: EPABX (02629) 261063 to 261072, fax Nos.: (02629) 261112, 261080

Tender documents for the Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period for 4 x 125 MW Surat Lignite Power Plant.

Bid No.: SLPP / LLHS & AHS/ BRC/ H&M-HK / 2026-28
N-PROCURE TENDER ID: 234692



**INSTRUCTIONS TO BIDDERS & CONDITIONS OF
CONTRACT**

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

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NOTE: All the Bidders should study entire Tender documents carefully & may carry out Plant visit before quoting & submitting their online Bid to understand scope of work and its importance.

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NOTICE INVITING TENDER (NIT)
TENDER NO.: SLPP/LLHS&AHS/BRC/H&M-HK/2026-28
N-Procure Tender ID: 234692

Name of work	Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.
Place of work	Surat Lignite Power Plant, Village: Nani Naroli, Taluka: Mangrol, Dist.: Surat- 394110 (Gujarat).
Quantity	The successful Bidder will be awarded this contract involving total quantities of various items as mentioned against item descriptions in BOQs.-(Section-E of tender)
Contract period	24 Months
EMD	8.50 Lacs by Demand Draft payable at Mosali-Surat/Nani Naroli/Surat or Bank Guarantee in favor of GIPCL from approved Banks mentioned in this tender in subsequent clauses OR through RTGS or online payment gateway of company’s website: www.gipcl.com (online Payment Form) as per details mentioned herein under clause no. 8 of Instructions to Bidders.
Cost of tender document / tender fee	Rs.5900 by Demand Draft in favor of GIPCL payable at Nani Naroli OR through RTGS or through online payment gateway of company’s website: www.gipcl.com (online Payment Form) as per details mentioned herein under clause no. 8 of Instructions to Bidders.
Availability of online e-Tender document	On website https://tender.nprocure.com or https://gipcl.nprocure.com From 05.11.2025 to 27.11.2025
Last date of online submission of offer	27.11.2025 up to 17:30 hrs. on website: https://tender.nprocure.com or https://gipcl.nprocure.com
Site Visit	Interested parties may carry out site visit to understand nature of work & site conditions before submission of bid.
Submission of EMD, Tender fee RTGS detail and other supporting documents for technical Bid in physical form or send scan copies through email.	On or before last date of online bid submission during office hours at office of Surat Lignite Power Plant, Nani Naroli, Dist. Surat. On or Before 27.11.2025, 17:30 Hrs. Email ID: sjparmani@gipcl.com
E-Reverse Auction	E-Reverse Auction will be executed through website: https://e-auction.nprocure.com (Schedule will be intimated later on to eligible bidders).

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NOTES:

1. Amendment / corrigendum of the tender document, forms, schedules, etc... may be done any time by the GIPCL during the period of publication of tender in the website. The Bidders are required to visit the website regularly till the last date & time of Bid submission.
2. GIPCL reserves the right to reject any or all the tenders without assigning any reason thereof.
3. The Bidders are required to quote the rate strictly as per the terms and conditions mentioned in the tender document, adhering to technical specifications as well.
4. The Bidders are required to submit their Bids online only through the website <https://tender.nprocure.com> or <https://gipcl.nprocure.com>
5. The supporting documents in physical forms along with EMD DD/BG or detail of RTGS/Online payment for EMD and Tender fee are to be submitted only at the following address: -

Addl. General Manager (O & M) - SLPP

Gujarat Industries Power Company Limited
Surat Lignite Power Plant
At Village: Nani Naroli,
Taluka: Mangrol,
Dist.: Surat-394 112, Gujarat.
Phone: (02629) 261063-72.

XXXXXXXXXXXX

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SECTION-A

INSTRUCTIONS TO BIDDERS

1. PLANT SYNOPSIS

Gujarat Industries Power Company Limited (GIPCL) (henceforth be named Company/GIPCL), is a Premier Power Utility in the State of Gujarat with an installed capacity of 1184.4 MW. GIPCL has Commissioned total capacity of 374.4MW of Renewable Capacity comprising of 112.4 MW Wind and 262 MW of Solar Power Projects as on date in its portfolio.

GIPCL commissioned its first power project: a 145 MW gas based combined cycle power plant in 1992 at Vadodara. It expanded its capacity by 165 MW Neptha and Gas based Combine Cycle Power Plant at Vadodara in 1997.

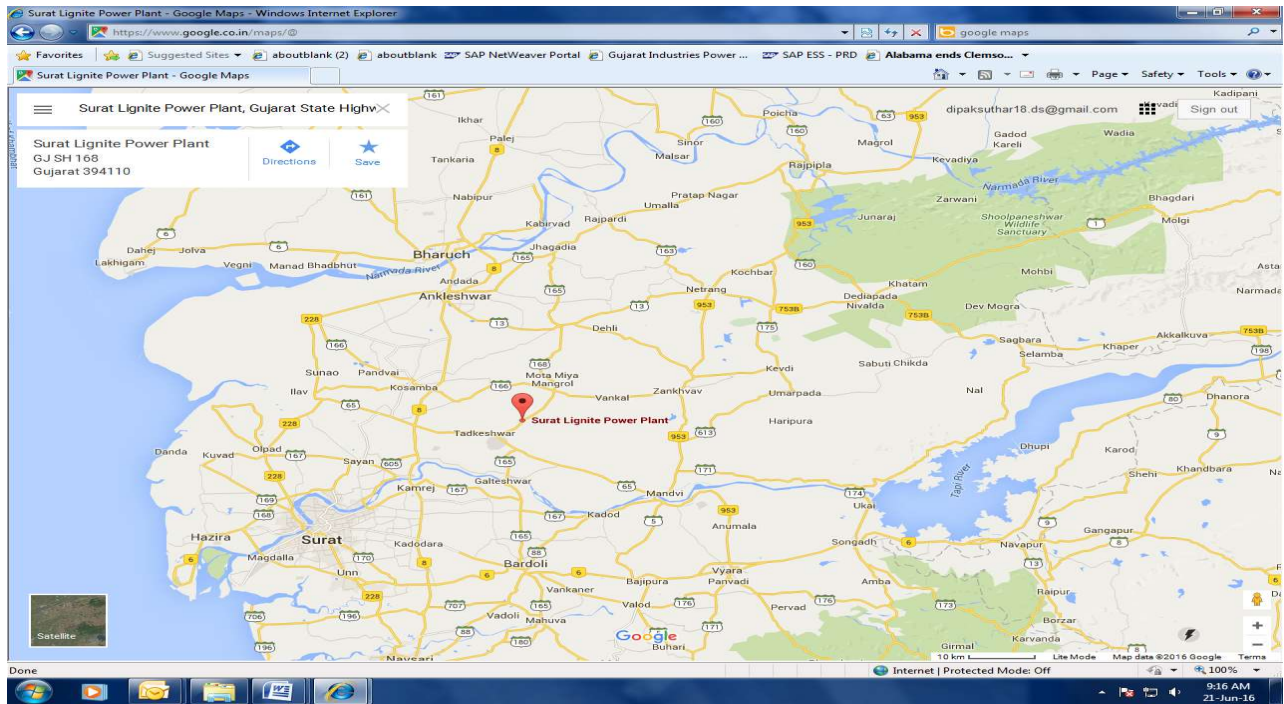
Surat Lignite Power Plant (SLPP) with four units of 125 MW capacities each is located at Village: Nani Naroli, Taluka: Mangrol, District: Surat in Gujarat. GIPCL has also operating its own captive Lignite and Lime Stone Mines close to the Power Plant. The Power Plant is based on Circulating Fluidized Bed Combustion (CFBC) technology for the Boilers, where Lignite is burnt along with Lime Stone in the Combustor of the Boiler.

The company has commissioned Solar Project of 5 MW at SLPP, Mangrol location in January 2012. The company has also commissioned a unique Distributed Agri Solar pilot project of 2 x 1 MW in April & May, 2016. The Company has successfully commissioned a 2 x 40 MW Solar Project in September, 2017 as well as a 75 MW Solar Power Project in June, 2019 at Gujarat Solar Park, Village Charanka, Dist.: Patan.

The Company has commissioned the 100 MW Solar Project at the Raghanesda Solar Park, Banaskantha, Gujarat on 10.08. 2021. The Company has also been allotted land for development of a 2375 MW Renewable Energy Park at Khavda in the Kutch district of Gujarat.

Surat Lignite Power Plant (SLPP) is accessible by road from Kim and Kosamba, which are on Mumbai-Ahmadabad highway. From Kosamba SLPP is around 32 km, out of which 27 km is part of the National & State Highway and balance 5 km is District Road. From Kim, SLPP is around 18 km, out of which 13 km is the State Highway and balance 5 km is District Road. The nearest Broad Gauge Railway Line is at Kim, which is around 21 km from the SLPP. Surat is approximately 50 km from the SLPP. Location Map for SLPP is as under:

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The Company intends to award Biennial Rate Contract for Handling and Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System for 4 x 125 MW for a period of two years at SLPP and is therefore inviting open tenders online (nProcure Portal) from experienced & resourceful contractors.

2. SCOPE OF WORK:

➤ PACKAGE A:- (LIGNITE AND LIMESTONE HANDLING SYSTEM)

2.1 The scope of work covers:

- a) Handling and mechanical maintenance as per detail scope (preventive, predictive, breakdown and running maintenance) involving the activities on a per job rate or item rate basis mentioned in SECTION-E and ANNEXURES- A1, A2, A3, A4 & A5.
- b) Housekeeping of ILHS and Limestone system as per scope involving the activities on job/item rate basis mentioned in SECTION-E and ANNEXURE- B1, B2, B3, B4, B5, B-6 & B-7.
- c) Housekeeping of ELHS system as per scope involving the activities on job/item rate basis mentioned in SECTION-E and ANNEXURE- C1, C2, C3, C4, C5, C-6 & C-7.
- d) To Provide Utility Vehicles to GIPCL workmen as mentioned in SECTION-E AND Annexure D.

There are three streams of lignite conveying system (1200TPH), one stream of lime handling system (200THP), four streams of milling system (35TPH) and three system of lime pneumatic conveying system (45TPH).

2.2 The bid submitted by the bidder not covering the total scope of work and services as detailed out in the tender document shall be liable for rejection.

2.3 Quantum of job mentioned against all items in the price bid are indicative only & may vary as per site requirement & not to be construed as maximum or guaranteed quantity. The quantities shown in the price bid are approximate quantities for the contract period and they may vary as per site requirement.

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- 2.4 All the miscellaneous activities pertaining to specific work to be executed for satisfactory performance is in the scope of contractor in his quoted rates.

2.5 DETAILS OF SYSTEM

2.5.1 Introduction to Lignite Handling system: -

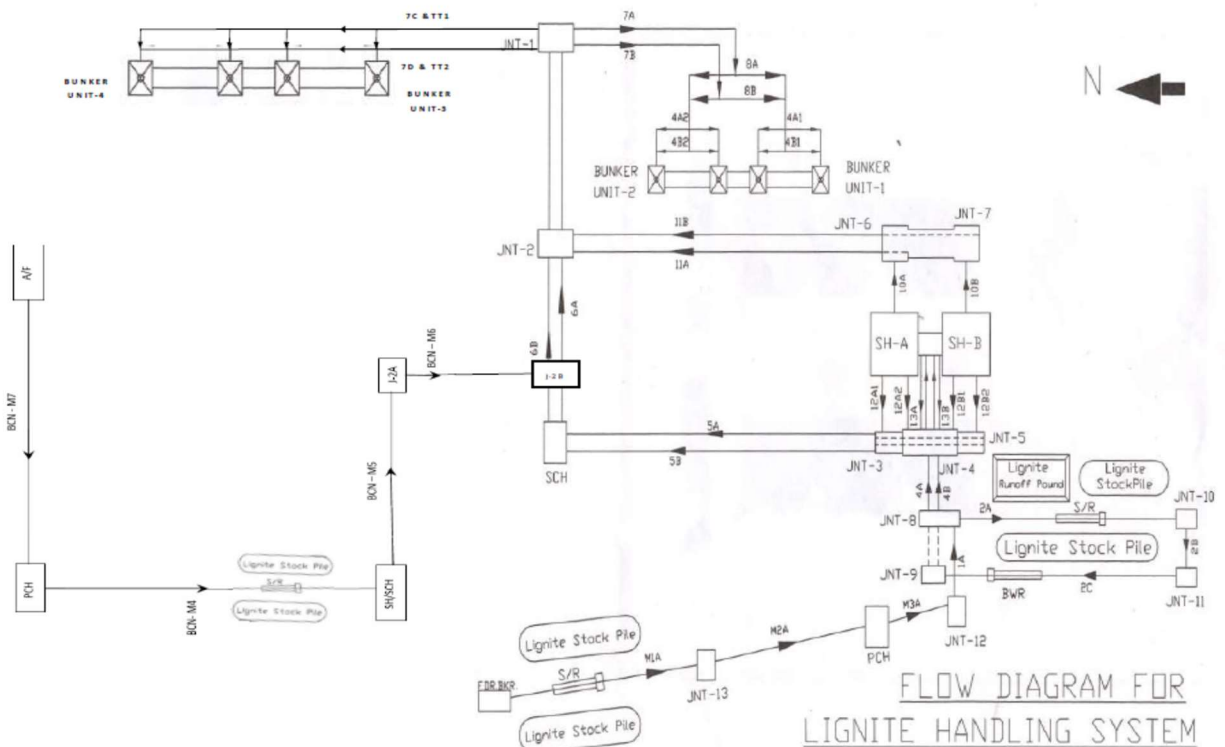
This contract is for conveying and sizing of lignite as per the requirement of power plant from mines end. Entire system is divided in to four sub groups.

- ELHS –phase -1
External Lignite Handling System Phase-I from mines end to power plant.
(Feeder breaker to JNT-12)
- ILHS –phase -1
Internal Lignite Handling System Phase-I after BCN-1A conveyor gallery pent-house to boiler bunkers.
- ELHS mines end –phase -2
External Lignite Handling System Phase-II from Apron Feeder to Primary crusher.
- ELHS plant end –phase -2

External Lignite Handling System Phase-II after primary crusher to boiler bunkers.

The capacity of conveyor system is 1200 TPH. Every day requirement of Lignite for all four units is approximately 11000 MT. Lignite received from the mines is having minor quantities of stones. Separate agency has been arranged for removing stones from running belt conveyors. Both the streams of Lignite handling system operate on load round the clock for filling lignite bunkers. As a whole, there is three-shift operation in a day & we have to deploy manpower at all notified locations round the clock.

Line diagram of Lignite Handling System as follows:



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2.5.2 Introduction to Limestone Handling, Milling and Pneumatic conveying system: -

This contract is for sizing, grinding and pneumatic conveying of Limestone as per the requirement of power plant. Entire system is divided into Main three groups:

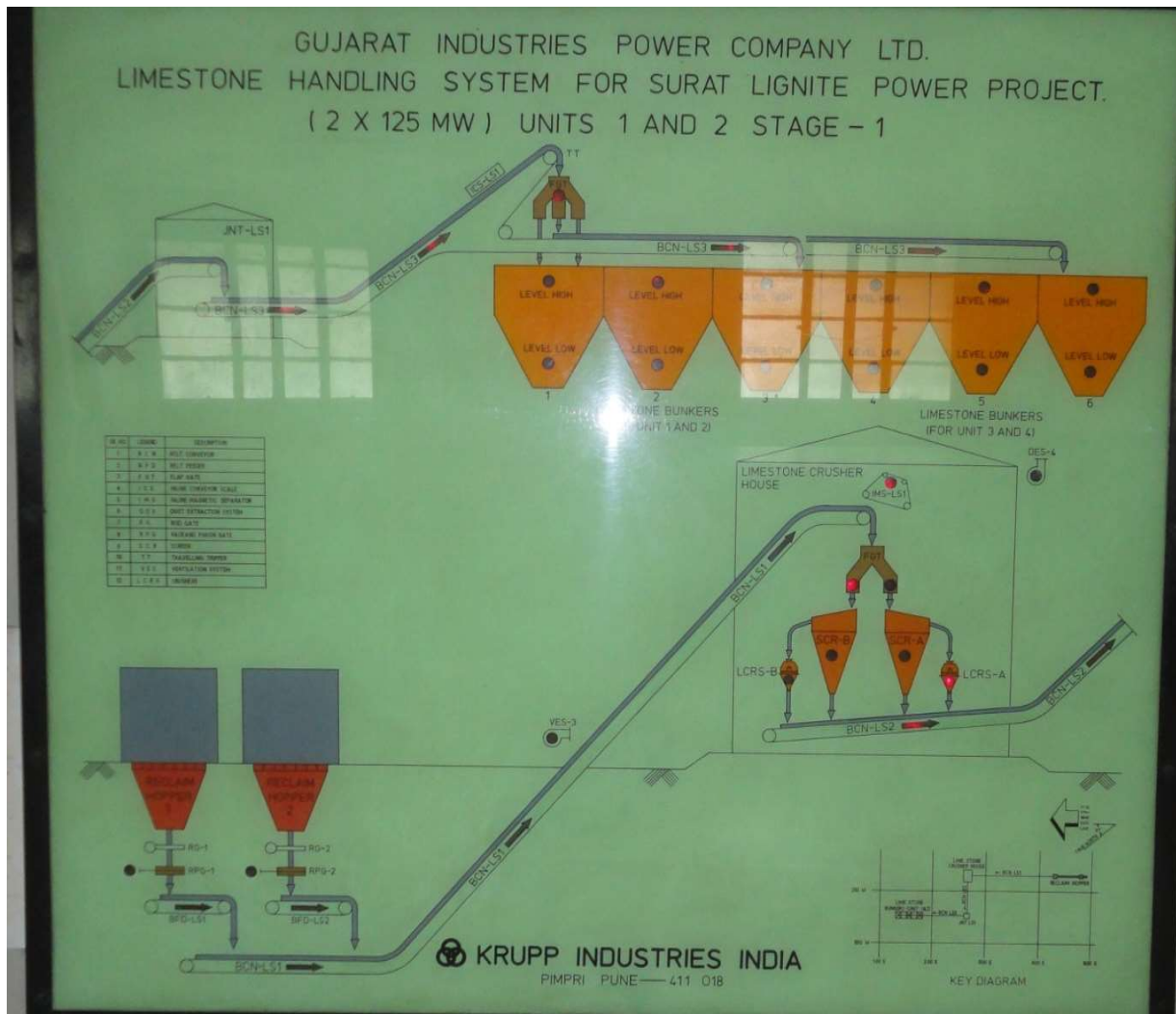
- i) Limestone Handling System for Phase -1
- ii) Limestone Milling System for Phase-1&2
- iii) Limestone Pneumatic Conveying System-1&2

Brief detail of above system is as below.

i) Limestone Handling System

The limestone handling system of capacity 200 ton per hour feed limestone to raw mill bunkers from the stockpile. The total system is inside the plant premises. The operation hour is about 8-12 hours a day. So, manpower is being deployed accordingly at defined locations. The lime stone feeding to the reclaimers is in the scope of GIPCL.

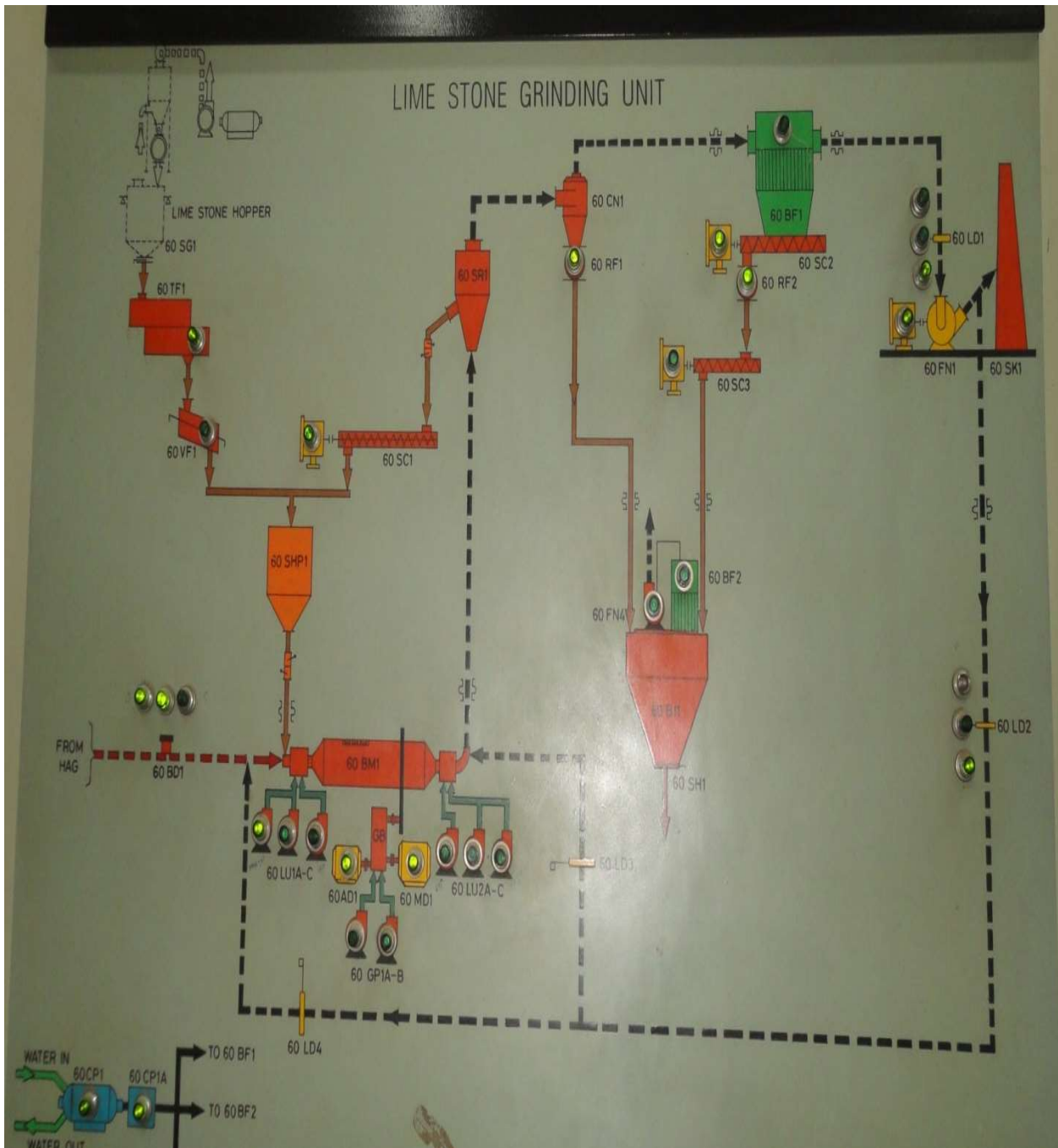
Line diagram of limestone handling and milling system as follows:



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i) Limestone Milling System

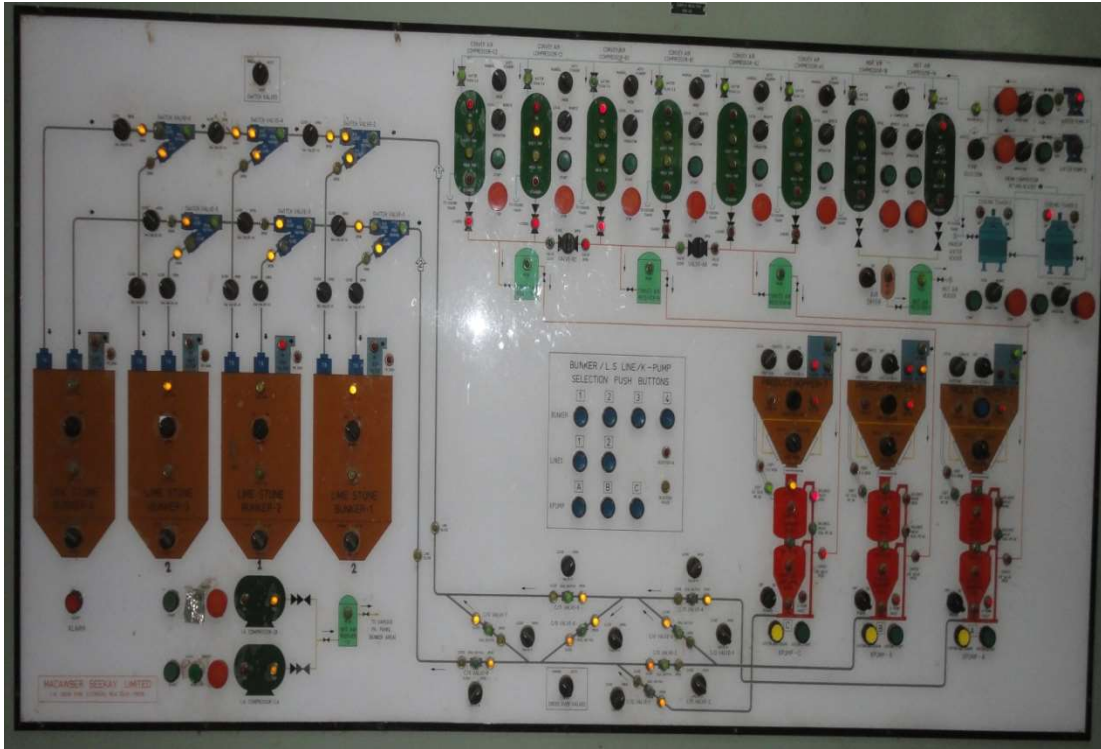
There are four limestone mills of each capacity 35 ton per hour which grind limestone (-25MM size) and convert in powder form and store in product bin hopper. At a time two mills shall be in operation round the clock. Manpower is to be deployed at all notified locations round the clock.



ii) Limestone conveying System

In pneumatic conveying system, Limestone powder convey from product bin hopper to boiler bunker through K-Pump. Pneumatic conveying system having 45 ton per hour Capacity. At a time 02Nos k-pump in operation round the clock. Manpower is to be deployed at all notified locations round the clock.

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2.6 List of Equipments for which handling & maintenance (mechanical) is to be carried out as per enclosed schedule in the price bid.

2.6.1 LIGNITE HANDLING SYSTEM - Phase-I & II

Following are the equipment:

1. Feeder Breaker/ Apron Feeder -	02 Nos.
2. Stacker Reclaimer / Bucket reclaimer -	04 Nos.
3. Belt Conveyor- NN type -	23 Nos.
4. Belt Conveyor- Steel cord -	02 Nos
5. Belt Feeder-	18 Nos.
6. Magnetic separator-	05 Nos.
7. Primary Crusher-	03 Nos.
8. Secondary crusher-	06 Nos.
9. Eccentric Disc Screen-	01 Nos.
10. Rack & pinion gates	08 Nos
11. Flap gates -	06 Nos
12. Drinking / service water pump-	04 Nos
13. Sump pump-	07 Nos
14. Dry fog dust suppression system - Set = (02 pumps + 02 compressors)	03 set.
15. Electrical hoist -	28 Nos
16. Manual hoist (Winch) -	02 Nos.
17. Chain block 5Mt	04 Nos
18. Chain block 10Mt	02 Nos.
19. Vulcanizing Machine -	02 set
20. Spot repair / Hot Patching Machine -	01 set
21. Plough Diverter	06 Nos.

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2.6.2 LIME STONE HANDLING SYSTEM.

(i) Lime stone handling system: -

1.	Reclaim Hopper-	:02Nos
2.	Rack & Pinion Gate-	:02Nos
3.	Belt Feeder-	:02Nos
4.	Belt Conveyor-	:03Nos
5.	Sump Pump-	:02Nos
6.	Ventilation System-	:01No
7.	Inline Magnetic Separator-	:01No
8.	Flap Gate-	:01No
9.	Screen-	:02Nos
10.	Crusher-	:02Nos
11.	Travelling Tripper-	:01No
12.	Electric Hoist-	:10Nos

(ii) Limestone Milling System-Phase –I &II:

1.	Raw Lime Bunker-	:04Nos
2.	Slide Gate-	:09 Nos.
3.	Table Feeder-	:03 Nos
4.	Vibrating Feeder-	:03 Nos.
5.	Weigh feeder-	:01Nos
6.	Surge Hopper-	:04 Nos.
7.	Hot air Generator unit-	:04Nos
8.	Drying Chamber-	:03Nos
9.	Ball Mill-	:04Nos
10.	Grit separator-	:04Nos
11.	Gravity type flap valve-	:04Nos
12.	Cyclone-	:04Nos
13.	Screw Conveyor-	:12Nos
14.	Bag Filter-	:08Nos
15.	RAL Feeder-	:11Nos
16.	ID Fan-	:04Nos
17.	Stack-	:04Nos
18.	Damper (Recirculation and i/l to ID Fan)-	:16Nos
19.	Vent fan on Product Hopper-	:04Nos
20.	Mill Compressor with air dryer & after cooler-	:04Nos
21.	Electric Hoist-	:06Nos
22.	Chain Pulley block-	:10Nos
23.	Receiver tank-	:04Nos
24.	Sump Pump-	:01No
25.	Product bin Hopper-	:04Nos

(iii) Limestone Pneumatic Conveying System-Phase –I&II:

1.	Cooling water Pump-	:02Nos
2.	Instrument air Compressor with after cooler-	:02Nos
3.	Air dryer for Instrument air compressor-	:01No
4.	Conveying air Compressor with after cooler-	:08Nos
5.	Receiver tank-	:05Nos

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6.	Slide gate-	:05Nos
7.	K-Pump-	:04Nos
8.	Cross over and switch over valves (Total 20Nos) -	:01Set
9.	SKV and DVD Valves (Total 24 Nos) -	:01Set
10.	Vent /bag filter -	:08Nos
11.	Cooling Tower & Fan-	:02 Nos

This list is not exhaustive and any other equipment's not indicated above but required for Operating & maintenance of entire Lignite, Limestone handling, Milling & Conveying system are included in the contractor's scope of work.

➤ **PACKAGE B:- (ASH HANDLING SYSTEM)**

- a) The Scope of Work covers Handling, Mechanical Maintenance and Housekeeping of Ash Handling System
- b) The Bid submitted by the Bidder not covering the total scope of work and services as detailed out in the tender document shall be liable for rejection.
- c) Quantum of job mentioned against all items in the Price bid are indicative only & may vary as per site requirement & not to be construed as maximum or guaranteed quantity. The quantities shown in the price bid are approximate quantities for the contract period and they may vary as per job requirements.
- d) All the miscellaneous activities pertaining to specific work to be executed for satisfactory performance is in the scope of Contractor in his quoted rates.

3. GENERAL INSTRUCTIONS

- a) The Bidders who are interested in participating in the tender must read and comply with the instructions and the Terms & Conditions contained in the tender documents.
- b) The Bids shall be filled in by the Bidders clearly, neatly and accurately. Any alteration, erasures or overwriting shall be liable to make the tender invalid unless the same is neatly carried out and attested over the full signature of Bidder. The decision of the Company to interpret the information and rates filled in by the Bidder shall be final and binding on the Bidder.
- c) The Bidders are requested to make themselves fully conversant with the General Conditions of Contract, Special Conditions of Contract, Technical Specifications, Site conditions, Safety & Health Aspects and Norms to be observed etc. before submitting their bids so that no ambiguity arises in these respects subsequent to submission of the Bids.
- d) Before quoting the rates, the Bidder should go through the specifications, scope of work etc. and get himself fully conversant with them. The Bid should include cost of mobilization and cost to adhere to all Safety Norms as described in the tender. No relaxation or request for revision of quoted/accepted rates shall be entertained subsequent to the opening of Bid on account of mobilization or Safety costs.
- e) **For other section:** Splitting of work for other sections is not advisable as the purpose of SoR method will not be fulfilled
- f) Bidder has to submit all the information as per required Bid document. Failure to furnish all the information as per required Bid documents or submission of a Bid containing deviations from the contractual terms and conditions, specifications and requirements, shall be rejected.
- g) The Bids shall be submitted within the time frames set out in the Notice Inviting Tender ('NIT') and Bids submitted thereafter shall not be accepted and considered.
- h) The tender documents shall not be transferable.

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- i) The Bidders are expected to examine all instructions, forms, terms & specifications in the Bid documents and to get fully acquainted themselves with all the conditions and matters which may affect the subject matter of the work/tender or the cost thereof. If any Bidder finds any discrepancies or omissions in the specifications and documents or any doubt in true meaning or interpretation of any part, he shall seek necessary clarifications in writing or during Plant visit meeting if required.
- j) Conditional offers shall not be considered and liable to be rejected.
- k) The Company reserves the right to extend the deadlines for submission of the Bids by giving amendments.
- l) Bidders may seek any clarifications from the Company on their written request regarding the tender document.
- m) During evaluation of Bids the Company may, at its discretion ask the Bidder (s) for clarification of their Bid. The request for clarification and the response shall be in writing and no change in prices or substance of the Bid shall be sought, offered or permitted.
- n) The Company reserves the right to amend/ modify the Bidding documents at any time prior to the deadline for submission of Bids, either at its own discretion or in response to the clarification requested by a prospective Bidder. In such case, the Company may in its discretion extend the deadline for submission of Bids in order to facilitate the prospective Bidders for incorporating the effect of the amendment in their Bids.
- o) The Bidders shall bear all costs and expenses associated with the preparation and submission of their respective Bids, to attend meetings or conferences, if any, including any pre-award discussion with the successful Bidder, technical and other presentations etc. and the Company shall not be liable for any expense thereof.
- p) If the successful Bidder is a joint venture, formed of two or more companies, the Bidder along with the partners shall accept joint and several responsibilities and liabilities for all obligations under the Contract.
- q) Timely and satisfactory completion of the work and strict adherence to the allotted time frames for jobs shall be the essence of the contract.
- r) The Company reserves the right to qualify/disqualify any applicant without assigning any reason.
- s) The Bidder shall be disqualified if any untrue statement or misrepresentation is made in the Bid forms, attachments and other supporting documents submitted by the Bidder.

4. SITE VISIT

It is perquisite and necessary for all interested bidders to visit the Surat Lignite Power Plant (SLPP) after downloading the tender copy from website: <https://tender.nprocure.com> or <https://gipcl.nprocure.com> or www.gipcl.com to understand the actual working conditions, compliance related to labour, safety etc... before submitting their offer. Failing which, any consequential liabilities arising will be to bidder's account.

The Bidders shall examine the site of works and its surroundings at his/her own responsibility. The bidders shall collect information that may be necessary for preparing the Bid and entering into a contract. All costs and liabilities arising out of the site visit shall be at Bidder's account.

The Bidder is deemed to have examined and understood the tender document, obtained his/her own information in all matters whatsoever that might affect the carrying out the works

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expressly mentioned or works which may have to be carried out to fulfill his/her contractual obligation within the scheduled rates and to have satisfied himself/herself to the sufficiency for his/her offer.

The submission of tender by a contractor implies that he has read these instructions, conditions of the contract etc. and has himself/herself aware of the scope, nature of works & specifications of the works to be done. GIPCL will not, therefore after acceptance of contractor's rate, pay any extra charges for any other reason in case the contractor is found later on to have misjudged the site conditions.

Any error in description or quantity or omission in the contract document shall not vitiate the contract or release the contractor from executing the work comprised in the contract according to scope of works, magnitude of the works, requirement of materials, equipment, tools & tackles, labour, etc. Contractor has to complete the work in accordance with the contract documents irrespective of any defects, omissions or errors that may be found in the contract documents.

BIDDER shall inspect the site, examine and obtain all information required and satisfy himself/herself regarding matters such as access to site, communication, transport, working condition including constraint of work place, height of structure, quantity assessment of individual structures, temperature, confined area, quantum of dusting, running equipment, importance of work, round the clock working conditions, safety requirements, right of way, weather conditions, high flood level in River, flow of water during monsoon/dry season in the River/Nallah, the type and number of equipment, scaffolding materials and facilities required for the satisfactory completion of work, the quantity of various items of the work, the availability of local labour, availability and rates of material, local working conditions, uncertainties of weather, obstructions and hindrances that may arise, etc which may affect the work or cost thereof, before submission of his/their Bid. Ignorance of site conditions shall not be accepted by the GIPCL as basis for any claim for compensation. The submission of a Bid by the BIDDER will be construed as evidence that such an examination was made. Any later claims / disputes in regard to rates quoted shall not be entertained or considered by the GIPCL. The rates quoted by BIDDER shall be based on his/her own knowledge and judgment of the conditions and hazards involved and shall not be based on any representations of the Engineer.

5. ELIGIBILITY CRITERIA

The following criteria shall be adopted for qualifying the Bidders for further proceeding.

- 5.1 Bidder should possess minimum Three years of experience out of last Five years (as per following point no. 5.2) in in Lignite/ Material Handling Plant jobs / Operation and Mechanical maintenance / Construction and commissioning of Bulk Material Handling systems of capacity not less than 200 TPH in power plant / Process Industries OR having experience of Operation / Mechanical maintenance of power plant having capacity more than 100 MW are qualified and should enclose proof of the same. Bidder shall submit necessary evidence for the same like attested copies of work orders along with work completion certificates from clients. The work completion certificate shall comprise of Order value & Executed value. Bidders should have executed the work directly. The work executed as a sub-contractor or subletting agency shall not be taken in to consideration.**

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Note: For evaluation of the bid, the executed value mentioned in the work completion certificate will be considered.

- 5.2** Bidder should produce evidence of having experience of successfully completed similar works as defined hereunder during last **five years** ending last day of the month previous to the one in which tender is invited, satisfactory progress of ongoing works etc. secured from clients along with certified copies of documentary evidence preferably photo copies of work experience. The experience should be either of the following:

a. One similar completed / executed work each costing not less than Rs. 600.45 Lacs (Including GST)

OR

b. Two similar completed / executed work each costing not less than Rs. 400.30 Lacs (Including GST).

OR

c. Three similar completed / executed work each costing not less than Rs. 300.22 Lacs (Including GST).

Bidder should specifically mention fulfilling of above criteria in his offer along with details of work orders & work completion certificates issued by clients.

- 5.3** Contractor shall have to submit satisfactory work completion/execution certificate from the client including ongoing/existing contracts. Experience as a sub-contractor will not be allowed and Price Bid of such Bidders will be rejected.
- 5.4** Tender fee: The tender fee **Rs. 5900.00** (nonrefundable) shall be submitted through RTGS or through online payment as per details provided in clause no. 8 herein under.
- 5.5** EMD: The EMD shall be in the form of DD or Bank Guarantee given by Bank as described in subsequent clause no. 8 or through RTGS or through online payment as per details provided in clause no. 8 herein under.
- 5.6** Bidder should have separate Employees Provident Fund code number towards registration of firm with RPF commissioner.
- 5.7** Attested copies of relevant documents duly signed & seal on each & every page shall be submitted. The above documents will be analyzed and after satisfaction, the Price Bid will be open. GIPCL may verify the documents, experience certificates issued by concern authority. After opening of technical Bid, if any required attested documents found missing in the Technical Bid submitted by the Bidder, the tender inviting authority may inform to that Bidder only once by E-mail to submit the missing required documents within stipulated time limit. If Bidder/Bidders fail to submit within stipulated time, their Bid will be declared technically disqualified and no further correspondence will be entertained.
- 5.8** Bidder should have average annual turnover of at least **Rs. 300.22 Lacs** for last three financial years. i.e. **2024-25, 2023-24 & 2022-23**. Bidder shall furnish annual audited financial statement duly certified by Chartered Accountant for the last three financial years to demonstrate the financial healthiness of the company. The balance Sheet must be in the name of the company. Any type of MOU for this purpose will not be entertained.

Note: In case, the annual turnover is less than the statutory guideline which does not require audit, the bidder shall submit the turnover certificate from Chartered Accountant.

- 5.9** The Bidder has to submit INCOME TAX Permanent Account Number (PAN) no. of the firm. Copies of the same shall be submitted.
- 5.10** Bidder has to submit GST registration number. Copy of the same shall be submitted.

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- 5.11** In case Bidder is a joint venture company since last five years, the above requirements/credential of Joint Venture Company / Parent companies shall be considered.
- 5.12** The Net worth at the end of the last financial year (2024-25) should be positive.
- 5.13** If Bidder or its Partner(s) or Director(s) is /are/was Black Listed / Deregistered / Stopped or banned from dealing in the past by any Govt, of Gujarat Undertakings / Depts. / Authorities and Govt. of Gujarat supported companies / undertakings / organizations, bid of that party may be liable to be rejected. Bidder agrees and undertakes to accept decision of GIPCL in this regards as final and binding on the Bidder without any demur and that no further correspondence shall be done in this regard at any stage. Bidder shall have to submit “Declaration for Contractual Litigations” as amended in **Annexure-Q** attached.
- 5.14** Bidder shall have to submit the “Declaration-cum-Undertaking for Compliance of Safety Laws and Regulations” as amended in **Annexure -P** attached.
- a. If any Major violation of any safety law(s) / Rule(s) is / are found during the preceding Three (3) years, bid of that party will be liable to be rejected. Bidder agrees and undertakes to accept decision of GIPCL in this regards as final and binding on the Bidder without any demur and that no further correspondence shall be done in this regard at any stage.
- b. If any of the details submitted in the prescribed Annexure / Form to the Bid is/are found to be false, incorrect at any time in future, then the Contract awarded to that Bidder / Contractor shall be liable to be terminated forthwith without any notice / correspondence and Bidder agrees and undertakes to accept decision of GIPCL in this regards as final and binding on the Bidder without any demur and that no further correspondence shall be done in this regard at any stage. Further, Performance / Security Deposit will also be liable to be forfeited. Any dues to GIPCL from the Bidder / Contractor shall be recovered from the pending bills or any other dues payable to the Bidder / Contractor, if any or otherwise through any other recourse available under the Laws.
- 5.15** Bidder has to fill the Annexure- R mentioning the documents submitted in support of each qualification criteria. Document mentioned in the Annexure-R against each Qualification criteria will only be considered for evaluation of eligibility.

The Bidder shall submit all the evidences, documents, attested copies of work orders & work completion certificates etc... as a proof with EMD & Tender Fee and also provide the requisite details online for meeting the prequalification requirements. GIPCL will verify the experience, performance, capability & strength of Bidders, independently for executing the job. GIPCL may visit the site & consult the owner of the industry/property where similar job is executed by the Bidder. GIPCL reserves the right to accept/cancel/reject any/all Bids without assigning any reason thereof. The tenders of qualified Bidder/Bidders shall only be considered for further evaluation.

- 5.16** GIPCL reserves the right not to consider bid of vendor who has track record of Non-Compliance/ Non-Performance/ Non-Supply/ Cancellation of Work Order/Purchase Order in past with GIPCL.

6. LANGUAGE OF BID

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Company, shall be written in the English language. Any

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printed literature furnished by the Bidder, written in another language shall be accompanied by an English translation for the purpose of interpretation of the Bid.

7. EARNEST MONEY DEPOSIT (EMD) AND TENDER FEE

7.1. An EMD of **Rs. 8,50,000/- (Rupees Eight Lacs Fifty Thousand only)** and Non-refundable Tender fee **Rs.5,900/- (Rupees Five Thousand Nine hundred only)** accompany with Bid. The EMD shall be in the form of a crossed bank Demand Draft in favor of Gujarat Industries Power Co. Ltd. as per following details:

Bank for EMD DD

1. Bank of Baroda
2. State Bank of India
3. Any Nationalized banks

Payable at :

Mosali, Dist: Surat
Nani Naroli, Branch Code: 13423
Surat

Alternatively, EMD and Tender fee shall be submitted through RTGS as per following details for which RTGS transaction charges (if any) shall be borne by bidder:

- 1 Name of account holder: Gujarat Industries Power Co. Ltd.
- 2 A/c. No.: 33514692834
- 3 Name of Bank: State Bank of India
- 4 Bank address: Utility Building, Nani Naroli, Ta. Mangrol, Dist. Surat. Pin 394110.
- 5 IFSC code: SBIN0013423
- 6 MICR code: 394002513

EMD & Tender fee may also be submitted through online payment gateway of company's website: www.gipcl.com (online Payment Form) as per detail provided in Section-F (Annexure-S) herein under.

OR for EMD

7.2. The EMD, in alternative, may be submitted in the form of irrevocable Bank Guarantee in favor of Gujarat Industries Power Company Limited from any Nationalized Bank, Axis Bank, ICICI Bank, HDFC Bank, Kotak Mahindra Bank, IndusInd Bank, RBL Bank, DCB Bank Federal Bank, Bandhan Bank, Standard Chartered Bank as per Performa of BG enclosed with this e-tender under Section-F.

7.3. In case EMD is paid in the form of BG, the same shall be valid for a period of 180 days after the due date for submission of the bid

7.4. The EMD of the successful bidder will be returned after payment of Security Deposit or submission of performance bank guarantee as required by successful bidder or alternatively EMD will be converted in SD and successful bidder shall submit balance SD or performance bank guarantee.

7.5. The earnest money deposit paid will be refunded to the unsuccessful BIDDER as soon as the tender is finalized.

7.6. Any bid not accompanied with EMD and Tender fee will be rejected. Detail of Tender fee & EMD paid by RTGS/online payment should be submitted as per clause 8.9. EMD in physical form, to be submitted directly to GIPCL as per clause 8.9.

7.7. No interest shall be payable on EMD.

7.8. The EMD will be forfeited if the BIDDER (i) withdraws his tender after acceptance or (ii) withdraws his tender before the validity date of the tender.

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8. SCHEDULE OF EMD & TENDER FEES

Detail of EMD paid by RTGS or EMD in physical form or online, as applicable and detail of Tender fee paid by RTGS / online with other documents to be submitted in physical form or scanned copies through email as per details mentioned in NIT. Bid No. shall be mentioned at the top of Document cover / envelop	Address for Submission: Addl. General Manager (O & M) - SLPP GUJARAT INDUSTRIES POWER CO. LTD., (Surat Lignite Power Plant) Village – Nani Naroli, Taluka – Mangrol District – Surat 394 110, Gujarat Phone : 02629-261063 (10 lines) Fax : (02629) 261073 / 261074 Email ID: sjparmani@gipcl.com
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9. SUBMISSION OF BIDS

Bidders who wish to participate in this tender will have to procure or should have legally valid Digital Certificate (Class III) as per Information Technology Act-2000, using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying Authority of India or can contact (n)code solutions-a division of GNFC Limited, who are licensed Certifying Authority by Government of India at address mentioned below.

Bidder may go through the e-tendering instruction for online Bid participation through n-procure platform for further details and guidance for participation in the tendering process through e-tendering. In case of any queries related to e-tendering system, Bidder may write/contact at following details:

**(n) Code Solutions – A division of GNFC Ltd.
 301, GNFC Info tower, Bodakdev,
 Ahmedabad – 380 054 (India)
 Tel: +91 79 26857316 / 17 / 18
 Fax:+91 79 26857321
 E-mail: nprocure@gnvfc.net
www.tender.nprocure.com
 Toll Free: 1800-233-1010(Ext. 501,512,517)**

Bidder may visit <https://tender.nprocure.com/html/faq.asp> for information regarding e-tendering registration process.

Bid shall be submitted in two parts namely: Technical-cum-Commercial Bid and Price Bid as per following:

A: MODE OF SUBMISSION

The bids shall be submitted online at the nprocure website within the dates specified in the NIT along with the details of tender fees, EMD in two parts as under:

- (a) Pre-qualification and Techno-commercial Bid without price.
- (b) Price Bid.

(a) Pre-qualification and Techno-commercial Bid without price:

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The tender document duly signed in all pages without price bid along with Techno-commercial deviations, if any, shall accompany the bid. The following Information shall be provided in the techno commercial bid:

1. Qualification and experience of site in charge.
2. Schedule of deviation (Annexure-L) Technical as well as commercial, if any.
3. Qualification & experience of Supervisors/Engineers/Coordinators.
4. Annexure-N – Information containing Details of proposal.

The following supporting documents shall also be submitted along with EMD & Tender Fee in physical form:

1. The tender documents dully signed in all pages without price bid along with techno-commercial deviations, if any.
2. Proof of experience meeting the minimum eligibility criteria
3. Performance certificate issued by clients.
4. Previous work order copies.
5. Details of present work order (if any)
6. Turn over for the last three years, audited annual accounts/financial statements i.e. profit and loss account and balance sheet duly certified by a practicing CA will be required.
7. P.F Number and Allotment Letter.
8. PAN Number.
9. GST registration number/certificate copy.
10. To participate in e-Reverse Auction, bidders have to create e-Auction USER ID on <https://auction.nprocure.com> and it is mandatory to submit the same along with physical Technical-Commercial Bid; so that the bidder shall be allowed to participate the e-Reverse Auction.

(b) Price Bid:

Price Bid shall be submitted only in soft form through <https://tender.nprocure.com>

Note: Estimate includes cost of all manpower, equipments, vehicles, Hydra, consumables, tools & tackles, transportation, Safety statutory compliance, mobilization etc..

1. Estimated value is with prevailing GST rate of 18%. However, GST shall be paid at actual as per prevailing rates as declared by Central Government time to time on submission of documentary evidence.
2. **Bidder shall have to quote the rates in the form of %age. i.e. “At Estimated Value OR ____%age above OR ____ %age below the estimated value.”**
3. The quantities shown in the price Bid are approximate for the contract period and may vary as per job requirement.
4. The Bidder shall fill the Bid documents with utmost care in consonance with the instructions contained in the Bid documents.

(b1): E-Reverse Auction after opening of online price bid

- 1) GIPCL reserves the right to opt for e-Reverse Auction for the subject tender at sole discretion of GIPCL.

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- 2) To participate in e-Reverse Auction, bidders should have registered on nProcure's e-Auction Portal: <https://e-auction.nprocure.com> by selecting auctioneer as “Gujarat Industries Power Company Limited”.
- 3) For conducting e-Reverse Auction, lowest 50% out of total eligible Bidders (rounded to the next higher whole number) or at least 03 (three) nos. of eligible bidders L1 to L3 (whichever is higher) will be invited.
- 4) Original L1 price (including GST) will be declared through nProcure's e-Auction Portal: <https://e-auction.nprocure.com> to start e-Reverse auction process and final received lowest auction price in the value by e-Reverse auction process will be the final L1 price.
- 5) Minimum decremental value for the e-Reverse auction will be set by GIPCL prior to start of e-Reverse auction and this will be applicable during each reverse bid hit.
- 6) Duration for the e-Reverse auction will be **60 Minutes** with a provision of extensions for further 15 Minutes at every single reverse bid received during the last 05 minutes, till there is no further reverse bid entry (hit) by the participating Bidders.
- 7) Evaluation of tender will be done on gross total quoted amount with GST.
- 8) After e-Reverse Auction process, final L1 bidder shall be decided on lowest offered rate amongst other bidders during specified e-Reverse Auction process.
- 9) After e-Reverse Auction process, the original rate quoted by the final L1 bidder shall be reduced proportionately based on total % reduction from their original quoted gross price v/s price derived after e-reverse auction, keeping GST percentage (%) rate same as originally quoted by final L1 bidder.
- 10) Prorata reduction will be applied in the quoted rates for all the items of SoR after price discovery through e-Reverse Auction.

B: METHOD OF TENDERING/SIGNATURE ON BIDS

- (i) The Bid must contain the postal address like name, residence and place of business of the person or persons submitting the Bid and must be signed and sealed by the Bidder with his usual signature. The name of all persons signing the documents shall also be typed or printed below the signature on each page.
- (ii) Bid by a joint venture/partnership firm must be furnished with full names of all partners and be signed with the partnership name, followed by the signature and designation of one of the authorised partners or other authorised representative(s). A certified copy of the power of attorney authorizing such partner or representative shall also be submitted.
- (iii) Bids by a Corporation/Company must be signed with the legal name of the Corporation/Company i.e by the President/Managing Director/Secretary or other person or persons authorised to Bid on behalf of such Corporation/Company. A certified copy of the board resolution/power of attorney authorizing such partner or representative shall also be submitted.
- (iv) The Bidder's name stated on the proposal shall be the exact legal name of the firm.
- (v) Erasures or other changes in the Bid Documents shall be initialed by the person signing the Bid.
- (vi) Bids not conforming to the above requirements of signing shall be disqualified.

10. MODIFICATION AND WITHDRAWAL OF BIDS

- a. The Bidder may modify or withdraw the bid prior to the deadline prescribed for submission of bids.
- b. No Bid shall be modified subsequent to the deadline for submission of Bids.

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- c. No Bid shall be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of bid validity.

11. POLICY FOR BIDS UNDER CONSIDERATION

- a. Bid shall be deemed to be under consideration immediately after opening of the bid and till official intimation of award/rejection made by the Company to the Bidders.
- b. While the Bids are under consideration, Bidders and / or their representative or other interested parties are advised to refrain from contacting by any means, the Company. The Engineer, if necessary, will obtain clarifications on the Bids by requesting for such information from any or all the Bidders, in writing as may be necessary. The Bidder will not be permitted to change the price or substance of the Bid after the Bid has been opened.

12. EFFECT AND VALIDITY OF THE BID

- a. The Bid should be kept valid for acceptance for a period of one hundred and eighty (180) calendar days from the last date of submission of Bids.
- b. The submission of any Bid along with the required documents and specifications shall constitute an agreement that the Bidder shall have no cause of action or claim, against the Company for rejection of his Bid. The Company shall always be at liberty to reject or accept any Bid or Bids at his sole discretion and any action will not be called into question and the Bidder shall have no claim in that regard against the GIPCL.

13. OPENING OF BIDS

- 13.1. The GIPCL will open the pre-qualification/Technical Bid/price Bid, as the case may be, in presence of Bidder's representatives whenever such a procedure has been specified. Otherwise the tender will be opened by the authorized officers of GIPCL.

13.2. Preliminary Examination:

- The Company will examine the Bids for any computational errors, for sureties furnished by bidder, for authentication of documents submitted and completeness of the Bids.
- Arithmetical errors will be rectified on the following basis:
 - (a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price will be corrected & will be binding to the bidders
 - (b) If there is a discrepancy between the Total Bid Amount and the sum of total prices, the sum of total prices shall prevail and the Total Bid Amount will be corrected & will be binding to the bidders.

14. EVALUATION & COMPARISON OF BIDS

- 14.1 GIPCL shall evaluate the Bids received and accepted by it to ascertain the lowest evaluated Bid in conformity with the specifications of the tender documents.
- 14.2 The Technical Bids will be examined for minor matters regarding qualification of bids. Subsequent to correspondence with the respective bidders, the decision of Tender Committee will be final.
- 14.3 All responses to requests for clarifications shall be in writing and shall be presented to the Company through e-mail or in a sealed envelope on or before the given date

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requested by the Company. If the Technical clarifications sought by the Company do not reach the Company on or before due date, the Bid will be rejected.

- 14.4 The comparison of all the Bids shall be carried out with reference to the scope of work as per the technical specification. Any deviation/omission shall be evaluated at highest quoted price of the deviation/omission quoted by any of the Bidder. In case a separate price (for omission) is not given by any other Bidder, a reasonable price of the same shall be taken & the same shall be binding to the Bidders.
- 14.5 The commercial deviation, if any, shall be loaded to bring all the Bids at par. The loading shall be carried out at an interest rate of 2% above PLR of SBI.
- 14.6 A Bid to be substantially responsive shall be one which on evaluation confirms to all the terms, conditions and specifications of the Bid documents without any material deviation or reservation.
- 14.7 For the above referred purpose, a ‘material deviation’ shall be one which:
 - (a) Which affects in any substantial way the scope, quality or performance of the contract, or
 - (b) Which limits in any substantial way and in a manner inconsistent with the Bid documents, GIPCL’s right or the Bidder’s obligations, under the contract, or Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

15. RIGHT OF REJECTION OF TENDERS

- 15.1 GIPCL reserves the right to accept or reject any Bid or to cancel the Bidding process and reject all Bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders regarding the same.
- 15.2 Any Tender without EMD and Tender fee will be treated as non-responsive and shall be rejected at the outset & no further correspondence shall be entertained regarding this.
- 15.3 GIPCL reserves the right to debar any Bidder from participation in future Bids if such Bidder has quoted an abnormally low rate in the Bid document/price Bid.
- 15.4 If Bidder or its Partner(s) or Director(s) is/are/was Black Listed / Deregistered / Stopped or banned from dealing in the past by any Govt, of Gujarat Undertakings / Depts. / Authorities and Govt. of Gujarat supported companies / undertakings / organizations, bid of that party will be liable to be rejected. Bidder agrees and undertakes to accept decision of GIPCL in this regards as final and binding on the Bidder without any demur and that no further correspondence shall be done in this regard at any stage. Bidder shall have to submit the “Declaration for Contractual Litigations” as amended in **Annexure-Q** attached.
- 15.5 Bidder shall have to submit the “Declaration cum Undertaking for Safety laws & Regulations Compliance” in **Annexure-P** attached.
 - 15.5.1 If any Fatal Accident / Violation of any safety law(s) / Rule(s) is / are found during the preceding Three (3) years, bid of that party will be liable to be rejected. Bidder agrees and undertakes to accept decision of GIPCL in this regard as final and binding on the Bidder without any demur and that no further correspondence shall be done in this regard at any stage.
 - 15.5.2 If any of the details submitted in the prescribed Annexure / Form to the Bid is/are found to be false, incorrect at any time in future, then the Contract awarded to that Bidder / Contractor shall be liable to be terminated forthwith ~~without any~~

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notice / correspondence and Bidder agrees and undertakes to accept decision of GIPCL in this regards as final and binding on the Bidder without any demur and that no further correspondence shall be done in this regard at any stage. Further, Performance / Security Deposit will also be liable to be forfeited. Any dues to GIPCL from the Bidder / Contractor shall be recovered from the pending bills or any other dues payable to the Bidder / Contractor, if any or otherwise through any other recourse available under the Laws.

15.6 Contractor shall have to submit satisfactory work completion/execution certificate from the client including ongoing/existing contracts.

16. AWARD OF CONTRACT

16.1 GIPCL will award the contract to that bidder whose quotation has been determined to be substantially responsive and evaluated as the lowest quotation (After E-reverse auction) in conformity with the requirements of the specifications and documents contained herein, provided further that the bidder is determined and evaluated to be qualified to perform the contract satisfactorily.

16.2 The successful bidder shall be intimated of his selection through the Letter of Intent or Letter of Award/ Work Order which shall be sent to him through e-mail, courier, fax or registered mail.

17. CONTRACT PERIOD

17.1 The contract will be for a period of 2 years (24 Months) from the date of actual commencement of operation of the contract as stated in the Work Order ('Contract Period').

17.2 GIPCL reserves the right to extend the Contract Period up to 3 months on the applicable rate of second year and same terms and conditions without any price escalation and entering into any new contract. In case of extension bidder has to provide uniform and safety shoe to eligible workman. In that case GIPCL will reimburse the cost of stitched uniform & Safety shoes issued to the workmen on prorata basis. Currently it is Rs. 2750/ 3 pairs of stitched uniform, Rs. 845 /Pair of safety shoe.

17.3 The said Contract Period can be extended if mutually agreed upon by both the parties up to one year and in such a case a revised work order shall be issued at the same rates and terms & condition or at negotiated rates acceptable by both parties i.e. the Company & the Contractor.

17.4 GIPCL reserves the right to short clause the contract with one month notice period. In that case GIPCL will reimburse the cost of stitched uniform, Safety shoes & Helmet issued to the workmen on prorata basis. Currently it is Rs. 2750/ 3 pairs of uniform, Rs. 845 /Pair of safety shoe and Rs. 150/Helmet.

18. CONTRACT SECURITY DEPOSIT/ PERFORMANCE BANK GUARANTEE

As a Contract Security, the successful Bidder, to whom the work is awarded, shall be required to furnish a Performance Bank Guarantee (PBG)/Contract security deposit in favour of Gujarat Industries Power Company Limited for guarantee amount at ten percent (**10%**) of the “Annual Contract Price (without GST)” from any Nationalized Bank, Axis Bank, ICICI Bank, HDFC Bank, Kotak Mahindra Bank, IndusInd Bank, RBL Bank, DCB Bank Federal Bank, Bandhan Bank, Standard Chartered Bank only in the format attached in **SECTION-F (Annexure-E)**, and it shall guarantee the faithful performance of the 'Contract' in

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accordance with the terms and conditions specified in these documents and specifications. Contract security deposit shall be submitted strictly within twenty-one days from the date of Lol or work order, whichever is earlier. The guarantee shall be valid up to defect liability period of twelve months from the contract completion date. The Guarantee amount shall be payable to the Company in Bidder's home currency without any condition whatsoever.

The Performance Bank Guarantee (initial security deposit) will be returned to the Vendor/Contractor without any interest at the end of the 'Defect Liability Period' after completion of contract and on fulfilling contractual obligations throughout this period. However, any delay in submission of initial SD will result in equivalent late release of entire SD after guarantee period.

19. ASSIGNMENT AND SUB-LETTING

The Contractor shall not directly or indirectly assign or sub-let total/any part of the contract to any other party or agency.

20. CONTRACTOR'S OBLIGATIONS

A: DEPLOYMENT & RESPONSIBILITY OF MANPOWER

- (i) The Contractor shall deploy suitably qualified and sufficient manpower for timely & satisfactorily execution of the works under the contract.
- (ii) The Contractor shall deploy sufficient skilled, Semi-skilled and Un-skilled manpower like Coordinator/Supervisor, Stacker reclaim operator, MCC operator, Limestone mill operator, Mill wright fitter, Fabrication fitter, equipment technician, helper, rigger, welders, cutter, electrician, store keeper etc. to properly complete the job in given time.
- (iii) The Contractor shall depute its own workmen/labor with proper identification to enter the plant premises after ensuring that the jobs are scheduled.
- (iv) The Contractor shall appoint a operation in charge and mechanical maintenance in charge who shall co-ordinate with GIPCL's Engineer In charge for daily activities.
- (v) During working in high risk area like electrical MCCs / oil/Lignite the workman must wear a suitable safety apron, safety hand gloves and goggles. It is the contractor's supervisor's responsibility to ensure it without fail.
- (vi) During unit overhauling/shutdown jobs, the contractor has to enhance the site manpower as per the requirement to ensure the timely completion of work (During overhauling period quantum of maintenance work increases substantially). For this, enhanced work shall be completed by deploying additional manpower with separate supervisor. Payment will be made on job rate basis only. The work during the overhauling period is to be carried out round the clock. Contractor should mobilise sufficient number of manpower and execute the work in two shifts with independent manpower. Contractor should not continue the same manpower more than 12 hours.
- (vii) At the time of deploying manpower, the Contractor shall strictly comply all the applicable labor laws/Acts norms including but not restricted to the age of the workers, women workers and shall also ensure that a police verification and security check for all the workmen/labor engaged at the GIPCL site is done and necessary documents regarding the same shall be submitted to the GIPCL's authorized representative/officer-in-charge. Any default in complying with the same or any misrepresentation regarding compliance of the same shall compel GIPCL to initiate appropriate civil or criminal proceedings regarding the same.
- (viii) The Contractor shall also comply with the safety requirements and provide his workmen/labor with safety equipment like helmets (make and model mentioned in

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table below), masks, gum boots, three pair of stitched uniform every year and other necessary PPEs for properly undertaking the operations involved under this contract. Following are also to be issued:

- a) Safety shoes
- b) Goggles / face shield.
- c) Ear plug / Ear muff.
- d) Hand gloves like electrical hand gloves / cotton hand gloves / Chemical hand gloves
- Make & Model for Safety Helmet
- **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 - Shelmet	Karam	

➤ **Safety shoes :**

Sr No.	Model	Company	Specifications
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	

- (ix) Contractor shall nominate /authorize senior experienced person in writing as site in charge for H & M package as well as Housekeeping Package to co-ordinate with GIPCL engineer and who shall bear overall responsibility for performance of the contract. Such person shall remain always available at site or site office allotted to the contractor at SLPP site. Contractor has to submit the authority letter and documentary proof for the same.
- (x) The Contractor shall appoint a supervisor who shall co-ordinate with GIPCL's Engineer In - Charge for daily entrusted job. They have to maintain daily records duly signed for the works carried out and duly certified by Engineer-In-Charge. The Contractor in co-ordination with the Engineer-In-Charge shall ensure the availability of adequate manpower to carry out the job satisfactorily on a daily basis. As per the instruction of Engineer-In-Charge they have to allot the work and execute the same in specified time limit.
- (xi) During execution of the works, one or more jobs may be required to be done simultaneously and the Contractor shall mobilize additional resources accordingly.
- (xii) During emergency or similar situations the Contractor shall be required to mobilize resources as per need within the period of 04 hours as directed by GIPCL. If the contractor fails to mobilize sufficient manpower to complete the job in time, GIPCL will execute the job through other agency at the risk and cost of the contractor with 15% supervision charges& the same will be recovered from the Contractor's bill.
- (xiii) **Important Note: Whenever any of the Unit at SLPP remains under outage due to any reason, the contractor shall mobilize sufficient work force at site within a period of four hours from the time of intimation to the site-in-charge or via mail to your office. Generation loss occurred due to want of manpower as well**

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as resources will be viewed very seriously and will invite appropriate punitive measures as decided by competent authority.

- (xiv) During working in high risk area like hot lines of steam/ water/ oil the workman must wear a suitable safety apron, safety belt, safety hand gloves and goggles. It is the contractor's/contractor's supervisor's responsibility to ensure it without fail.
- (xv) During unit overhauling, the contractor has to enhance the site manpower as per the requirement to ensure the timely completion of work (During overhauling period quantum of work increases substantially). For this, enhanced work shall be completed by deploying additional manpower with separate supervisor. Payment will be made on item rate basis only. The work during the overhauling period is to be carried out round the clock. Contractor should mobilize sufficient number of manpower and execute the work in all shifts with independent manpower. Contractor should not continue the same manpower for more than 12 hours.
- (xvi) Site In charge should be separate for Handling-Maintenance & Housekeeping work.

B: TOOLS & TACKLES:

All tools and tackles required to execute the contract are in the scope of the contractor. The contractor should ensure that tools and tackles are in healthy & working condition. All consumable items would be in the scope of the contractor.

Note: If work is suffered due to want of sufficient manpower, tools & tackles, vehicles, equipments and/or required consumables then 25% of the total job cost will be levied as a penalty for each and every instance.

- (i) For proper execution of the work as per the scope, the contractor is required to maintain sufficient quantity of tools & tackles in good working condition at site as per day to day work load and emergency situations to complete the work in stipulated time. Minimum Tools should be available at site at any point of time as mentioned in Annexure-J
Note: the welding electrode should be approved make i.e. Advani, Oerlikon, ESAB, D&H, L&T.
- (ii) In case of breakdown of equipment, the contractor should work round the clock for putting back the area in service immediately within minimum time. In case of any emergency arising during night hours the contractor should be in a position to mobilize the manpower immediately within minimum time.
- (iii) Arrangement for lighting at the work spot has to be made by the contractor. He has to arrange all lighting equipment such as power cable, hand lamps. The contractor has to take prior approval for taking electrical power supply. The contractor should keep hand lamps of 24Volt for confined space and sufficient quantity of 240 Volt and halogen lamp for other area ensuring safety at work place
- (iv) Pin sockets of IS standards should be used for all connections. For any accident take place & any damage to the equipment and/or injury to human due to carelessness in loose connection, contractors will be held responsible & liable for any recovery/actions.
- (v) All tools and tackles to execute the contract are in the scope of the contractor. The contractor should ensure that tools are in healthy condition. All consumable items i.e. cotton waste, kerosene oil, Oxygen gas, DA gas, Diesel, welding electrode, grinding wheel, cutting wheel, Paint, Thinner, primer, painting brush, emery paper etc. would be in the scope of the contractor. Minimum stock of the consumables should be available at the site as mentioned in the Annexure 'J' at any point of time.
- (vi) For proper maintenance of the plant, the contractor is required to maintain a list of tools & tackles in good working condition at site. The tentative list of such tools &

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tackles is enclosed as ANNEXURE-J. The contractor should note that this list is not exhaustive and if any additional tools and tackles are required for proper performance of the contract, the same shall also be arranged by the contractor immediately with no extra cost to GIPCL. If same is available with GIPCL than same can be provided with hire charges as follows.

i) Lifting tackles	: Rs. 1000.00 per day
ii) Welding machine	: Rs. 1000.00 per day
iii) Hyd. Jack/Mech. Jack	: Rs. 1000.00 per day
iv) Small tools	: Rs. 250.00 per day
v) Light fixtures /hand lamp	: Rs. 250.00 per 8 Hours
vi) Blower/ hot blower	: Rs. 200 per day.
vii) Drilling machine	: Rs. 200 per day.

- (vii) Provision of scaffolding material for maintenance work will be in the scope of the contractor. The scaffolding shall be with pipe and clamps, metallic jallies.
- (viii) The Contractor shall be required to shift spares, lubricant etc. in required quantity duly approved by GIPCL's Engineer-in-Charge whenever necessary from GIPCL store/ warehouse to site or site store as per the instructions of Engineer-in-charge. Contractor shall be required to arrange transportation for above. The cost of transportation will be on contractor's account. The contractor shall be responsible for safe transportation, handling and storage. If equipment fails due to improper lubrication or intermixing the cost of such damages shall be recovered from contractor's bills. It is the responsibility of contractor to keep various lubricants separately to avoid intermixing. The failure /defects of equipment due to improper method of maintenance, equipment assembly due to contractor negligence, and the losses will be recovered from contractor's bills.
- (ix) In case of breakdown of equipment, the contractor should work round the clock for putting back the equipment in service immediately within minimum time. In case of any emergency arising during night hours the contractor should be in a position to mobilize the manpower immediately within minimum time.
- (x) Arrangement for lighting at the work spot has to be made by the contractor. He has to arrange all lighting equipment such as power cable, hand lamps. The contractor has to take prior approval for taking electrical power supply. The contractor should keep hand lamps of 24Volt, 240 Volt and sufficient quantity of halogen lamp.
- (xi) Electrician/supervisor should ensure that the cable connection is not in loose condition, which may cause any damage or failure to the machine/manpower. Pin sockets of IS standards should be used for all connections.
- (xii) All new replacements whether spare parts or any other, shall be inspected and approved by GIPCL Engineer in charge before It is actually put to use. It shall be the supervisor's responsibility to ensure this without failure.
- (xiii) The Contractor must ensure that all the generated scrap, cotton waste, waste oil, tools and tackles are removed from the site immediately and he must ensure cleaning of the site. Further, these items should be disposed off to the scrap yard or any other designated place as instructed by Engineer In Charge. In case of heavy weight items, if required transportation may be arranged by the GIPCL at the discretion of the engineer in charge. If the scrap removal is not done within the stipulated time given by GIPCL Engineer, the scrap will be removed by GIPCL at the Contractor's cost with penalty and it will be deducted in the RA bill.

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- (xiv) Hazardous waste like waste oil and oil/grease soaked cotton waste oil to be collected in separate container and then shift to the designated area as per the instruction of engineer in charge.
- (xv) It is the responsibility of site in charge to segregate and remove the scrap from site. Work will be certified by GIPCL engineer only after removal of scrap to the scrap yard.

21. Clarification of Bidding Documents

If any Bidder requires any further information or clarification in the Bidding Documents, may notify the Company before one week of last date of submission of online Bid, in writing or by E-mail at the GIPCL's mailing address sjparmani@gipcl.com as indicated in the 'Invitation to Bids'. The GIPCL's response (including an explanation of the query) will be sent in writing or by E-mail to all prospective Bidders who have received the Bidding Documents.

22. TIME SCHEDULE

The basic considerations and the essence of the 'Contract' shall be the strict adherence to the time schedule for performing the specified 'Works'.

23. UNDERSTANDING AND CLARIFICATION ON DOCUMENTS AND SPECIFICATION

The Bidder is required to carefully examine the specifications and documents, all the conditions and matters work wise & cost wise. If any Bidder finds any discrepancies or omissions in the specifications and documents or is in doubt for any meaning of any part, he shall request in writing for an interpretation/ clarification to the GIPCL or during Plant visit. All such interpretations and clarifications shall form a part of the Bid documents.

24. PAYMENTS

All the payments against the work order shall be in Indian currency and payable through cheque/RTGS only.

25. POINTS TO BE CONSIDERED DURING QUOTING ONLINE PRICE BID

- a. The schedule of rates shall be read in conjunction with Instructions to Bidders, General conditions of contract, Special conditions of contract and Technical specifications.
- b. The quantities given in the schedule of rates are estimated and will be made as per actual work carried out as per the rates of work order.
- c. The method of measurement of completed work for payment shall be in accordance with the method of measurement specified in the price bid.
- d. No separate amount shall be payable for use of auxiliary equipment incidental to or in day to day operation in the course of fulfillment of contractual obligation of the supplier.

Note: Interested bidders are requested to submit the online tender at least two days in advance from the due date set for on line submission of bid in order to avoid non-participation of e-tender due to probable technical problem in e-tender system.

26. QUANTITIES

The quantities specified are estimated and for tendering purpose only. Payment will be made, based on actual work done as certified by Engineer-in-charge of GIPCL.

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Quantities of individual items may be revised during the course of contract period based on site requirement. Contractor shall not be entitled for any compensation on ground of such alteration in scope of work. GIPCL reserves the right to operate or increase/decrease quantities in each item or omit any item included in Schedule of Quantity at his discretion. Contractor shall have no claim, whatsoever, on grounds of loss of anticipated profit etc. on account of the same.

After commencement of the work, GIPCL, for any reason may not require to be carried out the whole/part of the work as specified in the tender, the ENGINEER-in-charge shall inform the fact for thereof to the CONTRACTOR and contractor shall have no claim for any payment or compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the full amount of the work not having been carried out nor shall he have any claim for compensation by reason of any change having been made in the original specifications and instructions which shall involve any curtailment of the work as originally contemplated.

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SECTION-B

INSTRUCTIONS TO BIDDERS FOR ONLINE TENDERING

- 1 Tender documents are available only in electronic format which Bidders can download free of cost from the website: <https://tender.nprocure.com> and <https://gipcl.nprocure.com> up to date & time mentioned in NIT.
- 2 All bids (technical and price bid) should be submitted online through the website <https://gipcl.nprocure.com> or <https://tender.nprocure.com> only. No physical submission of price and technical bid will be entertained as it should be furnished on-line only. Also no fax, e-mail, letters will be entertained for the same.
- 3 Following should be submitted 'off-line' in sealed covers separately at Village Nani Naroli, Taluka Mangrol, Dist.Surat-394 110, Gujarat up to the period specified in NIT
[1] E.M.D. & Tender fee [2] Supporting Documents for Technical Bid.
- 4 Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate (Class III) as per Information Technology Act-2000, using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying Authority of India or can contact (n)code solutions- a division of GNFC Limited, who are licensed Certifying Authority by Government of India at address mentioned below at clause 5.
- 5 All bids should be digitally signed. The bidders are required to contact at the below mentioned address for detailed training on on-line tendering.
(n) Code Solutions - A division of GNFC Ltd.
402, GNFC Info tower, Bodakdev,
Ahmedabad – 380 054 (India)
Tel: +91 26857316 / 17 / 18
Fax: +91 79 26857321
E-mail: nprocure@gnvfc.net
<https://tender.nprocure.com>
Toll Free: 1800-233-1010(Ext. 501,512,517)
- 6 Kindly note that, valid Digital Signature Certificates is must for all the interested bidders. Online tendering process is not possible without valid digital signature certificate.
- 7 Interested bidders are also requested to complete their procedure for taking digital signature certificate in respect of filling of application form, supporting documents with necessary fees at least 3 days before last date of tender submission.
- 8 (n)code solutions reserves the rights to issue digital signature certificate after verification of application forms / supporting documents submitted by bidder.
(n)code solutions is fully authorized to issue digital signature certificate to bidders.
- 9 All the bidders who have no facility to participate in on-line tenders are requested to contact (n)code solutions for the same.
- 10 Free vendor training camp will be organized every Saturday between 4.00 to 5.00P.M. at (n) code solutions-A Division of GNFC Ltd., Bidders are requested to take benefit of the same (Advance Confirmation to (n) code is requested).

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- 11 All the correspondence in respect of training, support or digital signature certificate should be addressed to (n)code solutions directly on the above mentioned address.

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SECTION-C

GENERAL CONDITIONS OF CONTRACT

1. RECOVERY CLAUSE

- (i) In case of any damage of equipment/machinery due to negligence of contractor or any other reasons attributed to contractor the decision of Engineer-in-charge regarding the amount of recovery shall be final and binding subject to a maximum of 10% of contract value. Recovery will be affected from the monthly bills and/or retention money/security deposit.
- (ii) If the contractor fails to execute the work as per directions of Engineer (I/c) within the time frame given in work order and as per day to day instructions by Engineer-in-charge, GIPCL shall get the work done by third party at the risk & cost of the contractor with 15% additional overhead charges of GIPCL.

2. DEDUCTIONS FROM CONTRACT PRICE

All costs, charges or expenses that GIPCL may have paid, for which, under the contract the contractor is liable, shall be recovered by the GIPCL. The contractor shall pay all such claims within 15 days of claim failing which the same shall be deducted from the bills of contractor.

3. TERMINATION OF CONTRACT BY GIPCL

Contractor shall be responsible to complete the jobs within agreed time schedule and in case contractor fail to complete the job, GIPCL shall recover from his bill, Security Deposit and / or whatsoever for expenses incurred to complete the job with additional 15% overhead charges.

In case if contractor's services are not found satisfactory with respect to mobilization, time bound completion of work, workmanship & safety (OHSAS policy of GIPCL) then GIPCL has right to terminate the contract at any time by giving him 15 days advance notice without assigning any reason and will make the alternate arrangement at the risk & cost of contractor.

GIPCL may terminate the contract after due recoveries of pending jobs/damages after giving 15 days advance notice to the contractor if any of the following events occur –

- i. Contractor is adjudged as insolvent.
- ii. Contractor has abandoned the contract.
- iii. Contractor fails to proceed with the work with due diligence as per requirements of the contract.
- iv. Contractor has neglected or failed persistently to observe or perform any of the acts, matters or things, which as per the contract are to be observed and performed by the contractor.
- v. Contractor repetitively violating the safety norms for more than three incidents.
- vi. Any major contradiction of applicable labour laws.
- vii. Any major deviations from contractual terms and conditions including quality of job.

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4. FAILURE & TERMINATION

If the CONTRACTOR after receipt of written notice from the GIPCL/ ENGINEER requiring compliance, with such further drawings and / or the GIPCL /ENGINEER instructions fails within seven days to comply with the same, the GIPCL /ENGINEER may employ and pay other agencies to execute any such work whatsoever as may be necessary to give effect thereto and all costs incurred in connection therewith shall be recoverable from the CONTRACTOR by the GIPCL on a certificate by the GIPCL/ENGINEER as a debt or may be deducted by him from any money due or to become due to the CONTRACTOR.

If the contractor fails to execute the work or fails to mobilize the resources and equipments as per directions of GIPCL / ENGINEER within the time frame given and/or violating the GIPCL's safety rules & regulations, ENGINEER/ GIPCL shall get the work done by third party at the risk & cost of the CONTRACTOR with additional 15% overhead charges of GIPCL and all costs incurred in connection therewith shall be recoverable from the CONTRACTOR by the GIPCL /ENGINEER as a debt or may be deducted by him from any money due or to become due to the CONTRACTOR.

In case if contractor's services are not found satisfactory with respect to mobilization, timebound material evacuation, workmanship & safety (OHSAS policy of GIPCL) then GIPCL has rights to terminate the contract at any time by giving you 15 days advance notice without assigning any reason and will make the alternate arrangement at cost and risk of the Contractor.

5. SETTLEMENT OF DISPUTES

- a. Any disputes or difference of opinion between parties arising out of the contract to the extent possible shall be settled amicably between the parties. If amicable settlement cannot be reached all the disputed issues shall be resolved through arbitration before a Sole Arbitrator appointed by Managing Director, GIPCL according to the provisions of The Arbitration & Conciliation Act, 1996. The place of arbitration shall be at Surat/Vadodara or any other place within state of Gujarat as may be mutually agreed by the parties in consultation with the tribunal.
- b. In appointment of the Sole Arbitrator, if the dispute claim is up to a sum of Rs. 25/- Lac, a person having a position equivalent to a Retired District Judge shall be appointed; for the claim higher than Rs. 25/- Lac and up to Rs. 100/- Lac, the same shall be referred to a Retired High Court Judge and for a claim exceeding Rs. 100/- Lac, the same shall be referred to a Retired Supreme Court Judge.
- c. Work under the contract shall be continued by the contractor during arbitration proceedings unless GIPCL shall order suspension thereof or any part thereof in writing or unless the matter in such work cannot possibly be continued unless the decision of the Arbitration proceedings is obtained.

6. INTERPRETATION OF CLAUSE

In case of disputes as regards interpretation of any of the clauses or specification, the decision of HoM (SLPP) - GIPCL will be final and binding on the contractor.

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7. EMPLOYEE’S COMPENSATION INSURANCE

Contractor shall take all risk Insurance Policy to cover all his workmen/employees, staff applicable under the Employee Compensation Act 1923 or any amendment thereof as also insurance cover for third party liability. The contractor shall keep the GIPCL indemnified from all liabilities arising out of his action in pursuance of this contract. The E. C. Policy should be obtained from Surat Jurisdiction and shall be assigned to GIPCL. EC policy should cover the specified contract period.

Contractor shall also obtain additional off-duty coverage insurance policy for all his workers as per clause no. 35 herein under.

8. STATUTORY REQUIREMENTS

a. COMPLIANCE OF LABOUR LAWS

The contractor shall at his own cost comply with the provision of labor 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.

1. Contractor shall be solely responsible and shall fully comply with all the provisions of all the labor 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, Employees Compensation Act 1923, Payment of Gratuity 1972, Interstate Migrant Employees Act 1979, Equal Remuneration Act with Rules, Order and Notifications issued/made there under from time to time.
2. All other Acts, Rules/Bye-Laws, Orders, Notifications etc. present or future applicable to the contractor from time to time for performing the contract job.
 - 2.1 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.
 - 2.2 The contractor shall have a valid license obtained from Licensing Authority under the Contract Labor (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.
 - 2.3 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.

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- 2.4 The Contractor shall maintain all records/registers required to be maintained by him under various labor laws mentioned above and produce the same before the Statutory Authorities whenever required.
- 2.5 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.
- 2.6 The Contractor shall not pay less than the Minimum Wages notified by the Government from time to time to his employees of corresponding categories.
- 2.7 The Contractor shall be responsible for payment of overtime wages to his Employees, if any, in case they are required to work beyond the prescribed hours under law as per applicable rates.
- 2.8 The contractor shall take Employees 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.
- 2.9 The Contractor shall in the event any of his Employees / 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 Employees’s Compensation Act, 1923.
- 2.10 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.
- 2.11 The Contractor shall not engage / employ persons below the age of 18 years. Employment of women shall be strictly according to applicable laws.
- 2.12 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 Employees or the heirs of Employees 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 labor laws or for compensation under the Employees’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.
- 2.13 The contractor shall make payment of wages to his employees on or before 6th every month. (fixed date within the period specified under the applicable Law), in presence of representative of the company. He will submit above with ECR a true copy of wage sheet, attendance register and P.F. remitted challans on monthly basis to HR&A dept. for verification and record.
- 2.14 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.
- 2.15 The contractor shall conduct pre-induction and periodic/Annual medical checkup of his Employees as per applicable laws and as per GIPCL guideline.

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- 2.16 The contractor shall be solely responsible for any accident caused to his workers and should adhere to all rules / regulations as per labor laws of Government and other statutory laws as applicable.
- 2.17 The contractor should register himself under the Contract Labor 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 Labor 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.
- 2.18 Contractor shall have to insure his Employees /supervisors etc. under Group Insurance scheme.
- 2.19 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 Labor 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.
- 2.20 Documentary evidence of deposit of PF paid shall have to be produced by the contractor along with the next bill.
- 2.21 Records as per the provisions of various statutory Acts will have to be maintained by the contractor and submitted as and when required.
- 2.22 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.
- 2.23 The contractor shall conduct pre-employment medical check-up and periodic medical check-up of his Employees employed by him as per applicable laws and schedule prepare by HRA department
- 2.24 The contractor has to pay wage to the workman not less than the category (Skill, Semi-skilled, Unskilled) for which workmen is actually deployed.
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.

b. LEGAL ASPECTS

1. Contractor shall maintain all register required under the Labour Laws and make the payment as per the Minimum Wages Act through their saving bank account 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.

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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.

9. 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, Labor 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. Payment of wages to all the workmen to be done on or before 7th of respective month without fail.

10. 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.

11. LIGHTING

General area lighting will be provided by GIPCL. However, work area specific lighting should be arranged by contractor.

12. NIGHT/SUNDAY/HOLIDAY SHIFT

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

13. 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.

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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 Deptt. Safety Deptt. 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 Deptt. Security Deptt. will inform to Safety Deptt., 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 equipments available with him to safety Deptt. Safety Deptt 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 equipments is not satisfactory, contractor will not be allowed to carry out the work using such safety gears inside the Plant for the work.

14. 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 & Mines premises and the Contractor shall brief them regarding the same and use of the Personal Protective Equipment ('PPE').
3. he 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 wears the protective equipments at all times during the work operation. Brand name for safety shoe & safety helmet shall be suggested by safety representative of SLPP site.

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 - Shelmet	Karam	

Safety shoes :

Sr No.	Model	Company	Specifications
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

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shoes will be issued every year. As per current prevailing practice Safety shoe is being issued in the Month of April. So, at the start / end of contract cost of safety shoe will be reimbursed / recovered from contractor on pro rata basis. 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 register 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 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 one Safety Officer 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. After mobilization of any tools & tackles to site, which includes chain pulley blocks, D shackles, wire ropes, winch machines, Mobile crane, Hydra 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.
12. When working at height, working on ceiling or roof covered with fragile materials, full body harness safety belt, ladders and crawling boards 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.
13. Flash back arrestors made of reputed manufacturer shall be provided on cutting torch, 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.
14. All vehicles shall be operated by licensed drivers only. All vehicles' PUC to be tested as per Government approved RTO guidelines. All Vehicles must be parked in Parking space designated by GIPCL. If any vehicle is found inside the plant premises other than the

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- parking area such vehicles shall be handed over to Security dept. and their entry shall be cancelled for movement inside the plant premises with immediate effect.
15. All electrical equipment shall be in good condition and free from any defect. Electrical tools & equipments i.e. welding machine, grinding and drill machine etc. may be checked by the electrical engineer of the contractors regularly, every six month at least and report to be submitted to concerned HOD and safety depts.
 16. During hot work, contractor will use fire curtains like asbestos sheets or 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 / RCCB shall be provided with rating of 9-30 milli ampere on welding machine and all portable power tools.
 17. 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.
 18. No loose connection / joints allowed in electrical cables during performance of any kind of job.
 19. Safety shoes to be issued to female employees also.
 20. All the vehicles shall be fit as per RTO guidelines and valid fitness certificate is required as per RTO guidelines.
 21. 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.
 22. The Contractor shall comply all the new requirements related with safety as informed b the HOD / Safety department from time to time.
 23. 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 work - workout plug top/improper electrical joints/cables lying on ground, electrical equipment working without proper earthing, machine being used without machine guard, Welding	

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		machine without ELCB / RCCB of proper rating, Gas cylinder without test certificate, Cylinder cap, NRV / Flash back arrester, Cylinder trolley etc.	Rs. 500 /- per instant.
		Unsafe working practices at height more than 3 meters	After three incidence, Per incidence Rs. 2500/-
		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..	Continuous unsafe acts will disqualify the contractor from further participation in tender of GIPCL-SLPP.
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.

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

➤ **Electrical safety**

- 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.
- Bidder should ensure periodic checking of ELCB provided in their electrical apparatus.
- 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
- 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
- Any type of cable brought by Bidder should not have any joint and should be of sufficient capacity for the respective job.
- 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.
- 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.

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- Hand-held and portable machines shall be equipped with a built-in switch to switch off power in case of emergency.
- 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.
- 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.
- Only three-core cable shall be used for single phase operated tools with the third core connected to earth.
- 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.
- All cables and connections should be sound and of adequate capacity and properly insulated while using any welding machine and other power connections.
- The earthing arrangements should be properly made with earthing clamps or a bolted terminal while using any welding machine
- 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
- 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
- GIPCL will provide either single phase OR 3-phase 3 wire power supply from the nearby point at job site. Bidder to supply the required cable between GIPCL power supply point to equipment brought by Bidder for the specified job. Further, if Bidder's equipment requires 3-ph 4 wire supply then they should derive 3-ph 4 wire supply from GIPCL 3-ph 3 wire supply system by incorporating sufficient capacity transformer. Like for hydro jet cleaning system, mixer machine, induction heating machine, SR machine etc., GIPCL will provide 3-ph 3 wire power supply.
- Cable between welding machine to GIPCL power supply point should have cable TOP plug towards GIPCL power supply point of Make BALS having rating as 63 Amp.
- 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.

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

15. 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.

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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.

16. GENERAL TERMS AND CONDITIONS:

- a. All types of material handling/transportation within the plant premises, tools & tackles, labours, equipments, vehicles, tractors, etc... to execute the contract are in the scope of the contractor. The contractor should ensure that tools & equipments are in healthy condition.
- b. All the heavy equipments like Hydra, JCB, trailer etc. will be in the scope of the contractor. The contractor should ensure that the above equipments are in healthy condition. In case of Work suffer/Emergency situation and contractor failed to arrange the above, in that case GIPCL may provide the above said equipments on chargeable basis if available. However, such cases should remain exceptional.
- c. 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.
- d. If the work is not found satisfactory, Engineer-in-charge reserves the right to take suitable action.
- e. Contractor shall also nominate one 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
- 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 labor license and PF account number to the Engineer-in-charge before start the work.
- h. The contractor has to do the job timely. 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 10% overhead charges.
- 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 10% overhead charges.
- j. Contractor should mobilize all resources for efficient & smooth execution of contract within seven days from the date of issue of Letter of Intent/Work Order.
- k. The prices / item rates quoted shall remain firm till completion of the contract and any agreed extensions thereafter and shall not be subject to any escalation, idle charges for labor, 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.
- l. Contractor must fulfill all the safety regulations and to take safety measures to avoid hazards. Contractor shall arrange all standard adequate healthy safety PPEs for the work.

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limited to approved quality safety shoes& safety helmets, standard dust masks, safety goggles, 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 clause no.14**) and/or termination of contract.

- m. One or more jobs may be required to be done simultaneously and contractor shall mobilize additional resources accordingly.
- n. 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.
- o. 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.
- p. The contractor has to submit daily reports showing work carried out with details of available manpower, tractors etc.
- q. Any job other than the listed jobs in work order shall be executed by the contractor on instruction from GIPCL and payment shall be made to the contractor on respective item rate only.
- r. The Government of India has enacted the Micro, Small and Medium Enterprises Development Act, 2006 (the “Act”) and the Act has come into force from October 2, 2006. The Bidder shall confirm whether your organization is registered under the Micro, Small and Medium Enterprises Development Act, 2006. If your organization is registered under the Act, please specify the category i.e., Micro Enterprise, Small Enterprise or Medium Enterprise under which it is registered and kindly attach a copy of your registration certificate.
- s. The Bidder shall provide details of registration along with copy of the registration certificate issued by the District Industries Centre/Department of Industries, etc of the respective State Government. It is to be noted that large scale industries and trading firms have been excluded from the purview of the Act.
- t. GIPCL is an ISO 9001, ISO 14001, OHSAS 18001 & ISO 50001:2011 (EnMS) certified company, and GIPCL gives extreme importance to maintain these global standards. Contractor shall be required to observe these standards while working with GIPCL. Contractor should ensure that his workmen/labour work in accordance with them.

17. CONTRACTOR’S SUPERVISION

The contractor shall, during the whole time the work is in progress, employ a qualified experienced site-in-charges (Separate for Handling & Maintenance Package and Housekeeping Package) of the works with adequate experience in handling of jobs of this nature and with the prior approval of the GIPCL / ENGINEER. Such in-charge shall be constantly in attendance at the site during working hours. During CONTRACTOR’S supervisory engineer absence during working hours, if unavoidable, and also beyond working hours, when it may be necessary to give directions, orders may be given by the ENGINEER / GIPCL and shall be received and obeyed by the CONTRACTOR’S superintendent or Foreman who may have charge of the particular part of the work in reference to which orders are given. If requested to do so, the ENGINEER /GIPCL shall confirm such orders in writing. Any directions, instructions or notices given by the ENGINEER / GIPCL to him, shall be deemed to have been given to the CONTRACTOR.

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The representative of the CONTRACTOR shall have all necessary powers to receive materials from the GIPCL, issue valid receipts for the same, engage labour or purchase materials and proceed with the work as required for speedy execution.

None of the CONTRACTOR'S Superintendents, engineers, supervisors or labour should be withdrawn from the work without due notice being given to the GIPCL / ENGINEER; further no such withdrawals shall be made if in the opinion of the GIPCL / ENGINEER such withdrawals will jeopardize the required pace of progress / successful completion of the work.

The CONTRACTOR shall employ in or about execution of the work only such persons as area careful, skilled and experienced in their respective trades, and the GIPCL shall be at liberty to object to and require the CONTRACTOR to remove any person employed by the CONTRACTOR in or about execution of works who in the opinion of the ENGINEER misconducts himself or is incompetent or negligent in the proper performance of his duties and all such persons shall not again be employed upon the works without the prior permission of the GIPCL.

Neither the CONTRACTOR and the PURCHASER nor the ENGINEER shall hire or employ any employee of the other party except by mutual consent.

18. CONTRACTOR TO REMOVE ALL OFFENSIVE MATTER IMMEDIATELY AND CLEAN-UP.

All loose materials, wastage, packing materials, cut pieces or other matter of an offensive nature shall not be deposited on the surface, but shall at once be carted away by the CONTRACTOR to some pit or place provided by him away from the site of work and approved by local authorities.

As a part of the work included in this contract, the CONTRACTOR shall completely remove and satisfactorily dispose of all temporary works to the extent directed. He shall tear down and dispose of all temporary works, shall remove or grade, to the extent directed, all plant and equipment, shall satisfactorily dispose off all rubbish resulting from the operations under this contract and shall do all work necessary to restore the territory embraced within the site of his operations to at least as good order and conditions as at the beginning of the work under this contract.

19. FACILITIES TO BE PROVIDED BY GIPCL

- A.** The Company shall provide the following facilities to the Contractor at the site:
 - a. Electricity & water at nearest available one point. Further distribution to be done by contractor at their cost.
 - b. Quarter(s) for supervisor/ engineers on chargeable basis in GIPCL's township at discretion of GIPCL if available.
 - c. Workshop facility as available at site only. However, contractor may visit the workshop to ensure the existing facility. For the facilities other than available, contractor has to carry out the job outside at their own cost.
 - d. Place for site office shall be provided.
 - e. First aid facilities as available on chargeable basis.

Apart from the above, no other facilities shall be provided by GIPCL.

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- B. GIPCL shall also conduct an orientation program appraising the workmen regarding the safety norms and measures to be observed during work operations at the plant site.

20. WORK MEASUREMENT/CERTIFICATION

- a. The work to be performed being a specialized nature, the contractor should be fully conversant with modern practices and should be able to carry out works independently of large thermal power plant. The contractor shall therefore be required to engage qualified/ experienced personnel to undertake the work as per specifications and requirement.
- b. Contractor should maintain one computer with printer for keeping daily records and maintain the data.
- c. The Contractor shall be required to furnish satisfactory job completion report to GIPCL. The submission of report should be on daily basis, the monthly bill payment shall be released based on the certified reports of the works.
- d. Inspection of work will be done by Engineer in Charge or his authorised representative. If the work is not found satisfactory engineer in charge reserves the right to take suitable action and shall be binding to the contractor.

21. PUBLIC HOLIDAYS

The Contractor shall be responsible for giving benefit to all his employees, employed in whatsoever capacity, 09 Public/Paid holidays and the same shall be notified in advance and due communication thereof shall be made to the Management.

22. BENEFIT PAYABLE IN CASE OF ACCIDENT OCCURRING OUTSIDE PREMISES OR BEYOND THE COURSE OF EMPLOYMENT

The Contractor shall provide an insurance coverage (Medical + Death Benefit) for sum of Rs. 01/-Lakh to all his workmen/labour deployed at GIPCL-SLPP site for the accident taking place anywhere outside the Company premises or at any place when the workman is not in course of his employment.

➤ FORCE MAJEURE

The performance of the obligations herein contemplated may be suspended without incurring the penalty in the event of the subsistence of Force Majeure conditions.

If a Force Majeure situation arises, the affected Party shall promptly notify the other Party in writing of such conditions and the performance shall be suspended as per mutual agreement.

For the purposes of this clause, ‘Force Majeure’ means an event beyond the control of the Party and not foreseeable by the Party and shall include events of floods, explosions, riots, wars, hurricane, epidemics, any other Act of God, quarantine restrictions, terrorism, government actions and provided always that such acts result in the impossibility of the further performance of the contract.

➤ INDEMNITY

The Contractor shall indemnify and keep harmless GIPCL from and against all actions, proceedings, claims, demands, losses, costs, damages and expenses whatsoever

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which may be brought against or suffered by GIPCL which it may sustain, pay or incur as a result of or in connection with the performance/ purported performance/ non-performance of the contract by the Contractor.

In case, in any litigation pertaining to labour employed through contractor if any direction or order is issued by court at any point of time the contractor shall comply with and implement such direction or order whether passed at the time of award of contract or during the pendency of contract. Further, the Contractor shall indemnify the GIPCL against all consequences arising and affecting GIPCL owing to the compliance of the orders by the Contractor.

23. GOVERNING LAW AND JURISDICTION

This tender document and contract shall be governed by the laws of India and the Courts at Surat shall have jurisdiction regarding the same.

24. UNIFORM

The contractor shall issue three pairs of stitched uniform every year to contract workmen (Pant-Shirt for men and Sari-Blouse to women workers). However brand of fabric will be MAFATLAL. The color of the uniform shall be as indicated by GIPCL. The uniform should be issued to workmen within one month from the date of commencement of the Contract, otherwise penalty will be imposed.

25. ADHOC ALLOWANCE

Considering the inflation and financial conditions prevailing in the market, to compensate the contractor towards the benefits of adhoc allowance. Contractor shall pay additional adhoc allowances to the specified workmen per month.

- 26.** Benefit payable in case of accident outside premises or not during the course of employment: (Off Duty Coverage). The contractor shall provide off-duty insurance coverage (Medical + Death Benefit) sum of Rs. one Lac (Nagrik Suraksha Policy or Equallent) to all its workmen deployed at GIPCL-SLPP site for the accident taking place outside the Company premises anywhere in any capacity and in whatsoever may be the manner. Premium amount would be around Rs.95/- plus GST per person per year
- 27.** Legal matters pending before the Court: In case, in any litigation pertaining to labour employed through contractor, if any direction or order is issued by court at any point of time, the contractor shall comply with and implement such direction or order whether passed at the time of award of contract or during the pendency of contract
- 28.** Rates will remain firm throughout the contract period or any extension thereof. There will not be any escalation/compensation to the contractor against any revision in MWR (Minimum Wage Rates).

29. BREAKDOWN OF THE PLANT

In the event of breakdown of the plant leading to a likely shut down of the plant for more than one month, the following shall be applicable:

- a. GIPCL shall give a Fifteen days' notice to the contractor intimating him about the breakdown of the plant and the estimated time of its shut down with a direction for demobilization of the contractor's staff from the GIPCL plant site.

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- b. Full payment shall be made for a period of first month and a pro rata payment to the extent of demobilization staff should be made thereafter.
- c. During the period of one month when the plant will be rendered idle, GIPCL will have right to utilize contractor's services in any other manner as deemed fit by GIPCL.
- d. Contractor shall not be eligible for any compensation for demobilization and remobilization.
- e. 15 days' notice intimating the re-commencement of the plant will be given to the contractor for remobilization of his staff and resources.

30. PENALTY AND RECOVERY

Package - A & B

A) Penalty clause

- I. Shortage of tools & tackles : Rs. 500.00 Per day per T&P
- II. Poor house-keeping : Rs. 500.00 per instant/day.
- III. Any Minor Fire : Rs.1000 per instant.
- IV. Un-safe work : Rs. 500.00 per day per Instant.
- V. Damage to GIPCL equipment :Free replacement / repair up to
machinery satisfaction of GIPCL OR 1.2 time
cost GIPCL incurs in repair /replacement
- VI. Deployment of less Technical people (for handling): Penalty will be levied if contractor will deploy less technical person against requirement. The penalty will be Rs.1000 for less deployment at each location.
- VII. Deployment of less Technical people for mechanical maintenance jobs in shift :
Penalty will be levied if contractor will deploy less technical person against requirement. The penalty will be 25% of quoted price for each category as mentioned in Annexure- A-5.
- VIII. Site in charge / Maintenance in charge / Operation In charge: Rs. 750/day/person (except weekly off, paid holidays & approved leave from engineer in charge)
- IX. Non-availability of consumables like Gas, Electrodes, cotton waste & cleaning agents etc.: Rs. 500/- Per Instant/day
- X. Non-availability of vehicle for Handling and Maintenance: Rs. 1000/- Per shift
- XI. Delay in deployment of manpower Rs. 5000 per instant /shift
- XII. Operators not available at location: Rs.500
- XIII. Lignite Bunker level below 200 MT for the period of more than 30 minutes: Rs. 5000 per instant for reason attributed to contractor.
- XIV. Minor injury to workman: Rs. 2500/ incident

Every month 3 days will be allowed to carry out maintenance work of vehicle after advance information to Engineer In charge. Vehicle Maintenance is to be planned in such a way that routine operation and maintenance mobilization work is not suffered and at least one vehicle remains available in plant premises at any point of time.

- (i) In the event the Contractor causes undue delay in performance or the performance is unsatisfactory causing harm to the plant and property of GIPCL, then in such a case, GIPCL (Engineer-In-Charge) shall be entitled to levy a penalty on the Contractor at the rate of 1.5 times of the item rate upto a maximum of 10% of the total contract value. The said penalty amount may be recovered either from the monthly bills or the SD.
- (ii) However, the total amount of penalty recoverable from the Contractor shall be restricted to 10% of the contract value.

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- (iii) In addition to and without prejudice to the above, GIPCL shall also have the right to get the affected work completed by a third party or agency at the risk and cost of the Contractor/ and the Contractor shall be liable for any differential amount in the contract price.
- (iv) Any damage caused to the equipment or machinery on account of the negligence on the part of the Contractor or due to any other reasons attributable to the Contractor, shall be recovered by the Owner/GIPCL from the Contractor.
- (v) The ascertainment of the cause of the damage shall be done by the HoM (SLPP) and his decision in this regard shall be final.
- (vi) The decision of the Engineer-In-Charge as regard the amount of damages to be recovered from the Contractor shall be final.
- (vii) The aforesaid amounts of penalty and damages shall be recoverable from the monthly bills of the Contractor or the SD. If the amount of damages recoverable from the Contractor exceeds the bills and SD amount, then the Contractor shall become liable to pay the same to GIPCL and GIPCL shall be entitled to initiate appropriate proceedings against the Contractor for the same.
- (viii) Where any portion of the General Condition of Contract is repugnant to or at variance with any provisions of the Special Condition of Contract, then unless a different intention appears, the provision of the Special Conditions of Contract shall prevail to the extent of such repugnancy of variance.

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

SECTION-D

SPECIAL CONDITIONS OF CONTRACT

1. DETAIL SCOPE OF WORK

Package - A

A. Detail Scope of work for Handling, Mechanical maintenance and Housekeeping of Lignite Handling, Lime Handling, Lime Milling and Lime conveying System.

A1) Detailed scope of Work for Handling

- A. The main motto of handling system should be operating the system efficiently, proper co-ordination with main plant for filling Lignite & Limestone bunkers as per their need, co-ordination with mine dept. for transportation of lignite to in-plant. It should be ensured that Lignite & Limestone bunkers are not starving at the time of need.
- B. The contractor shall deploy adequate number of qualified and skilled persons at all locations as per Annexure K for effective and efficient execution of the contractual obligation and to fulfill the terms and conditions of the contract. The contractor shall be responsible for overall supervisions and control of the work assignment and the manpower deployed for the purpose. Contractor shall ensure that each Location operator has to look after the area fixed by Engineer I/C. Total no. of manpower requirement for Handling may vary as per discretion of Engineer I/C. Payment will be made based on deployment of manpower as per directive of Engineer I/C.
- C. System to be run in healthy conditions maintaining operational parameters. If any defects are developed it shall be rectified immediately.
- D. Safety of equipment and men are of most important. Issue of permit to work to maintenance people, is to be strictly in line of direction given by GIPCL.
- E. All operational log sheets, running hours, history to be maintained on day to day basis. Operator checklist is to be filled and submitted in each shift to shift In charge.
- F. Auxiliaries are to be run according to requirement of the system only. No idle running of the system / equipment is to be done.
- G. Manpower deployed by the contractor must be equipped with safety guards like safety shoes. Safety belts, safety goggles, ear plug, helmet, mask etc.
- H. Required data's on hourly basis, cleanliness of equipments, handling the system/ equipment in healthy condition as per requirement of main generating unit.
- I. Operators must be made available at various locations as per instruction of engineer in charge. If locations are un-manned, necessary disciplinary action as well as penalty will be imposed on contractor.
- J. Cleaning and up keeping of all equipments
- K. It is a pre-condition that the contractor and the persons deployed by him are for a Contractual period only.
- L. Permit to work system is to be followed to carry out any Job. All the activities are to be carried out by the contractor as directed by GIPCL.

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- M. The decision of HoM (SLPP) of the Plant shall be final and binding on the contractor for defining the terms and conditions included in this contract.
- N. Contractor has to engage the manpower for the complete handling & maintenance of LHS, LSHS & LSMS at various locations as per instruction of engineer in charge.
- O. Contractor shall have to appoint experienced and well conversant Site-in-charge for handling the site. The site-in-charge should have hands on experience in handling and maintenance of similar type of equipment(s), who will co-ordinate with GIPCL engineer & should bear over all responsibilities of contract.
- P. It will be the responsibility of the contractor to ensure the smooth operation of the system considering all safety aspects and ensuring the healthiness of the system. Co-ordination of all activities in consultation with GIPCL is the responsibilities of the contractor.
- Q. It is the responsibilities of the contractor to ensure that all the employees deployed by them remain available at their respective locations.
- R. Time keeper/Store Keeper is to be deployed for managing the man power and T & P resources as per requirement.

A-2) Detailed scope of Work for Mechanical maintenance

- A. The contractor has to follow the preventive maintenance schedule as per instruction provided by the Engineer-in-charge. The preventive maintenance checklist for every equipment is to be followed and submitted to GIPCL daily after completion of job. However Preventive maintenance is to be carried out as per requirement and instruction from Engineer Incharge.
- B. Contractor has to prepare job card for each work permit which is to be filled & verified immediately after completion of work / cancellation of work permit. This payment of each work will be verified based upon job card only.
- C. Shift maintenance (mechanical)
A team of at least six people consisting of one ITI (Fitter), one cutter cum welder & four semi-skilled persons shall be deployed in two / three shifts. One Engineer/supervisor is also to be deployed to co-ordinate, monitor and supervise the work.
- D. The contractor has to submit list of spares, Lubricants, Fasteners, Bearing etc. required for next fifteen days to GIPCL in advance.
- E. Reconciliation statement of spares, Lubricants, fasteners consumed in each month must be submitted to GIPCL by 5th of next month strictly with due verification by GIPCL maintenance engineer.
- F. For smooth maintenance of the system, Contractor has to keep minimum tools at Feeder Breaker, Stacker Reclaimer (Mines), Lignite Bunker, Crusher House to reduce mobilization time.
- G. Contractor has to maintain separate sub store for lubricants also. All oil/grease containers shall be marked clearly. Separate can ((5 Ltr, 10 Ltr, capacity) and oil pump to be kept for oil containers. If any equipment is found damaged due to mixing of lubricants, cost of repair/replacement shall be borne by the contractor.
- H. The standard maintenance checks have to be carried out during operations like safe working parameters, high vibration, and noise, bearing temperature etc. strictly as per manufacturer's instructions. Contractor / his representative shall fill reports time to time.
- I. Since it is a continuous process plant, existing safety rules are to be followed. Permit to work system is to be followed to carry out maintenance Job.

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- J. The contractor shall have to submit daily report showing maintenance work carried out, spare parts/consumables etc. replaced, operational running hours, status of availability of system /equipment of LHS, LSHS & LSMS on day to day basis.
- K. Equipment history register is to be maintained as per instruction of GIPCL and to be submitted weekly for review.
- L. If any damage occurs due to negligence of contractor, he has to bear the entire cost of repair / replacement of equipment /machinery to the satisfaction of GIPCL.
- M. Breakdown maintenance: contractor has to deploy maximum manpower immediately so that the break down equipments is revived as soon as possible.
- N. Contractor has to plan and prepare the schedule for oil filling in gearboxes and fluid couplings etc. based on the running hours and instruction of GIPCL engineer in charge.
- O. Routine, Breakdown, Shutdown and Preventive maintenance of entire works in Lignite & Limestone Handling system, Limestone Milling & Conveying system and Dry Fog System are to be carried out as per schedule.
- P. For planned shutdown contractor should be able to supply the required manpower. The information of shutdown in such case shall be not more than 3 days. However, if the contractor fails to provide required manpower for shutdown/ breakdown jobs in time, the preventive maintenance will be deferred by GIPCL during shutdown/ major breakdowns. The payment **for the jobs not covered** in the preventive, predictive, breakdown maintenance schedule shall be paid as per the man day rates in the price bid and accepted by GIPCL. No claim/ compensation shall be entertained by GIPCL towards non-carrying out of preventive maintenance during such period. In case of breakdown of equipment, the contractor should work round the clock for putting back the equipment in services immediately within minimum time
- Q. Contractor shall make their own arrangement for transportation of manpower, T&P & consumables from plant to mines area for attending all the maintenance activities in time. Work should not be held up due to lack of proper transportation facility. Contractor has to keep separate vehicle for operation as well as maintenance for timely execution.
- R. All required stationary like logbooks, PM checklists, daily report format for submission of reports shall be provided by GIPCL. The contractor shall have to submit daily reports showing details of the maintenance works carried out, spare parts replaced and consumables used etc. Payment for the preventive / breakdown / predictive maintenance works will be made based on daily work reports/ check list/ protocols thereof submitted to respective department as per GIPCL format. Re-conciliation statement is to be handed over to engineer in-charge at the end of every month.
- S. GIPCL will provide spares including steel material and fasteners free of cost but contractor shall have to obtain spares in required quantity duly approved by GIPCL engineer whenever necessary from GIPCL store/ warehouse. Contractor shall have to arrange transportation for the above. Cost of transportation will be on contractor's account. The contractor shall be responsible for safe transportation, handling and storage.
- T. In case the contractor fails to execute the jobs as assigned to satisfaction of GIPCL, GIPCL reserve the right to execute the job through a third party at the cost & risk of the contractor.
- U. Contractor shall make their own arrangement to depute operation staff from plant to mines area in time. Work should not be held up due to lack of proper transportation facility.
- V. **Defect liability period**: The defect liability period for respective job has been detailed in **ANNEXURE-M**. During defect liability period, if any defect arises in jobs which have been already executed, shall be rectified by the contractor free of cost.

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- W. The time schedule given is the standard time required for respective activities of work, as mentioned in **ANNEXURE- I**
- X. For smooth operation of equipment at ELHS, contractor has to maintain separate sub store to reduce the mobilization time.
- Y. Contractor should keep the essential tools, tackles and consumable as per **ANNEXURE- J** (Mechanical) before commencement of the contract. These equipments shall be maintained at site in good condition till expiry of contract period. For proper maintenance of the plant, the contractor is required to maintain a list of tools & tackles in good working condition at site. The contractor should note that tools and tackles indicated in the above referred annexure is not exhaustive and the contractor shall arrange any additional tools and tackles required for proper performance of the contract, immediately with no extra cost to GIPCL. However, for the bidder, the indicative list as per Annexure referred above is the minimum quantity of tools & tackles which must be maintained at site all the time failing which penalty is proposed in the terms of the contract. At any point of time during contract execution or surprise checking by GIPCL authority if instruments (tools and plants) are not found working satisfactorily a penalty will be levied as per penalty clause in this tender document, from the RA bills. Amount once deducted, as penalty shall not be refunded. If the contractor has used any of the T&P of GIPCL, which is in the scope of the contractor, hire charges shall be imposed on the contractor in addition to penalty. T&P issued to contractor are to be returned immediately after completion of the work.
- Z. The contractor has to arrange qualified & experienced manpower for carrying out maintenance work refers **ANEXURE-K**. All work must be supervised round the clock by experienced supervisor to ensure timely completions of quality work.
- AA. Keeping track on the preventive maintenance schedule of equipment if not done in time.
- BB. Engineer / supervisors/coordinators have to be there at locations till completion of each activity
- CC. One in-charge for overall co-ordination of mechanical maintenance activities to be deployed.
- DD. Store keeper /Supervisor is to be deployed for proper up keeping of tool & tackles, plant spares etc. should be custodian of T&P, consumables & spares.
- EE. Engineer in charge or his authorized representative may do inspection of work at any time. If the work is not found satisfactory, engineer in charge reserves the right to take suitable action.
- FF. Surface of raw steel materials has to be cleaned. Fabricated structures are also to be properly cleaned by wire brush / buffing before painting. One coat of zinc oxide primer with two coats of synthetic paint to be applied as per instruction of GIPCL engineer. Dry film thickness (DFT) of Primer shall be minimum 30 micron and two coat of enamel paint of 25 microns each. The total DFT shall be 80 microns for all fabrication related work
- GG. Paint Material including thinner is in the scope of bidder for all fabrication related work.
- HH. Inspection of tool & tackles

Inspection of tools & tackles will be done quarterly. The basis will be the minimum quantity of tools & tackles in workable condition as detailed in the specification. This inspection of T &P list would be a part of monthly invoice. If any short fall is notices, maximum 10 days will be allowed to contractor for procurement / repair. If procurement / repair time is more than 10 days, he will be penalizes as per pre-defined list.

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B) Detailed scope of Work for Housekeeping of ILHS

1. Boundary limit for internal system starts from (1) Gallery of BCN-1A (2) RPG floor of JNT-2B
2. Dry sweeping of entire area and all equipment's (including technological structure) as per schedules.
3. Water washing of Houses, JNT's, Conveyors galleries, tunnels etc. to be carried as per schedule C in normal case and also as per system requirement.
4. Dry sweeping of chutes, deck plates, seal plates & walk way on daily basis.
5. Periphery up to 3 meter of all buildings and JNT's to be kept always cleaned and it is to be checked once in every week to in charge GIPCL engineer.
6. Removal of spilled Lignite & Limestone near approaches of the system, as directed by in charge.
7. Dry sweeping and swabbing with detergent/phenyl of floors of Control rooms, MCCs and LHS office as per schedule.
8. Cleaning of all glasses provided in LHS office, LHS & Mill control room, Stacker reclaimer, Bucket wheel reclaimer.
9. Removal of grass, plants etc. near all Conveyor's take-up area, transformer yards, JNTs, crusher house, screen house and control rooms up to 3 (Three) meter from surrounding periphery is in the Bidder's Scope.
10. Removal of spider webs & spill over oil from all location defined in SCHEDULE A/B is in contractor scope as & when required basis.
11. Cleaning solutions required for toilets, control room floors, glass, etc. is in bidder's scope.
12. Toilet freshener, control room freshener spray, hand washing solution is to be provided by bidder.
13. Loading, transporting and unloading of spilled lignite and lime stone from various locations of lignite and lime stone system to respective stockpile by means of tractor-trailer as per schedule –B-4 with tractor and JCB including driver is in bidder's scope.
14. Segregation of scrap materials and shifting to waste yard while loading spilled lignite or limestone is in bidder's scope.
15. Bidder has to maintain minimum tools and accessories as mentioned in Annexure –J.
16. Bidder has to ensure the smooth operation of system by carrying out housekeeping work as per system requirement considering all safety aspects.
17. Bidder has to ensure minimum two tractors with trolley not more than Four years old, fitness certificate of tractor-trailer along with tractor driver having valid driving license. Above are to be submitted before engaging the tractor-trailer. Bidder has to also ensure one no. of JCB-3D as and when required, it will be used for cleaning/material loading or any other housekeeping activities as when required and instructed by GIPCL i/c engineer.
18. Bidder has to clean the area in running conveyor & equipments by taking necessary safety precautions under strict supervision of respective location supervisor.

Housekeeping of Internal Area of Lignite Handling, Limestone Handling and Milling System is to be carried out as per Schedule 'B1, B2, B3, B4, B5 & B6 and detail is as mentioned below.

DETAILS OF SCHEDULES AND THEIR QUANTITIES:

➤ DETAILS OF SCHEDULE “B1”

Cleaning to be done **in case of requirement by GIPCL** in shifts

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- 2 Bunker Unit-3 & 4 side Grill Area
- 3 JNT-1 (BCN-7A/B/C/D tail end & BCN-6A/B Head end)
- 4 Old SCH (BCN-6A/B tail end, crusher floor & BCN-5A/B head end)
- 5 BCN-6A/B Gallery

➤ DETAILS OF SCHEDULE “B2”

Cleaning to be done in general shift for Lignite & Limestone Handling & milling system

- 1 Unit 1& 2 SFD floors including all equipments.
- 2 BCN-8A/B floor & equipments, BCN-7A/B floor & equipments with Gallery & take-up
- 3 Unit 3 & 4 bunker floors including all equipments with take-up area
- 4 SCH all floors including BCN 5A/B head end, BCN 6A/B tail end.
- 5 JNT – 1 all floors & equipments.
- 6 BCN-6A/B Gallery from SCH building to JNT-1, Take-up & JNT-2
- 7 BCN 5A/B Gallery and JNT 3,4,5 including BCN-12A1,A2/B1, B2 enclose portion, JNT 5.
- 8 BCN 4A/B Gallery & tunnel.
- 9 JNT- 8, JNT 9, BCN 1A Gallery
- 10 BCN 2A yard portion, tunnel portion and tail end portion along with rail.
- 11 JNT –10, 11 including BCN 2B gallery.
- 12 BCN 2C yard portion & tail end portion along with rail
- 13 Screen house extension including BCN 4A/B head end, 13 A/B drive end & BCN 13A/B gallery.
- 14 S/R-I/P Machine
- 15 BWR Machine
- 16 Dry sweeping of MCCs, Compressor room-4 Nos, Control room-2 Nos, Work shop-1, Toilets / Bathroom - 10 Nos
- 17 Up-keeping of LHS office.
- 18 Mill – A (entire mill-a building area excluding ground floor)
- 19 Mill – B (entire mill-b building area excluding ground floor)
- 20 Mill – C (entire mill-c building area excluding ground floor)
- 21 Mill – D (entire mill-d building area excluding ground floor)
- 22 Mill A, B, C, D ground floor area, surrounding and connecting drains
- 23 Limestone control room, compressor house & its roof & accessories, LPG room, oil room, Toilets / Bathroom - 2 Nos
- 24 BFD-LS1 & LS2, BCN-LS1 & tunnel area, sump pump & drain, gallery, stair case, ventilation room.
- 25 Limestone crushers house all floors, and surrounding drains

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- 26 BCN-LS2 & Gallery & JNT-LS1.
- 27 BCN-LS3, Gallery, Traveling tripper, and Limestone bunker floor with staircase of bunker floors.

➤ DETAILS OF SCHEDULE “B3”

- Once in a week water washing.

- 1) BCN 6A/B entire Gallery and JNT 2
- 2) All Bunker floor of unit 1&2
- 3) All Bunker floors of unit 3&4
- 4) Secondary Crusher House
- 5) JNT – 1 all floors including FGT and BCN-7A/B/C/D Gallery

- Once in two weeks water washing.

- 1) Bucket Wheel reclaimer
- 2) Stacker Reclaimer (in plant).
- 3) BCN 5A/B Gallery, tunnel
- 4) BCN 2A yard conveyor and tunnel
- 5) JNT –10, 11 including BCN 2B tunnel & gallery.
- 6) BCN 2C conveyor including yard portion
- 7) JNT- 8 & 9 and BCN 1A gallery.
- 8) Screen House A/B
- 9) BCN 11A/B Gallery & tunnel including 11A/B head end and JNT 6, 7 including 10A/B head end.
- 10) BCN 13A/B and BCN 4A/B Gallery & tunnel and JNT 3,4,5

➤ DETAILS OF SCHEDULE “B4”

Loading, transporting and unloading of spilled lignite and lime stone from various locations of lignite and limestone system to stockpile by means of deploying tractors/Dumper and required manpower/JCB. While loading other than lignite and lime stone like steel scrap, rubber cut pieces etc. to be segregate and shift to waste yard.

➤ DETAILS OF SCHEDULE “B5”

Sr. No	House Keeping Activity	Frequency	Qty for two year
1	Removing of Spider webs and cleaning of wall of all ILHS & Lime Stone system buildings.	Once in a Month	24
2	Water washing of rubber mats placed in front & backside of HT & LT switch gear of all MCC's (including Machines) and putting back at its location.	Once in a Month	24
3	Cleaning of all cable trenches.	Once in a Month	24
4	Cleaning Transformer Yards	Once in a months	24

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5	Clearing of Vegetation in and around of BCN2C, 2A and all surrounding of all ILHS & LSMS system/ buildings.	Once in two months	12
6	Periphery drains of secondary crusher house & JNT-1 (twice in a month for SCH & JNT-1 each)	Twice in a month	96
7	Periphery drains of screen house A/B	Twice in a year	4
8	Periphery drains of LHS office and junction tower,4,5,8,9,10,11.	once in a Month	24
9	Swabbing of all floors of MCCs, Compressor rooms, Work shop & Rest room	Twice in a week	208
10	Periphery drains of LHS & LSMS control room	Twice in a month	48
11	Dry cleaning of Screen houses A&B including ground floor	Once in a Month	24
12	Cleaning of sump pump pits – 5 Nos (5 pits 4 times)	Once in three Months	40

➤ **DETAILS OF SCHEDULE “B6”**
Choke up cleaning during monsoon:

Sr. No.	Choke up cleaning activity	Frequency
1	Unit 1 bunker grill & SFD 4A1 & B1	Per shift
2	Unit 2 bunker grill & SFD 4A2 & B2	Per shift
3	Unit 3 bunker grill & TT/PF of BCN 7C	Per shift
4	Unit 4 bunker grill & TT/PF of BCN 7D	Per shift
5	All receiving & discharge Chutes in JNT 1	Per shift
6	All receiving & discharge Chutes of equipment in SCH	Per shift
7	BCN 4A/B discharge & BCN 13A/B discharge chute	Per shift
8	BWR & SR I/P– Centre chute & tripper discharge chute & discharge Chutes in JNT 8&9	Per shift

- Note: For choke up removing 100 days considered as a monsoon period which is predicted from past experience and execution would be based on purely rainy conditions and requirements.

C. Detailed scope of work for Housekeeping of ELHS

1. Boundary limit for External system ends at (1) Gallery of BCN-1A (2) RPG floor of JNT-2B
2. Dry sweeping of entire area and all equipment's (including technological structure) as per schedules.
3. Water washing of Houses, JNT's, Conveyors galleries, tunnels etc. to be carried as per schedule in normal case and also as per requirement.
4. Dry sweeping of chutes, deck plates, seal plates & walk way on daily basis.
5. Dry sweeping and swabbing with detergent of floors of Control rooms, MCCs daily as per schedule.
6. Periphery up to 3 meter of all buildings and JNT's to be kept always cleaned.

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7. Removal of spilled Lignite & near approaches of the system, as directed by in charge.
8. Cleaning of all glass provided in feeder breaker control room and Stacker reclaimers.
9. Removal of grass, plants etc. near all Conveyor’s take-up area, transformer yards, all MCC rooms is in the contractor’s Scope.
10. Removal of spider webs & spill over oil from all location defined in schedule is in contractor scope as & when required basis.
11. Cleaning solutions required for toilets, glasses, toilet freshener etc. is in bidder’s scope.
12. Loading, transporting and unloading of spilled lignite from various locations of lignite system to respective stockpile by means of tractor-trailer as per schedule.
13. Segregation of scrap materials and shifting to waste yard while loading spilled lignite is in bidder’s scope.
14. Bidder has to maintain minimum tools and accessories as mentioned in Annexure –J.
15. Bidder has to ensure the smooth operation of system by carrying out housekeeping work as per system requirement considering all safety aspects.
16. Bidder has to ensure minimum one tractor with trolley not more than four years old, fitness certificate of tractor-trailer and driving license of tractor driver is to be submitted before engaging the tractor-trailer. Also bidder has to provide JCD-3D as and when required by GIPCL i/c engineer for removal of spilled lignite or other housekeeping activities.
17. Truck mounted vacuum cleaning machine along with the driver and diesel will be provided by GIPCL contractor has to engage required manpower in respective area for handling of the hose pipes of stationary and mobile industrial vacuum cleaning machine while in operation
18. Bidder has to clean the area in running conveyor & equipments by taking necessary safety precautions under strict supervision of respective location supervisor.

Housekeeping of External Area of Lignite Handling System is to be carried out as per Schedule ‘C1, C2, C3, C4, C5 & C6. Detail is as mentioned below.

DETAILS OF SCHEDULES AND THEIR QUANTITIES:

➤ DETAILS OF SCHEDULE “C1 “

Cleaning to be done in three shifts

- 1) Feeder Breaker & tail end of BCN M1A.
- 2) Crusher cum screen house of expansion.
- 3) S/R-Expansion and Rail Cleaning
- 4) OLD PCH all floors & equipments

➤ DETAILS OF SCHEDULE “C2 “

Cleaning to be done in general shift

- 1) JNT-13 all floors & equipments
- 2) A/F & BCN-M7 Tail end & all equipments
- 3) JNT-12 all floors & equipments including BCN-1A Tunnel portion and sump pump pit
- 4) New PCH all floors, BCN M7 Gallery & equipments.
- 5) JNT-2A/2B all floors, gallery & equipments (Up to RPG floor)
- 6) BCN M4 yard & gallery portion.
- 7) BCN M5 Ground & gallery portion.
- 8) BCN M1A Gallery portion and Yard Conveyor
- 9) BCN M2A Gallery portion
- 10) BCN M3A Gallery and enclosure portion

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- 11) Dry cleaning of all MCC rooms (New PCH, PCH, New SCH, F/B, Mines MCC, AWR), New PCH Compressor house
- 12) Cleaning of toilet/ bathroom 4 no's
- 13) S/R-O/P and Rail Cleaning

➤ DETAILS OF SCHEDULE “C3 “

Once in a week water washing

- 1) PCH, BCN-M3A & JNT 12
- 2) New PCH & gallery, tail end of BCN M7 & A/F Floor.
- 3) New SCH
- 4) M1A 20 Nos. Gallery
- 5) JNT 13 & M2A- 20 Nos Gallery

Once in two-week water washing

1. Stacker Reclaimer (out plant)
2. Stacker Reclaimer (Expansion)
3. BCN-M4 yard portion, tail end & Gallery
4. JNT – 2A & 2B and Gallery of BCN M5 &M6

➤ DETAILS OF SCHEDULE “C4 “

Loading, transporting and unloading of spilled lignite and lime stone from various locations of lignite and limestone system to stockpile by mean of deploying tractors/Dumper and required manpower/JCB. While loading other than lignite and like steel scrap, rubber cut pieces etc to be segregate and shift to waste yard

➤ Details of Schedule “C5”

Sr. No.	House Keeping Activity	Frequency	Total jobs for two years
1	Removing of Spider webs and cleaning of wall of all ELHS buildings.	Once in a Month	24
2	Water washing of rubber mats placed in front & backside of HT & LT switch gear of all ELHS MCC's and putting back at its location.	Once in a Month	24
3	Cleaning of all cable trenches of ELHS.	Once in a Month	24
5	Clearing of Vegetation in and around of all surrounding of all ELHS system/ buildings.	Once in two months	12
6	All Periphery drains of ELHS system /buildings/ MCC	Once in a Month	24
7	Swabbing of all floors of MCCs (6 Nos)	Twice in week	208

➤ DETAILS OF SCHEDULE “C6”: - Choke up cleaning during monsoon:

Sr. No.	Choke up cleaning activity	Frequency
1	All receiving & discharge Chutes of equipment in New screen cum crusher house.	Per shift
2	Stacker /bucket wheel reclaimer (Expansion)	Per shift

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3	All receiving & discharge Chutes of equipment in New PCH	Per shift
4	All receiving & discharge Chutes of equipment in old PCH	Per shift
5	BCN M1A Discharge and BCN M2A receiving at JNT-13& JNT-2A / 2B	Per shift

- Note: For choke up removing 100 days consider as a monsoon period

D. Providing utility vehicle to LLHS / AHS /Electrical / C&I GIPCL workmen everyday on need basis round the clock.

- Contractor has to provide utility vehicle to GIPCL workmen on need basis round the clock to carry out the work and for tools & tackles. Certification will be done on daily basis by Engineer-In-charge. In case vehicle is not provided as per requirement than the charges for that day will not be paid by GIPCL.

1.1 **SPECIFIC REQUIREMENT**

- Timely completion of all jobs and works shall be the essence of this Contract. Contractor should closely monitor each activities such as preventive maintenance, break down, Housekeeping and annual shutdown jobs 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.
- The contractor has to complete the preventive maintenance (PM) 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 and successful trial run. Contractor must carry out the Preventive maintenance jobs as per the equipment PM check sheet provided by the GIPCL, also after completion of the PM jobs, this duly filled PM check sheet is to be submitted duly signed to Engineer in charge.
- The contractor has to submit daily reports showing maintenance work carried out spare parts/ consumables etc. replaced.
- The contractor has to do quality job. GIPCL shall not compromise in quality. In case of poor quality of work the contractor may be asked to rework the job at free of cost.
- Any job other than the listed jobs in work order shall be executed by the contractor on instruction from GIPCL and payment shall be made to the contractor as per ANNEXURE-A-5
- The Government of India has enacted the Micro, Small and Medium Enterprises Development Act, 2006 (the “Act”) and the Act has come into force from October 2, 2006. The Bidder shall confirm whether your organization is registered under the Micro, Small and Medium Enterprises Development Act, 2006. If your organization is registered under the Act, please specify the category i.e., Micro Enterprise, Small Enterprise or Medium Enterprise under which it is registered and kindly attach a copy of your registration certificate.
- The Bidder shall provide details of registration along with copy of the registration certificate issued by the District Industries Centre/Department of Industries, etc of the respective State Government. It is to be noted that large scale industries and trading firms have been excluded from the purview of the Act.
- Communication equipment like mobile phone is to be provided to all responsible persons like site in charge, operation in charge, coordinators, maintenance in charge, time keeper, store keeper and all engineers/supervisors. Any change in communication mode/number is to be intimated in writing to engineer in charge.

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- i. Two nos. Utility vehicles are to be kept separately for operation and maintenance activity as per tender guideline. Only utility vehicle is allowed equivalent to Mahindra Bolero Maxi truck, TATA 207 DI RX PICK UP etc having more than 60 HP power. Vehicle should not be older than four years during entire contract period.
- j. Contractor should mobilize all resources for efficient & smooth execution of contract within 15 days from the date of issue of Letter of Intent.
- k. GIPCL is an ISO 9001, ISO 14001, OHSAS 18001 & ISO 50001:2011 (EnMS) certified company, and GIPCL gives extreme importance to maintain these global standards. Contractor shall be required to observe these standards while working with GIPCL. Contractor should ensure that his workmen work in accordance with them.

1.2 FAILURE DURING EMERGENCY

During any emergencies, contractor shall have to carry out the work by deploying additional force within four hour notice period failing which GIPCL reserves the right to carry out this work by engaging other party. The expenditure occurred due to such situations, the Contractor will be held responsible & the same will be recovered from the Contractor's monthly bill / any other pending bills along with 15% overhead charges. For repetitive failure of such work for more than two incidents, GIPCL reserve the right to terminate the entire contract by forfeiting all pending dues, Security Deposit & other retention money, if any, after giving 15 days notice to the contractor & this will be binding to the contractor.

1.3 GENERAL SCOPE OF CONTRACTOR

1. All tools & tackles, equipments, scaffoldings, materials, labour, vehicles, etc... to execute the contract will be in the scope of the contractor. The contractor should ensure for healthiness/working conditions of tools, tackles & vehicles.
2. All consumable items like paint materials, thinner, turpentine, red oxide, cloth, cotton waste, kerosene, gas, diesel, lubricants, etc will be in the scope of the contractor.
3. The Contractor shall have to make necessary arrangement for storage of materials including safe storage of paint materials, tools & tackles, scaffolding materials, equipments at their own cost.
4. All safety/PPEs required during work at site are to be arranged by the contractor.
5. The Contractor shall have to provide necessary facilities including accommodation for their labour at their own cost.
6. The contractor has to arrange transportation for lifting/shifting the materials at their own.
7. Contractor has to depute their full time experienced site-in-charge & independent Location/Package wise supervisors for work execution as per specification and for day to day work planning & coordination with respective department's Engineer-in-charge, to obtain day to day Location/Package wise work permits, to get daily location wise work supervision, to record Location/Package wise joint work done reports/measurements/certification, to prepare Location/Package wise separate bills, to prepare & apply Location/Package wise manpower gate pass, to maintain Location/Package wise statutory & legal compliance records, etc...

1.4 TO REMEDY DEFECTIVE WORK

If the work or any portion thereof shall be damaged in any way excepting by the acts of the GIPCL, or if defects not readily detected by proper inspection shall develop

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before the final completion and acceptance of the whole work, the CONTRACTOR shall forthwith make good, without compensation, such damage or defects in a manner satisfactory to the ENGINEER / GIPCL. In no case shall defective or imperfect work be retained even if contractor followed all technical specifications. GIPCL will not compromise for quality of materials, works & workmanship.

The CONTRACTOR shall remain liable under the provisions of this clause notwithstanding the passing by the GIPCL of any certificate, final or otherwise or the passing of any accounts.

2. PRICE & RATES

This is SoR based contract and final item rates will be derived based on final offered lowest price received through e-Reverse Auction on gross total price (including GST). Prorata reduction will be applied in the quoted price for all the items of SoRs after price discovery through e-Reverse Auction. The item rates so derived shall be inclusive of cost of all tools, tackles, consumables, safe storage of materials, wastage, labour, supervision, cost of safety supervisor, shifting, transportation, loading, unloading, equipment, all tools & tackles, standard MS scaffolding materials, scaffolding arrangement at work site, safety equipments & PPEs, legal & statutory compliances, Royalties, Rents, Stamp Duties, Central or State Government or Local body or Municipal Taxes or Duties or any other duty / tax, minimum wage rates to workmen etc levied by the Central, State Government or other Public bodies etc... and such other costs that are not specifically mentioned herein but will be incurred by the contractor for the satisfactory and timely completion of the work.

The item rates shall be deemed to include for everything mentioned in the specification, all leads & lifts, contractor's overheads & profits for due performance of the work under this contract and such other costs that are not specifically mentioned herein but will be incurred by the contractor for the satisfactory and timely completion of the work.

The rates shall also include cost for mobilization / demobilization of manpower, equipments, materials, etc...

Any statutory changes in taxes & duties will be to GIPCL's account. In case of any reduction and/or removal of taxes, the same shall be passed on to GIPCL.

The rates shall be firm for entire contract period and also during extension, if required and shall not be subject to any escalation in price, idle charges for labour, machinery, overhead expenses etc. No price escalation / idle charges shall be considered due to any reason whatsoever. No rate escalation / idle charges shall be payable due to delay in work by contractor or due to non-availability of work front by GIPCL or any reason whatsoever. Clause no. 26 of Section-A shall be applicable.

Rates will remain firm throughout the contract period and any extension thereof. There will not be any escalation/compensation to the contractor against any revision in MWR (Minimum Wage Rates). However, contractor shall not pay less than the Minimum Wages notified by the Government from time to time to his/her employees of corresponding category.

Contractor shall at his/her expense comply with all labour and industrial laws and such other acts and status as may be applicable to this contract in respect to pay etc.

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On account of any default in respect of all liabilities and in case of non compliance of the above, the company can withhold their payments till all legal liabilities are discharged.

Contractor shall deploy labour/workers & supervisors in sufficient numbers and quality to ensure workmanship of the degree specified in this contract and to the satisfaction of the Company.

The price/rate quoted by CONTRACTOR shall be considering mobilization of all required manpower, tools & tackles, materials, equipment for timely and satisfactory completion of all scope of work.

3. MOBILISATION PERIOD

Mobilization period will be 15 days from the date of issue of Lol or Work Order whichever earlier.

4. TERMS OF PAYMENT

A. Conditions of Payment:

The contractor shall raise the separate running invoices in duplicate every month for Handling, Mechanical Maintenance, Housekeeping ILHS & Housekeeping ELHS in respect of the work performed or completed during the month along with the documents as hereinafter provided. On receipt of the invoice complete in all respects and with all the said documents, the payment in respect of the same shall be made within 21 days of such receipt of a complete invoice as per the following terms of payment:

- (i) 100% of monthly RA bill along with 100% taxes shall be released against the work executed duly certified by GIPCL Income Tax (IT) will be deducted at source from monthly RA bills as per the rules in force.
- (ii) GST shall be paid along with bills after fulfillment of following terms.
 - (a) Submission of copy of registration certificate issued by Authority (to be furnished only once).
 - (b) Citing the GST Registration no. And the date of issue of registration certificate on invoices.
 - (c) Claim of GST amount with percentage (%) separately shown on the invoices.
 - (d) The contractor shall be required to submit the proof of payment of GST of previous month/quarter, as may be applicable as & when demanded by GIPCL/Owner/company.
 - (e) The Bidder shall inform the Owner in the event of its registration certificate is cancelled or discontinued for whatsoever reason.
- (iii) At the time of submission of the first monthly RA Bill, the Contractor shall submit a certificate from Engineer-in-charge regarding availability of tools & tackles, equipments, vehicles etc at site. The Contractor shall also furnish the checklist as per **ANNEXURE-D** enclosed with the Section-F of tender document along with the RA bill of respective month.
- (iv) The contractor along with monthly RA Bill shall submit copy of P.F. Challan, Xerox copies of wages register of previous month, Xerox copies of attendance sheet of respective month & copy of ECR statement indicating the employee and

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employer's P.F contribution of previous month with respect of employees employed by him for the contract at GIPCL site.

- (v) The Contractor shall submit his Final Bill within a period of three months of the expiration or earlier termination of the contract or any extensions that may be granted by GIPCL to the Contractor. GIPCL shall not entertain any bill for any work item after expiration of period of three months.
- (vi) The Contractor shall include all his claims in the Final Bill submitted by him and accordingly the final bill submitted by the Contractor shall be deemed to be inclusive of all and whatsoever the claims that the Contractor may have from GIPCL. The Contractor shall not be entitled to claim any amounts which are not mentioned in the Final Bill and the Contractor shall be deemed to have waived any claims not mentioned in the Final Bill and shall not be entitled to recover the same from GIPCL subsequent to the submission of the Final Bill on any account and GIPCL shall stand absolved of all its liabilities in respect of any such claims not raised by the Contractor in his Final Bill.

B. Payment Terms: -

- The contractor shall raise the location wise separate running invoices in duplicate every month in respect of the work performed or completed during the month along with the documents as hereinafter provided. On receipt of the invoice complete in all respects and with all the said documents, the payment in respect of the same shall be made within 21 days of such receipt of a complete invoice as per the following terms of payment:
- 100% of monthly RA bill along with 100% taxes shall be released against the work executed duly certified by GIPCL Income Tax (IT) will be deducted at source from monthly RA bills as per the rules in force.
- In case, Vendor/Supplier require payment earlier than stipulated time limit, then GIPCL may levy early payment charges at prevailing standard lending rate of SBI (1-year MCLR) + 2% for remaining period of agreed credit time limit. However, GIPCL reserves the right to accept/reject early payment request. This will not be applicable for any retention charges as per contractual condition.

C. Validity and Uniformity of Rates: -

Rates will remain firm throughout the contract period or any extension thereof. There will not be any escalation/compensation to the contractor against any revision in MWR (Minimum Wage Rate).

5. SUBMISSION OF TECHNICAL DOCUMENTS TO THE ENGR-IN-CHARGE

Contractor shall submit following documents to the Engineer-in-charge for verification purpose of the bill:-

- (i) **Measurement sheet along with joint record of work done in the form of joint inspection report** duly signed by authorized representative of contractor and GIPCL Engineer.
- (ii) Operator's check sheet, Control room logbook, Preventive Maintenance checklist etc..
- (iii) All formats will be given by GIPCL. However, the printing/ stationary for day to day requirement is in contractor's scope.

The bill will not be entertained without submission of above documents.

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6. SUBMISSION OF STATUTORY COMPLIANCES WITH EACH BILL

Contractor shall submit each RA bill of work carried out along with following documents.

- Copy of statutory compliance like labour license, wages payment register, EC Policy, PF paid Challan with ECR, etc... along wage certificate pertaining to respective bill period.
- Notarized Indemnity Bond as per Performa, in case of Final bill.
- No claim - No arbitration certificate as per Performa, after releasing final bill payment

Bill submitted without any of the above documents shall not be processed for payment.

7. MEASUREMENT& DAILY REPORTS

- 1.1 The Contractor shall be required to furnish satisfactory job completion report to GIPCL. The submission of report should be on daily basis, the monthly bill payment shall be released based on the certified reports of the works.
- 1.2 The work to be performed being of a specialized nature, the contractor should be fully conversant with modern practices and should be able to carry out handling and maintenance works independently of large thermal power plant. The contractor shall therefore be required to engage qualified/ experienced personnel to undertake the work specifications specified in tender.
- 1.3 Inspection of work will be done by Engineer in Charge or his authorized representative. If the work is not found satisfactory engineer in charge reserves the right to take suitable action.

8. SUBMISSION OF STATUTORY COMPLIANCES WITH EACH BILL

Contractor shall submit each RA bill of work carried out along with following documents.

- Copy of statutory compliance like labour license, wages payment register, EC Policy, PF paid Challan with ECR, etc... along wage certificate pertaining to respective bill period.
- Written undertaking of site clearance as per clause no. 1.5 above.
- Notarized Indemnity Bond in case of Final bill.
- No claim - No arbitration certificate as per Performa (Annexure-D), after releasing final bill payment.

Bill submitted without any of the above documents shall not be processed for payment.

9. MOBILIZATION AND EXECUTION

- a) Contractor shall mobilize the resources at site within 15 days from the time of intimation given by GIPCL.
- b) Contractor shall provide independent site supervisor who will be responsible for supervision and execution of job in specified time with respect to quality, specifications, site preparations, safety, co ordination with GIPCL, issue of work permits, joint measurements, etc... The supervisors shall coordinate with the Engineer-in-charge of GIPCL for proper execution of the job.
- c) The resources required for execution of above jobs will vary from time to time, hence contractor shall mobilize the resources accordingly.

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- d) Contractor shall provide accommodation for the persons deployed by him for the work at his own cost

10. GENERAL CONDITIONS OF CONTRACT

General Conditions of Contract (Section-C) and detail specification prepared by the company will be applicable for this contract. The same is enclosed herewith. Bidders are advised to go through the same.

Where any portion of the general conditions of contract is repugnant to or at variance with any provisions of the special conditions of contract, then unless a different intention appears, the provision of the special conditions of contract shall prevail to the extent of such repugnancy of variance.

Package – B

1. DETAIL SCOPE OF WORK:

The tentative details of **Ash Handling System** which shall be covered in the Scope of Work for the Handling (Operation) and Maintenance (Mechanical) and Housekeeping are as follows:

A. BED ASH HANDLING SYSTEM

Lean Phase Pressure Pneumatic conveying system (Pressurized Air generated through Air Blowers)

- Bed Ash Conveying Blowers – Total 8 Nos.
- Manually and pneumatically operated valves (various types such as gate valves, knife gate valves, butterfly valves etc.), Pressure relief valves, Expansion joints etc.
- Ash transmitting vessels, Vent (Bag) Filters, Vent Fans, Bed Ash Silos (Total 4 Nos.) along with all equipment mounted on top and on operating floor, etc.
- Dust conditioners at operating floor of Bed Ash Silos.
- Air & Ash Conveying Pipe Lines with all accessories.

B. FLY ASH HANDLING SYSTEM

Dense Phase Pressure Pneumatic conveying system (Compressed Air generated through Air Compressors)

- Transport Air Compressors with all accessories – Total 5 Nos.
- Air Conveying Pipelines with Air filters, Pressure Control valves, Air receivers etc.
- ESP Fluidizing Blowers: Total 6 Nos.
- Silo Fluidizing Blowers: Total 3 Nos.
- Manually and pneumatically operated valves (various types such as gate valves, knife gate valves, butterfly valves etc.), Pressure relief valves, Expansion joints etc.
- Ash transmitting vessels.
- Vent Fans, Vent (Bag) filters, Impingement boxes, Pressure relief valves, All Fly Ash Silos (Total 4 Nos.) along with all equipment mounted on top and on operating floor, etc.
- Bulk Loading Spout.

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C. ELECTRICAL & GENERAL

- MCC / Switchgear rooms at various locations.
- Transformers.
- Main Control Room.
- Lighting systems and panels of entire Ash Handling system.
- All Safety switches, Motor winding and bearing temperature RTDs, Temperature scanners, different types of Control panels, Electrical transducers, PLCs and remote I/O racks, Mimics etc.
- Control desk, MMI system, Coaxial cables, Field limit switches etc. related to Ash handling system.
- All HT/LT Motors, HT/LT MCC / Switchgears, Chargers, DCDBs, Rectifiers, LT Bus duct, Receptacles, Local Control stations, push button stations, Local Control panels, Marshalling Panels, Electrical Control panels for HT/LT Switchgears, Distribution boards, UPS systems, 6.6 KV VCBs, 415V ACBs, Indication / Metering panels, Batteries, HT/LT Cables, Glands, Lugs Jointing Kits, NGRs etc.
- EOT Cranes.

D. HOUSEKEEPING

1. Housekeeping of Ash handling system (SLPP - Phase I & II).
2. Ash cooler draining and Removal of Back shifting Material.
3. Hopper choke up cleaning (As and When required).

Also, for un-foreseen activities to be considered apart from the scheduled Handling, Maintenance and Housekeeping jobs, all the required resources provision shall be as per the **SECTION – E: Schedule of Quantities and Price** of this Tender document which shall be operated on as and when required basis.

Further, the Items to be executed considering the broad scope of **Ash Handling System** as described above shall be as per as per the **SECTION – E: Schedule of Quantities and Price** of this Tender document.

➤ **HEAD WISE SCOPE OF WORK:**

- 1. HANDLING (OPERATION)**
- 2. MECHANICAL MAINTENANCE**
- 3. HOUSEKEEPING**

1. HANDLING (OPERATION):

- A) This Contract shall cover continuous Operation of the plant in **Three (3) shifts** irrespective of Sundays, Holidays and complete Maintenance of the Ash Handling System and Auxiliaries by appointing duly qualified and experienced Engineers, Supervisors, technicians, workmen etc.
- B) Contractor shall be responsible for recording & monitoring of required data, Cleanliness of equipment, Handling (Operation) of the system / equipment in healthy condition as per requirement of Main power generating unit.
- C) The Auxiliaries shall be operated according to the requirement of the system only. Idle running of the system / equipment shall not be practiced or tolerated.

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- D) The System shall be operated in healthy conditions maintaining Operational parameters. If any Defects are observed, it shall be rectified immediately.
- E) The Safety of Men & Equipment is of most importance. Issue of Permit to Work (PTW) to Maintenance workmen, shall be strictly in line of direction given by GIPCL’s Engineer In-charge
- F) All the Operation Log sheets, Running Hours, History etc. to be maintained on day to day basis.
- G) The Operators shall be made available at pre-determined locations as per instructions of Engineer In-charge. If locations are found un-manned at any time, necessary action like *imposing of penalty* (corresponding to “Penalty clause”) etc. shall be taken against the Contractor.
- H) Cleaning and up keeping of all equipment shall be in Contractor’s scope.
- I) The Contractor shall deploy adequate number of qualified and skilled persons at all locations for effective and efficient execution of the contractual obligation and to fulfill the terms and conditions of the contract. The Contractor shall be responsible for overall supervision and control of the work assignment and the manpower deployed for the purpose.
- J) It is a pre-condition that the Contractor and all the workmen deployed by him shall be for total for a Contract period only.
- K) Permit to work (PTW) system is to be followed for carrying out Maintenance job. Maintenance activities are to be carried out by the Contractor as directed by GIPCL’s Engineer In-charge.
- L) The decision of Head of Management (HOM) - SLPP shall be final and binding on the Contractor for defining the Terms and Conditions included in this Contract.
- M) Contractor shall have to appoint an experienced and well-conversant Site In-charge for proper administration at the site. The Site In-charge shall have hands-on experience in Handling (Operation) of and Maintenance of similar type of equipment(s) (as per the scope here). He shall co-ordinate with GIPCL’s Engineer In-charge & shall bear over all responsibilities of Contract.
- N) It shall be the responsibility of the Contractor to ensure the smooth Operation of the system considering all safety aspects and ensuring the healthiness of the system. Co-ordination of all the activities in consultation with GIPCL shall be the responsibility of the Contractor.
- O) The main motto of workmen associated with Handling (Operation) shall be operating the system efficiently, in proper co-ordination with the Main Plant for evacuation of the ESP hoppers, Bed Ash hoppers, Silos etc. & proper pneumatic conveying of Ash. It shall be ensured that the Ash levels in the ESP Hoppers & Silos are maintained to the minimum low at all times.
- P) It must be ensured that Operators are reaching their respective locations as per their scheduled Shift in time failing to which suitable action will be taken against the Contractor.

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Q) The standard checks have to be carried out during Operation like safe working parameters, vibration levels, noise levels, bearing temperature etc. To be maintained strictly as per the manufacturer’s instructions. Contractor / His representative shall fill the corresponding reports on daily basis.

R) The locations & quantity indicated in the **Package – B : Schedule of Quantities and Price** are tentative & this can differ during the execution of these items. As such, the locations can be reduced / clubbed / altered, changed, operators can be shifted in maintenance, etc. as per requirement, at any time, as per the decision of GIPCL’s Engineer In-charge.

➤ **Responsibilities of Handling (Operation) personnel deputed at either of the following locations:**

➤ **Field Engineers / Supervisors for Operation Co-ordination**

He shall be responsible for the day to day co-ordination with GIPCL’s Shift In-charge / Engineer In-charge, deployment / arrangement of designated operators at the respective locations, guiding them for the day-to-day operational activities as per requirement for the smooth system operation, verification of check-lists, recording of daily operational data in various formats provided by GIPCL etc. also shall be his responsibility. He has to work in close coordination with GIPCL shift incharge to coordnate the handling activities of all location ESPs/Pumphouse, Compressor House, Bed Ash blower house ,Fly Ash & Bed Ash system.

Further, he shall be responsible for the execution of any job (*which may not be noted here but concerned with his job profile*) as allotted by the GIPCL’s Shift In-charge / Engineer In-charge as per the requirement of the system.

➤ **Bed Ash Silo**

Ash loading from Silos to Trucks shall be their prime responsibility. He has to ensure that the spillage is controlled to the minimum low while loading. He has to run all the relevant Equipment installed at the respective Silos & record the data in the format provided by GIPCL in every shift. He has to co-ordinate with the Contractor’s Field Supervisor / Coordinator for any abnormality. He has to record the Silo levels at starting & ending of shift as per instruction of Contractor’s Field Supervisor / Coordinator.

Note: Above jobs are only indicative, and may not be required to be done simultaneously on daily basis. Further, any of the Operator(s) above shall be responsible for the execution of any job (*which may not be noted here*) by the Contractor’s Field Supervisor / Coordinator or Contractor’s Maintenance Supervisor as per the requirement of the system. Further, Contractor shall ensure that each location Operator has to look after the fixed area as directed by Contractor’s Field Supervisor / Coordinator or Contractor’s Maintenance Supervisor. Total No. of Operator requirement for Handling (Operation) may vary as per discretion of Contractor’s Field Supervisor / Coordinator as instructed by GIPCL’s Engineer In-charge and Payment would be made based on actually deployed Operator.

Contractor shall provide one set of following minimum tools to each MCC operator:

- a. Electrically insulated pliers
- b. Screw drivers
- c. Line tester (500 V)

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Penalty Clause: -

If any of the above-mentioned Contractor's Field Supervisor / Coordinator or Maintenance Engineers / Operators shall not carry out the work or any location remains vacant in any shift as per the requirement, it shall attract a deduction of Penalty @ 25% of the quoted price by Contractor for that respective item (*as listed in Package – B, Schedule of Quantities and Price*).

2. MECHANICAL MAINTENANCE

- A) The Contractor shall arrange qualified & experienced Manpower for carrying out of Maintenance work. All the work must be supervised by experienced Supervisor(s) to ensure timely completions of work with required quality assurance
- B) For smooth operation of the system, Contractor shall keep minimum Tools and Tackles (tentative list of Tools and Tackles enclosed along with this Tender document as Form – B in SECTION - F) always available in good condition at site.
- C) Contractor shall maintain separate sub-store for Lubricants also. All Oil/ Grease containers shall be marked clearly. Separate Cans (5 Liter capacity, 10 Liter capacity etc.) and manual Oil pump to be kept for Oil containers. If any equipment is found damaged as a result of probable mixing of lubricants, cost of repair/ replacement shall be solely borne by the Contractor.
- D) The Contractor shall submit the list of Spares, Lubricants, Fasteners, and Bearings etc. tentatively required for use in the next Fifteen (15) days to GIPCL in advance.
- E) Reconciliation statement of Spares, Lubricants, Fasteners etc. consumed in each month must be submitted to GIPCL by 5th of next month strictly along with due verification done by GIPCL's Engineer In-charge.
- F) The Contractor shall strictly adhere to the Preventive Maintenance (PM) schedule provided by the Engineer In-charge. The Preventive Maintenance (PM) of all equipment shall be carried out as per the respective checklist provided by GIPCL and the filled checklist on completion of respective Preventive Maintenance shall be submitted to GIPCL on daily basis.
- G) GIPCL being a continuously operated Process plant, all the Safety rules (as per the various existing laws and any newly incorporated laws from time to time) must be followed by the Contractor. Permit to Work (PTW) system shall be strictly adhered to by the Contractor for carrying out day-to-day Maintenance jobs.
- H) The Maintenance jobs shall be planned and executed in proper co-ordination of Maintenance Supervisors and Contractor's Field Supervisor / Coordinator and the same shall solely be as per the requirement of the System *and/or* as directed by GIPCL's Engineer In-charge.
- I) The Contractor shall have to submit various Daily reports showing Maintenance work carried out, Spare parts / Consumables etc. replaced, Operational running hours, Overtime hours, status of availability of system/ equipment etc.
- J) Equipment History register is to be maintained as per instructions of GIPCL and shall be submitted on *weekly* basis for review.
- K) If any damage to the system / equipment occurs due to the negligence of the Contractor, He shall bear the entire cost of Repair/ replacement of equipment/ machinery, as the case may be, firmly as per the decision taken by the GIPCL's Engineer In-charge.

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- L) Defect / Breakdown Maintenance: Contractor shall give top most priority to the System defects / Breakdown Maintenance in case of any Defect of breakdown caused in any critical equipment or any other Defect which may hamper the smooth operation of the System as directed by the Engineer In-charge. He shall deploy sufficient manpower immediately for putting back the said System/ Equipment back to service.
- M) If the Contractor has used any of the T&P of GIPCL, which initially is in the scope of Contractor, hire charges shall be imposed on the Contractor in addition to the suitably imposed Penalty. T&P issued to Contractor shall be returned to GIPCL immediately after the completion of the work.
- N) Contractor shall prepare the Job cards against each Permit to Work (PTW) which shall be filled & verified immediately after the completion of work / cancellation of PTW. The payment for each maintenance job executed by the Contractor throughout the Contract period shall be done subject to successful verification of these Job cards by the GIPCL's Engineer In-charge.
- O) Contractor/ His Maintenance Supervisor shall keep track on the Preventive Maintenance (PM) schedule of all equipment whether they are being executed timely or not.
- P) Contractor or His Site In-charge/ Supervisors shall supervise/monitor/control any of the maintenance activity, which is being executed under this Contract, being present at that respective location(s), till the completion of the respective activity. Further, the Maintenance Supervisor (*who shall be normally present in General shift*) shall be available at Site till the completion of any Maintenance activity extended after General shift also.
- Q) A Store keeper shall be deployed by the Contractor for maintaining of suitable records of Tools & Tackles, Maintenance spares etc. kept in the sub-store provided to the Contractor by GIPCL.
- R) Inspection of Tool &Tackles: Contract shall arrange for the Inspection of Tools & Tackles to be done *every month* along with the presence of GIPCL's Engineer In-charge.

The basis for this shall be the minimum quantity of Tools & Tackles to be maintained by the Contractor at all times at site in good condition which are detailed (tentatively) in the SECTION – F / Form -B enclosed along with this Tender document. The Inspection report of this shall be submitted along with the monthly invoice. If any short fall is noticed in the availability of one or more amongst this Tools and Tackles, the Contractor shall penalize as per the “Penalty clause”.

3. HOUSEKEEPING:

The detailed Scope of Work for ‘Housekeeping’ activities shall be as detailed in the **Package – B : Schedule of Quantities and Price** later in this Tender document.

The Contractor shall deploy manpower for Manual Cleaning of Fly Ash Silo and its surrounding areas as and when required.

4. OTHER TERMS AND CONDITIONS

- Contractor should mobilize all resources for efficient & smooth execution of Contract within 15 days from the Date of Issue of Letter of Intent / Letter of Award / Work Order.
- Timely completion of all jobs and works shall be the essence of this Contract. Any

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Preventive Maintenance and Defect / Breakdown Maintenance activity executed, as per the detailed Scope of Work (Section – D and Section – E of this Tender document), shall be executed, as having its defect liability (for the re-occurrence of any related breakdown in between the respective period). Any undue breakdown / defect occurring, after any maintenance job execution, for the respective job item, before the above directed Defect liability period, as directed by Engineer In-charge, shall be re-executed by the Contractor free of cost, without any cost implication to GIPCL.

- Contractor shall closely monitor each activity such as day-to-day Operation (Handling), Preventive Maintenance, Break-down and Annual Shutdown jobs 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.
- The Contractor has to complete the Preventive Maintenance (PM) 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 and successful trial run. However, planning the preventive maintenance jobs will be done solely at the discretion of GIPCL.
- The decision of the GIPCL's Engineer In-charge shall be final and binding on the Contractor for defining the terms and conditions included in this Contract.
- The Contractor has to submit Daily reports showing Operation / Maintenance work carried out Spare parts/ Consumables etc. replaced. The same shall be attached in the monthly invoices and the payment shall be done after the submission of the same.
- Contractors' Engineers / Supervisors have to be at their respective locations till completion of each assigned activity on day to day basis by the GIPCL's Engineer In-charge. Further, the Maintenance Supervisor (*who shall be normally present in General shift*) shall be available at Site till the completion of any Maintenance activity extended after General shift also.
- The Contractor has to do quality job. GIPCL shall not compromise in quality. In case of poor quality of work the Contractor may be asked to rework the job at free of cost.
- If any Equipment or part are found damaged due to negligent / faulty Maintenance, the equipment cost of such damages shall be recovered from the Contractor's monthly invoices / Security deposit.
- GIPCL's Engineer In-charge *or* His authorized representative may do inspection of work at any time. If the work is not found satisfactory, Engineer In-charge reserves the right to take suitable action.
- One Store keeper *cum* Time keeper shall be deployed for proper up-keeping of records of Tools & Tackles, Spares etc. and Manpower management. Further, a separate Housekeeping Supervisor shall be deployed at Site who shall be responsible for monitoring day to day Housekeeping jobs.
- Communication equipment like Mobile phones shall be provided to all responsible persons like Site In-charge, Contractor's Field Supervisor / Coordinator, Maintenance Supervisors, Housekeeping Supervisor, Store keeper *cum* Time Keeper etc. for day to day communication regarding Official work. Also the tentative monthly bill amount, for the provided mobiles, shall be taken into account by the Contractor, and provided to their above mentioned employees.

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- A Motorbike shall be provided by the Contractor and provided to the Site In-charge for day to day Official work. The Petrol allowance for the said Motorbike shall be provided to the Site In-charge on monthly basis. This Motorbike may be used by the Site In-charge or it may be provided for Official use to any of the Contractor's Field Supervisor / Coordinator, Maintenance Supervisors, Store keeper *cum* Time keeper, Housekeeping Supervisor etc. or any other administrative staff deputed at Site. This shall be at the sole discretion of the Site In-charge, if any requirement arises for any Official work which may require its use.
- Contractor shall keep approx. 10 Nos. Raincoats of good quality, at AHS Control Room, during monsoon season, to be worn by field coordinators, supervisors, operators, and maintenance and housekeeping workmen, on requirement, during field visit.
- The Government of India has enacted the Micro, Small and Medium Enterprises Development Act, 2006 (the “Act”) and the Act has come into force from October 2, 2006. The Bidder shall confirm whether your organization is registered under the Micro, Small and Medium Enterprises Development Act, 2006. If your organization is registered under the Act, please specify the category i.e., Micro Enterprise, Small Enterprise or Medium Enterprise under which it is registered and kindly attach a copy of your registration certificate.
- The Bidders shall provide details of registration along with copy of the registration certificate issued by the District Industries Centre / Department of Industries, etc of the respective State Government. It is to be noted that large scale industries and trading firms have been excluded from the purview of the Act.
- In case of failure to adhere to the time schedule by the Contractor, penalty will be levied at the discretion of Engineer In-charge considering extent of delay in particular job.

Manpower for Un-foreseen Activities: For Non-quantifiable / Un-foreseen jobs not clearly specified in this Scope of Work / Detailed Scope of Work, the Contractor shall supply manpower of various categories as per the decision of Engineer In-Charge for which the payment shall be made as specified in the Package – B : Schedule of Quantities and Price.

- The final quoted rates by the Bidder shall include cost of all consumables (except free issue materials by GIPCL), labour, supervision, tools and tackles, transport, taxes, octroi, local taxes and levies if any etc. and shall include any other cost, which is not specifically mentioned herein but will be incurred by the Contractor for the satisfactory and timely completion of the work.
- If at any time, it is found that the manpower deployed by the Contractor is not sufficient and Contractor is not in a position to deploy adequate manpower to complete the assigned (planned) work due to any reason, GIPCL shall have the option to deploy the workman or make alternative arrangement and the cost incurred will be deducted from the Contractor's RA bills as per the expenditure of GIPCL, which may be higher than the rates quoted by the Contractor. Moreover, in such cases GIPCL may also imposed penalty for non-deployment of adequate manpower. Even if the assigned job is not done through other agencies, but have suffered due to unavailability of Contractor's manpower, GIPCL may impose penalty.
- Penalty for non-availability of tools & tackles, less manpower, less preventive maintenance works, non-performance of the assigned work, etc. shall be as per common penalty clause in the contract.

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1.1 SPECIFIC REQUIREMENT

Contractor has to ensure round the clock, smooth and safe Handling (Operation), Maintenance (Mechanical) and Housekeeping of entire Ash handling system for 4 x 125 MW.

Contractor must ensure:

- Daily evacuation of ash from Boiler and ESP area to ash storage silos and unloading of ash from silos is a critical activity for smooth operation of Power Plant.

1.2 FAILURE DURING EMERGENCY

During any emergencies, Contractor shall have to carry out the work by deploying additional manpower within twenty-four (24) notice period failing to which GIPCL reserves the right to carry out this work by engaging other party. The expenditure occurred due to such situations, the Contractor will be held responsible & the same will be recovered from the Contractor's monthly bill / any other pending bills along with 10% overhead charges. For repetitive failure of such work for more than two incidents, GIPCL reserve the right to terminate the entire contract by forfeiting all pending dues, Security Deposit and other retention money, if any, after giving 15 days notice to the contractor& this will be binding to the contractor.

1.3 SCOPE OF CONTRACTOR

1. All types of material handling/transportation within the plant premises, tools & tackles, labours, equipments, vehicles, tractors, etc... to execute the contract are in the scope of the contractor. The contractor should ensure that tools & equipments are in healthy condition.
2. All the heavy equipments like Hydra, JCB, trailer etc. will be in the scope of the contractor. The contractor should ensure that the above equipments are in healthy condition. In case of Work suffer/Emergency situation and contractor failed to arrange the above, in that case GIPCL may provide the above said equipments on chargeable basis if available. However, such cases should remain exceptional.
3. All consumable items like cloth, cotton waste, kerosene, gas, diesel, lubricants, etc. will be in the scope of the contractor.
4. All safety / PPEs required during work at site are to be arranged by the contractor.
5. The Contractor shall have to provide necessary facilities including accommodation for their labour at their own cost.
6. The contractor has to arrange JCB, cultivators, breaker machines & tractor with trolleys for lifting/shifting the materials at their own on as & when required basis.
7. Contractor has to depute their full time experienced site-in-charge for work execution as per specification and for day to day work planning & coordination with respective department's Engineer-in-charge, to obtain day to day Location / Package wise work permits, to get daily location wise work supervision, to record Location / Package wise joint work done reports/measurements/trip certification, to prepare Location / Package wise separate bills, to prepare & apply Location / Package wise manpower gate pass, to maintain Location / Package wise statutory & legal compliance records, etc.
8. All resources required to execute the contract, not mentioned above shall be in contractor's scope.

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1.4 TO REMEDY DEFECTIVE WORK

If the work or any portion thereof shall be damaged in any way excepting by the acts of the GIPCL, or if defects not readily detected by proper inspection shall develop before the final completion and acceptance of the whole work, the CONTRACTOR shall forthwith make good, without compensation, such damage or defects in a manner satisfactory to the ENGINEER / GIPCL. In no case shall defective or imperfect work be retained even if Contractor followed all technical specifications. GIPCL will not compromise for quality of materials, works & workmanship.

The CONTRACTOR shall remain liable under the provisions of this clause notwithstanding the passing by the GIPCL of any certificate, final or otherwise or the passing of any accounts.

1.5 DAILY PROGRESS REPORT

A daily progress shall be provided to Engineer-in-charge. The CONTRACTOR will supply general information every day at 9:00 hours for the day preceding. Day to day instructions will be conveyed by GIPCL Engineer to contractor and contractor shall acknowledge same and submit compliance on it as per requirement. A work instruction book may be maintained by contractor for proper accounting & follow-ups. The CONTRACTOR'S representative shall report every day to see these instructions and acknowledge them. Alternatively, looking to COVID-19 pandemic, this diary / instruction report can also be executed / maintained digitally.

The CONTRACTOR shall supply all information regarding availability of manpower, equipment, tractors, machinery, etc.... and progress of work, as is required by the ENGINEER for compiling the ongoing progress of work.

2. PRICE & RATES

The rates quoted by the Bidder in the online Price Bid shall be inclusive of cost of all labour, supervision, cost of safety supervisor, shifting, transportation, loading, unloading, equipment, all tools & tackles, safety equipment & PPEs, Royalties, Rents, GST, Stamp Duties, Central or State Government or Local body or Municipal Taxes or Duties, Turn over Tax, Work Contract Tax, and / or any other duty / tax, levied by the Central, State Government or other Public bodies etc. and such other costs that are not specifically mentioned herein but will be incurred by the contractor for the satisfactory and timely completion of the work. The quoted rates shall be deemed to include for everything mentioned in the specification, all leads & lifts, Contractor's overheads & profits for due performance of the work under this contract and such other costs that are not specifically mentioned herein but will be incurred by the contractor for the satisfactory and timely completion of the work. The rates shall also include cost for mobilization / demobilization of manpower, equipment, materials, etc.

The rates shall be firm for entire contract period and also during extension, if required and shall not be subject to any escalation in prices, idle charges for labour, machinery, overhead expenses etc. No price escalation / idle charges shall be due to any reason whatsoever.

The prices / item rates quoted by Bidder shall remain firm till completion of the contract period and any agreed extensions thereafter and shall not be subject to any other escalation, idle charges for labour, machinery, overhead expenses etc. No price escalation

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/ idle charges shall be payable due to delay in work by contractor or due to non-availability of work front by GIPCL or any reason whatsoever.

Contractor shall at his expense comply with all labour and industrial laws and such other acts and statutes as amended from time to time as may be applicable to this contract in respect to pay etc. On account of any default in respect of all liabilities and in case of non-compliance of the above, the company can withhold their payments till all legal liabilities are discharged

The price / rate quoted by CONTRACTOR shall be considering mobilization of all required manpower, tools & tackles, materials, equipment for timely and satisfactory completion of all Scope of work.

The value and / or quantum of work may be increased or decreased depending upon day to day requirement. However, item rates remain unchanged and the payment shall be made as per the actual quantity executed as informed & certified by GIPCL representatives.

3. SUBMISSION OF TECHNICAL DOCUMENTS TO THE ENGINEER IN-CHARGE:

Contractor shall submit following documents to the Engineer In-charge for verification purpose of the invoice:

- **Measurement sheets along with joint record of work done in the form of joint inspection report** duly signed by authorized representative of Contractor and GIPCL Engineer. Bill will not be entertained without submission of above documents.

4. QUANTITY OF WORK

The estimated quantities of work required to be carried out by the Contractor are as given in the Package – B (Schedule of Quantities and Price). Estimated and shall vary according to the exigencies of work at site. However, the rates quoted by Bidder shall remain firm irrespective of any variation in estimated quantities. Contractors shall engage required nos. of labours along with required tools & tackles as per work load and emergency situations throughout the contract period to perform his contractual duties.

In case, contract quantity / amount exhausted before completion of contract period, GIPCL reserve the rights to increase the quantities or contract amount for successful completion of entire contract period. Contractor shall responsible to complete the particular job up to entire satisfaction of Engineer In-charge. The item rates remain firm & unchanged till completion of the contract and any agreed extensions thereafter and shall not be subject to any escalation, idle charges for labour, machinery, overhead expenses etc.... for any reason whatsoever. The quantum of work of individual item may be up to any extent depending upon requirement. However, item rate remains unchanged. Under this contract, contractor has to execute all work as per the Plant requirement.

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LIST OF MAJOR EQUIPMENTS IN ASH HANDLING SYSTEM

System		Phase	Supplied / Make	
Fly Ash		I	M/s. Mahindra & Mahindra Limited (MSL Division)	
		II	M/s. United Conveyor Corporation (I) Pvt. Ltd. (UCCI)	
Bed Ash		I	M/s. DC Industrial Plant Services (DCIPS)	
		II	M/s. United Conveyor Corporation (I) Pvt. Ltd. (UCCI)	
Sr. No.	Description	Installed Quantity (Nos.) in Ash Handling System (Phase I and Phase II)	Technical Details	
1	Reciprocation Air Compressor	4	Make: Kirloskar Pneumatic Co. Ltd. Model: TBTD-R2 M FAD: 50.53 m ³ /min Discharge Pressure: 7 kg/cm ²	
2	Screw Compressor	1	Make: Atlas Copco Ltd. Model: ZR 400 FAD: 45 Nm ³ /min Discharge Pressure: 8 kg/cm ²	
3	Twin Lobe Root Blower	8	Make: Kay International Ltd. Model :1422 AC FAD: 4572 CFM Discharge Pressure: 7.50 PSI	
4	Twin Lobe Root Blower	3	Make: Kay International Ltd. Model :76 WC FAD: 340 m ³ /Hr Discharge Pressure: 8000 mmWG	
5	Twin Lobe Root Blower	3	Make: Kay International Ltd. Model :78 AC FAD: 840 m ³ /Hr Discharge Pressure: 4000 mmWG	
6	Twin Lobe Root Blower	3	Make: Kay International Ltd. Model :76 AC FAD: 400 m ³ /Hr Discharge Pressure: 7000 mmWG	
7	Cooling water Pump	1	Make: SAM Turbo Industries Limited	
8	Sump Pump	4	Make: SAM Turbo Industries Limited	
9	Vent Fan	4	Make: WRC Engineering Company	
10	Air Dryer (Refrigerant Type)	1	Make: Exal Corporation.	
11	Air Dryer (Desiccant Type)	1	Make: Atlas Copco Ltd.	
11	Paddle Mixer	6		
12	Bag Filters	10		
13	Dense Phase Fly Ash Conveying Vessels	144		
14	Lean Phase Bed Ash Conveying Vessels	16		
15	Ash Silo (Type: RCC)	8	Storage Capacity: 450 MT to 1000 MT	

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16	Pipe Lines of various sizes (1” NB to 14” NB)	Approx.10000 meters	
17	Knife Gate Valves – Manual (100 NB to 350 NB)	Approx. 160 Nos.	
18	Knife Gate Valves – Pneumatic	Approx. 90 Nos.	
19	Gate Valves – Manual (0.5” NB to 200 NB)	Approx. 40 Nos.	
20	Ball Valves – Manual (0.5” NB to 200 NB)	Approx. 50 Nos.	
21	Butterfly Valves - Manual (40 NB to 300 NB)	Approx. 90 Nos.	
22	Butterfly Valves - Pneumatic (40 NB to 300 NB)	Approx. 500 Nos.	
23	Shear Disc Valves – Pneumatic (4” NB to 10”)	Approx. 72 Nos.	
24	Weigh Bridge	1	Capacity 50MT
25	Bulk Loading Spout	1	Make: DCL Bulk Technologies Ltd

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SECTION - E (Schedule of Quantities & Rates)

ESTIMATED SoR & QUANTITY for 2026-28 (PACKAGE-A LLHS)

Annexure -A HANDLING & MECHANICAL MAINTENANCE

PRICE SCHEDULE FOR HANDLING ANNEXURE A - 1

Sr. No.	Item Description	QTY for two years	UoM	Unit SOR without GST in Rs.	Amount in Rs.
1	COORDINATOR/SUPERVISOR (ILHS -OPERATION) QTY / DAY -3	2190	No	1259.75	2758859.04
2	COORDINATOR/SUPERVISOR (ELHS - OPERATION) QTY / DAY -3	2190	No	1259.75	2758859.04
3	COORDINATOR/SUPERVISOR (LSHS -OPERATION & MAINTENANCE) QTY / DAY -3	2190	No	1259.69	2758722.61
4	HANDLING OF M/C(SKILLED ELECT.) QTY / DAY - 15	10950	No	960.37	10516078.17
5	HANDLING OF (ELECT MCC.,SKILLED ELECT) QTY / DAY - 3	2190	No	960.37	2103215.63
6	HANDLING OF MILL (SKILLED MECH.) QTY / DAY (As and When require)	1	No	960.37	960.37
7	HANDLING OF VARIOUS LLHS LOCATIONS QTY / DAY - 46	33580	No	910.29	30567497.84
TOTAL in Rs.					51464192.70

Contractor shall ensure that each Location operator has to look after the area fixed by Engineer I/C.Total no. of manpower requirement for Handling may vary as per discretion of Engineer I/C. Payment will be made based on deployment of manpower as per directive of Engineer I/C.

PRICE SCHEDULE FOR PREVENTIVE MAINTENANCE ANNEXURE A - 2

Sr. No.	Item Description	QTY for two years	UoM	Unit SOR without GST in Rs. For first year	Amount in Rs.
PM-A1	FEEDER BREAKER/APRON FEEDER INCLUDING HYD. SYSTEM	1	NOS.	5008.36	5008.36
PM-A2	STACKER RECLAIMER / BUCKET WHEEL RECLAIMER INCLUDING HYD. SYSTEM	1	NOS.	7482.16	7482.16
PM-A3	CONVEYOR-LT DRIVE	1	NOS.	5005.83	5005.83
PM-A4	CONVEYOR-HT DRIVE	1	NOS.	5899.84	5899.84
PM-A5	BELT FEEDER / SHUTTLE FEEDER/ WEIGHFEEDER	1	NOS.	4111.63	4111.63
PM-A6	GEASING OF BEARING / COUPLING	2000	NOS.	452.92	905847.18
PM-A7	PRIMARY CRUSHER	1	NOS.	4111.63	4111.63
PM-A8	SECONDARY CRUSHER	1	NOS.	5005.74	5005.74
PM-A9	VIBRATING SCREEN	1	NOS.	3646.96	3646.96
PM-A10	ECCENTRIC DISC SCREEN	1	NOS.	4111.63	4111.63
PM-A11	AUXILIARIES OF DRY FOG SYSTEM- COMPRESSORS+ PUMP- INCLUDING FILTER CLEANING.-Krupp	1	SET	3646.96	3646.96

PM-A12	AUXILIARIES OF DRY FOG SYSTEM-COMPRESSORS+ PUMP- INCLUDING FILTER CLEANING.-Elecon	1	SET	3646.96	3646.96
PM-A13	AUXILIARIES OF DRY FOG SYSTEM-COMPRESSORS+ PUMP- INCLUDING FILTER CLEANING.-FLSmith	1	SET	3646.96	3646.96
PM-A14	Travelling tipper	1	NOS.	3829.33	3829.33
PM-A15	PLOUGH DIVERTER	1	NOS.	3646.96	3646.96
PM-A16	MILL COMPRESSOR WITH MVS' DRIER & AFTER COOLER	1	NO.	4111.63	4111.63
PM-A17	BALL MILL WITH DRYING CHAMBER	1	NO.	4111.63	4111.63
PM-A18	TABLE FEEDER	1	NO.	2047.00	2047.00
PM-A19	MAIN BAGFILTER	1	NO.	4111.63	4111.63
PM-A20	HAG SYSTEM	1	NO.	4799.85	4799.85
PM-A21	COOLING TOWER & FAN	1	NO.	3441.06	3441.06
PM-A22	VIBRATING FEEDER WITH SURGE HOPPER-LS	1	NO.	2047.00	2047.00
PM-A23	SCREW CONVEYORS (01QTY =03Nos)	1	NO.	2047.00	2047.00
PM-A24	ROTARY AIR LOCK FEEDER(01QTY=02Nos)	1	NO.	2047.00	2047.00
PM-A25	CYCLONE WITH GRIT SEPARATOR	1	NO.	4111.63	4111.63
PM-A26	K-PUMP & its with vent Filter	1	NO.	2047.00	2047.00
PM-A27	CONVEYING LINE VALVES GROUP -1 TOTAL -26 NOS[C1-8, & SKV 1-10, DVD 1-8]	1	NO.	3670.46	3670.46
PM-A28	INSTRUMENT AIR COMPRESSOR WITH DELAIR DRIER & AFTER COOLER.	1	NO.	4111.63	4111.63
PM-A29	CONVEYING AIR COMPRESSORS.	1	NO.	4111.63	4111.63
PM-A30	VENT FILTER AT BOILER AREA (01QTY=02Nos)	1	NO.	4111.63	4111.63
PM-A31	ID FAN	1	NO.	2047.00	2047.00
PM-A32	COOLING WATER PUMP.	1	NO.	2047.00	2047.00
PM-A33	VENTILLATION SYSTEM AT BCNLS:1 TUNNEL.	1	NO.	2047.00	2047.00
PM-A34	CONVEYING LINE VALVES GROUP -2 TOTAL - 21 NOS [S11,S12,S21,S22,S31,S32,S41,S42,S51,S52,S61,S62, SKV 11-13, DVD 9-14]	1	NO	2294.02	2294.02
PM-A35	ROTARY AIR LOCK FEEDER-D(01QTY=05Nos)	1	NO	3441.06	3441.06
Total in Rs.					1031451.92

PRICE SCHEDULE FOR PREDECTIVE MAINTENANCE ANNEXURE A - 3

Sr. No.	Item Description	QTY for two years	UoM	Unit SOR without GST in Rs. For first year	Amount in Rs.
PD1	COMPLETE SET OF CHAIN AND FLIGHT BAR OF FB/PAN ASSEMBLY OF APRON FEEDER REPLACEMENT	1	NOS.	80650.38	80650.38
PD2	REPLACEMENT OF PICK.	30	NOS.	452.88	13586.42
PD3	FLIGHT BAR REPLACEMENT	16	NOS.	4545.37	72725.86

PD4	REPLACEMENT OF SPROCKET OF F/B	1	NOS.	82905.57	82905.57
PD5	REPLACEMENT OF PICK HOLDER WITH PICK	60	NOS.	2063.68	123820.59
PD6	FEEDER BREAKER CHAIN LENGTH SHORTENING (ONE SET CONSISTS OF ALL 4 CHAINS)	6	SETS	6926.73	41560.35
PD7	FEEDER BREAKER / APRON FEEDER TAKE-UP TIGHTENING WITH HYDRAULIC JACK & PIPE WRENCH	12	NOS.	4200.00	50400.00
PD8	FLIGHT BAR HOLDING PLATE REPLACEMENT	26	NOS.	2500.00	65000.00
PD9	OIL SEAL REPLACEMENT OF SHAFT MOUNTED FLUID COUPLING ON SITE	1	NOS.	5562.91	5562.91
PD10	ALIGNMENT OF DRIVE (NO. OF COUPLE)	60	NOS.	9708.18	582491.08
PD11	THRUSTER BREAK REPLACEMENT	6	NOS.	4545.37	27272.20
PD12	BEARING CLEARANCE CHECKING BEARINGS FOLLOWED WITH GEARSE REPLACEMENT.	120	NOS.	1750.00	210000.00
PD13	SLEW BEARING GREASING MANUALLY (AT ALL THE 48 POINTS)	8	NOS.	2705.56	21644.49
PD14	ALL HAMMER REPLACEMENT / REVERSAL FOR PHASE-I SECONDARY CRUSHER	8	SET	59000.00	472000.00
PD15	ALL HAMMER -ARM SET REPLACEMENT FOR ELHS/LIMESTONE CRUSHER.	6	SET	80000.00	480000.00
PD16	HAMMER CRUSHER. V- BELT REPLACEMENT	15	SET	10982.33	164734.99
PD17	PRIMARY CRUSHER. V- BELT REPLACEMENT	8	SET	5491.17	43929.38
PD18	SPIKE BUILT UP/ HARD FACING FOR PRIMARY CRUSHER	10	NOS	5491.17	54911.73
PD19	V-BELT REPLACEMENT OF COMPRESSOR/BLOWER/FAN	12	SET	3200.00	38400.00
PD20	OIL REPLACEMENT/TOP UP - UP TO 15 LTRS INCLUDING FUSIBLE PLUG REPLACEMENT	300	NOS.	1352.77	405830.17
PD21	OIL REPLACEMENT UP TO 50 LTRS INCLUDING FUSIBLE PLUG REPLACEMENT	150	NOS.	2699.69	404952.90
PD22	OIL REPLACEMENT MORE THAN 50 LTRS INCLUDING FUSIBLE PLUG REPLACEMENT	100	NOS.	3599.57	359957.00
PD23	PAN REPLACEMENT OF APRON FEEDER	4	NOS.	3599.57	14398.29
PD24	PAN LINK WITH PIN& PAN REPLACEMENT @ ONE/BOTH END OF APRON FEEDER AFTER SHEAR	10	NOS.	13853.45	138534.51
PD25	REPLACEMENT OF DECK ROLLER / RETURN ROLLER FOR A/F	40	NOS	1799.79	71991.45
PD26	REPLACEMENT OF HYD.MOTOR /PUMP OF HYD SYSTEM	2	NOS.	18284.57	36569.14

PD27	REPLACEMENT OF IDLER ROLLER (CARRYING / RETURN)	3000	NOS.	373.76	1121275.46
PD28	REPLACEMENT OF IDLER FRAME WITH ROLLER(CARRYING / RETURN)	300	SET	1372.78	411835.02
PD29	REPLACEMENT OF IDLER FRAME WITH ROLLER(IMPACT)	120	SET	2745.58	329469.59
PD30	PREPARATION OF GARLAND ASSEMBLY (CARRYING / RETURN)	400	SET	452.88	181152.26
PD31	PAN ASSEMBLY SAGMENT OF APRON FEEDER REPLACEMENT	9	Mtr	4600.00	41400.00
PD32	REPLACEMENT OF GARLAND ASSEMBLY (CARRYING / RETURN)	800	SET	872.10	697682.51
PD33	PROVIDING BELT FASTENER IN THE CONVEYOR BELT AFTER LONGITUDINAL CUT	1500	NOS.	150.00	225000.00
PD34	SKIRT RUBER ADJUSTMENT / REPLACEMENT	800	MTRS	996.69	797351.44
PD35	SKIRT RUBBER REPLACEMENT WITH SEALING RUBBER	800	MTRS	996.69	797351.44
PD36	SKIRT RUBBER REPLACEMENT WITH MOUNTING PLATE/ FIXING BOLTS FOLLOWED WITH RUBBER SHEET AT BOTTOM AND PLATE WASHER.	400	MTRS	2272.68	909073.25
PD37	REPLACEMENT OF BUCKET	8	NOS.	7741.16	61929.28
PD38	REPLACEMENT OF FEED TABLE FRAME ALONG WITH ROLLERS.	8	NOS.	2745.58	21964.64
PD39	NYLON-NYLON BELT LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE & PROPERLY STORED. <50MTR	24	No.	82188.24	1972517.73
PD40	NYLON-NYLON BELT LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE & PROPERLY STORED FOR LS AREA. <50MTR & width Less than 1000 MM	10	No.	32875.29	328752.93
PD41	NYLON-NYLON BELT LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE & PROPERLY STORED. FOR EVERY MTR AFTER 50	3500	MTRS	164.36	575264.50
PD42	NYLON-NYLON BELTJOINT REVIVAL WORK INSITU	45	NOS.	41094.12	1849235.37
PD43	PULLING & POSITIONING NYLON- NYLON BELT ENDS SEPARATED AFTER FAILURE OF JOINT OR SOME OTHER REASONS	8	NOS.	82188.24	657505.91
PD44	PULLING & POSITIONING NYLON- NYLON BELT ENDS SEPARATED AFTER FAILURE OF JOINT OR SOME OTHER REASONS having width less than 1000 MM	6	NOS.	32875.29	197251.76
PD45	NYLON-NYLON BELTJOINING AT GROUND	16	NOS	21964.68	351434.86

PD46	NYLON-NYLON BELT (BELT FEEDERS) LAYING AFTER REMOVAL OF OLD BELT FROM STRCTURE AND COLD JOINT	12	NOS.	47984.98	575819.74
PD47	NYLON-NYLON BELT (BELT FEEDERS) LAYING AFTER REMOVAL OF OLD BELT FROM STRCTURE AND HOT JOINT	24	NOS.	61694.98	1480679.48
PD48	STEEL CORD BELT LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE & PROPERLY STORED. <50MTR	8	NOS.	98625.89	789007.13
PD49	STEEL CORD BELT LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE & PROPERLY STORED.FOR EVERY MTR AFTER 50 MTR	1250	MTRS	180.00	225000.00
PD50	STEEL CORD BELTJOINT REVIVAL WORK INSITU	12	NOS.	65750.59	789007.03
PD51	PULLING & POSITIONING STEEL-CORD BELT ENDS SEPARATED AFTER FAILURE OF JOINT OR SOME OTHER REASONS	2	NOS.	98625.89	197251.78
PD52	STEEL CORD BELTJOINING AT GROUND	8	NOS.	32947.03	263576.20
PD53	HOT REPAIR OF CONVEYOR INCLUDING MACHINE SHIFTING(HEATER PLATE OF ANY SIZE)	300	No	7475.17	2242550.93
PD54	HOT REPAIR OF CONVEYOR INCLUDING MACHINE, INSTALLATION, REMOVAL & SHIFTING (BY VULCNISING M/C)	6	NOS.	16000.00	96000.00
PD55	COLD PATCH OF SMALL CUTS AFTER PROPER SPLICING,JOINT REPAIR,TOP AND BOTTOM COVER ON LONGITUDINAL CUTS < 1 MTR PERIPHERY & ADDITIONAL QTY 1 NO. FOR EVERY 1 MTR CIRCUMFERENCE	500	NOS.	800.00	400000.00
PD56	PREPARATION & STORAGE OF BELT FOR LIMESTONE FROM OLD BELT	700	MTRS	350.00	245000.00
PD57	COUPLE & DECOUPLE OF DRIVES	30	NOS.	905.77	27173.23
PD58	REPLACEMENT OF RESILENT MEMBER OF COUPLING (INCLUDE COUPLE & DECOUPLE, FILL GREASE / OIL IF REQUIRED)	50	SET	1623.56	81177.86
PD59	REPLACEMENT OF COUPLING HUB (WITH PULLER/ JACK / JUGGAD) .FOR SHAFT DIAMETER <85MM	40	NOS.	3800.00	152000.00
PD60	REPLACEMENT OF COUPLING HUB (WITH PULLER/ JACK / JUGGAD).FOR SHAFT DIAMETER >=85MM	30	NOS.	6328.65	189859.36
PD61	REVIVAL OF SCOOP TYPE FLUID COUPLING	2	NOS.	23981.92	47963.85
PD62	REVIVAL OF GEAR BOX LT DRIVE	6	NOS.	13814.26	82885.56
PD63	REVIVAL OF GEAR BOX HT DRIVE	1	NOS.	21879.63	21879.63
PD64	REVIVAL OF CHAIN-PULLEY BLOCKS	2	NOS.	38.00	76.00

PD65	BELT SCRAPER REVIVAL INCLUDING REMOVAL, FIXING & ALIGNMENT AT LOCATION & SEALING	36	NOS.	4604.76	165771.27
PD66	BELT SCRAPER FABRICATION, SUPPORT WELDING, FIXING & ALIGNMENT AT LOCATION WITH ASSOCIATED CUTTING /WELDING & SEALING	36	NOS.	8157.31	293663.02
PD67	PLOUGH - PU STRIP REPLACEMENT/ADJUSTMENT	32	NOS.	2705.56	86577.94
PD68	SCREEN-V-BELT REPLACEMENT	4	SET	3000.00	12000.00
PD69	MILL GRINDING BALL CHARGING. (FOR DETAIL SCOPE REFER ANNEXURE H)	100	MT	5000.00	500000.00
PD70	MILL LINER BOLT REPLACEMENT WORK	65	NOS.	4200.00	273000.00
PD71	MILL LINER BOLT TIGHTENING	220	NOS.	181.16	39854.65
PD72	MILL BRG LUB SYSTEM CLEANING AND OIL REPLACEMENT WORK	14	NOS.	3623.08	50723.19
PD73	LIME STONE AND ELHS CRUSHER'S DOOR OPENING PLUS CLOSING FOR INSPECTION	32	NOS.	4200.00	134400.00
PD74	FLAP GATE: WELDING OF FLAP AFTER PROPER POSITIONING ON SHAFT	4	NOS.	6962.60	27850.42
PD75	DUST SEALING OF LS VIBRATING SCREEN WITH CANVAS CLOTH OR FILTER CLOTH	100	MTR	1811.54	181153.58
PD76	REPLACEMENT OF PUNCHED DECK PLATE WITH HOLDING DEVICE	20	NOS.	4564.13	91282.68
PD77	REPLACEMENT/CLEANING OF BAG FILTER VNT FILTER BAGS WITH OR WITHOUT CAGES. (Max Qty-2 /Incident AS AND WHEN REQ)	35	NOS.	1352.77	47346.85
PD78	REPLACEMENT/CLEANING OF BAG FILTER BAGS WITH OR WITHOUT CAGES. (TOTAL QUANTITY INSTALLED IN B/F) DURING O/H OF BAG FILTER	3000	NOS	90.58	271736.28
PD79	O/H OF COOLING TOWER	2	NOS.	16652.85	33305.70
PD80	O/H OF COOLING WATER PUMP	2	NOS.	5562.91	11125.81
PD81	O/H OF CONVEY AIR COMPRESSOR WITH AFTER COOLER	12	NOS.	34633.65	415603.84
PD82	O/H OF MILL COMPRESSOR	12	NOS.	7386.20	88634.44
PD83	O/H OF INST. AIR COMPRESSOR WITH AFTER COOLER / DSS COMPRESSOR	6	NOS.	5562.91	33377.43
PD84	O/H OF AIR DRYER	2	NOS.	5562.91	11125.81
PD85	SERVICING OF REGISTER BURNER OF HAG	6	NOS.	5562.91	33377.43
PD86	REPAIRING OF JOINT BY COLD PROCESS	4	NOS.	1823.29	7293.14
PD87	SERVICING/REPLACEMENT OF VLVS-C.A.C- & IAC	100	NOS.	458.76	45875.54
PD88	SERVICING/REPLACEMENT OF VLVS-MILL COMP	30	NOS.	458.76	13762.66

PD89	SERVICING OR REPLACEMENT OF NRV/Slide Disc valve/Butterfly valve	30	NOS.	2752.57	82577.15
PD90	CLEANING AND TUBE LEAKAGE ATTENDING WORK ON AFTER COOLER/ AFTER COOLER REPLACEMENT/OIL COLLER	18	NOS.	5562.91	100132.30
PD91	OIL SEAL REPLACEMENT WORK COMPRESSOR	10	NOS.	11125.81	111258.11
PD92	WATER JACKET CLEANING WORK	16	NOS.	4604.76	73676.12
PD93	COMPRESSOR: BELT RESETTING WORK FOLLOWED WITH LINE DORI ALIGNMENT	8	NOS.	3000.00	24000.00
PD94	O -RING OR GASKET REPLACEMENT WORK	30	NOS.	1376.29	41288.77
PD95	COOLING TOWER: CLEANING OF WATER BASIN AND SPRINKLER PIPE AND ELIMINATOR ADJUSTMENT	2	NOS.	9209.52	18419.03
PD96	SERVICING & INTERNAL JACKET CLEANING OF 'K'-PUMP WITH DOME VALVE LUBRICATION	12	NOS.	7421.48	89057.74
PD97	SERVICING / OH OF DOME VALVE.300NB,250NB,200NB	50	NOS.	7421.48	371073.92
PD98	K-PUMP: REPLACEMENT &SERVICING OF 100NB SIZE, DV;4 OR 5 OR SEAL REPLACEMENT	20	NOS.	2752.57	55051.44
PD99	K-PUMP: REPLACEMENT OF CONE VALVE	6	NOS.	367.01	2202.04
PD100	SEAL REPLACEMENT OF 300NB,250NB,200NB	50	NOS.	4200.00	210000.00
PD101	REPLACEMENT OF 300NB,200NB DOME VLVS	40	NOS.	4800.00	192000.00
PD102	REPLACEMENT /SERVICING OF 250NB, 300 NB SIZE SWITCH OVER VALVE OR ITS SEAL REPLACEMENT AT BUNKER	8	NOS.	12000.00	96000.00
PD103	REPLACEMENT /SERVICING OF 300 NB SIZE SKV VALVE OR ITS SEAT REPLACEMENT AT BUNKER	5	NOS.	11125.81	55629.05
PD104	CONVEY LINE CHOKER UP REMOVAL WORK AFTER OPENING OF CONVEY LINES	20	NOS.	16473.51	329470.12
PD105	REPLACEMENT / SERVICING OF OIL LUB. PUMP/DSS PUMP	16	NOS.	2900.00	46400.00
PD106	MILL'S GIRTH GEAR SEAL REPLACEMENT	3	NOS.	7246.18	21738.55
PD107	SERVICING/ REPLACEMENT OF LRS DRIVE ARRENGMENT	6	NOS.	2752.57	16515.43
PD108	GIRTH GEAR & PINION ROOT CLEARANCE AND BACKLASH CHECKING WORK	8	NOS.	3646.60	29172.77
PD109	GIRTH GEAR & PINION ROOT CLEARANCE & BACKLASH ADJUSTMENT FOLLOWED WITH ALIGNMENT OF DRIVES	1	NOS.	58141.50	58141.50

PD110	BAG FILTER/VENT FILTER HOSE PIPE REPLACEMENT WORK	100	NO	452.88	45288.07
PD111	SCREW CONV: JAMMING REMOVAL WORK	10	NOS.	5527.03	55270.26
PD112	SCREW CONV/ RAL: REPLACEMENT OF BEARING WITH ALIGNMENT	10	NOS.	5562.91	55629.05
PD113	REPLACEMENT OF GEARED MOTOR FOLLOWED WITH ALIGNMENT	8	NOS.	6962.60	55700.84
PD114	REMOVAL & FIXING OF SMALL(LESS THEN 10 KW) MOTOR FOR ELECTRICAL MINTENACE / CHECKING	40	NOS.	1835.06	73402.44
PD115	REPLACEMENT/SERVICING OF HFO PUMP.	10	NOS.	4400.00	44000.00
PD116	HAG: OIL SEAL REPLACEMENT OF HFO PUMP	12	NOS.	2100.00	25200.00
PD117	HAG:SERVICING OF DA FAN DAMPER	8	NOS.	5562.91	44503.24
PD118	HAG: SERVICING OF DA FAN WITH DAMPER	8	NOS.	11125.81	89006.49
PD119	SERVICING OF CA FAN OR VENT FAN ON PRODUCT HOPPER	8	NOS.	5562.91	44503.24
PD120	HOT AIR GENERATOR: FLUSHING OF SYSTEM LINES (OIL,AIR,LPG)	8	NOS.	1835.06	14680.49
PD121	CLEANING OR REPLACEMENT OF OIL/AIR FILTER	100	NOS.	458.76	45875.54
PD122	CLEANING OF DAY OIL TANK WITH REPLACMNET OF WIRE	4	NOS.	4127.34	16509.36
PD123	HAG: PRV /OIL FLOW CONTROL VLV SERVICING OR REPLACEMENT	8	NOS.	2835.25	22682.01
PD124	REPLACEMENT /REPAIRING OF VIBRO FEEDER WITH OR WITHOUT ATTENDIND CRACK ON TUBULER.	3	NOS.	16500.00	49500.00
PD125	SERVICING OF CA FAN WITH DAMPER	8	NOS.	5562.91	44503.24
PD126	RAL FDR :JAMMING REMOVAL WORK	20	NOS.	2705.56	54111.21
PD127	SERVICING OR BOTH BEARING REPLACEMENT OF ID FAN INCLUDING DRIVE ALIGNMENT	2	NOS.	16688.70	33377.41
PD128	BALL MILL : JAMMING REMOVAL FROM OUTLET FEED CHUTE	18	NOS.	3800.00	68400.00
PD129	BALL MILL : JAMMING REMOVAL FROM INLET CHUTE	18	NOS.	7246.18	130431.29
PD130	Replacement of Fusible Plug	15	Nos.	452.88	6793.21
PD131	Replacement of Sump Pump/Submersible pump	12	Nos.	4545.37	54544.39
PD132	Overhauling of Sump Pump/Submersible pump	6	Nos.	10939.80	65638.82
PD133	SERVICING OF ELECTRIC HOIST & WINCH MACH AT LOCATION	10	Nos.	5800.00	58000.00
PD134	SERVICING OF HOT PATCH /RIP REPAIR MACHINE	4	Nos.	3400.00	13600.00
PD135	SERVICING OF VULCANIZING MACHINE	8	Nos.	7199.16	57593.27
PD136	ASSISTING FOR MIC.MACHINING WORK	25	Nos.	1279.14	31978.56

PD137	PLY REMOVAL WORK FROM OLD BELT	300	Square meter	359.95	107984.81
PD138	OIL LEAKAGE ATTENDING BY REPLACEMENT / REFITTING OF BREATHER /OIL LEVEL INDICATOR/ DRAIN PLUG/COVER	30	Nos.	905.77	27173.23
PD139	INSPECTION DOOR SEALING WORK	20	Nos.	1811.54	36230.72
PD140	HOSE REEL WITH PIPING & ACCESSORIES FIXING WORK	8	Nos.	4545.37	36362.93
PD141	REFURBISHMENT OF IDLER FRAME	150	Nos.	872.10	130815.47
PD142	ALIGNMENT CHECKING BY DIAL /LASER /SHIM METHOD	20	Nos.	3646.60	72931.94
PD143	REPLACEMENT OF IMPACT IDLER	300	Nos.	599.93	179979.94
PD144	PAN LINK LENGTH SHORTENING	4	Nos.	13853.44	55413.75
PD145	REPLACEMENT OF ROTATING ASSEMBLY OF SCOOP COUPLING AT SITE	2	Nos.	20779.76	41559.51
PD146	Painting of corroded structure while repairing of Equipment including paint material	700	M ²	185.53	129873.80
Total in Rs.					30509879.44

PRICE SCHEDULE FOR BREAKDOWN MAINTENANCE ANNEXURE A - 4

Sr. No.	Item Description	QTY for two years	UoM	Unit SOR without GST in Rs. For first year	Amount in Rs.
BD1	REPLACEMENT OF GEAR BOX -LT DRIVE	4	NOS.	14798.10	59192.40
BD2	REPLACEMENT OF GEAR BOX -HT DRIVE	2	NOS.	21975.21	43950.41
BD3	WEDGE / BOLT /TEETH FITTING IN BUCKETS.	24	NOS.	474.78	11394.63
BD4	SLEW DRIVE TOP BEVEL G/B SERVICING OR REPLACEMENT	6	NOS.	3847.68	23086.07
BD5	CLUTCH CHANGING OF SLEW DRIVE.	4	NOS.	8000.00	32000.00
BD6	SHIFTING OF BOOM CONVEYOR TAIL PULLEY AT ALTERNATE BASE WITHIN 500MM FROM ORIGINAL BASE	4	NOS.	5984.09	23936.34
BD7	SHRINC DISC TIGHTENING	2	NOS.	2854.76	5709.51
BD8	REMOVAL, REPAIRING , INSTALLATION OF IMPACT PADS.	8	MTR length of belt	18500.00	148000.00
BD9	GEAR BOX BEARING REPLACEMENT AND /OR GEAR REPLACEMENT (ONSITE BY OPENING TOP COVER)	10	NOS.	19000.00	190000.00
BD10	REPLACEMENT OF PULLEY ALONG WITH BEARING AND PLUMMER BLOCK AND LEVELLING & FREENESS(UP TO SHAFT DIA 100 MM AT BEARING)	12	NOS.	21531.37	258376.41

BD11	REPLACEMENT OF HEAD PULLEY ALONG WITH BEARING AND PLUMMER BLOCK AND LEVELLING & FREENESS	2	NOS.	43062.75	86125.50
BD12	REPLACEMENT OF PULLEY ALONG WITH BEARING AND PLUMMER BLOCK AND LEVELLING & FREENESS(SHAFT DIA MORE THAN 100 MM AT BEARING)	8	NOS.	21531.37	172250.94
BD13	REPLACEMENT OF BEARING AND / OR PLUMMER BLOCK (UPTO BEARING I.D 100MM)	24	NOS.	4805.84	115340.14
BD14	REPLACEMENT OF BEARING AND / OR PLUMMER BLOCK (BEARING I.D MORE THAN 100MM)	48	NOS.	4805.98	230687.23
BD15	SCRAPER ADJUSTMENT	118	NOS.	955.80	112783.83
BD16	MAIN SHAFT BEARING CHANGING OF SCREEN	1	NOS.	23955.06	23955.06
BD17	V-BELT PULLEY CHANGING / OR CARDON SHAFT CHANAGING (ANY EQUIPMENT)	12	NOS.	5400.00	64800.00
BD18	RUBBER BELLOW / PAD /SPRING CHANGING OF SCREEN/ VIBRO FEEDER	16	NOS.	3565.64	57050.21
BD19	REPLACMENT OF HOLDING DEVICE OF SCREEN	30	No	6492.85	194785.47
BD20	ROLL SHAFT BEARING REPLACEMENT	6	NOS	8650.51	51903.05
BD21	COMPLETE ROLL SHAFT ASSEMBLY REPAIRING / REPLACEMENT	2	NOS.	19378.23	38756.46
BD22	STONE BOX PROVIDING WORK AT SITE IN ANY CHUTE WITH OR WITHOUT LINER PLATE	20	SQUA RE METE R	11363.45	227269.00
BD23	REPLACEMENT OF PIPE AND ITS ACCESSORIES FOR WATER AND AIR APPLICATION INCLUDING CUTTING/WELDING	400	Inch- Mtr	498.34	199337.86
BD24	MISC. STRUCTURAL AND TECHNOLOGICAL STRUCTURE FABRICATION (WEIGHT >300KG)	80	MT	14293.62	1143489.82
BD25	MISC. STRUCTURE AND TECHNOLOGICAL STRUCTURE ERECTION (WEIGHT >300KG)	80	MT	16681.04	1334483.25
BD26	MISC. STRUCTURE AND TECHNOLOGICAL STRUCTURE REERECTION (WEIGHT >300KG)	25	MT	4774.85	119371.23
BD27	MISC. STRUCTURE AND TECHNOLOGICAL STRUCTURE REMOVAL (WEIGHT >300KG)	40	MT	7162.29	286491.73
BD28	FABRICATION, REMOVAL,ERECTION ,REERECTION OF TECHNOLOGICAL OR STRUCTURAL STRUCTURE OF WEIGHT <50KG	550	NOS.	4300.00	2365000.00

BD29	FABRICATION, REMOVAL,ERECTION ,REERECTION OF TECHNOLOGICAL OR STRUCTURAL STRUCTURE OF WEIGHT MORE THAN 50KG AND LESS THAN 150KG	200	NOS.	5606.38	1121275.46
BD30	FABRICATION, REMOVAL,ERECTION ,REERECTION OF TECHNOLOGICAL OR STRUCTURAL STRUCTURE OF WEIGHT MORE THAN 150 KG AND LESS THEN 300KG	100	NOS.	10589.82	1058982.38
BD31	HAND RAILING FABRICATION & REPLACEMENT WITH TOE GUARD	300	Runni ng Meter Panel	2854.76	856426.64
BD32	INITIAL WELDING (IN SITU) UPTO 1 METER (IF MOBALIZE SEPERATELY FOR JOB)	52	NO	3798.08	197500.07
BD33	WELDING (IN SITU) AFTER 1 METER	208	MTR	573.44	119275.04
BD34	INITIAL GAS CUTTING (IN SITU)UPTO 1 METER (IF MOBALIZE SEPERATELY FOR JOB)	26	NO	3798.08	98750.04
BD35	GAS CUTTING (IN SITU) AFTER 1 METER	104	MTR	382.28	39756.98
BD36	REVIVAL OF ACTUATOR	2	NOS.	3847.68	7695.36
BD37	DUST SEALING WITH CANVAS CLOTH OR WITH THIN RUBBER SHEET.	300	SQ. MTR	4283.46	1285038.19
BD38	OIL SEAL AND / OR FAN ASSEMBLY CHANGING FOR GEAR BOX ON SITE (FOR LT DRIVE MOTOR)	2	NOS.	5763.99	11527.97
BD39	OIL SEAL AND / OR FAN ASSEMBLY CHANGING FOR GEAR BOX ON SITE(FOR HT DRIVE MOTOR)	2	NOS.	18194.44	36388.87
BD40	REPLACEMENT OF HOLD BACK OF GEAR BOXES	4	NOS	2879.57	11518.27
BD41	TAKE UP LIFTING INCLUDING CUTTING/WELDING FOR BEARING CHECKING, BELT TRAINING , PULLEY LAGGING OR ANY OTHER WORK	40	NO	9000.00	360000.00
BD42	BELT TRAINING BY ADJUSTING GRAVITY TAKE UP/SCREW TAKE UP GUIDE WITH PLY FIXING ON PULLEY AND WITHOUT TAKEUP LIFTING	1000	NO	477.85	477851.59
BD43	SPROCKET REPLACEMENT OF SFDS/ PCRD /CCRD	8	NO	3798.08	30384.63
BD44	GEARBOX REPLACEMENT FOLLWED WITH ALIGNMENT FOR PCRD/CCRD	2	NO	3847.68	7695.36
BD45	DRIVE CHAIN REPLACEMENT OR SHORTNING OF CHAIN DRIVE	10	NO	3798.08	37980.78
BD46	PCRD/CCRD-REPLACEMENT OF C CLAMP,TRAP FOLLWED WITH TROLLEY SETTING	12	NO	4400.00	52800.00
BD47	CHECKING OF EQUIPMENT/SUB EQUIPMENT FOR INTERNAL DEFECT	300	NO	955.72	286714.89

BD48	GAP ADJUSTEMENT BETWEEN HAMMER & BREAKER PLATE WITH HYDRAULIC JACK AND SCOOP TUBE REVERSAL AND LIMIT ADJUSTMENT	30	NOS.	4200.00	126000.00
BD49	JACK SHAFT BEARING REPLACEMENT	10	NOS.	14354.24	143542.36
BD50	ROTOR BEARING REPLACEMENT OF CRUHSER	1	NOS.	85902.51	85902.51
BD51	SHEAR PIN CHANGING	6	NOS.	5500.00	33000.00
BD52	RESETTING OF TWISTED V-BELT SET FOLLOWED WITH TENSIONING & ALIGNMENT AND TIGHTENING	36	NOS.	6800.00	244800.00
BD53	REPLACEMENT OF CONSTANT FILLTYPE FLUID COUPLING (FOR LT DRIVE)	8	NOS.	5763.99	46111.90
BD54	REPLACEMENT OF FLUID COUPLING (FOR HT DRIVE,SCOOP TYPE)	8	NOS.	10263.99	82111.90
BD55	REPLACEMENT OF OIL COOLER	3	NOS.	11968.13	35904.40
BD56	REVIVAL OF CONSTANT FILLTYPE FLUID COUPLING .	2	NOS	11543.07	23086.15
BD58	WIRE ROPE SETTING ON DRUM	14	NO	3847.68	53867.50
BD59	BRAKE SHOE CHANGING OR / AND ADJUSTMENT	14	NO	3200.00	44800.00
BD60	WIRE ROPE REPLACEMENT	750	MTR	191.15	143359.42
BD61	ACTUATOR REPLACEMENT WITH GEAR BOX	4	NO	4805.84	19223.36
BD62	FREENESS OF FLAP GATE MOVEMENT BY REPLACING BULGED LINER INSIDE THE CHUTE	6	NO	5726.82	34360.92
BD63	WELDING OF FLAP GATE BODY MAIN SHAFT ON SITE	2	NO	4774.85	9549.70
BD64	REGENERATION OF KEY WAY OF MAINSHAFT AND HUB	2	NO	4774.85	9549.70
BD65	HYD CYLINDER CHANGING PISTON DIA LESS THEN 100 MM	2	NO	4805.84	9611.68
BD66	FLEXIBLE HOSE WITH FITTINGS CHANGING WORK	50	NO	955.72	47785.82
BD67	PIPELINE CHANGING AFTER FERROULING	110	MTR	1193.72	131308.71
BD68	HYDRAULIC PIPE WITH FITTING REPLAEMENT INCLUDING BENDING AND FERROUL/THREADING OR STUB END CONNECTION WELDING	20	NO	4360.52	87210.31
BD69	ILMS REPOSITIONING OR ROPE REPLACEMENT/ADJUSTMENT	4	NO	5000.00	20000.00
BD70	Hydraulic cylinder servicing work for piston dia less than 100 mm	2	No	7695.38	15390.77
BD71	PRE FABRICATED CHUTE REPLACEMENT UPTO 10 MTR HEIGHT	3	MT	35904.42	107713.27
BD72	PRE FABRICATED CHUTE REPLACEMENT MORE THAN 10 MTR HEIGHT	6	MT	47872.56	287235.34
BD73	PRE FABRICATED TAKE UP COUNTER WT BOX REPLACMENT	2	NOS	85902.51	171805.01
BD74	TAKE UP GUIDE PIPE REPLACEMENT	100	M	3488.41	348841.26

BD75	REPLACEMENT OF TAKE UP 'C' FRAME (PRE FABRICATED)	2	SET	51541.50	103082.99
BD76	TAIL FRAME REPLACEMENT OF CONVEYOR (PRE FABRICATED)	4	NO.	51541.50	206165.98
BD77	HEAD FRAME REPLACEMENT OF CONVEYOR(PRE FABRICATED)	1	NO.	85902.51	85902.51
BD78	TAIL FRAME REPLACEMENT OF FEEDER (PRE FABRICATED)	3	NO.	30602.53	91807.59
BD79	HEAD FRAME REPLACEMENT OF FEEDER (PRE FABRICATED)	3	NO.	51541.50	154624.49
BD80	MANUAL POSITION OF FLAP GATE/RP GATE BY CHAIN BLOCK	24	NO	3200.00	76800.00
BD81	RECLAMATION OF OLD FLIGHT BAR	40	NO.	803.00	32120.00
BD82	RECLAIMING OF OLD HAMMERS OF ELHS CRUSHER	84	NO.	965.61	81111.47
BD83	OPENING OF OLD CHAIN CONNECTOR	8	NO.	965.61	7724.90
BD84	MANUAL POSITION OF SFD'S /RSBFDS BY MEANS OF CHAIN PULLEY BLOCK	12	NO.	3798.08	45576.94
BD85	CORD CUTTING BY GAS CUTTING	48	NO. OF INCIDENT	4200.00	201600.00
BD86	CORD CUTTING BY MEANS OF CORD CUTTER	100	NO. OF INCIDENT	961.91	96190.65
BD87	REPLACEMENT OF BREAKER ASSEMBLY OF SECONDARY CRUSHER	1	SET	86125.48	86125.48
BD88	LINER REPLACEMENT OF CONVEYOR CHUTE	24	M ²	7596.16	182307.76
BD89	LINER REPLACEMENT OF CRUSHER	24	No	1911.45	45874.70
BD90	HAMMER- ARM SET REPLACEMENT WITH SHAFT OF CRUSHER (PER ROW)	24	NO	14279.93	342718.28
BD91	HAMMER HEAD REPLACEMENT OF CRUSHER (PER ROW)	50	NO	7139.98	356998.86
BD92	RAIL ALIGNMENT WORK INCLUDING PROVIDING SUPPORTS	200	No. of Padestal	996.69	199337.86
BD93	RE-TIGHTENING OF V BELT	24	NO	3200.00	76800.00
BD94	ADDING /REMOVAL OF WEIGHTS FROM TAKE UP	10	MT	4741.39	47413.88
BD95	SCOOP TUBE ASSEMBLY/ SCOOP TUBE SEAL REPLACEMENT OF SCOOP COUPLING INCLUDING ALIGNMENT	4	NO	4805.84	19223.36
BD96	REPOSITIONING OF HOLLOW SHAFT GEAR BOX WITH ITS SHAFT	4	NO. OF INCIDENT	4805.84	19223.36
BD97	CRUSHER FLYWHEEL/ BUSH REPLACEMENT	2	NO	28708.49	57416.97

BD98	DQEV / LON CLEANING OF SCOOP COUPLING	10	SET	1452.18	14521.78
BD99	ASSISTING WITH JOINTER FOR PULLEY LAGGING OF CONVEYOR	16	NO. OF PULL EY	9487.76	151804.11
BD100	FIXING OF ANY ELECTRICAL OR C&I ANY EQUIPMENT (SWITCH/ PANEL ETC)	24	NO. OF INCID ENT	4671.98	112127.55
BD101	TORQUE SETTING OF ANY CLUTCH/COUPLING/GEARBOX TORQUE UNIT	4	NO.	1911.45	7645.78
BD102	REPLACEMENT / SERVICING OF LUB OIL PUMP OF SCOOP COUPLING OR ANY LUBRICATION SYSTEM	4	NO.	3798.08	15192.31
BD103	RESETTING OF TWISTED CHAIN OF FEEDER BREAKER	4	NO. OF INCID ENT	11968.13	47872.53
BD104	RERAILMENT OF TAKEUP TROLLEY	3	NO.	17031.84	51095.53
BD105	FREENESS OF TRAVEL WHEEL OF ANY TROLLEY/TIPPER	4	NO.	4200.00	16800.00
BD106	REPLACEMENT OF GUIDE ROLLER OF RPG	12	NO.	949.51	11394.16
BD107	LS SCREEN: DECK PLATE SUPPORT STRUCURE REVIVAL WORK	10	NO	46588.03	465880.26
BD108	PRESSURE VESSELS: REPLACMENT /SERVICING OF SAFTEY VLV	10	NO	1742.63	17426.29
BD109	COMPRESSOR: OIL SCRAPER RING REPLACMENT	16	NO	5187.59	83001.48
BD110	CONVEY LINE VLVs: DOME VLV/ Knife gate Valve JAMMING REMOVAL WORK	20	NO	1720.29	34405.73
BD111	CONVEY LINE CHANGE OVER WORK BY REMOVAL & PROVIDING OF DUMMEY AND DISTANCE PIECE	36	NO	3000.00	108000.00
BD112	REPLACMENT/SERVICING OF SPREY NOZZLE WITH LINE FLUSHING (DSS & FIRE SPRINKLER)	400	NO	311.47	124586.16
BD113	REPLACMENT/SERVICING OF GREASE PUMP	1	NO	3462.93	3462.93
BD114	COOLING TOWER: FAN /BALDE REPLACEMENT & ALIGNMENT	4	NO	5120.70	20482.79
BD115	COOLING TOWER : WATER BASIN LEAKAGE ARRESTING WORK/WATER BASIN CLEANING WORK	4	NO	3950.00	15800.00
BD116	HAG: BUNDLE TUBE/JACKET REPLACMENT WORK	4	NO	10375.18	41500.74
BD117	BAL MILL: REPLACMENT OR ADJUSTMENT OF BALL MILL LINER TO ITS POSITION	10	NO	46588.03	465880.26
BD118	WATER PUMP: GLAND PACKING REPLACMENT WORK	12	NO	1764.95	21179.34

BD119	SCAFFOLDING PROVIDING AND REMOVAL UP TO 15 MTR HIGHT EXCLUSIVE OF SCHEDULE BD28	24	NO	11000.00	264000.00
BD120	SCAFFOLDING PROVIDING AND REMOVAL MORE THEN 15 MTR HIGHT	100	M3	3847.69	384769.16
BD121	ASSISTING FOR TROUBLING SHOOTING IN HYDRAULIC SYSTEM	5	NO	1911.45	9557.23
BD122	CONVEYOR BELT FOLD REMOVALWORK-(WITH TAKE UP LIFTING, TAKE LIFTING SCHEDULE BD41 IS TO BE GIVEN FOR LIFTING OF TAKE UP)	6	NO	7131.29	42787.74
BD123	CONVEYOR BELT FOLD REMOVALWORK-WITHOUT TAKE UP LIFTING	10	NO	4000.00	40000.00
BD124	SKIRT BOARD REPOSITIONING WORK	20	MTR	1896.56	37931.10
BD125	JACK SHAFT REPLACMENT WORK	1	NO	21531.37	21531.37
BD126	APRON FEEDER: RETURN/ DECK ROLLER REFURBISHMENT	40	NO	1906.48	76259.11
BD127	CRUSHER ROTOR V BELT PULLEY REPLACMENT WORK	1	NO	51764.49	51764.49
BD128	TRAP FOREIGN MATERIAL REMOVE FROM CONVEYOR	4	NO	3798.08	15192.31
BD129	APRON FEEDER / ELHS S/R : HYDRAULIC SYSTEM PUMP REPLACMENT WORK	2	NO	11968.13	23936.27
BD130	HYDRAULIC SYSTEM CONTROL VALVE REPLACMENT WORK	2	NO	1936.25	3872.49
BD131	SCOOP TUBE LEVER REPLACMENT WITH MISC.WORK	4	NO	2854.77	11419.07
BD132	ALIGNMENT OF DRIVE BY SHIM METHOD OR LINE DORI METHOD	4	NO	3500.00	14000.00
BD133	DSS : HOSE WITH FITTINGS REPLACMENT WK	40	NO	477.86	19114.59
BD134	HAG: REFRACTORY PATCHING INCLUDING DEBRIS REMOVAL FROM INSIDE	1000	KG	75.96	75964.20
TOTAL in Rs.					21617467.96

PRICE SCHEDULE FOR UNFORESEEN WORK ANNEXURE A - 5

Sr. No.	Item Description	QTY for two years	Unit	Unit SOR without GST in Rs.	Amount in Rs.
1	MANPOWER UNSKILLED	850	NOS.	894.10	759982.10
2	MANPOWER SEMISKILLED	600	NOS.	917.64	550582.32
3	MANPOWER SKILLED	100	NOS.	941.10	94109.90
4	MILL WRIGHT FITTER	40	NOS.	1155.34	46213.74
TOTAL in Rs.					1450888.05
TOTAL FOR H & M without GST in Rs.					106073880.07

ANNEXURE -B HOUSEKEEPING OF ILHS-SOR

SCHEDULE-B1 (SHIFT WISE CLEANING)

Sr.No.	Detailed Description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Cleaning of Bunker Unit-1 & 2 side Grill Area & BCN-8A/B floor Receiving area along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ILHS	No	1	737.96	737.96
2	Cleaning of Bunker Unit-3 & 4 side Grill Area along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ILHS	No	1	1106.95	1106.95
3	Cleaning of JNT-1 (BCN-7A/B/C/D tail end & BCN-6A/B Head end) along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ILHS	No	1	737.96	737.96
4	Cleaning of Old SCH (BCN-6A/B tail end,crusher floor & BCN-5A/B head end) along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ILHS	No	1	737.96	737.96
5	Cleaning of BCN-6A/B Gallary along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ILHS	No	1	368.95	368.95
TOTAL in Rs.					3689.78

Schedule – B2 (Cleaning in General Shift)

Sr. No.	Detailed Description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Unit 1& 2 SFD floors including all equipments.	No	730	1475.91	1077413.33
2	BCN-8A/B floor & equipments,BCN-7A/B floor & equipments with Gallary & take- up	No	730	737.96	538711.46
3	Unit 3 & 4 bunker floors including all equipments with take-up area &	No	730	1475.91	1077413.33
4	JNT – 1 all floors & equipments.	No	730	1475.91	1077413.33
5	SCH all floors including BCN 5A/B head end, BCN 6A/B tail end.	No	730	2213.87	1616124.79

6	BCN-6A/B Gallery from SCH building to JNT-1 ,Take-up & JNT-2	No	730	368.97	269350.93
7	BCN 5A/B Gallery and JNT 3, 4,5 including BCN-12 A1,A2/B1,B2 enclose portion, JNT 5	No	730	368.97	269350.93
8	BCN 4A/B Gallery & tunnel.	No	730	368.97	269350.93
9	JNT- 8, JNT 9, BCN 1A Gallery &	No	730	1475.91	1077413.33
10	BCN 2A yard portion, tunnel portion and tail end portion along with rail.	No	730	1106.97	808091.18
11	JNT –10, 11 including BCN 2B gallery.	No	730	737.96	538711.46
12	BCN 2C yard portion & tail end portion along with rail	No	730	1475.90	1077403.73
13	Screen house extension including BCN 4A/B head end, 13 A/B drive end & BCN 13A/B gallery.	No	730	1475.90	1077403.73
14	S/R-I/P Machine	No	730	737.96	538711.69
15	BWR Machine	No	730	737.96	538711.69
16	Dry sweeping of MCCs, Compressor room-4 Nos, Control room-1 No, Work shop-1	No	1	651.70	651.70
17	Up-keeping of LHS office.and assistance for administrative/documentary work	No	730	1106.97	808090.27
18	Mill – a (entire mill-a building area excluding ground floor)	No	730	737.96	538711.46
19	Mill – b (entire mill-b building area excluding ground floor)	No	730	737.96	538711.46
20	Mill – c (entire mill-c building area excluding ground floor)	No	730	737.96	538711.46
21	Mill – d(entire mill-d building area excluding ground floor)	No	730	737.96	538711.46
22	Mill a,b,c,d ground floor area, surrounding and connecting drains	No	730	737.96	538711.46
23	LS Control Room,compressor house & its roof & accessories,LPG room, oil room	No	730	737.96	538711.46
24	BFD-LS1 & LS2, BCN-LS1 & tunnel area, sump pump & drain, gallery, stair case, ventilation room.	No	730	737.96	538711.46
25	Limestone crushers house all floors, and surrounding drains	No	730	1475.92	1077422.92
26	BCN-LS2 & Gallery & JNT-LS1.	No	730	737.96	538711.46
27	BCN-LS3, Gallery, Traveling tripper, and Limestone bunker floor with staircase of bunker floors.	No	730	737.96	538711.46
TOTAL in Rs.					18586143.90

SCHEDULE-B3 (WATER WASHING)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	BCN 6A/B entire Gallery and JNT 2	No	104	368.97	38373.28
2	All Bunker floor of unit 1&2	No	104	368.97	38373.28
3	All Bunker floors of unit 3&4	No	104	368.97	38373.28
4	Secondary Crusher House	No	104	368.97	38373.28
5	JNT – 1 all floors including FGT and BCN-7A/B/C/D Gallery	No	104	368.97	38373.28
6	Bucket Wheel reclaimer	No	52	368.97	19186.64
7	Stacker Reclaimer (in plant).	No	52	368.97	19186.64
8	BCN 5A/B Gallery, tunnel	No	52	368.97	19186.64
9	BCN 2A yard conveyor and tunnel	No	52	147.61	7675.48
10	JNT –10, 11 including BCN 2B tunnel & gallery.	No	52	147.61	7675.48
11	BCN 2C conveyor including yard portion	No	52	147.61	7675.48
12	JNT- 8 & 9 and BCN 1A gallery.	No	52	147.61	7675.48
13	Screen House A/B	No	52	221.39	11512.53
14	BCN 11A/B Gallery & tunnel including 11A/B head end and JNT 6, 7 including 10A/B head end.	No	52	73.80	3837.74
15	BCN 13A/B and BCN 4A/B Gallery & tunnel and JNT 3,4,5	No	52	147.61	7675.48
TOTAL in Rs.					303154.00

SCHEDULE-B4 (SPILLED LIGNITE & LIMESTONE TRANSPORTATION)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Loading, transporting and unloading of spilled lignite and lime stone from various locations of lignite and limestone system to stockpile by means of deploying tractors/Dumper and required manpower/JCB. While loading other than lignite and lime stone like steel scrap, rubber cut pieces etc to be segregate and shift to waste yard.	M ³	10800	135.00	1458000.00
TOTAL in Rs.					1458000.00

SCHEDULE-B5 (Balance area cleaning)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs. For first year	Amount in Rs.
1	Removing of Spider webs and cleaning of wall of all ILHS & Lime Stone system buildings.	No.	24	147.59	3542.21
2	Water washing of rubber mats placed in front & backside of HT & LT switch gear of all MCC's (including Machines) and putting back at its location.	No.	24	147.59	3542.21
3	Cleaning of all cable trenches.	No.	24	147.59	3542.21
4	Cleaning Transformer Yards	No.	24	147.59	3542.21
5	Clearing of Vegetation in and around of BCN2C, 2A and all surrounding of all ILHS & LSMS system/ buildings.	No.	12	147.59	1771.11
6	Periphery drains of secondary crusher house & JNT-1(twice in a month for SCH & JNT-1 each)	No.	96	295.18	28337.70
7	Periphery drains of screen house A/B	No.	4	147.59	590.37
8	Periphery drains of LHS office and junction tower,4,5,8,9,10,11.	No.	24	147.59	3542.21
9	Swabbing of all floors of MCCs, Compressor rooms, Work shop	No.	208	147.61	30701.91
10	Periphery drains of LHS & LSMS control room	No.	48	295.18	14168.85
11	Dry cleaning of Screen houses A&B including ground floor	No.	24	147.59	3542.21
12	Cleaning of sump pump pits – 5 Nos (5 pits 4 times)	No.	40	147.59	5903.69
TOTAL in Rs.					102726.89

SCHEDULE-B6 (CHOCK-UP REMOVAL DURING MONSOON)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Unit 1 bunker grill & SFD 4A1 & B1	No	450	669.19	301135.35
2	Unit 2 bunker grill & SFD 4A2 & B2	No	450	669.19	301135.35
3	Unit 3 bunker grill & TT/PF of BCN 7C	No	450	669.19	301135.35
4	Unit 4 bunker grill & TT/PF of BCN 7D	No	450	669.19	301135.35
5	All receiving & discharge Chutes in JNT 1	No	450	669.19	301135.35
6	All receiving & discharge Chutes of equipment in SCH	No	450	669.19	301135.35
7	BCN 4A/B discharge & BCN 13A/B	No	450	669.19	301135.35
8	BWR & SR I/P– Centre chute & tripper discharge chute & discharge Chutes in JNT	No	450	669.19	301135.35
TOTAL in Rs.					2409082.76

SCHEDULE-B7 ILHS					
Sr.No.	Detailed description	UoM	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Additional manpower as & when require basis	No	150	739.67	110950.21
TOTAL in Rs.					110950.21
ANNEXURE C HOUSEKEEPING OF ELHS-SOR					
SCHEDULE-C1 (SHIFT WISE CLEANING)					
Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Feeder Breaker & tail end of BCN M1A.along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ELHS	No	2190	737.92	1616053.21
2	Crusher cum screen house of expansion transfer & receiving area,head & tail pulley along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ELHS	No	2190	737.92	1616053.21
3	S/R-Expansion and Rail Cleaning along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ELHS	No	2190	737.92	1616053.21
4	OLD PCH transfer & receiving area,head & tail pulley along with chock-up removal,water washing,flap gate chock-up removal & other work required for smooth operational activity at any location of ELHS	No	2190	737.92	1616053.21
TOTAL in Rs.					6464212.86
SCHEDULE - C2 (GENERAL SHIFT CLEANING)					
Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	JNT-13 all floors & equipments	No	730	1475.91	1077413.33
2	A/F & BCN-M7 Tail end & all equipments	No	730	737.95	538701.87
3	JNT-12 & OLD PCH floors & equipments, structures including BCN-1A Tunnel portion and sump pump pit	No	730	1475.91	1077413.33

4	New PCH all floors, BCN M7 Gallery & equipments.	No	730	1475.91	1077413.33
5	JNT-2A/2B all floors , gallery & equipments(Up to RPG floor)	No	730	1475.91	1077413.33
6	BCN M4 yard & gallery portion.	No	730	1475.91	1077413.33
7	BCN M5 Ground & gallery portion & NEW SCH floors & equipments,structures.	No	730	1475.91	1077413.33
8	BCN M1A Gallery portion and Yard Conveyor	No	730	1475.92	1077422.92
9	BCN M2A Gallery portion	No	730	737.96	538711.46
10	BCN M3A Gallery and enclosure portion	No	730	737.96	538711.46
11	Dry cleaning of all MCC rooms (New PCH, PCH, New SCH, F/B, Mines MCC, AWR), New PCH Compressor house	No	730	1475.92	1077422.92
12	Cleaning of toilet/ bathroom 4 no's	No	1	737.96	737.96
13	S/R-O/P and Rail Cleaning	No	730	737.96	538711.46
TOTAL in Rs.					10774900.03

SCHEDULE-C3 (WATER WASHING)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	PCH, BCN-M3A & JNT 12	NO	104	368.96	38372.04
2	New PCH & gallery, tail end of BCN M7 & A/F Floor.	NO	104	368.96	38372.04
3	New SCH	NO	104	368.96	38372.04
4	M1A 20 Nos. Gallery	NO	104	368.96	38372.04
5	JNT 13 & M2A- 20 Nos Gallery	NO	104	147.57	15347.52
6	Stacker Reclaimer (out plant)	NO	52	147.57	7673.76
7	Stacker Reclaimer (Expansion)	NO	52	368.96	19186.02
8	BCN-M4 yard portion, tail end & Gallery	NO	52	147.57	7673.76
9	JNT – 2A & 2B and Gallery of BCN M5 & M6	NO	52	147.57	7673.76
TOTAL in Rs.					211042.98

SCHEDULE-C4 (SPILLED LIGNITE & LIMESTONE TRANSPORTATION)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Loading, transporting and unloading of spilled lignite and lime stone from various locations of lignite and limestone system to stockpile by means of deploying tractors/Dumper and required manpower/JCB. While loading other than lignite and lime stone like steel scrap, rubber cut pieces etc to be segregate and shift to waste yard.	M ³	6000	135.00	810000
TOTAL in Rs.					810000

SCHEDULE-C5 (Balance area cleaning)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Removing of Spider webs and cleaning of wall of all ELHS buildings.	no	24	147.59	3542.21
2	Water washing of rubber mats placed in front & backside of HT & LT switch gear of all ELHS MCC's and putting back at its location.	no	24	147.59	3542.21
3	Cleaning of all cable trenches of ELHS.	no	24	147.59	3542.21
4	Clearing of Vegetation in and around of all surrounding of all ELHS system/ buildings.	no	12	147.59	1771.11
5	All Periphery drains of ELHS system /buildings/ MCC	no	24	295.18	7084.42
6	Swabbing of all floors of MCCs (6 Nos)	no	208	147.59	30699.17
TOTAL in Rs.					50181.34

SCHEDULE-C6 (CHOCK-UP REMOVAL DURING MONSOON)

Sr.No.	Detailed description	UNIT	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	All receiving & discharge Chutes of equipment in New screen cum crusher house.	No	480	669.28	321252.90
2	Stacker /bucket wheel reclaimer (Expansion)	No	480	669.28	321252.90
3	All receiving & discharge Chutes of equipment in New PCH	No	480	669.28	321252.90
4	All receiving & discharge Chutes of equipment in old PCH	No	480	669.28	321252.90
5	BCN M1A Discharge and BCN M2A receiving at JNT-13& JNT-2A / 2B	No	480	669.28	321252.90
TOTAL in Rs.					1606264.48

SCHEDULE-C7

Sr.No.	Detailed description	UoM	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Manpower for unforeseen work	No.	135	739.05	99771.09
TOTAL in Rs.					99771.09

SCHEDULE-D

Sr.No.	Detailed description	UoM	QTY for two years	Unit SOR without GST in Rs.	Amount in Rs.
1	Utility vehicle usage charges/ reimbursement for GIPCL workmen / month	Monthly	24	30000.00	720000.00
TOTAL in Rs.					720000.00
Package- A Estimated TOTAL contract value for two year without GST					149784000.38
Package- A Estimated TOTAL contract value for two year with 18% GST					176745120.45

PACKAGE - B							
SCHEDULE OF QUANTITIES AND PRICE							
"Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and <u>Ash Handling System</u> " for 2 years period. [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]							
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
HANDLING (OPERATION) OF AHS							
1	Field Engineers / Supervisors for Operation Co-ordination	as detailed in the Section - D of tender document	Man-Day	1095	2190	1,275	13,95,911
2	Mechanical Maintenance Supervisors	as detailed in the Section - D of tender document	Man-Day	365	730	1,275	4,65,304
3	Handling Personnel - Field Operators (Mechanical)	as detailed in the Section - D of tender document	Man-Day	365	730	937	3,42,078
4	Handling Personnel - Field Operators (MCC)	as detailed in the Section - D of tender document	Man-Day	1	2	937	937
5	Handling Personnel - Weighbridge Operators	as detailed in the Section - D of tender document	Man-Day	1	2	937	937
PREVENTIVE MAINTENANCE IN AHS							
A	Bed Ash Conveying Blowers						
6	2W PM of Bed Ash Conveying Blower	Carry out External cleaning of Equipment by Diesel,Clean the Suction Filter elements with the help of dry compressed air,Check the Oil Level if low top-up oil up to required level,Check the drive Belt condition and Tightness,adjust/replace if required,Check Tightness of Foundation Bolts take corrective action if required.	No.	96	192	689	66,149
7	4W PM of Bed Ash Conveying Blower	Carry out External cleaning of Equipment by Diesel,Clean the Suction Filter elements with the help of dry compressed air,Check the Oil Level if low top-up oil up to required level,Check and clean the air breather in oil tank/gear box,Check the drive Belt condition and Tightness,adjust/replace if required,Check Tightness of Foundation Bolts take corrective action if required, Greasing of Bearings,Check NRV - Repair/Replace if required,Check Alignment of drive/Re-alignment is to be done if Required.	No.	80	160	1,033	82,644
8	24W PM of Bed Ash Conveying Blower	Carry out External cleaning of Equipment by Diesel,Dismantling of suction filter/Inlet silencer assembly,Checking of Internal clearances/Re-set if required,Check Bearing Clearance/Replace if Required,Inspection of Gears,Check the Oil Level if low top-up oil up to required level,Check and clean the air breather in oil tank/gear box,Greasing of Bearings,Check Alignment of drive/Re-alignment is to be done if Required,Check the drive Belt condition and Tightness,adjust/replace if required,Check Tightness of Foundation Bolts take corrective action if required,Check NRV - Repair/Replace if required,Clean the Suction Filter elements with the help of dry compressed air.	No.	1	2	12,482	12,482

PACKAGE - B							
SCHEDULE OF QUANTITIES AND PRICE							
"Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and <u>Ash Handling System</u> " for 2 years period. [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]							
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
9	48W PM of Bed Ash Conveying Blower	Carry out External cleaning of Equipment by Diesel,Dismantling of suction filter/Inlet silencer assembly,Checking of Internal clearances/Re-set if required,Check Bearing Clearance/Replace if Required,Dismantling of Bearings, Lobes, Replace if Required,Inspection of Gears,Check the Oil Level if low top-up oil up to required level,Check and clean the air breather in oil tank/gear box,Greasing of Bearings,Check Alignment of drive/Re-alignment is to be done if Required,Check the drive Belt condition and Tightness,adjust/replace if required,Check/Replace Vibration Pads if Required.Check Tightness of Foundation Bolts take corrective action if required,Check NRV - Repair/Replace if required,Clean the Suction Filter elements with the help of dry compressed air.	No.	1	2	21,843	21,843
B Bed Ash Conveying Lines							
10	PM of Bed Ash Conveying Line	Carry out External cleaning of Equipment/Valves,Opening of Inspection doors,Inspection of Disc,Seat & shaft of Top feeder valves (02 no),Bottom Feeder Valves (02 no),Purging valves (02 no),Vent valves (02 no),Repair/Replace if required,Cleaning of Silo selection valves,Attend leakage If Any,Check/Replace gaskets of inspection doors if required,Check/Tighten clamps if required,Inspection of Butterfly valves in conveying line Repair/Replace if required.	No.	8	16	1,028	8,222
C Bag Filters on Silos							
11	48W PM of Bag Filter	Opening and Removing of Top cover, Remove all purging pipes,venturies and Filter bags,Inspection and Cleaning of filter bags,Replace damaged bags/Cages if required,Refit,Normalize Bag filter,Inspection of Purging valves operation adjust if required,Check Pulse jetting lines,Valves and Pulsing for any abnormality etc.	No.	8	16	14,710	1,17,678
D Transport Air Compressors							
12	2W PM of Reciprocating Air Compressors	Carry out External cleaning of Equipment by Diesel,Clean the suction filter elements with the help of dry compressed air,check oil level in the oil sump,top-up oil up to required level if required if low,Check water drain valves,Check Tightness of Foundation Bolts take corrective action if required.	No.	64	128	689	44,100
13	8W PM of Reciprocating Air Compressors	Carry out External cleaning of Equipment by Diesel,Clean the suction filter elements with the help of dry compressed air,check oil level in the oil sump,top-up oil up to required level if required if low,Cleaning of air breather in oil sump,Dsimantling/Service/Replacement of HP and LP Suction and discharge valves,Clean Water Jacket etc,Check water drain valves,Check Tightness of Foundation Bolts take corrective action if required.	No.	1	2	9,361	9,361

PACKAGE - B							
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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
14	24W PM of Reciprocating Air Compressors	Carry out External cleaning of Equipment by Diesel,Dismantling/Servicing/Replacement of HP and LP Suction and discharge valves,Remove HP & LP pistons, Replace Piston rings & Wear rings if required,Clean Cylinder Liners,Set Clearance of Cylinders,Replace Radial & Axial glands,Remove Top cover,Flush Bearing Oil lines,Check Float of crankshaft,Inspection of Main Bearings- Replace if required,Inspection and Greasing of Main Plummer Block Bearing,Inspect C-rod bearings replace if required,Inspect Cross head shoe assy-Replace if required,Inspect Intercooler & After cooler for leakage,Check quality of oil,replace,top-up if required,Clean Water Jacket and air breather in oil sump etc,Check water drain valves,Check Tightness of Foundation Bolts take corrective action if required,Clean suction filter element with the help of dry compressed air.	No.	1	2	32,350	32,350
15	48W PM of Reciprocating Air Compressors	Carry out External cleaning of Equipment by Diesel,Dismantling/Servicing/Replacement of HP and LP Suction and discharge valves,Remove HP & LP pistons, Replace Piston rings & Wear rings if required,Clean Cylinder Liners,Set Clearance of Cylinders,Replace Radial & Axial glands,Remove Top cover,Flush Bearing Oil lines,Check Float of crankshaft,Inspection of Main Bearings- Replace if required,Inspection and Greasing of Main Plummer Block Bearing,Inspect C-rod bearings replace if required,Inspect Cross head shoe assy-Replace if required,Dismantling of HP-LP Cylinder assembly,Inspection/Replacement of Piston rings/wear rings if required,Re-assembly of piston assembly,Inspection of HP-LP Cyinders if required,Inspect Intercooler & After cooler for leakage,Check quality of oil,replace,top-up if required,Clean Water Jacket and air breather in oil sump etc,Check water drain valves,Check Tightness of Foundation Bolts take corrective action if required,Clean suction filter element with the help of dry compressed air	No.	1	2	44,482	44,482
16	PM of Screw Compressor on Month Basis	Carry out External cleaning of Equipment by Diesel,Check Oil Level/Top up up to required level if lows,Arrest Leakage in Oil/Air line if any, Clean Suction Filter Element by dry compressed air,Check foundation bolts/Tighten if required.	No.	1	2	1,170	1,170
17	PM of Screw Compressor on Hours Basis	Assistance to OEM's service Engineers for maintenance activities, execution of jobs as per the instructions of service engineer etc.	No.	1	2	5,508	5,508
E	Fly Ash Conveying Lines						
18	PM of Fly Ash Conveying Line	Carry out External cleaning of Equipment/Valves,Inspection of Disc,Seat & shaft of AIV valve,Purging valve,Vent valves,Repair/Replace if required,Cleaning of Silo selection valves,Attend leakage If Any,Check/Replace gaskets if required,Check/Tighten clamps if required,Inspection of Butterfly valves in conveying line Repair/Replace if required, Replace Gasket of Ash Intake Valves & Manual Isolation Valve If Required etc.	No.	80	160	2,740	2,19,220

PACKAGE - B							
SCHEDULE OF QUANTITIES AND PRICE							
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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
F	Air Receiver / Dryer						
19	4W PM of Air dryer	Carry out External cleaning of Equipment,Check/Remove/Replace Drain valve/line choke etc if required,Clean Strainer,ckcek Oil Level,arrest leakages if any etc.	No.	12	24	685	8,218
20	Air Receiver	Open the mainhole door, Internal Inspection & Cleaning by wire brush,Paint if required,Drain valve/line choke-up removal/Replacement,Ckeck Air Filter element At Pressure Regulator,Clean/Replace/service as per requirement,service safety valve,assistance during Hydrotest etc.	No.	6	12	4,561	27,368
21	DPR Receiver & filter	Internal Inspection & Cleaning,Drain valve/line choke removal/Replacement,Air Filter At Pressure Regulator Cleaning/Replacement/servicing as per requirement.	No.	2	4	4,561	9,123
G	ESP & Silo Fluidizing Blowers						
22	ESP/Silo Flu. Blower - 2W PM	Carry out External cleaning of Equipment by Diesel,Clean the Suction Filter elements with the help of dry compressed air,Check the Oil Level if low top-up oil up to required level,Check the drive Belt condition and Tightness,adjust/replace if required,Check Tightness of Foundation Bolts take corrective action if required.	No.	108	216	517	55,785
23	ESP/Silo Flu. Blower - 4W PM	Carry out External cleaning of Equipment by Diesel,Clean the Suction Filter elements with the help of dry compressed air,Check the Oil Level if low top-up oil up to required level,Check and clean the air breather in oil tank/gear box,Check the drive Belt condition and Tightness,adjust/replace if required,Check Tightness of Foundation Bolts take corrective action if required, Greasing of Bearings,Check NRV - Repair/Replace if required,Check Alignment of drive/Re-alignment is to be done if Required.	No.	90	180	861	77,447
24	ESP/Silo Flu. Blower - 24W PM	Carry out External cleaning of Equipment by Diesel,Dismantling of suction filter/Inlet silencer assembly,Checking of Internal clearances/Re-set if required,Check Bearing Clearance/Replace if Required,Inspection of Gears,Check the Oil Level if low top-up oil up to required level,Check and clean the air breather in oil tank/gear box,Greasing of Bearings,Check Alignment of drive/Re-alignment is to be done if Required,Check the drive Belt condition and Tightness,adjust/replace if required,Check Tightness of Foundation Bolts take corrective action if required,Check NRV - Repair/Replace if required,Clean the Suction Filter elements with the help of dry compressed air.	No.	1	2	9,361	9,361

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"Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and <u>Ash Handling System</u> " for 2 years period. [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]							
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
25	ESP/Silo Flu. Blower - 48W PM	Carry out External cleaning of Equipment by Diesel,Dismantling of suction filter/Inlet silencer assembly,Checking of Internal clearances/Re-set if required,Check Bearing Clearance/Replace if Required,Dismantling of Bearings, Lobes, Replace if Required,Inspection of Gears,Check the Oil Level if low top-up oil up to required level,Check and clean the air breather in oil tank/gear box,Greasing of Bearings,Check Alignment of drive/Re-alignment is to be done if Required,Check the drive Belt condition and Tightness,adjust/replace if required,Check/Replace Vibration Pads if Required.Check Tightness of Foundation Bolts take corrective action if required,Check NRV - Repair/Replace if required,Clean the Suction Filter elements with the help of dry compressed air	No.	1	2	16,175	16,175
H	Fluidizing Air Lines						
26	ESP Fluidizing air Lines & along with Fluidizing Pad assembly - 48W PM	De couple the fluidising lines from fluidising pads,Dismantle the fluidising pads,Flushing of all the lines by hot blower air,Remove chock up if any,Attend leakage if any,Replace hose/fittings if found damaged, Replace/clean fluidising cloth/Pad,Replace Flu.box gasket if required, re-fixing of fluidising pads and line etc.	No.	4	8	74,360	2,97,442
27	Fluidizing air Lines of Fly Ash Silo & along with Fluidizing Pad assembly - 48W PM	De couple the fluidising lines from fluidising pads,Dismantle the fluidising pads,Flushing of all the lines by hot blower air,Remove chock up if any,Attend leakage if any,Replace hose/fittings if found damaged, Replace/clean fluidising cloth/Pad,Replace Flu.box gasket if required, re-fixing of fluidising pads and line etc.	No.	2	4	21,892	43,784
I	Rotary Vane Feeders						
28	Rotary Vane Feeder - 4W	External cleaning of Equipment,Remove chock up if required,Attend leakage if any,including KGVs,Check condition of blade tips Replace if required, Bearing greasing,Check Oil Level & oil condition,Replace if required,Check coupling condition, Replace if required.	No.	4	8	685	2,739
29	Rotary Vane Feeder - 48W	External cleaning of Equipment,Remove chock up if required,Attend leakage if any,including KGVs,Check condition of blade tips Replace if required, Bearing greasing,Check Oil Level & oil condition,Replace if required,Check coupling condition,Replace if required,Dismantle feeder,Check clearance of blade tips, Change/Sets if required,check alignment and take corective actions if required.	No.	1	2	2,055	2,055
J	Dust Conditioners						
30	Dust conditioner - 2W	Cleaning of paddles,Checking/Cleaning of Nozzles, Check Oil level & oil condition, Replace/Top-up if required,Tighten Supports,attend leakages if any etc.	No.	66	132	685	45,196
31	Dust conditioner - 4W	Cleaning of paddles,Checking/Cleaning of Nozzles, Check Oil level & oil condition, Replace/Top-up if required,Tighten Supports,Grease the bearings,attend leakages if any etc.	No.	66	132	1,028	67,830
32	Dust conditioners - 48W	Cleaning of paddles,Checking/Cleaning of Nozzles, Check Oil level & oil condition, Replace/Top-up if required,Tighten Supports,Grease the bearings,attend leakages if any etc,Alignment checking, Bearing inspection & Clearance checking,Replacement of bearings if required.	No.	3	6	14,042	42,126

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
K	Water Pump's (Horizontal & Vertical)						
33	Water pump (Seal Water pump / Sump pump) - 4W	Clean the Equipment,Attend Gland leakage if any,Attend leakage if any other,Valve spindle greasing,Check NRV Repair if required,Tighten Foundation bolts,Clean Strainer etc.	No.	7	14	685	4,794
34	Water pump (Seal Water pump / Sump pump) - 24W	Clean the Equipment,Attend Gland leakage if any,Attend leakage if any other,Valve spindle greasing,Check NRV Repair if required,Tighten Foundation bolts,Clean Straine,Check Alignment,inspect impeller & Replace if Required.	No.	1	2	3,120	3,120
35	Water pump (Seal Water pump / Sump pump) - 48W	Clean the Equipment,Attend Gland leakage if any,Attend leakage if any other,Valve spindle greasing,Check NRV Repair if required,Tighten Foundation bolts,Clean Straine,Check Alignment,inspect impeller & Replace if Required,Check bearings,Shaft with sleeves Inspection, Replace spares if required.	No.	1	2	15,602	15,602
L	Silo Equipments						
36	4W PM of Vent Fan on Fly Ash Silo top	Clean equipment,Internal and impeller Cleaning, Impeller Inspection,check Belt Tightness/Replacement if required,Check Foundation Bolts Tighten if required,Bearing greasing,check expansion bellows etc.	No.	24	48	1,033	24,793
37	48W PM of Vent Fan on Fly Ash Silo top	Clean equipment,Internal and impeller Cleaning,Impeller Inspection if required,check Belt Tightness/Replacement if required,Check Foundation Bolts Tighten if required,check expansion bellows,check internal clearance /Adjust if required,Inspect Impeller,Check alignment correct if required,Bearing greasing etc.	No.	1	2	7,801	7,801
38	4W PM Fluidizing lines at Fly Ash Silos	Clean the Equipments,check valve seats,gate & fluidising Line, Attend leakages if any, Other activities as per requirement.	No.	11	22	1,371	15,077
39	PM of Solid Flow meter	Clean the equipment, Adjustment any internal part if required,attend leakages if any,check the flow from silo etc.	No.	12	24	685	8,218
40	4W PM of Telescopic Spout at Fly Ash Silo Discharge	Clean the equipments, CFM, spout and vent fan aseembl, KGVs, Adjustment any internal part if required,attend leakages if any,check the flow from silo, check the shaft and keys, drive coupling and assembly, oil level in speed reducers,lifting pulleys and cable sheaves etc.	No.	1	2	1,377	1,377
41	48W PM of Telescopic Spout at Fly Ash Silo Discharge	Clean the equipments, CFM, spout and vent fan aseembl, KGVs, Adjustment any internal part if required,attend leakages if any,check the flow from silo, check the shaft and keys, drive coupling and assembly, oil level in speed reducers,lifting pulleys and cable sheaves etc.check all the hoses, Inside CFM for any build up. clean if required.Remove, Inspect, and clean filter cartridges and replace Filters if required.cheack inner cone assembly and outer bellows replace parts if required.	No.	1	2	5,508	5,508
BREAKDOWN MAINTENANCE IN AHS							
M	Bed Ash Conveying / ESP Fluidizing / Silo Fluidizing Blowers (Make: Kay international)						
42	Replacement of V-Belt (1 Set)	Drive Belt's Guard removing,Receiving of Spares from warehouse and shifting to the work site,Old Belts replacement by New set of V-Belts,alignment of drive motor with blower,Refixing of Guard etc.	Set	1	2	1,033	1,033
43	Replacement of Blower/Motor Pulley	Remove Drive Belt's Guard,Removing of V-Belts, Receiving of Spares from warehouse and shifting to the work site,Replace old pulley by new one,Refixing of V-Belts set,alignment of drive motor with blower,Refixing of Guard etc.	No.	1	2	2,066	2,066

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
44	Replacement of bearings	Remove Drive Belt's Guard, Remove Drive belts, Take-out drive pulley/Timing gears, opening of Bearing covers, Drain lubricants (Grease/Oil), Receiving of Spares from warehouse and shifting to the work site, replacement of old Bearings with new Bearings, Setting of Lobes and internal clearances, Bearing greasing and lubricating oil filling, re-fixing of bearing covers, Mounting of pulley, Refixing of V-Belts set, Alignment of Drive motor with blower, Refixing of Guard, trial run etc.	Set	1	2	16,525	16,525
45	Overhauling of Bed Ash Blower	Clean the Equipment by Diesel, Clean the Suction Filter element with the help of dry compressed air, Check Oil Level, top-up/Replace oil up to required level if low, Check Belt Tightness and condition, replace if required, Check Foundation Bolts Tightness tighten if required, Bearing Greasing, Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required, Inspect Gears, Check Bearing Clearance/Replace if Required, Check Internal clearances/Re-set if required, Dismantling of Bearings, Lobes, Replace if Required, Replace Vibration Pads if Required.	Set	1	2	21,843	21,843
46	Replacement of vibration pads	Loose clamps of Suction Pipe, De-couple the discharge Pipe, Loose the foundation Bolts, Receiving of Spare from warehouse and shifting to the work site, Replace the Old/Damaged vibration pads by New Vibration Pads. Tighten the foundation bolts, clamps and Coupling of Discharge pipe etc.	Set	1	2	2,077	2,077
47	Inspection of Blower for any abnormal noise	Dismantling of Suction Pipe and Drive-Guard, Internal clearance checking, Setting of internal clearances if Required, Refixing of Suction pipe and Guard, trial run etc.	No.	1	2	5,538	5,538
N	Bed Ash Conveying Lines						
48	Replacement / Repair of Disc / Seat or Disc (Top / Bottom feeder Valve)	Opening of inspection doors, Inspection of seat or disc, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace disc, seat if Required, Check the door gaskets replace is required, Refixing of Door etc	No.	8	16	1,028	8,222
49	Removal of chocking of Transmitter Vessel / Adapter	Open the inspection door/Vessel Dummy, Internal Inspection of vessel, Remove chock-up, Refix the door/dummy etc.	No.	20	40	685	13,696
50	Replacement of Coupling Gasket	Cleaning, dismantling and inspection of coupling set, Receiving of Spare from warehouse and shifting to the work site, Replace the Gasket, Re-fix the coupling, shift the old/damaged gasket to scrap bin etc.	No.	50	100	685	34,240
51	Choke up Removal of Pipeline	Open the inspection door/Vessel Dummy/Pipe couplings if required, ask the operation department for line flushing, Hammering if required, Remove chock-up, Refix the door/dummy and coupling. get the confirmation from operation department for performance of line etc.	No.	10	20	1,371	13,707
52	Complete Overhauling of Top/Bottom Feeder Valve	Remove the valve assembly from place of installation, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace, seat, disc, shaft, bearing, seal, door gasket etc, if Required, Re-install the valve, re-fix the door etc.	No.	1	2	2,754	2,754

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
53	Replacement of Top / Bottom feeder/Vent valve/Purging valve's Bush / Gland / Bearing / Bearing housing / Gasket of Inspection Door	Opening of inspection door,Receiving of Spare from warehouse and shifting to the work site, Repair/Replace,seat,disc,shaft,bearing,seal,door gasket etc,if Required,re-fix the door.	No.	10	20	1,028	10,277
54	Top / Bottom feeder valve replacement	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged valve along with inlet and outlet couplings and replacement by new valve assembly,Shifting of old valve assembly to scrap yard/Store as per the instruction of E-I/C.	No.	1	2	2,754	2,754
55	Replacement of Coupling set (upto 350 NB Pipe)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged coupling set along with gasket,replacement by new coupling assembly, Shifting of old assembly to scrap yard/Store as per the instruction of E-I/C.	Set	2	4	2,740	5,480
O	Bag Filter on Silos						
56	Replacement of Damaged Filter Bags / Cage	Receiving of Spares from warehouse and shifting to the work site,Removing of Top cover (compartment wise)as per the instruction of Engineer-in-charge,removing of Purging lines,Removing of Bags,Inspection of Bags,Replacement of damaged bags/cage,refixing of Purging line and top cover,Shifting of old assembly to scrap yard/Store as per the instruction of Engineer In-Charge.	No.	4	8	2,740	10,961
57	Inspection of purging system of Bag filter	Checking of operation of Pulsing valve at site,Prepare inspection report etc.	No.	1	2	458	458
58	Arresting of leakage of purging pipe/manifold	Receiving of Spare from warehouse and shifting to the work site,Removing of Top cover (compartment wise)as per the instruction of E-I/C, Inspection of Purging lines, Repair/Replacement of damaged purging lines,refixing of Purging line and top cover,Shifting of old assembly to scrap yard/Store as per the instruction of E-I/C.	No.	3	6	2,740	8,221
P	Impingement Box						
59	Replacement of Liner plate of Impingement box	Opening of impingement box liner door, Removing of liner and cleaning of area, Receiving of Spare from warehouse and shifting to the work site, replacement of gasket if required and fixing of liner at position, Closing of impingement box liner door, shift the old/damaged liner to scrap bin etc.	No.	1	2	2,769	2,769
60	Inspection of Liner plate of Impingement box	Opening of impingement box liner door, Inspection of liner and cleaning of area, replacement of gasket if required and checking of liner at position, Closing of impingement box liner door, shift the old/damaged liner to scrap bin etc.	No.	2	4	1,385	2,769
61	Replacement of Gasket of Impingement box door	Opening of impingement box liner door, removing of old gasket and cleaning of area, Receiving of Spare from warehouse and shifting to the work site, cutting of gasket of required size and fixing of gasket, Closing of impingement box liner door, shift the old/damaged gasket to scrap bin etc.	No.	2	4	685	1,370
62	Attending puncture of Impingement box	Inspection of Impigement box, Cutting of patch of required size from old/new pipe/plate, Arrangement of welding machine at location.arrangement of approach/scaffolding for patching,Patching/Welding, Dismantling of scaffolding and shifting to the storage area.	No.	1	2	2,754	2,754

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
Q	Transport Air Compressors (Make:Kirkoskar Pneumatic Co. Ltd,Model:T-BTD-R2M)						
63	Gear pump replacement	Receiving of Spare from warehouse and shifting to the work site, Remove old gear pump and replace by New gear pump, Manual Oil pumping for checking of pump's operation, attend oil leakage if any, Replace gasket if required etc.	No.	1	2	1,038	1,038
64	One way clutch replacement	Receiving of Spare from warehouse and shifting to the work site, Remove old clutch and replace by New clutch, etc.	No.	1	2	692	692
65	Tube plugging of intercooler / after cooler (No. of instance of dismantling.)	Receiving of Spare from warehouse and shifting to the work site, Dismantling of Intercooler, arrangement of Tube leakage testing, Test tube leakage, Plugging of leaked tube by plug if any, Refix intercooler assembly, Replace Gasket if required etc.	No.	1	2	4,154	4,154
66	Tube bundle replacement	Receiving of Spare from warehouse and shifting to the work site, Dismantling of Intercooler and intercooler assembly, Removing of Tube bundle and Replacement by New tube bundle, Assembly of intercooler, Re-installation of intercooler, replace gasket if required etc.	No.	1	2	2,769	2,769
67	Replacement of Bearing (Journal bearing or Spherical roller bearing) - No. of instance of dismantling.	Remove belt Guard, Remove Tyre/Coupling Bolts/Bush/Coupling, Receiving of Spare from warehouse and shifting to the work site, Inspection of bearing By opening of Top cover if required, Replace old/Damaged bearing by new Bearing as per the instruction of E-I/C, Checking of alignment, Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preparation, Refixing of Guard Take trial run etc.	Set	1	2	8,307	8,307
68	Replacement of Wear Rings / or Compression ring of HP / LP Piston (no. of instance of dismantling)	Clean equipment By Diesel, Empty-out oil by opening of Top cover, Remove HP & LP pistons, Receiving of Spare from warehouse and shifting to the work site arrangement of oil bath and temperature gauge for wear ring replacement, Dismantling of Piston assembly, Inspection of Piston/Compression/ & Wear rings if required, Clean Cylinder Liners, Re-assembly of Piston. Set Clearance of Cylinders, Replace Radial & Axial glands if required, Flush Bearing Oil lines, Check Float of crankshaft, Check quality of oil, replace if required etc..	Set	1	2	8,307	8,307
69	Gasket replacement of HP / LP / Delivery bottle flange.	Receiving of Spare from warehouse and shifting to the work site, Dismantling of HP/LP Bottle assembly, Replacement of Gasket. Re-installation of HP/LP Bottle assembly etc.	No.	1	2	692	692
70	Oil wiper replacement of LP/HP piston	Receiving of Spare from warehouse and shifting to the work site, Removing of crosshead cover, Replacement/Adjustment of Oil wiper Packing. Re-fixing of Crosshead cover ETC..	No.	1	2	1,385	1,385
71	Inspection/Servicing of abnormal noise from HP / LP valve	After inspection while equipment is in operation Obtain Permit To Work (PTW) of Equipment By the Engineer-in-charge, Dismantling of identified malfunctioning HP/LP Valves, Receiving of Spares from warehouse and shifting to the work site, Service/Repair/Replace LP/HP valves, Service HP/LP Valves by diesel cleaning/Lapping and assembly, check for Passing/Non Passing of serviced valves by Diesel, Re-fixing of HP/LP Valves along with O-rings if required etc.	No.	1	2	1,385	1,385

PACKAGE - B							
SCHEDULE OF QUANTITIES AND PRICE							
"Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and <u>Ash Handling System</u> " for 2 years period. [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]							
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
R	Fly Ash Conveying Lines						
72	Inspection/ Replace Disc / Liner / Seal of Ash Intake valve	Remove the Valve assembly from the place of installation, Cleaning and Inspection of seat or disc or liner, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace if Required, Check the gasket replace is required,Refixing of Door.	No.	100	200	685	68,480
73	Inspection/Servicing/ Replace of Disc / Seat of 2 way Vent valve / Pressure Equalising valve	Remove /opening of inspection door, Cleaning and Inspection of seat or disc, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace if Required, Check the gasket, replace is required,Refixing of Door etc.	No.	50	100	685	34,240
74	Opening & Re-fixing / Replacement of Vessel Dome / replacement of dome cloth or removing choke up of vessel	Dismantling of vessel's Dome and Purging line, Internal inspection of vessel, Dome's Cleaning and Inspection of center bolt replace if required, Inspection of Perforated sheets/Disc repair by welding if required,Inspection of Fluidising cloth replace if required, Receiving of Spare from warehouse and shifting to the work site, Check the gasket- replace is required, Re-assemble the Dome and refix the dome to vessel and Purging line etc.	No.	32	64	4,111	1,31,549
75	Replacement of gasket of Ash intake valve / Vent valve/Equalising Valve/Bellow / Discharge valve / Fluidizing Pad / Vessel Dummy / KGVs	Cleaning,dismantling and inspection of AIV/Bellow/Discharge valve/Fluidising Pad/Vessel Dummy/KGV's Receiving of Spare from warehouse and shifting to the work site, Replace the Gasket by new one if required make new gasket as per requirement, shift the old/damaged gasket to scrap bin etc.	No.	100	200	685	68,480
76	Coupling gasket replacement for Pipe line (Size: 100 to 250 NB)	Cleaning,dismantling and inspection, Receiving of Spare from warehouse and shifting to the work site, Replace the Gasket,Re-fix the coupling, shift the old/damaged gasket to scrap bin etc.	No.	150	300	685	1,02,719
77	Replacement of Ash Intake valve	Remove the Valve assembly from the place of installation, Receiving of Spare from warehouse and shifting to the work site, Replace old AIV assembly by new AIV assembly, Check the gasket replace is required,shifting of AIV to store etc.	No.	6	12	1,377	8,262
78	Choke up removal of Fly Ash line (no. of instance, in approx. 6 m length of Size:80 NB to 250 NB)	Open Pipe couplings if required, ask the operation department for line flushing,Hammering if required, Remove chock-up,Refix the door/dummy and coupling. get the confirmation from operation department for performance of line etc.	No.	10	20	2,758	27,584
79	Hopper Adapter removal & re-fixing	Remove expansion bellow and KGV-Below adapter,Remove adapter,inspection of hopper, Re-fixing of adapter as per the instruction of E-I/C, Replace gasket if required etc.	No.	50	100	1,371	68,533
80	Hopper Adapter choke up cleaning	Remove expansion bellow and KGV-Below adapter,Remove adapter,inspection of hopper,Removing of Chock-up, Re-fixing of adapter as per the instruction of Engineer-in-charge, Replacement of gasket if required.	No.	16	32	1,371	21,930
81	Repair of perforated sheet / Dome of Ash transmitter vessel.	Dismantling of vessel's Dome and Purging line, Internal inspection of vessel, Dome's Cleaning and Inspection of center bolt replace if required, Inspection of Perforated sheets/Disc repair by welding if required,Inspection of Fluidising cloth replace if required, Receiving of Spare from warehouse and shifting to the work site, Check the gasket replace is required, Re-assemble the Dome and refix the dome to vessel and Purging line etc.	No.	5	10	916	4,580

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
82	Choke up removal of purging line(Size:40 NB to 100 NB)	Open Pipe couplings/Valves/Plugs if required, ask the operation department for line flushing,Hammering if required, Remove chock-up,Refix the door/dummy and coupling. get the confirmation from operation department for performance of line, if chock-up has been removed etc.	No.	8	16	1,371	10,965
83	Inspection of vessel by dummy opening	Open the vessel's dummy ask the operation department for line flushing,Hammering if required, Remove chock-up,Refix the door/dummy, if chock-up has been removed.	No.	100	200	458	45,795
84	Replacement of Bush/Gland of Vent valve / Ash Intake valve/ Pressure Equalising Valve	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged valve and Repairing/ replacement by new valve, Shifting of old assembly to scrap yard/Store as per the instruction of E-I/C.	No.	12	24	689	8,269
85	Replacement of Coupling set	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged coupling set along with gasket, replacement by new coupling assembly, Shifting of old assembly to scrap yard/Store as per th einstruction of Engineer-in-Charge etc.	No.	6	12	2,740	16,441
86	Repair / Replacement of Vent Valve distance piece	Inspection of distance piece, Receiving of Spare from warehouse and shifting to the work site, Dismantling of old / Damaged distance piece along with gasket, replacement by new piece or repair, Shifting of old assembly to scrap yard/Store as per th einstruction of Engineer-in-Charge etc.	No.	4	8	685	2,739
S	ESP/Fly Ash Silo Fluidizing air Lines						
87	Replacement of Globe / Gate / Needle / Ball valve (Size: 1/2" to 3")	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged valve and replacement by new valve along with teflon tape, Shifting of old assembly to scrap yard/Store as per th einstruction of E-I/C.	No.	10	20	685	6,848
88	Replacement of hose pipe (Size:3/8" to 1")	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Hose and replacement by new Hose along with teflon tape and fittings, Shifting of scrap yard/Store as per th einstruction of E-I/C.	No.	10	20	343	3,429
89	Arresting leakage of fluidizing air line / Pad	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Hose/Fiting and replacement by new Hose along with teflon tape, Shifting of scrap yard/Store as per th einstruction of E-I/C.	No.	25	50	343	8,573
90	Inspection/Choke up removal of fluidizing air line / pad	Receiving of Spare from warehouse and shifting to the work site, De-coupling of Pipe,Chock-up removing by blowing air/Hammering etc, Shifting of scrap yard/Store as per the instruction of E-I/C.	No.	20	40	343	6,859
T	Centrifugal Horizontal Water Pump						
91	Replacement of bearings	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required,Replace old/damaged bearing with grease,Re-assembly of Pump and alignment with drive motor, Shifting of scrap yard/Store as per th einstruction of E-I/C.	Set	1	2	4,131	4,131
92	Replacement of gland packing	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required,Replacement of old/damaged Gland by opening of stuffing-box/Adjusting the bolts, with greasing if required,Re-assembly of Pump and alignment with drive motor, Shifting of scrap yard/Store as per the einstruction of Engineer-in-Charge.	No.	1	2	344	344

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
93	Coupling / bush replacement	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required, Replacement of bush and coupling if required, alignment with drive motor, Shifting of scrap yard/Store as per the instruction of Engineer-in-Charge.	No.	1	2	689	689
94	Overhauling of Centrifugal Pump	Equipment Cleaning, Gland leakage attending, Attend leakage if any other, Valve spindle greasing, NRV checking/Repairing, Foundation bolt tightening, Strainer cleaning, Alignment Checking, Impeller inspection & Replacement if Required, bearing inspection, Shaft with sleeves Inspection, Replace spare if required etc.	No.	1	2	6,923	6,923
95	Strainer Cleaning	Removing of strainer from housing, Strainer cleaning by wire brush, repairing if required, Re-fix the strainer.	No.	2	4	692	1,385
U	Rotary Vane Feeders						
96	Fabrication / Replacement of blade tips	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C	No.	1	2	2,740	2,740
97	Coupling / Spider replacement	Guard removing, Remove/Replace Spider/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment, Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preparation, Refixing of Guard etc.	No.	1	2	692	692
98	Overhauling of Rotary Vane Feeders	Clean equipment, Remove chock up if required, Attend leakage if any, including KGVs, Check condition of blade tips Replace if required, Bearing greasing, Oil Level & oil condition Checking, Replace if required, Checking of coupling condition, Replace if required, Dismantle feeder, Check clearance of blade tips, Change/Set if required.	Set	1	2	2,769	2,769
99	Choke-up removal	Receiving of Spare from warehouse and shifting to the work site, Opening of spool piece/inspection door, Chock up removing, Re-fixing of Spool piece and inspection door.	No.	1	2	685	685
100	Leakage attending from inspection door/ spool piece.	Receiving of Spare from warehouse and shifting to the work site, Opening of spool piece/inspection door, Replacement of gasket, Re-fixing of Spool piece and inspection door.	No.	1	2	685	685
101	Replacement of Gland packing	Opening of stuffing box, Inspection of the shaft for any wear, Remove the old / damaged Gland, Receiving of Spare from warehouse and shifting to the work site, Cleaning of the Groove, Fitting of new Gland, checking of operation of rotary feeder.	No.	4	8	685	2,739
V	Dust Conditioners						
102	Choke up removal.	Receiving of Spare from warehouse and shifting to the work site, Opening of spool piece/inspection door, Chock up removing, water washing, Re-fixing of Spool piece and inspection door.	No.	2	4	1,371	2,741
103	Bearing replacement	Guard removing, Remove/Replace Drive belt/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Check alignment, Re-alignment if required, arrangement of required tools & tackles for alignment.	Set	1	2	2,740	2,740
104	Drive alignment checking	Remove Belt Guard, Remove/Replace Drive belt/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment, Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preparation, Refixing of Guard etc.	No.	1	2	2,077	2,077

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
105	Replacement of blade with or without brace of dust conditioner / paddle mixer (in no. of blades)	Receiving of Spare from warehouse and shifting to the work site, Opening of inspection doors, Cleaning of paddle mixer/Dust conditioner, Cutting/Removing of old/Damaged blades, Welding/Fixing of new blades, Shifting of old blades to scrap yard/Bin.	No.	1	2	1,300	1,300
106	Complete removal of blade with or without brace of dust conditioner / paddle mixer (in no. of blades)	Receiving of Spare from warehouse and shifting to the work site, Opening of inspection doors, Cleaning of paddle mixer/Dust conditioner, Cutting/Removing of old/Damaged blades, Welding/Fixing of new blades, Shifting of old blades to scrap yard/Bin.	0	6	12	3,135	18,810
W	Centrifugal Vertical Water/sump Pump						
107	Replacement of bearings	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required, Replacement of old/damaged bearing with greasing, Re-assembly of Pump and alignment with drive motor, Shifting of scrap yard/Store as per the instruction of E-I/C.	Set	1	2	2,769	2,769
108	Replacement of gland packing	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required, Replacement of old/damaged Gland by opening of stuffing-box/Adjusting the bolts, with greasing if required, Re-assemble Pump and alignment with drive motor, trial run etc.	No.	1	2	692	692
109	Coupling / bush replacement	Guard removing, Remove/Replace Spider/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment, Re-alignment if required, arrangement of required tools & tackles for alignment.	No.	1	2	1,385	1,385
110	Overhauling of Vertical Water/ Slurry Pump	Equipment Cleaning, Gland leakage attending, Attend leakage if any, Valve spindle greasing, NRV checking/Repairing, Foundation bolt tightening, Strainer cleaning, Alignment Checking, Impeller inspection & Replacement if Required, bearing inspection, Shaft with sleeves Inspection, Replace spares if required.	No.	1	2	8,307	8,307
111	Strainer Cleaning	Remove of strainer from housing, Strainer cleaning by wire brush, repairing if required, Re-fix the strainer etc.	No.	4	8	1,028	4,111
X	Silo Equipments						
112	Silo choke up removal (No of Instance)	Opening of spool piece/inspection door for Chock up removing by Pocking, Fluidising line inspection, Re-fixing of Spool piece and inspection door etc.	No.	20	40	1,371	27,413
113	Flow meter top / side rubber gasket replacement	Internal & external Cleaning, Adjustment of internal parts if required, Replacement of Gasket if required, Leakage attending if any.	No.	6	12	1,371	8,224

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
Y	Bulk Loading Spout						
114	Servicing/Replacement of Wire rope & its pulley (1 set= 3 No's)	Ensure the spout position is fully extended and supported from beneath, clean the equipment, raise the discharge and unwind the cables, remove out the sheave assembly, inspect, service / clean, Receiving of Spare from warehouse and shifting to the work site, replace parts if required.	Set	1	2	1,371	1,371
115	Inspection/Repair/Replacement of Outer sleeve assembly/	Ensure the spout position is in fully retracted position and supported from beneath, loosen the upper and bottom flexible sleeve clamp, and remove the sleeve from upper clamping ring. lower the sleeve and remove from beneath. Receiving of Spare from warehouse and shifting to the work site, replace parts if required.	No.	1	2	2,055	2,055
116	Inspection & Cleaning/Replacement of CFM filter (1 set= 7 No's)	Remove the filter cartridges from CFM unit, inspect / clean / replace if required. Receiving of Spare from warehouse and shifting to the work site, replace parts if required.	Set	1	2	1,371	1,371
117	Removing of Choke up / jamming of Telescopic Spout	Take work permit, remove chock up, take trial run for trouble free operation.	No.	1	2	1,371	1,371
118	Inspection/Repair/Replacement of Inner cone assembly	Ensure the spout position is in fully retracted position and supported from beneath, loosen the upper and bottom flexible sleeve clamp, and remove the sleeve from upper clamping ring. lower the sleeve and remove from beneath. Dismantle and replace inner cone assembly. Receiving of Spare from warehouse and shifting to the work site, replace parts if required.	Set	1	2	4,111	4,111
Z	Common Items						
119	Removing and Refixing after Service / Repair / Replacement of manual or pneumatic operated Knife gate valves/Globe/Gate (including gasket) Up to 200 NB size.	Remove the valve from line or the place of installation, Cleaning, dismantling and inspection as per requirement, Receiving of Spare from warehouse and shifting to the work site, Repair, Replace as per the instruction of E-I/C. Re-install/Re-fix the valve, Replace the gaskets if required.	No.	150	300	856	1,28,439
120	Removing and Refixing after Service / Repair / Replacement of manual or pneumatic operated Knife gate valves/Globe/Gate Valve (including gasket) from 250 NB to 350 NB size.	Remove the valve from line or the place of installation, Cleaning, dismantling and inspection as per requirement, Receiving of Spare from warehouse and shifting to the work site, Repair, Replace as per the instruction of E-I/C. Re-install/Re-fix the valve, Replace the gaskets if required.	No.	50	100	1,371	68,533
121	Service / Repair / Replacement of manual or pneumatic operated Butter fly valve valves up to 200 NB size.	Remove the valve from line or the place of installation, Cleaning, dismantling and inspection as per requirement, Receiving of Spare from warehouse and shifting to the work site, Repair, Replace as per the instruction of E-I/C. Re-install/Re-fix the valve, Replace the gaskets if required.	No.	143	286	1,028	1,46,965
122	Service / Repair / Replace of manual or pneumatic operated Butter fly valve from 250 to 350 NB size.	Remove the valve from line or the place of installation, Cleaning, dismantling and inspection as per requirement, Receiving of Spare from warehouse and shifting to the work site, Repair, Replace as per the instruction of E-I/C. Re-install/Re-fix the valve, Replace the gaskets if required.	No.	15	30	1,371	20,560
123	Removing and refixing after Service / Repair / Replacement of pneumatic operated Discharge valves(Including gasket) up to 250 NB size.	Remove the valve from line or the place of installation, Cleaning, dismantling and inspection as per requirement, Receiving of Spare from warehouse and shifting to the work site, Repair, Replace as per the instruction of E-I/C. Re-install/Re-fix the valve, Replace the gaskets if required.	No.	1	2	2,740	2,740

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124	Service / Repair / Replacement of manual or pneumatic operated Control Valve up to 200 NB size.	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection as per requirement,Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C.Re-install/Re-fix the valve,Replace the gaskets if required.	No.	30	60	1,371	41,120
125	Removing of Choke up / Jamming, of Discharge valve	Cleaning and inspection,Opening of Vent Plug,Flushing/cleaning by Air Operate manually etc.	No.	40	80	520	20,789
126	Replacement of castings (Bend, Tee, Spool piece, Reducer)up to 350NB including inlet and outlet coupling gasket	Spare from warehouse and shifting to the work site, Dismantling of old/Damaged casting piece along with inlet and outlet couplings and replacement by new Piece, scrape shifting as per the E-I/C.	No.	6	12	2,740	16,441
127	De-Coupling & alignment of LT drives	Remove Guard, Removing of V-Belts/Tyre/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment,Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preperation, Refixing of Guard etc.	No.	1	2	1,385	1,385
128	De-Coupling & alignment of HT drives	Remove coupling Guard, Remove Tyre/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Check alignment,Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preperation, Refix Guard ,take trial run etc.	No.	1	2	2,769	2,769
129	Servicing of Pressure/ Safety relief valve (Bed ash Silo,Fly ash silos, Air receiver and Blower's)	Cleaning and inspection, Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of Engineer-in-charge, Re-install/Re-fix the valve,Replace the gaskets if required etc.	No.	4	8	1,371	5,483
130	Patching of pipeline (air & water line up to 350 NB). Maximum length of patch upto 2.00 mtr.	Patch cutting from old/new Pipes as per the requirement , Arrangement of welding machine at location.arrangement of approach/scaffolding for patching,Patching/Welding, Dismantling of scaffolding and shifting to the storage area.	No.	150	300	685	1,02,719
131	Inspection/Thickness measurement of Bed ash conveying lines from Intermediate surge hopper to Silo.	Receiving of thickness measuring tool from Engineer-in-charge, Measurement of Pipe thickness, Return thickness measuring tool to E-I/C, Preperation of Report and submission to E-I/C.	No.	2	4	916	1,832
132	Fabrication of MS reducer (up to 150 NB)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	1	2	2,769	2,769
133	Fabrication of MS reducer (200 NB to 350 NB)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	1	2	3,461	3,461
134	Replacement of M.S Reducer (up to 150NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old reducer and replacement by new reducer,shift old reducer to scrape yard.	No.	1	2	1,713	1,713
135	Replacement of M.S Reducer (200 NB to 350 NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old reducer and replacement by new reducer,shift old reducer to scrape yard.	No.	1	2	3,425	3,425
136	Replacement of M.S. pipelines (<200 NB / 350 NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Pipe line as per the instructions of Engineer-In-Charge and replacement by new Pipelines,shft old pipes to scrap yard etc.	Meter	75	150	1,379	1,03,438
137	Replacement of M.S. pipelines (15 NB to > 100 NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Pipe line as per the instructions of Engineer-In-Charge and replacement by new Pipelines,shft old pipes to scrap yard etc.	Meter	80	160	520	41,578

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138	Replacement of M.S. pipelines (<100 NB to 200 NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Pipe line as per the instructions of Engineer-In-Charge and replacement by new Pipelines,shft old pipes to scrap yard etc.	Meter	20	40	685	13,696
139	Fabrication of M.S spool piece up to 150 NB, Size: 1 meter with/without flange	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	5	10	685	3,424
140	Replacement of M.S Spool piece up to 150 NB,Size: 1 meter with/without flange	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Spool piece as per the instructions of E-I/C and replacement by new spool piece,shft old pipes/castings/spool piece to scrap yard etc.	No.	10	20	685	6,848
141	Fabrication of M.S spool piece up to 150 NB to 350 NB, Size: 1 meter with/without flange	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Spool piece as per the instructions of E-I/C and replacement by new spool piece,shft old pipes/castings/spool piece to scrap yard etc.	No.	4	8	1,028	4,111
142	Replacement of M.S Spool piece up to 150 NB to 350 NB,Size: 1 meter with/without flange	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Spool piece as per the instructions of E-I/C and replacement by new spool piece,shft old pipes/castings/spool piece to scrap yard etc.	No.	4	8	1,028	4,111
143	Replacement of wear pipe (100NB to 250NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Spool piece as per the instructions of E-I/C and replacement by new spool piece,shft old pipes/castings/spool piece to scrap yard.	Meter	2	4	1,824	3,649
144	Replacement of Cast iron pipe (250NB to 350NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged casting as per the instructions of E-I/C and replacement by new piece,shft old pipes/castings to scrap yard etc.	Meter	12	24	913	10,952
145	Arresting leakage of air / ash by applying putty/m-seal etc.	Receiving of Spare from warehouse and shifting to the work site, apply putty/m-seal etc. to arrest the leakage etc.	No.	16	32	458	7,327
146	Removing / Fabrication & Plugging of Vent line, Vessels by providing MS plug (Plug dia. up to 40 NB)	Receiving of Spare from warehouse and shifting to the work site, cutting of hole in vent line and welding of G.I.Coupling/Nut for plug, Fixing of plug with teflon tape etc.	No.	10	20	685	6,848
147	Removing / Refixing / Replacement / Repairing NRV up to 150 NB	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection, Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C, Re-install/Re-fix the valve,Replace the gaskets if required etc.	No.	6	12	1,028	6,166
148	Removing / Refixing / Replacement / Repairing NRV up to 200 NB to 300 NB	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection, Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C, Re-install/Re-fix the valve,Replace the gaskets if required etc.	No.	10	20	1,371	13,707
149	Filling / Sealing of punctured castings by welding by special purpose electrode	Remove the casting from line or the place of installation, Cleaning and inspection, Receiving of Spare(Special electrodes) from warehouse and shifting to the work site, Arrangement of welding electrode oven, Filling/Repairing of castings with special electrodes as per the instruction of E-I/C.	No.	2	4	1,846	3,691

PACKAGE - B							
SCHEDULE OF QUANTITIES AND PRICE							
"Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and <u>Ash Handling System</u> " for 2 years period. [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]							
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
150	Filling of Knife gate valve plate by special Electrode (Size: 100 NB to 350 NB)	Remove the gate valve plate from line or the place of installation, Cleaning and inspection, Receiving of Spare(Special electrodes) from warehouse and shifting to the work site, Arrangement of welding electrode oven, Filling/Repairing of plate with special electrodes/Grinding as per the instruction of E-I/C.	No.	12	24	692	8,307
151	Replacement of Gland packing of KGV / Gate valve (Size: 100 NB to 350 NB)	Inspection of the Valve/Slide Plate, Remove the old/damaged Gland, Receiving of Spare from warehouse and shifting to the work site, Cleaning of the Groove, Fitting of new Gland,checking of operation of valve if required.	No.	20	40	1,287	25,740
152	Silo Inspection Door Opening /Closing	Loosening of Bolts,Opening of Door,Covering of opening with Plastic,afterCompletion of removing of Plastic,Closing of doors and Refixing of Bolts.	No.	6	12	2,287	13,719
153	Manufacturing of Mitre bends up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	2	4	2,769	5,538
154	Manufacturing of Mitre bend 200 NB to 300 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	2	4	4,154	8,307
155	Erection of any type of valve with 02 no. flanges up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Erection of New valve or Replacement of old valve with new valve with matching flanges etc.	No.	4	8	2,740	10,961
156	Erection of any type of valve with 02 no. flanges 200 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Erection of New valve or Replacement of old valve with new valve with matching flanges etc.	No.	4	8	2,740	10,961
157	Fabrication of blade for Dust conditioner from 20 mm thick MS with 02 no. holes (16 mm dia.)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	4	8	1,385	5,538
158	Fabrication/ Replacement of vent line stub pipe including flange	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C or Dismantling of old/Damaged vent line stub and replacement by new stub, Shift scrap to the scrap yard etc.	No.	4	8	1,385	5,538
159	Fabrication of flange/Dummy up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	4	8	692	2,769
160	Fabrication of flange/Dummy 200 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	6	12	1,038	6,230
161	Replacement/Erection of M.S/G.I Bend/Elbow (up to 50NB)	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Bend and replacement by new Bend, Shift scrap to the scrap yard etc.	No.	4	8	458	1,832
162	Replacement / Erection of MS/G.I Bend from >50 NB to 150	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Bend and replacement by new Bend, Shift scrap to the scrap yard etc.	No.	8	16	1,028	8,222
163	Replacement / Erection of MS Bend from > 150 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Bend and replacement by new Bend, Shift scrap to the scrap yard etc.	No.	8	16	2,055	16,444
164	Replacement / Erection of MS Flange/Dummy up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Flange and replacement by new Flange.	No.	20	40	1,028	20,555
165	Replacement / Erection of MS Flange/Dummy from 200 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Flange and replacement by new Flange.	No.	10	20	2,055	20,555
166	Fabrication of sealing plate (plate size: 3.15 mm. max 0.4* 0.4 m2) or Sealing of Ash transmitter vessel by plate with plastic	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	60	120	513	30,800

PACKAGE - B							
SCHEDULE OF QUANTITIES AND PRICE							
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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
167	Air Receiver- drain line / valve choke removal / replacement	Remove drain valve/drain pipe, Remove chock-up, Replace valve, fittings if required and Re-fix with teflon tap etc.	No.	15	30	215	3,225
168	Oil top up / replacement in Gear box, Compressor/blower.	Check oil level and oil quality, Top-up up/Replace if required, External cleaning of the gear box etc.	No.	8	16	229	1,832
169	Replacement of Silo discharge chute cloth	Replacement of old/Damaged cloth by new cloth, shifting of old cloth to scar bin etc.	No.	12	24	1,028	12,333
170	Replacement of Vessel Support (1 Support = 1 Leg)	Receiving of spare from warehouse and shifting to the work site, Fabrication of leg as per the requirement, Erection of leg by replacing the old/damaged support leg, Shifting of old/damaged legs to scrap yard/Bin.	No.	20	40	1,371	27,413
171	Grease Top up in Blower / Compressor / Paddle mixture / Dust conditioner	Receiving of Grease from warehouse and shifting to the work site, Top-up/Replace as per requirement, clean the equipment etc.	No.	6	12	343	2,058
172	Erection & Dismantling of scaffolding including Gratings and ladders for the Temporary Platform for miscellaneous works.	Arrangement of Scaffolding pipes, clamps, grating etc, Erection of Scaffolding as standard Practice, Dismantling of Scaffolding after completion of Job, Shifting of Pipes and clamps to the storage area etc.	Per cubic metre	1116	2232	115	1,28,362
173	Ground unloading of Fly ash / Bed ash from Hoppers	Removing of Expansion bellow/Spool Piece, Opening of Isolation gate, Ground unloading of material as per instruction of E-I/C, Refixing of Expansion bellow/spool piece along with gasket if required, Shifting of Pipes and clamps to the storage area ETC.	No.	150	300	643	96,450
174	Fabrication / Repair of V belt/coupling guard	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	1	2	2,077	2,077
175	Fabrication / Repair / Replacement of Hand railing with toe guard (Complete frame)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	Meter	12	24	1,371	16,448
176	Fabrication/Erection/Replacement of Pipe clamp up to 350 NB pipe	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	18	36	349	6,288
177	Fabrication/Erection of Structure	Receiving of steel from ware house, Fabricate, Paint & Erect structure as per the drawing or instruction of Engineer-in-charge.	MT	1	2	23,257	23,257
178	Dismantelling of Structure	Take Work Permit from Engineer- in-charge, dismantle the structure as per the instruction of Engineer-in-charge, shifting of scrap to the scarp yard.	MT	1	2	9,303	9,303
179	Erection/ Dismantling/Replacement of Grating	Receiving of gratings from ware house, Replace the grating as per the drawing or instruction of Engineer-in-charge, Return Permit to Work to Engineer-in-charge,	MT	1	2	10,276	10,276
180	Replacement of Wear / Ceramic Pipe / Bend / Y branch up to 300 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged ceramic bend and replacement by new Ceramic Bend etc.	No.	1	2	5,517	5,517
181	Removing & refixing/Repalcement/repair of Metallic/Non Metallic Expansion Joint Upto 200 NB	Clean by Air, Removing and inspection of expansion bellow, Unloading of ash from hoppers, Receiving of Spare from warehouse and shifting to the work site, Repair and Replace expansion joint if required along with gasket as per the instruction of E-I/C, Shifting of old Expansion joint to the site store ETC.	No.	175	350	689	1,20,585
182	Removing & refixing/Repalcement/repair of Metallic/Non Metallic Expansion Joint above 200 NB to 500 NB	Clean by Air, Removing and inspection of expansion bellow, Unloading of ash from hoppers, Receiving of Spare from warehouse and shifting to the work site, Repair and Replace expansion joint if required along with gasket as per the instruction of E-I/C, Shifting of old Expansion joint to the site store ETC.	No.	4	8	1,377	5,508

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
183	Fabrication of Weighbridge Tie Beam	Receiving of steel from ware house,Fabricate & Paint as per the drawing or instruction of Engineer-in-charge.	No.	4	8	2,754	11,016
184	Replacement of Weighbridge Tie Beam	Take work permit from operation, opening of deck plate of weigh bridge,inspection of structure for damaged beam, dismantling of damaged beam and replacement by new fabricated beam, refixing of deck plate with new fasteners, shifting of damaged beam to scap yard.	No.	4	8	2,754	11,016
185	Replacement of Castor wheel of maintenance trolley	Replacement of old / Damaged wheel by new wheel,shifting of old wheel to scrap bin etc.	No.	7	14	344	2,408
186	Unforeseen Jobs - H&M Deployment of Operator (Handling - Operation) [NORMAL]	Deployment of workmen of suitable / specified category, on as and when required basis, with all required Tools / Tackles and Consumables.	MANDAY	10	20	937	9,372
187	Unforeseen Jobs - H&M Deployment of Operator (Handling - Operation) [OVERTIME]		HOUR	13	26	234	3,046
188	Unforeseen Jobs - H&M Deployment of Maintenance Engineer		MANDAY	5	10	1,275	6,374
189	Unforeseen Jobs - H&M Deployment of Welder [NORMAL]		MANDAY	20	40	1,275	25,496
190	Unforeseen Jobs - H&M Deployment of Welder [OVERTIME]		HOUR	22	44	318	7,006
191	Unforeseen Jobs - H&M Deployment of Mill Wright / Mechanical Fitter [NORMAL]		MANDAY	1	2	1,275	1,275
192	Unforeseen Jobs - H&M Deployment of Mill Wright / Mechanical Fitter [OVERTIME]		HOUR	8	16	318	2,547
193	Unforeseen Jobs - H&M Deployment of Helper [NORMAL]		MANDAY	200	400	908	1,81,689
194	Unforeseen Jobs - H&M Deployment of Helper [OVERTIME]		HOUR	195	390	227	44,235
HOUSEKEEPING OF AHS							
195	Daily - AHS Control Room (Twice a day) Dry cleaning and Wet cleaning (Swabbing) of AHS Control room (Twice a day)	Dry sweeping followed with Wet cleaning (Swabbing) of floor, all doors & desk tables of AHS Control room. Phenyl is to be used with water for Wet cleaning (Swabbing). Dry cleaning of all PLC panels & control desk by yellow duster. Room freshener spray & 2 Nos. small dust-bins are to be maintained at AHS control room. Dust and other Garbage collected in these small dust-bins in AHS Control room and AHS Control Room surrounding area is to be disposed in large dustbin which shall be kept nearby AHS Control room.	No.	1	2	227	227
196	Daily - MCC adjoining AHS Control Room Dry Cleaning of Main MCC	Dry sweeping of Main MCC floors, windows and doors. All panels of MCCs are to be cleaned by yellow duster. Dust and other Garbage collected is to be disposed in large dustbin which shall be kept nearby AHS Control room.	No.	1	2	227	227
197	Daily - AHS Compressor cum Pump House and Workmen Rest Room Dry Cleaning of AHS Compressor cum Pump house and Workmen Rest Room	Dry sweeping of floor of AHS Compressor cum Pump house and Workmen Rest Room. Dust & garbage collected from AHS Compressor cum Pump House / Workmen Rest Room and its surrounding areas to be disposed in large dustbin which shall be kept nearby AHS Control room.	No.	365	730	455	1,65,986

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
198	Daily - AHS Office Cleaning and assistance for administrative/documentary work Dry / Wet cleaning (Swabbing) at AHS Office, Document Management for AHS O&M and Ash Sales activities	Dry sweeping followed with Wet cleaning (Swabbing) of floor of AHS Office premises. Phenyl is to be used with water for Wet cleaning (Swabbing). Dry cleaning of all AHS Executives' Desks, Computers and accessories etc. using yellow duster cloth. Room freshener spray & 6 Nos. small dust-bins are to be maintained at AHS Office premises. Dust and other Garbage collected in these small dust-bins, is to be disposed in large dustbin which shall be kept nearby AHS Office. Administrative / Documentary work like file movements, Cheque / Ash Balance documents movement pertaining to Ash Sale and Distribution work and other Office related works as directed by AHS executives.	No.	304	608	908	2,76,167
199	Daily - AHS Weigh-bridge Operator room Dry cleaning and wet cleaning (swabbing) of AHS Weigh-bridge Operator room	Dry sweeping followed with wet cleaning (swabbing) of floor, all doors, windows and desk tables of AHS Weigh-bridge Operator room. Phenyl is to be used with water for wet swabbing.	No.	1	2	284	284
200	Daily - Cleaning of Toilets (Total 3 Nos. daily) Cleaning of Toilets at AHS Control Room, AHS Office and at Weighbridge (Total 3 Nos. Toilets on Daily basis)	Cleaning of toilet near AHS Control room & weigh bridge (total 3 Nos.). Harpic is to be used for Toilet cleaning. Lifebuoy or Nirma soap shall be placed for hand wash at wash basin. Odonil tablet for air freshening and naphtha balls / tablets at urinal are to be used at toilets. Choke-up removal of drains of toilet, urinal & washbasin through an auto scrubber liquid whenever required is to be done. <i>(Toilet users 40 persons/day for toilets near AHS Control Room and 2 persons/day for Weigh-bridge toilet).</i>	No.	1	2	208	208
201	Daily - ESP Ground Floors with both side RCC Passages up to ESP Control room (Total 4 Nos. ESPs) Dry Cleaning of Ground floors of ESPs along with the RCC Passages on either sides of ESPs (till ESP Control Room buildings) of Unit-1,2,3,4	Dry sweeping of ESP ground floors of Unit # 1, 2, 3 & 4 along with both sides RCC passages respectively up to Service Road and ESP Control Rooms. Evacuation from pits beneath Ash Transmitting Vessels beneath ESPs is to be done. Quick removal of ash spilled due to choking of any equipment / pipe lines for any reason is to be done. Time to time, de-watering of ESP vessel pits is to be done. Cleaning of ash transmitter vessel legs & column foundations is to be done. <i>This item will not be executed during Unit Annual Shutdown and Monsoon period (from start of Unit shutdown to the complete execution of Item no. 218 below after annual shutdown. Total tentative no. of days per Annum the activity not to be executed shall be 51 days).</i>	No.	912	1824	908	8,28,502
202	Daily - Fly Ash Silo's Operating Floors (Total 4 Nos.) Dry Cleaning of Operating floors of All the Fly Ash Silos (Total 4 Nos.)	Dry sweeping of Silo operating floors including silo operator cabin (excluding silo top) of all Fly Ash Silos of U # 1, 2, 3 & 4 (Total: 4 Nos. Fly Ash Silos). 4 Nos. of Operating Floors to be cleaned daily. Quick removal of ash spilled due to choking of any equipment / pipe lines for any reason is to be done.	No.	1	2	170	170

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
203	Thrice a Week - Ground Floor Area surrounding the Induced Draft (I.D.) Fans including ID fans platform area of All Units (Total 4 Nos.) Dry Cleaning of Ground Floor Area surrounding the Induced Draft (I.D.) Fans of Unit-1,2,3,4 and ID motor and fan platform area	Dry cleaning of ground floor area surrounding the Induced Draft (I.D.) Fans of Unit # 1, 2, 3 & 4 and ID motor & fan platform area and chimney surrounding area of phase I and II. Quick removal of ash spilled due to choking of any equipment / pipe lines for any reason is to be done. <i>This item will not be executed during Monsoon period. Total tentative no. of days per Annum the activity not to be executed shall be 30 days).</i>	No.	624	1248	908	5,66,870
204	Thrice in a Week - AHS Weighbridge Total Cleaning of AHS Weighbridge (Top and bottom portion of weighbridge)	Total Cleaning of AHS Weighbridge - Top portion and Bottom portion of Weighbridge to be cleaned thoroughly. This cleaning shall be followed by water washing (if at all required and directed by Engineer In-charge). Total 2 No. AHS Weighbridge Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	1	2	455	455
205	Twice a Week - Bed Ash Silo's Operating Floors (Total 4 Nos.) Dry Cleaning of Operating floors of All the Bed Ash Silos (Total 4 Nos.)	Dry sweeping of Silo operating floors including silo operator cabin (excluding silo top) of all Bed Ash Silos of U # 1, 2, 3 & 4 (Total: 4 Nos. Bed Ash Silos). 4 Nos. of Operating Floors to be cleaned daily. Quick removal of ash spilled due to choking of any equipment / pipe lines for any reason is to be done.	No.	1	2	114	114
206	Twice a Week - Bed Ash MCC Dry Cleaning of Bed Ash MCC	Dry sweeping of Bed Ash MCC floors, windows and doors. All panels of MCCs are to be cleaned by yellow duster. Dust and other Garbage collected is to be disposed in large dustbin which shall be kept nearby AHS Control room.	No.	104	208	227	23,592
207	Weekly - MCC adjoining AHS Control Room and Workmen Rest Room Wet cleaning (swabbing) of Main MCC and Workmen Rest Room	Wet cleaning of floors, windows and doors of Main MCC adjoining AHS Control Room, and Workmen Rest Room. Phenyl is to be used with water for wet cleaning.	No.	52	104	455	23,647
208	Weekly - Fluidizing Blower Rooms (Total 3 Nos. Blower Room) Dry Cleaning and Wet Cleaning (swabbing) of Roofs and Floors Fluidizing Blower Rooms (Total 3 Nos. Blower Rooms)	Dry sweeping followed with water washing of floors & cleaning of walls & bottom roof of fluidizing blower rooms with its surrounding area for Fluidizing Blower rooms of Unit # 1, 2, 3 & 4. There are total Three (3) Fluidizing Blower rooms as 1) ESP blower room of SLPP, Phase-1 2) ESP blower room of SLPP, Phase-2, and 3) Silo blower room of SLPP, Phase-2.	No.	156	312	455	70,942
209	Weekly - General Water washing (through Water jetting) of surrounding areas of AHS Control Room and Pump House	Water washing of front area of AHS Control room, connecting road from AHS Control Room to Fly Ash Silo-1, 2. Sprinkling of water within area surrounding to AHS Compressor cum Pump house. Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	52	104	908	47,239
210	Fortnightly - Bed Ash MCC Wet cleaning (swabbing) of Bed ash MCC	Wet cleaning (swabbing) of Bed ash MCC floor, windows and doors. Phenyl is to be used with water for wet cleaning.	No.	24	48	341	8,179
211	Fortnightly - AHS Control Room, adjoining MCC and Workmen Rest Room. Dry Cleaning of Walls & Roofs of AHS Control Room, adjoining MCC and Workmen Rest Room.	Dry cleaning of Walls & Bottom of Roofs of AHS Control room, Main MCC adjoining AHS Control Room and Workmen Rest Room. The Cleaning shall be done on the Top of all MCC Panels placed in the MCC room.	No.	24	48	908	21,803

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Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
212	Fortnightly - AHS Compressor cum Pump House Dry Cleaning of Walls & Roof of Compressor cum Pump house	Dry cleaning of walls & bottom of Roof of AHS Compressor cum Pump house. The MOT Crane situated in Pump house shall also be cleaned alongwith. Safety Belts and other required safety appliances shall be provided to the workmen carrying out this job and the same shall be in Contractor's scope.	No.	24	48	2,725	65,408
213	Fortnightly - Fly Ash Silo Roofs and Fly Ash Silo nearby area (Total 4 Nos. FA Silos) Dry Cleaning of Top of Fly Ash Silos and FA Silo nearby area (Total 4 Nos. FA Silos)	Dry cleaning of All Fly Ash Silos Roofs, adjoining Walkways, Pipe enclosures and Silo stair towers along with staircase, FA Silo ground concrete area and road from weighbridge to FAS 3/4 and entry point road (nearby Silos). Total No. of Silos: 4 Fly Ash Silos	No.	96	192	500	48,000
214	Monthly - Bed Ash MCC Dry Cleaning of Walls & Roof of Bed Ash MCC	Dry cleaning of Walls & Bottom of Roofs of Bed Ash MCC. The Cleaning shall be done on the Top of all MCC Panels placed in the MCC room.	No.	12	24	908	10,901
215	Monthly - ESP / Boiler area Ash transmitting vessels (Total Vessels for 4 Nos. Units) Dry Cleaning of Ash Transmitting vessels for Fly Ash and Bed Ash (Total Vessels for 4 Nos. Units)	Dry cleaning of Ash Transmitter vessels, Connecting pipes including connected / approachable structure below ESP & Boiler area of Unit # 1, 2, 3 & 4. Required Hoses for Compressed Air for cleaning purpose shall be in Contractor's scope	No.	36	72	908	32,704
216	Monthly - Bed Ash Silo Roofs and Bed Ash Silo nearby area (Total 4 Nos. BA Silos) Dry Cleaning of Top of Bed Ash Silos and BA Silo nearby area (Total 4 Nos. BA Silos)	Dry Sweeping of All Bed Ash Silos Roofs, adjoining Walkways, Pipe enclosures and Silo stair towers along with staircase, including approach road of bed ash silo 1/2 (nearby Silos). Total No. of Silos: 4 Bed Ash Silo Roofs and Bed Ash Silo nearby area (Total 4 Nos. BA Silos)	No.	48	96	350	16,800
217	Monthly - General Water washing of 158N road, Road besides LLHS/AHS Office Building and Ash Water Tank	Water washing of 158N road (In-front of Fly ash & Bed ash silos of U # 1 & 2), Road besides LLHS / AHS Office building and Ash water tank. Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	12	24	2,725	32,704
218	Twice per Annum - Complete Cleaning of Drain Sump Pump Pits, accommodating the pumps, at FA and BA Silos and all underground drain in ESP area (Total 2 Nos. Sump Pits)	Cleaning of Sump pit & surrounding drains followed with disposal of accumulated sludge nearby JNT-13 using Tractor. There are Two Sump pits, 1) At Fly ash silo-3,4 and, 2) At Bed ash silo-3,4	No.	2	4	5,451	10,901
219	Twice per Annum - Cleaning of Drains surrounding AHS Control Room, ESP unit 1/2/3/4 and Compressor cum Pump house	Cleaning of all drains surrounding AHS Control Room, ESP unit 1/2/3/4 and AHS Pump house followed with disposal of accumulated sludge at JNT-13 using Tractor. Some Drains are covered with RCC Block and some are underground . On requirement, RCC Block shall be removed and subsequently, the Drains shall be cleaned.	No.	2	4	5,451	10,901
220	Annually - Ground Floor areas of ESPs along with its surroundings and Induced Draft (I.D.) Fan ground floor area of Unit # 1,2,3,4 (Total 4 Nos.)	Water washing of ground floor areas of ESPs, surrounding ESP area and Induced Draft (I.D.) Fans ground floor area of Unit # 1, 2, 3 & 4. Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	4	8	2,725	10,901
221	Annually - Internal Cleaning of Fly Ash Silos (Total 4 Nos. FA Silos)	Internal cleaning of Fly ash silos during the Annual Shutdowns, after the respective Silo made empty normally. (<i>Continual cleaning of Silo operating floors is to be done while Internal cleaning is under progress</i>).	No.	4	8	20,472	81,888

PACKAGE - B							
SCHEDULE OF QUANTITIES AND PRICE							
“Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and <u>Ash Handling System</u> ” for 2 years period. [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]							
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty. (per Annum)	Total Biennial Qty. (for 2 years)	SoR (Rs.)	Total Annual SoR Amount (excl. GST) (Rs.)
222	Annually - Cleaning of ESP Ground Floors with both side road up to the ESP Control room during Annual Shutdown of Unit(s) (Total 4 Nos.)	During any Unit's Annual Shut-down period, Internal water washing of ESP is being done. A 100 to 200 mm thick layer of ash slurry / sludge is built-up at ground floor of ESP. Cleaning of this layer shall be in the Scope of the Contractor. Schedule for Unit's Annual shutdown is approximately 20 to 25 days. Execution of this job shall be completed within 7 days after the completion of corresponding Unit's shutdown. <i>Water washing of ground floor areas of ESPs, surrounding ESP area and Induecd Draft (I.D.) Fans ground floor area of Unit # 1, 2, 3 & 4. Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.</i>	No.	4	8	22,178	88,712
223	General - Manpower Supply to main plant Operation for Ash cooler draining and Removal of Back shifting Material	Deployment of workmen for (i) Ash Cooler draining activity, and (ii) Removal of back shifting material from Boiler (0 meter) of U # 1, 2, 3 & 4 (iii) any other activity as directed by Engineer In-charge. Unskilled workmen shall be deployed in all three (3) shifts. One person per Unit in each shift i.e. morning, evening and night.	No.	1095	2190	908	9,94,747
224	Hopper chokeup cleaning (As and When required)	Complete cleaning of backpass hopper choked with fly ash / bed ash. Required tools like spade, tagara, water jetting hose, nozzle, bhalla, Belcha etc shall be in contractor scope.	No.	5	10	10,901	54,507
225	Unforeseen Jobs - Deployment of Workmen (Category: Unskilled) [Normal Manday]	Deployment of Workmen (Category: Un- skilled) on as and when required basis with all required Tools / Tackles and Consumables.	MANDAY	15	30	908	13,627
226	Unforeseen Jobs - Deployment of Workmen (Category: Unskilled) [Overtime Hours]		HOUR	43	86	227	9,754
Total Annual SoR Amount in Rs. (Excluding Contractor's Service Charge & excluding GST) (a)							99,16,642
Total Biennial SoR Amount in Rs. (Excluding Contractor's Service Charge & excluding GST) (b)							1,98,33,284
Grand Total: Total Biennial Estimated SoR Amount in Rs. (Excluding Contractor's Service Charge & Including GST @ 18%) (c)							2,34,03,275
Note:							
••The rates shall include all labour cost, equipments, supervision, consumables, tools, tackles, all taxes & duties (excluding GST). •• In no case, work shall be executed without proper Permit to Work (PTW) and after completion of work, PTW must be returned to the concerned. •• The activities mentioned are tentative and may vary as per the discretion of the Engineer In-Charge(EIC) or satisfactory performance of Equipments after taking trial run of the equipment / system whenever required. ••Working / Surrounding area must be free of Scrap,Spill over oil / Water / Grease / cotton waste or consumables used etc. after completion of Job and before returning PTW upto the satisfaction of Engineer in-charge. •• Hydra shall be arranged by contractor on as and when required basis to execute the jobs as per scope of work of this tender. •• Only in case of exigency of work, hydra shall be provided by GIPCL on chargeable basis.							

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

SUMMARY TABLE FOR PACKAGE A & PACKAGE-B

Descriptpion	Value in Rs. Lacs Without GST	Value in Rs. Lacs With 18% Prevailing GST
Package - A - LLHS estimated total contract value for two years	1497.84	1767.45
Package - B – AHS estimated total contract value for two years	198.33	234.03
TOTAL Estimated value in Rs. Lacs	1696.18	2001.49

Note: The rates shall include all labour cost, equipments, supervision, consumables, tools, tackles, transporation all taxes & duties (including GST). GST will be paid as per actual prevailing rate. Current rate is 18%.

My rates are as under.

At estimated value

OR

_____ %age above the estimated value

OR

_____ %age below the estimated value

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

SECTION-F

LIST OF ANNEXURES & FORMS

Sr. No.	Annexure No.	Description
Mentioned Above in SECTION-E	SECTION-E	Schedule of Rates-Price bid for Package-A (LLHS) all Annexures
	SECTION-E	Schedule of Rates -Price Bid for Package-B (AHS) all Annexures
1	Annexure -D	Checklist for passing the bill
2	Annexure -E	Performa of bank guarantee for order performance
3	Annexure -F	Performa of bank guarantee for EMD
4	Annexure-G	Performa Certificate-No Claim, No arbitration
5	Annexure -H	Maintenance job detail
6	Annexure -I	Standard job execution time for the major mechanical jobs
7	Annexure -J	List of tools and tackles & consumables
8	Annexure -K	Minimum qualification and experience of contractual employees
9	Annexure -L	Schedule of deviation from general and technical specifications
10	Annexure -M	Defect liability period
11	Annexure -N	Information containing details of proposal
12	Annexure- P	Declaration Cum Undertaking for safety laws and Regulations Compliance
13	Annexure-Q	Declaration for Contractual Disputes/ Litigations
14	Annexure-R	Document submitted for Pre-Qualification
15	Annexure-S	Procedure for online payment of EMD/SD/Tender Fee on GIPCL web portal
16	Annexure-T	Certificate Of Compliance By Contractor
17	Annexure-U	Ethics Pact

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-D

CHECKLIST FOR PASSING THE BILLS

[illegible]

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-E

**PROFORMA FOR CONTRACT SECURITY-CUM-PERFORMANCE GUARANTEE BY SELLER
/ CONTRACTOR.**

(To be executed on non-judicial stamped paper of approximate value)

B.G. No. _____

Date : _____

1. WHEREAS Gujarat Industries Power Company Limited having its office at PO: RANOLI, Dist. Vadodara – 391 350, Gujarat State, India (hereinafter referred to as “The Company/Owner” which expressions shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has entered into a contract with M/s. _____/ has placed a purchase order on M/s. _____ (hereinafter referred to as “Contractor(s)/ Seller(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns) for _____ on the terms and conditions as set out inter alia, in the Company’s contract No./ P.O.No. _____ date _____ and various documents forming part thereof hereinafter referred to as the “said contract” which expression include all amendments, modifications and/ or variations thereto and where as the Contractor(s)/ Seller(s) has agreed for due execution of the entire contract and guarantees its performance including any parts executed through any other agencies/ subcontractors

AND WHEREAS one of the conditions of the “said contract” is that “contractor(s)/seller(s) shall furnish to the owner a Bank Guarantee from a bank for% (.....percent) of the total value of the “said contract” against due and faithful performance of the “said contract” including performance guarantee obligations of the contractor(s)/seller(s) for execution/ supplies made under the “said contract.”

2. We _____ Bank having its branch office at _____ do hereby agree and undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Company stating that in the opinion of the Company, which is final & binding, the amount claimed is due by reason of default made by the Contractor(s)/ Seller(s) in performing any of the terms & conditions of the said Contract including defect liability obligations, in fulfilling the performance guarantee obligation or loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Contractor (s)/ Seller(s) of any of the terms & conditions of the contract. Any such demand made on the Bank by the owner shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However our liability under this guarantee shall be restricted to Rs. _____ (Rupees.....only).
3. We undertake to pay to the Company any money so demanded not withstanding any dispute or disputes raised by the contractor(s)/ Seller(s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the owner proceeding against the Contractor(s)/ Seller(s).

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said Contractor(s)/ Seller(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.
5. The Bank further unconditionally agrees with Gujarat Industries Power Company Limited (GIPCL) that Gujarat Industries Power Company Limited (GIPCL) shall be at liberty, without the Bank's consent and without affecting in any manner the Bank's obligation under this Guarantee, from time to time, to:
 - a. Vary and / or modify any of the terms and conditions of the Agreement.
 - b. Extend and / or postpone the time for performance of the obligations of the Contractor under the Agreement.
 - c. Forbear or enforce any of the rights exercisable by Gujarat Industries Power Company Limited (GIPCL) against the Contractor under the terms and conditions of the Agreement.
6. This guarantee shall be in addition to and not in substitution or in derogation of any other security held by Gujarat Industries Power Company Limited (GIPCL) to secure the performance of the obligations of the Contractor under the Agreement.
7. No action, event or condition, which by any Applicable Law should operate to discharge the Bank from liability hereunder, shall have any effect and the Bank hereby waives any right it may have to apply such law, so that in all respects its liability hereunder shall be irrevocable and, except as stated herein, unconditional in all respects.
8. This guarantee will remain valid up _____ days or _____ whichever is earlier. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that if this guarantee is extended for a period as mutually agreed between bidder & owner/purchaser, the guarantee shall be valid for a period so extended provided that a written request for such extension is received before the expiry of validity of guarantee.
9. WeBank further agree with the Company that the company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract(s)/ Order(s) or to extend the time of performance by the said Contractor(s) Seller(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the _____ Company against the said Contractor(s)/ Seller(s) and to forbear or enforce any of the terms and conditions relating to the said Contract(s)/ Order(s) and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor (s) / Seller(s) or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Contractor(s)/ Seller(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.
10. Notwithstanding anything contained herein before, our liability shall not exceed Rs.....(Rupees.....only) and shall remain in force till.....Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry we shall be discharged from all the liabilities under this guarantee.

Date.....

Corporate Seal of the Bank

...Bank

By its constitutional Attorney
Signature of duly Authorized
person
On behalf of the Bank
With Seal & Signature code

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-F

PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT

(To be executed on non-judicial stamped paper of appropriate value)

B.G. No. _____

Date : _____

1. WHEREAS M/s.Gujarat Industries Power Company Limited having its Corporate Office at PO: RANOLI, Dist.Vadodara – 391 350, Gujarat State, India (hereinafter called “The Company Owner” which expression shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has issued tender paper vide its Tender No.....for -----
----- (hereinafter called “the said tender”) to M/s.(hereinafter called the said Tenderer(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns and as per terms and conditions of the said tender, the tenderer shall submit a Bank guarantee for Rs..... (Rupeesonly) towards earnest money in lieu of cash.
2. WeBank having its branch office at do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that in the opinion of the company which is final and binding, the amount claimed is due because of any withdrawal of the tender or any material alteration to the tender after the opening of the tender by way of any loss or damage caused to or would be caused or suffered by the Company by reason of any breach by the said tenderer(s) of any of the terms and conditions contained in the said tender or failure to accept the letter of Intent Agreement or that the amount covered under this Guarantee is forfeited. Any such demand made on the Bank by the owner shall be conclusive as regards the amount due and payable by the Bank under this guarantee, However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....only).
3. We undertake to pay to the Company any money so demanded not withstanding any dispute or disputes raised by the tenderer (s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the owner proceeding against the tenderer.
4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said tenderer(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

5. The Bank further unconditionally agrees with Gujarat Industries Power Company Limited (GIPCL) that Gujarat Industries Power Company Limited (GIPCL) shall be at liberty, without the Bank’s consent and without affecting in any manner the Bank’s obligation under this Guarantee, from time to time, to:
 - a. Vary and / or modify any of the terms and conditions of the Agreement.
 - b. Extend and / or postpone the time for performance of the obligations of the Contractor under the Agreement.
 - c. Forbear or enforce any of the rights exercisable by Gujarat Industries Power Company Limited (GIPCL) against the Contractor under the terms and conditions of the Agreement.
6. This guarantee shall be in addition to and not in substitution or in derogation of any other security held by Gujarat Industries Power Company Limited (GIPCL) to secure the performance of the obligations of the Contractor under the Agreement.
7. No action, event or condition, which by any Applicable Law should operate to discharge the Bank from liability hereunder, shall have any effect and the Bank hereby waives any right it may have to apply such law, so that in all respects its liability hereunder shall be irrevocable and, except as stated herein, unconditional in all respects.
8. WeBank Ltd. further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the finalization of the said tender and that it shall continue to be enforceable till the said tender is finally decided and order placed on the successful tenderer(s) and or till all the dues of the company under or by virtue of the said tender have been fully paid and its claims satisfied or discharged or till a duly authorized officer of the company certifies that the terms and conditions of the said tender have been fully and properly carried out by the said tenderer (s) and accordingly discharges the guarantee.
9. That the Owner Company will have full liberty without reference to us and without affecting this guarantee to postpone for any time or from time to time the exercise of any of the power of the owner under the tender.
10. Notwithstanding anything contained herein before, our liability shall not exceed Rs..... (Rupees.....only) and shall remain in force till..... (Date to be filled up shall be 180 days from the date of submission of Bid).

Date.....

.....
Bank Corporate Seal of
the Bank By its
constitutional Attorney

Signature of duly Authorized person
On behalf of the Bank
With Seal & Signature code

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-G

PERFORMA CERTIFICATE

(No claim, No arbitration)

To,

Addl. General Manager (O & M - SLPP)
Gujarat Industries Power Company Limited,
Surat Lignite Power Plant,
Village: Nani Naroli, Ta. Mangrol,
Dist. Surat – 394110 (Gujarat)

Dear Sir,

Subject: _____

Ref: Work Order

No.: _____ Dated _____

We hereby confirm with free consent as under:-

1. The measurements certified in final bill is full and final. We accept all the certified measurements and no claim related to the measurement is left.
2. The payment certified in that or above referred Lol / contract is full and final. We accept this, and no claim related to payment is left.
3. The rates of the Lol / contract and its amendments are firm till completion of contract and extension period. We shall not claim any escalation against these rates.
4. Along with the contract referred, the ARBITRATION CLAUSE also perishes i.e. we will not resort to arbitration.
5. No extra items are left to be settled.
6. We do not have any claims against any item related to the Lol than those items certified in the bills.
7. We are accepting the recoveries or hold amount from our bills, if any, made by GIPCL against non compliance or as decided by GIPCL within terms & conditions of contract.
8. We have paid royalties, taxes for all the materials procured by us, for carrying out the works for above Lol and we indemnify GIPCL from any liability arising thereof.
9. In case of any disputes arising in future related to payment of royalties, all liabilities of settlement of dispute and its payment if any, will be borne by us.
10. We have paid wages to all the workmen who were deployed by us for carrying out above referred work as per prevailing Minimum wages act. We have also fulfilled all requirements of the P.F. Act. We have maintained all records necessary as per the statutory requirements. We hereby indemnify GIPCL from any disputes arising in future related to payment of labours, Provident Fund, etc.. and confirm that all liabilities of settlements of disputes and their payment is our responsibility.

The above confirmation will come into effect as soon as payment from final bill after due recoveries will be received by us.

For, M/S. _____

Signature, Stamp and date

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-H

MAINTENANCE JOB DETAIL

Item no: PD01 (COMPLETE SET OF CHAIN AND FLIGHT BAR REPLACEMENT /PAN ASSEMBLY OF APRON FEEDER REPLACEMENT) –

Activity includes 1) Shifting of material from warehouse to Location 2) loosening of chain / pan link assembly by take-up 3) removal of old flight bars and chains / pan link assembly 4) Laying and fixing of new chains and flight bars / pan link assembly 5) tightening of chain 6) trial run 7) shifting of old chain and flight bar / pan link assembly

Item no: PD04 (REPLACEMENT OF SPROCKET OF F/B) –

Activity includes 1) loosening of chain by take-up 2) removal of hood or return chassis 3) free the sprocket from chain 4) removal of split sprocket 5) fixing of new sprocket 6) Alignment 7) tightening of chain 8) trial run

Item no: PD06 (FEEDER BREAKER CHAIN LENGTH SHORTENING (ONE SET CONSISTS OF ALL 4 CHAINS) –

Activity includes 1) loosening of chain by take-up 2) Pulling of chain link 3) removal of chain link & flight bar if require 4) Shifting of flight bar if require 5)fixing of chain link connector 6) tightening of chain 7) trial run

Item no: PD09 (OIL SEAL REPLACEMENT OF FLUID COUPLING) –

Activity includes 1)removal of guard 2) removal of thruster break if require 3) Decouple of coupling 4) removal of Hub if require 5) removal of damaged oil seal 6) re-fixing of new oil seal 7) fixing of hub 8) couple of fluid coupling 9)thruster fixing if removed 10) trial run

Item no: PD10 (ALIGNMENT OF DRIVE (NO. OF COUPLE)-

Activity includes 1) Removal of guard 2) Decouple of coupling if require 3) removal of thruster break if require 4) Alignment of drive (by dial gauge /Laser kit) with associated activities 5) Any rectification in base hole and blue match if require 6) apply grease in coupling if require 7) Couple of coupling 8)Re-fixing of thruster break 9) Re-fixing of guard 10)Trial run

Item no: PD11 (THRUSTER BREAK REPLACEMENT)-

Activity includes 1) Removal of guard 2) removal of thruster break 3)fixing of thruster break with associated activities include cutting/welding if require 4) Re-fixing of guard 5)Trial run

Item no: PD12 (BEARING CLEARANCE CHECKING)-

Activity includes 1)Opening of bearing housing 2)Removal of old grease 3)Bearing clearance checking followed with clearance setting 4) Apply new grease 5) closing of bearing housing 6) Trial run

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Item no: PD14 & PD15 (ALL HAMMER REPLACEMENT / REVERSAL FOR PHASE-I SECONDARY CRUSHER / ALL HAMMER -ARM SET REPLACEMENT FOR ELHS/LIMESTONE CRUSHER.)–

Activity includes 1) shifting of material from warehouse to location 2) weighment of each hammer OR hammer & arm and its record 3) preparation of balancing chart in coordination with GIPCL engineer 4) Cutting /welding /grinding of hammer for weight balancing 5) Arrangement of hammer OR hammer & arm set according to the balancing chart 6) Removal/ opening of side and front covers 7) removal of old hammers with shafts 8) fixing of new hammers or hammer & arms set as per chart with new shaft if required 9) box up the crusher 10) gap adjustment 11) trial run

Item no: PD16 & PD17 & PD19 & PD65 (HAMMER /PRIMARY CRUSHER / COMPRESSOR/FAN/BLOWER /SCREEN : V- BELT REPLACEMENT)

- Activity includes 1) shifting of set of 'V' belt from warehouse to location 2) Removal of guard 3) Removal of old 'V' belt after loosening of drive table 4) fixing of new 'V' belt and tensioning up to recommended tension followed with alignment of 'V' pulley 4) Drive table bolts tightening 5) Fixing of guard 6) Trial run

Item no: PD18 (SPIKE BUILT UP/ HARD FACING FOR PRIMARY CRUSHER) –

Activity includes 1) Opening of crusher doors 2) spike-build up by applying three types of welding rods / hard facing up to height as per template followed with manual rotation of crusher drum ensuring free rotation 3) gouging / cutting of built up spike if require for free rotation 4) closing of crusher doors 5) Trial run

Item no: PD23 (PAN REPLACEMENT OF APRON FEEDER)–

Activity includes 1) loosening of take up 2) cutting of fixing bolt of pan 3) replacement of pan with mounting plate 4) tightening of take up 5) trial run

Item no: PD24 (CHAIN LINK AND PIN REPLACEMENT OF APRON FEEDER)–

Activity includes 1) loosening of take up 2) cutting of fixing bolt of pan 3) Removal of pan with mounting plate 4) replacement of damage pan link @ both end 5) fixing of pan link 6) fixing of mounting plate and pan 7) tightening of take up 8) trial run

Item no: PD26 (REPLACEMENT OF HYD.MOTOR)–

Activity includes 1) Removal of Guard 2.) Decouple of coupling 3) removal of hydraulic line connections 4) removal of Hydraulic motor 4) Removal of coupling 5) Refitting of coupling hub on hydraulic motor 5) fixing of hydraulic motor 6) couple of drive with greasing 7) fixing of all hydraulic line connections 7) charging of hydraulic motor 8) trial run 9) internal leakage checking of hydraulic motor

Item no: PD28 & PD 29 & PD38 (REPLACEMENT OF IDLER FRAME WITH ROLLER)–

Activity includes 1) lifting of conveyor belt if require 2) removal of old frame with roller 3) fixing of new frame 4) minor cutting / welding /gouging /bending of frame for proper fitting / fixing 4) fixing of roller/frame

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Item no: PD33- PROVIDING BELT FASTENER IN THE CONVEYOR BELT AFTER LONGITUDINAL CUT

Activity includes 1)Position of belt 2) providing belt fastener in the conveyor belt after longitudinal cut followed with applying sealing rubber

Item no: PD36 (SKIRT RUBBER REPLACEMENT WITH MOUNTING PLATE/ FIXING BOLTS FOLLOWED WITH RUBBER SHEET AT BOTTOM AND PLATE WASHER)-

Activity includes 1) Removal of old skirt rubber with locking washer, mounting plate and nut 2) cutting of old mounting bolts and back plate 3) welding of new back plate 4)marking of bolts at require height and distance 5) welding of bolts 6) fixing of skirt rubber with sealing rubber and locking it.

Item no: PD 39 & PD40 PD48 (NYLON-NYLON & STEEL CORD BELT LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE & PROPERLY STORED. <50MTR)

Activity includes 1) shifting and positioning of conveyor belt drum with its stand 2) clamping of belt after positioning 3) Lifting and locking of counter weigh box 4) removal of old conveyor belt after pulling at require position 5) laying of new belt (<50meter) & tensioning 6) removal of frame with rollers, deck plate, seal plate if requires 7)shifting of vulcanizing machine to and fro 8) assisting to jointer for belt joints 9) fixing of frame with rollers, deck plate, seal plate 10) removal of conveyor belt clamp 11) release of counter weight box 12) trial run 13)belt training 14)rolling and shifting of old belt. (Apply this schedule for belt replacement work <50 meter and without conveyor belt failure)

Item no: PD41 &PD49: (NYLON-NYLON & STEEL CORD BELT LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE & PROPERLY STORED. FOR EVERY MTR AFTER 50)-

Apply this schedule in case of Conveyer belt laying / replacement more than 50 meter.

Item no: PD42 &PD50: (NYLON-NYLON & STEEL CORD BELTJOINT REVIVAL WORK)-

Activity includes 1) clamping of belt after positioning 2) Lifting and locking of counter weigh box 3) removal of old joint conveyor belt after pulling 4)removal of frame with rollers, deck plate, seal plate if requires 5)shifting of vulcanizing machine to and fro 6) assisting to jointer for belt joints 7) fixing of frame with rollers, deck plate, seal plate 8) removal of conveyor belt clamp 9) release of counter weight box 10) trial run 11)belt training 12)rolling and shifting of old belt

Item no: PD43, PD44 & PD51 (PULLING & POSITIONING NYLON- NYLON /STEEL CORD BELT ENDS SEPARATED AFTER FAILURE OF JOINT OR SOME OTHER REASONS. –

Activity includes 1) Shifting and anchoring of winch machine 2) Lifting and locking of counter weigh box 3) pulling of snapped belt and positioning for joint after tensioning 4) clamping of belt 5) removal of frame, deck plate, seal plate 6) assisting to jointer for belt joints 7)shifting of vulcanizing machine to and fro 8)removal of clamp 9) fixing of frame, rollers ,deck plate, seal plate 10)release of counter weight box 11) trial run 12)belt training

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Note: if require to add conveyor belt piece then apply schedule no: 41 (for N-N Belt) OR 49 (for Steel cord belt) for actual lay additional belt & in that case for second joint apply schedule no: 45 (for N-N Belt) or schedule no: 52 (for Steel cord belt) .

Item no: PD45 & PD52 (NYLON-NYLON & STEEL CORD BELT JOINING AT GROUND)

Activity includes 1) Shifting and anchoring of winch machine 2) Looping of belt at ground 3) positioning of belt for joint 4) assisting to joiner 5) shifting of Vulcanizing machine to and fro 6) Covering arrangement for belt joining activity if required.

Item no: PD46 (NYLON-NYLON BELT (BELT FEEDERS) LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE AND COLD JOINT)-

Activity includes 1) Screw take up release 2) Removal of skirt board if requires 3) removal of old belt 4) shifting, laying and positioning of new belt 5) tensioning and clamping of belt 6) removal of frame, deck plate, seal plate, 7) assisting to joiner for belt joint (cold) 8) removal of clamp 9) fixing of skirt board, frame deck plate, seal plate 10) screw take up tightening 9) trial run 10) belt training

Item no: PD47 (NYLON-NYLON BELT (BELT FEEDERS) LAYING AFTER REMOVAL OF OLD BELT FROM STRUCTURE AND HOT JOINT)-

Activity includes 1) Screw take up release 2) Removal of skirt board if requires 3) removal of old belt 4) shifting, laying and positioning of new belt 5) tensioning and clamping of belt 6) removal of frame, deck plate, seal plate, 7) assisting to joiner for belt joint (hot) 8) 8) removal of clamp 9) fixing of skirt board, frame deck plate, seal plate 10) screw take up tightening 9) trial run 10) belt training

Item no: PD53 (HOT REPAIR OF CONVEYOR INCLUDING MACHINE SHIFTING(HEATER PLATE OF EITHER 500 OR 1500 MM SIZE)-

Activity includes 1) Shifting of patching machine to and fro 2) removal of frame, deck plate 3) splicing of belt 4) Installation of hot patch machine and heating cycle 5) removal of machine after cooling cycle 6) fixing of frame, roller, deck plate

Note: certification qty for use of 500mm size heating plate is 2.0 circumferential meter and 1500mm size heating plate is 3.8 circumferential meter

Item no: PD54 (HOT REPAIR OF CONVEYOR INCLUDING MACHINE, INSTALLATION, REMOVAL & SHIFTING (BY VULCANISING M/C)-

Activity includes 1) Shifting of Vulcanizing machine to and fro 2) removal of frame, deck plate 3) splicing of belt 4) Installation of vulcanizing machine and heating cycle 5) removal of machine after cooling cycle 6) fixing of frame, roller, deck plate.

Item no: PD55 (COLD PATCH OF SMALL CUTS AFTER PROPER SPLICING, JOINT REPAIR, TOP AND BOTTOM COVER ON LONGITUDINAL CUTS < 1 MTR PERIPHERY & ADDITIONAL QTY 1 NO. FOR EVERY 1 MTR CIRCUMFERENCES)

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Activity includes 1) splicing the belt 2) buffing the splice area of belt or opened belt joint end 3) apply cold solution and hardner 4) apply ply if requires 5) apply hammering over cold patch.

Item no: PD56 (PREPARATION & STORAGE OF BELT FROM OLD BELT)

Activity includes 1) shifting of old belts 2) laying of old belt 3) cutting of belt in require size 4) rolling and shifting of conveyor belt

Item no: PD57 (COUPLE & DECOUPLE OF DRIVES)

Activity includes 1) removal of coupling guards if require 2) decouple the drive 3) couple the drive with application of grease if require.

Item no: PD61 (REVIVAL OF SCOOP TYPE FLUID COUPLING)

Activity includes 1) Removal of coupling hub 2) opening of scoop coupling cover 3) replacement/rectification of bearing/seal / coupling internal parts if damaged 4) box up of coupling 4) fixing of coupling hub

Item no: PD62 & 63 (REVIVAL OF GEAR BOX LT /HT DRIVE)

Activity includes 1) Removal of cooling fan assembly 2) opening of gear box 3) replacement /rectification of bearing/seal / gearbox internal parts if damaged 4) backless setting and box up 5) fixing of cooling fan assembly 6) Trial run

Item no: PD65 (BELT SCRAPER REVIVAL INCLUDING REMOVAL, FIXING & ALIGNMENT AT LOCATION)

Activity includes 1) removal of scrapper 2) replacement of scrapping element 3) re-fixing and proper alignment of scrapper with respect to belt followed with opening sealing

Item no: PD66 (BELT SCRAPER FABRICATION, FIXING & ALIGNMENT AT LOCATION)

Activity includes 1) fabrication of scrapper 2) removal of old scrapper if available 3) provide proper support for fixing of scrapper 4) fixing and proper alignment of scrapper with respect to belt followed with opening sealing

Item no: PD67 (PLOUGH - PU STRIP REPLACEMENT/ADJUSTMENT)

Activity includes 1) removal/loosen of PU strip locking bolt by spanner/cutting/welding 2) adjustment / replacement of PU strip 3) re-fixing of PU strip bolt and trial

Item no. PD69 (MILL GRINDING BALL CHARGING.)

Activity includes 1) shifting of material from warehouse to location 2) Opening/closing of Mill inspection door 3) Removal of all size balls from Mill shell 4) Segregations and counting or weighment of all size ball 5) Charging of balls as required as per instruction of GIPCL engineer 6) shifting of scrap/damage balls from location to warehouse 7) trial run

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Item no: Screen PD75 (DUST SEALING OF LS VIBRATING SCREEN WITH CANVAS CLOTH OR FILTER CLOTH)

Activity includes 1) Opening of hood 2) Removal of side clamp along with bolts on both side 3) removal of holding bolt of screen deck 4) Shifting of new deck 5) Removal of old deck 6) Fixing of new deck 7) Refitting of all above 8) Trial run

Item No: PD79 (O/H OF COOLING TOWER)

Activity includes 1) checking and enlargement of fan blade 2) checking & setting of blade angle by angle protector (instrument in . II'CL scope) 3) replacement /adjustment of sprinkler pipe, sprinkler head and sprinkler tensioning device 4) cleaning of water basin 5) PVC/FRP eliminator adjustment /replacement 5) cleaning and replacement of damage PVC fills 6) repairing /replacement of inlet & out let water line & its valves 7) trial run.

Item No: PD 81, 82, 83 (O/H OF CONVEY AIR COMPRESSOR WITH AFTER COOLER / MILL COMPRESSOR/INST.AIR COMPRESSOR) (1HN2T 37)-CP, (T-BTD-LM)-KIRLOSKR, (8 X 7 NL)-IR, & 75 (1HX1T 18)-CP –

Activity includes 1) Servicing / Replacement of Defective Components of suction and Delivery valves. 2) checking & correction of Main Bearings, oil seal CR Bearings, Thrust Bearings, connecting Rod bushes and Gudgeon pins 3) Inspection of Piston Assembly and Replacement of L.P and H.P Piston Rings 4) All the clearance will be maintained within permissible limits. 5) Replacement of Oil 6) Cleaning/Replacement of oil & Air filters 7) adjustment and repairing of Outlet Air valves (Gate & NRV) 8) cleaning of water jacket 9) repairing /replacement of water line valve 10) After cooler leakage checking and arresting if any 11) Trial run. (If required Replacement to be done)

Item no: PD131 (Replacement of Sump Pump/Submersible pump)

Activity includes 1) shifting of pump 2) decouple of drive 3) removal of line connections 4) removal of pump from pit 5) removal of coupling hub 6) fixing of coupling hub on new pump 7) fixing of pump to pit 8) connection of line 9) couple of drive 10) trail run 11) shifting of old pump

Item no: PD132 (Overhauling of Sump Pump/Submersible pump)

Activity includes 1) removal of coupling hub 2) dismantling pump 3) identify damage parts and issue from warehouse 4) cleaning all part of pump 5) assemble pump 6) fitting coupling hub

Item no: PD133 (SERVICING OF ELECTRIC HOIST & WINCH MACH AT LOCATION)

Activity includes 1) check drive coupling bolt and replace if require 2) check oil level & quality of gearbox and top up or replace oil if require 3) reset wire rope if twisted 4) check condition of wire rope and apply grease / cardium compound 5) free hook if jammed 6) positioned the wire rope by welding locking / guide plate if require 7) check tightness of

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base bolt of motor ,gearbox and hoist other parts 8) box up gearbox 9) check freeness of wheels and make free if requires 10) attend oil leakage from gearbox cover if any 10) trial run

Item no: PD142 (ALIGNMENT CHECKING BY DIAL /LASER METHOD)

Activity includes 1) removal of guard if requires 2) de-couple of drive 3) checking of alignment 4) couple of drive with application of grease if requires 5) re-fitting of guard

Item no: PD144 (PAN LINK LENGTH SHORTENING)

Activity includes 1) loosening of pan link by take-up 2) Pulling of pan link 3) removal of pan link with pan 4) fixing of pan link connector & pan 5) tightening of pan link 6) trial run

Item no: PD146 (PAINTING OF CORRODED STRUCTURE WHILE REPAIRING)

Activity includes supply and apply of 1) One coat primer 40 micron DFT & 2) Two coat of synthetic enamel paint 30 micron DFT each after surface preparation.

BREAKDOWN JOBS:

Item no: BD01 &BD02 (REPLACEMENT OF GEAR BOX LT / HT DRIVE)

Activity includes 1) shifting of new gearbox from ware house or other place to location 2) De-couple of drive & removal of fluid coupling if require 3) removal of thruster break if require 4)removal of old gearbox from location and shifting 5) fixing of new gearbox 5) re-fixing of thruster break 6)replacement of resilient member if any 7) couple of drive with application of grease if require 8) fill up the oil at proper level 9) removal & re-fixing of guard

Item no: BD04 (SLEW DRIVE TOP BEVEL G/B SERVICING OR REPLACEMENT)

Activity includes 1) decouple of drive 2) removal of coupling hub 3) dismantling gearbox 4) replacement of internal damage parts 5) assembly of gearbox 6) fixing of coupling hub 7) replacement of resilient member if any 8) couple of drive 9) fill up the oil at proper level.

Item no: BD05 (SLEW CLUTCH REPLACEMENT OF SLEW DRIVE.)

Activity includes 1) decouple of drive/clutch & Thruster break removal if require 2) replacement of clutch 3) fixing of coupling hub 4) replacement of resilient member if any 5) couple of drive 6) alignment by shim / dial if require 7) fill up the oil at proper level 8) thruster break fixing if removed 9) Trial run

Item No: BD06 (SHIFTING OF BOOM CONVEYOR TAIL PULLEY AT ALTERNATE BASE WITHIN 500MM FROM ORIGINAL BASE)

Activity includes 1) loosening the conveyor belt 2) cutting the tail pulley bolt and shifting the tail pulley 3) fixing the tail pulley 4) tensioning the conveyor belt 5) trail run 6) belt training if require

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Item no: BD08 (PREPARATION, REMOVAL, INSTALLATION OF IMPACT PADS.)

Activity includes : 1) shifting of material from warehouse 2) fixing of impact cushion pad with /without channel on mounting bracket / plate 3) removal of old impact pad with beam and bracket 4) fixing of beam and bracket (new or old as per condition) with impact pad at proper position 5) trial run

Item no: BD09 (GEAR BOX BEARING REPLACEMENT AND / OR GEAR REPLACEMENT (ONSITE BY OPENING TOP COVER)

Activity includes: 1) remove coupling guard 2) decouple drives 3) remove all input accessories (coupling hub, fan, break drum, thruster break etc..) 4) remove top cover of gearbox 5) replace the damage bearing and / or gear with or without oil seal if require 6) re-fix all input accessories 7) re-fix the top cover of gearbox & adjust backlash if require 8) couple the drive 9) re-fix the coupling guard 10) trial run

Item no: BD10 &BD12 REPLACEMENT OF PULLEY ALONG WITH BEARING AND PLUMMER BLOCK AND LEVELLING & FREENESS (UP TO SHAFT DIA 100 / OR MORE THAN 100 MM AT BEARING)

Activity includes: 1) shifting of pulley 2) Clamping of belt 2) Lifting and locking of counter weigh box with chain block 3) Removal of guard if require 4) pulling and positioning of belt 5) Removal of pulley from conveyor 6) fixing of new pulley with bearing and Plummer block 7) pulley leveling & freeness work 8) Clamp removal and release of take up 9) fixing of guard 10) trial run 11) Belt training if requires

Item no: BD11 (REPLACEMENT OF HEAD PULLEY ALONG WITH BEARING AND PLUMMER BLOCK AND LEVELLING & FREENESS)

Activity includes: 1) shifting of pulley 2) Clamping of belt 2) Lifting and locking of counter weigh box with chain block 3) Removal of hood 4) pulling and positioning of belt 5) decouple of pulley 6) Removal of pulley from conveyor 7)fixing of new pulley with bearing and Plummer block 8) pulley leveling & freeness work 9) re-fixing of hood 10) Clamp removal and release of take up 10) trial run 11) belt training if requires

Item no: BD13 &BD14 (REPLACEMENT OF BEARING AND / OR PLUMMER BLOCK (UPTO BEARING I.D 100MM OR MORE THAN 100MM)

Activity includes: 1) opening of Plummer block top cover 2) lifting of pulley 3) replacement of bearing with or without Plummer block 4) fixing of pulley 5) box up Plummer block with application of grease to bearing 6) freeness pulley if Plummer block replaced

Item no: BD17 (V-BELT PULLEY CHANGING / OR CARDON SHAFT CHANAGING (ANY EQUIPMENT))

Activity includes: 1) Remove guard 2) remove v belt if require 3) replace pulley / cardon shaft with puller/jack with cutting set if require 4) re-fix v belt 5) align pulley with line dory if require) re-fixing of guard

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Item no: BD20 (ROLL SHAFT BEARING REPLACEMENT)

Activity includes: 1) decouple coupling 2) remove geared motor 3) remove roll shaft coupling half 4) remove labyrinth cover 5) Open bearing block top half cover (one block include 3 bearings) 6) Replace damaged bearings 7) Re-fixing of bearing block top half cover 8) re-fit labyrinth cover 9) re-fix roll shaft coupling half 10) re-fix and couple geared motor with alignment

Item no: BD21 (COMPLETE ROLL SHAFT ASSEMBLY REPAIRING / REPLACEMENT)

Activity includes: 1) decouple coupling 2) remove geared motor 3) remove roll shaft coupling half 4) remove labyrinth cover 5) remove top and side body cover 6) Open bearing block top half cover (one block include 3 bearings) 7) remove old roll shaft 8) repair old roll shaft or fix new roll shaft with bearing 9) Re-fixing of bearing block top half cover 9) re-fit top and side body cover 10) re-fit labyrinth cover 11) re-fix roll shaft coupling half 10) re-fix and couple geared motor with alignment.

Item no: BD23 (REPLACEMENT OF PIPE AND ITS ACCESSORIES FOR WATER AND AIR /CONVETING APPLICATION)

Activity includes:1) shifting of new pipe and its accessories from warehouse 2) removal of old damage pipe with its accessories 3) preparation of new pipe and its accessories like vales, flange, bend, nipple by threading/welding. 4) fixing of prepared pipe. 5) Trial and rectification if required.

Note: Pipe for dust sweeping/cleaning chute – Fabrication related schedule will be applicable.

Item no: BD 28&29&30 (FABRICATION, REMOVAL, ERECTION ,REERECTION OF TECHNOLOGICAL OR STRUCTURAL STRUCTURE)

Activity includes- 1) shifting of material 2) fabrication as per requirement 3) painting -01 coat of red oxide and 02 coat enamel paint) 4) removal of old structural or tech. structural parts after scaffolding if require 5) erection of fabricated material 6) re-erection of other tech. structural or structural parts if removed for erection 7) shifting of removed tech. or structural member

Note: For quantity certification total weight of all jobs within same gallery / house executed **on same day** is to be considered for appropriate schedule.

Item no: BD31 (HAND RAILING FABRICATION & REPLACEMENT WITH TOE GUARD)

Activity includes: 1) removal of old hand rail with toe guard 2) fixing of new hand rail with toe guard. Service includes removal, fabrication and erection of hand rail (pipe size-32 /40 NB) with toe guard. Hand rail certified in running meter panel. Panel describe as 1.2 meter post height at 1.5 meter distance with top and middle rail with toe guard. Size -100mmx6mm thk plate with 01 coat primer with 01 coat enamel paint.

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Note: BD31 is to be considered for new hand railing only. For any repair/minor rectification in existing handrail BD-28/29/30 is to be considered as per weight.

Item no: BD32 (INITIAL WELDING (IN SITU) UPTO 1 METER (IF MOBILIZE SEPERATELY FOR JOB))

Activity includes 1) mobilization and De-mobilization of welding equipments 2) Purely welding work without adding material up to welding of 01 meter length. For welding length more than 1 meter apply **schedule no: BD33** in additional welding length.

Note: If any welding work require anywhere within house during same day for any other job, welding work certified as per schedule BD-33.

Item no: BD34 (INITIAL GAS CUTTING (IN SITU)UPTO 1 METER (IF MOBILIZE SEPERATELY FOR JOB))

Activity includes 1) mobilization and De-mobilization of Cutting set equipments 2) Purely cutting work without removal of material up to 01 meter length. For cutting more than 1 meter apply **schedule no: BD35** in additional cutting length.

Note: If any cutting work require anywhere within house during same day for any other job, cutting work certified as per schedule BD-35.

Item no: BD37 (DUST SEALING WITH CANVAS CLOTH OR WITH THIN RUBBER SHEET)

Activity includes 1) removal of old dust sealing rubber or cloth 2) cutting of holding bolt if require 3) welding of bolt if requires 4) fixing of new sealing rubber or cloth

Item no: BD38& BD39 (OIL SEAL AND / OR FAN ASSEMBLY CHANGING FOR GEAR BOX ON SITE FOR LT DRIVE / OR HT MOTOR

Activity includes 1) removal of guard 2) removal of thruster break if require 3) decouple & removal of fluid coupling If require 4) removal of gearbox if require 5)replacement of oil seal and / or fan assembly 6) re fixing of gearbox 7) couple of coupling & thruster break fixing 8) fixing of guard

Item no: BD41 (TAKE UP LIFTING - BEARING CHECKING, BELT TRAINING, PULLEY LAGGING OR ANY OTHER WORK)

Activity includes 1) clamping of belt 2) lifting and locking of take up counter weight box 3) pulling and positioning of belt if require 4) cutting/welding of guide if required 5) release of take up counter weight box after completion of work 6) removal of clamp

Item no: BD44 (GEARBOX REPLACEMENT FOLLWED WITH ALIGNMENT FOR PCRD/CCRD)

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Activity includes 1) loosening of chain 2) removal of motor & gearbox 3) removal of sprocket & coupling hub 4) fixing of new sprocket & coupling hub 5) re-fixing of gearbox & motor 6) fixing of chain 7) alignment of sprocket 8) tightening of chain 9) gearbox to motor alignment 10) couple motor and gearbox 11) Trial run

Item no: BD47 (CHECKING OF EQUIPMENT/SUB EQUIPMENT FOR INTERNAL DEFECT)

Activity includes 1) opening of Inspection cover/door 2) checking of equipment/sub equipment for internal defect 2) closing of Inspection cover/door with proper sealing

Item no: BD49 (JACK SHAFT BEARING REPLACEMENT)

Activity includes 1) removal of guard 2) loosening & removal of v belt 3) decouple of jack shaft coupling 4) opening of Plummer block 5) removal of jack shaft 6) replace damage bearing(Drive and / or Non-Drive side) 7) re-fix jackshaft 8) grease and box up the Plummer block 9) re-fix & tightening of v belt with pulley alignment 10) couple of jack shaft coupling 11) re-fix the guard 12) trial run

Item no: BD50 (ROTOR BEARING REPLACEMENT OF CRUHSER)

Activity includes 1) removal of guard 2) loosening of v belt 3) removal of v belt & its pulley 4) removal of side cover of crusher body if required with associated work 5) opening of Plummer block 6) lifting & locking of crusher rotor 7) replace damage bearing and sleeve 8) re-fix crusher rotor 9) grease and box up the Plummer block 10) refixing of side cover of crusher body if required with associated work 11) re-fix v belt & its pulley 12) tightening of v belt with alignment 13) re-fix the guard 14) trial run

Item no: BD51 (SHEAR PIN CHANGING)

Activity includes 1) removal of guard if require 2) locking of crusher roll 3) repositioning of v belt pulley 4) removal of damaged shear pin 5) fixing & locking of new shear pin 6) free the lock crusher roll 7) re-fix the guard if removed 8) trail run

Item no: BD52 (RESETTING OF TWISTED V-BELT SET FOLLOWED WITH TENSIONING & ALIGNMENT AND TIGHTENING)

Activity includes 1) guard removal if require 2) loosening drive base 3) resetting of v belt 4) tensioning of v belt followed with alignment 5) tightening drive base 6) fixing of guard

Item no: BD53 (REPLACEMENT OF CONSTANT FILLTYPE FLUID COUPLING (FOR LT DRIVE)

Activity includes 1) shifting of fluid coupling 2) guard removal if require 3) decouple of coupling & Thruster break removal if require 4) replacement of fluid coupling 5) couple of new fluid coupling & thruster break fixing if removed 6) filling of oil 7) fixing of guard 8) trial run

Item no: BD54 (REPLACEMENT OF CONSTANT FILLTYPE FLUID COUPLING FOLLOWED WITH ALIGNMENT (FOR LT / or HT DRIVE)

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Activity includes 1) shifting of scoop coupling 2) guard removal if require 3)decouple of coupling, Thruster break & actuator removal if require 4) replacement of scoop coupling 5) couple of new coupling & thruster break fixing if removed 6) Scoop tube and actuator fixing 7) fixing of guard 8) trial run

Item no: BD57 (PUMP OVERHAULING)

Activity includes 1) removal of coupling hub 2) dismantling the pump 3) replace all damage parts 4) assembled pump 5) re-fix coupling hub

Item no: BD65 (HYD CYLINDER CHANGING PISTON DIA LESS THEN 100 MM)

Activity includes 1) shifting of new hydraulic cylinder 2)removal of hydraulic line connections 3) replace hydraulic cylinder 4) charge the cylinder 5) connect the hydraulic line connection

Item no: BD73 (PRE FABRICATED TAKE UP COUNTER WT BOX REPLACEMENT)

Activity includes 1) Shifting and positioning of winch machine /chain blocks, bottom supporting beams / structures 2) locking of belt with belt clamps 3) lifting of counter wt box 4) resting of counter wt box on bottom supporting beams / structures 5) removal of pulley with bearing & its housing 6) removal of old counter weight box with weight and lowering to ground floor 7)position of new counter weight box on bottom supporting beams / structures 8)Alignment & welding of tie C- frame with new box 9) fixing of Pulley with bearing & its housing 10) alignment & freeness of pulley 11) removal of counter weight from old box and position of all Weights in new box 12) belt clamp removal &release of counter weight box 13) trial run 14) belt training

Item no: BD74 (TAKE UP GUIDE PIPE REPLACEMENT)

Activity includes 1) shifting of take up pipe to location and jointing at ground as per available space / convenience for erection 2) lifting and locking of take up counter box if require 3)removal of old take up pipe 4) erection and alignment of take up pipe 5) side supporting of pipe 6) trial run & belt training by ply fixing or providing packing plate and guide.

Item no: BD75 (REPLACEMENT OF TAKE UP 'C' FRAME (PRE FABRICATED))

Activity includes 1) Shifting and positioning of winch machine /chain blocks, bottom supporting beams / structures 2) locking of belt with belt clamps 3) lifting of counter wt box 4) resting of counter wt box on bottom supporting beams / structures by water level 5) removal of pulley with bearing &its housings 6) removal of c frame 7) Alignment & welding of tie new C- frame with existing box 8) Pulley fixing ,alignment & freeness 9) belt clamp removal & release of counter weight box 10) trial run 11) belt training

Item no: BD76 (TAIL FRAME REPLACEMENT OF CONVEYOR (PRE FABRICATED))

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Activity includes 1) Shifting and positioning of winch machine /chain blocks, Frame structure 2) locking of belt with belt clamp 3) lifting of counter wt box 4) belt loosening by pulling for freeing tail pulley structure 5) removal / lifting of pulley with bearing & its housings 6) replacement of old tail frame with new one 7) water leveling of tail frame if require 8) tail pulley with bearing & its housing fixing, alignment & freeness 9) belt clamp removal & release of counter weight box 10) trial run 11) belt training

Item no: BD77 (HEAD FRAME REPLACEMENT OF CONVEYOR(PRE FABRICATED))

Activity includes 1) Shifting and positioning of winch machine /chain blocks, Frame structure 2) locking of belt with belt clamps 3) lifting of counter wt box 4) removal of hood over head pulley 5) belt loosening by pulling for freeing head pulley structure 6) removal / lifting of pulley with bearing & its housings 7) replacement of old Head frame with new one 8) water leveling of head frame 9) Head pulley fixing, drive alignment & freeness 10) fixing of hood 11) belt clamp removal & release of counter weight box 12) trial run 13) belt training

Item no: BD78 (TAIL FRAME REPLACEMENT OF FEEDER (PRE FABRICATED))

Activity includes 1) Shifting chain blocks, Frame structure 2) Releasing screw take-up 3) belt loosening by pulling for freeing tail pulley structure 4) removal / lifting of pulley with bearing & its housings 5) replacement of old tail frame with new one 6) tail pulley fixing, alignment & freeness 7) tightening of screw take-up 8) trial run 9) belt training.

Item no: BD79 (HEAD FRAME REPLACEMENT OF FEEDER (PRE FABRICATED))

Activity includes 1) Shifting chain blocks, Frame structure 2) Releasing screw take-up 4) removal of hood over head pulley 5) belt loosening by pulling for freeing head pulley structure 6) removal/ lifting of head pulley 7) replacement of old Head frame with new one 8) water leveling of head frame 9) Head pulley fixing, alignment & freeness 10) fixing of hood 8) tightening of screw take-up 10) trial run 11) belt training

Item no: BD87 (REPLACEMENT OF BREAKER ASSEMBLY OF SECONDARY CRUSHER_

Activity includes 1) Shifting of breaker assembly to the location by hydra (wt approx 4-5 Mt) 2) old Body bolt opening 3) opening of breaker assembly by chain block 4) removal of hinge pin 5) removal of breaker assly 6) lowering of breaker assly to the ground (15 mtr approx) by hoist or Trolley chain block set 7) lifting (approx 15 Mtr) and position of new breaker assly 8) hinge pin fixing 9) closing of door 10) mounting bolt setting and tightening 11) sealing of crusher body opening if require 12) Trial run & gap Adjustment

Item no: BD89 (LINER REPLACEMENT OF CRUSHER)

Activity includes 1) shifting of new liner 2) remove damage liner 3) fix new liner 4) welding the new liner if require.

Note: Door opening/closing will be certified separately as per BD-

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Item no: BD90 (HAMMER- ARM SET REPLACEMENT WITH SHAFT OF CRUSHER (PER ROW))

Activity includes 1) Opening of door 2) Inspection of damage arm-hammer 3) remove side end plate 4) removal of damaged Head-Arm set with rotor bolt 4) preparation of assembly of arm & head (new or recover from old assembly) 5) fixing of assembly and rotor bolt if required & locking of rotor bolt 6) re-fix the end plate 7) closing of door 8) trial run & gap adjustment

Note: any no of hammer arm set replace in single row consider as 01 No.

Item no: BD91(HAMMER HEAD REPLACEMENT OF CRUSHER)

Activity includes 1) Opening of door 2) Inspection of hammer head for damage or missing 3) replacement of damaged head / fixing of new head at missing place & locking 4) closing of door 5) trial run & gap adjustment

Note: any no of hammer head replace in single row consider as 01 No.

Item no: BD92 (RAIL ALIGNMENT WORK INCLUDING PROVIDING SUPPORTS)

Activity includes 1) removal of damage rail clit 2) gousing of rust from base plate & below from rail 3) checking alignment of rail 4) aligning rail if require 5) welding/bolting of rail locking clit on base plate 6) welding/builtup of base plate bolts 7) welding of covering cap on bolt

Item no: BD93 (RE-TIGHTENING OF V BELT)

Activity includes 1) guard removal if require 2) loosening drive base bolt 3) retightening of v belt followed with alignment 4) tightening drive base bolt 6) fixing of guard

Item no: BD95 (SCOOP TUBE ASSEMBLY/ SCOOP TUBE SEAL REPLACEMENT OF SCOOP COUPLING INCLUDING ALIGNMENT)

Activity includes 1) decouple scoop tube by removing lever 2) remove scoop tube 3) replace scoop tube with bush and seal 4) refit the scoop tube 5) couple scoop tube with lever 6) align the scoop tube with lever and actuator and limit setting 7) trial run

Item no: BD97 (PRIMARY CRUSHER FLYWHEEL/ BUSH REPLACEMENT)

Activity includes 1) remove the guard 2) remove v belt 3) remove v belt fly wheel 4) replace damage flywheel /bush 5) refix v belt fly wheel 6) re fix v belt 7) alignment of v belt 8) re-fix guard 9)trial run

Item no: BD99 (ASSISTING WITH JOINTER FOR PULLEY LAGGING OF CONVEYOR)

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Activity includes 1) removal of frame and roller 2) removal of hood / guard 3) pulling & positioning of v belt & clamping 3) assisting to jointer for lagging work 4) re-fixing of hood/ guard 5) re-fixing of frame and roller

Item no: BD100 (FIXING OF ANY ELECTRICAL OR C&I ANY EQUIPMENT (SWITCH/ PANEL ETC))

Activity includes cutting and welding of supports for fixing electrical or c&i equipment. For work carried out in a day will count as a one instance for any no. of fixtures provided in a same day.

Item no: BD102 (REPLACEMENT / SERVICING OF LUB OIL PUMP OF SCOOP COUPLING OR ANY LUBRICATION SYSTEM)

Activity includes 1) Decouple of end connections 2) Removal of motor / pump if require 3) removal of coupling half 4) replacement of oil seal if require 5) re-fixing of coupling half 6) fixing of motor / pump followed with alignment 7) fixing of end connection 8) Trial run

Item no: BD104 (RERAILMENT OF TAKEUP TROLLEY)

Activity includes 1)Clamping of conveyor belt 2) lifting and locking of take up counter box 3) repositioning of trolley 4) Rail alignment if require 5) wire rope resetting on sieve pulley if required 6) Release of counter box 7) removal of clamp & trial

Item no: BD105 (FREENESS OF TRAVEL WHEEL OF ANY TROLLEY/ TIPPER)

Activity includes 1) Clamping of conveyor belt 2) Trolley lifting and locking 3)freeness of trolley wheels 4) removal of clamp & trial

Note: schedule -BD41 is to be certify if take up lifting require.

Item No: BD107 (Ls Screen: Deck Plate Support Structure Revival Work)

Activity includes 1) Opening of Top Door. 2) Identification of damage live frame structure part 3) removal of deck & its holding plates(bolted) 4) preparation of temporary working platform 5) replacement of all damaged frame structure (on site fitment adjustment is to be done that include cutting & welding) 6) removal of platform 7) fixing of deck and its holding plates 8) torque tightening of all the fasteners 9) closing of door 10) trial run (fabrication of angle clit is to be done if required).

Item no: BD122 (CONVEYOR BELT FOLD REMOVAL/BELT TRAIN- WITH TAKE UP LIFTING)

Activity includes 1) Clamping of conveyor belt 2) lifting and locking of take up counter box 3) removal of conveyor belt fold 4) take up adjustment by welding /rectification in guide 5)Release of counter box 6) removal of clamp & trial

Item no: BD124 (SKIRT BOARD REPOSITIONING WORK)

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Activity includes 1) Holding of disturbed skirt board 2) removal of hood plate and back plate 3) removal of skirt sealing arrangement 4) cutting of F support / skirt board flange bolt 5) repositioning of skirt board 6) F support welding and skirt sealing work 3) Re-fixing of hood plate and back plate

Item no: BD125 (JACK SHAFT REPLACEMENT WORK)

Activity includes 1) shifting of jack shaft to location 2) removal of guard 2) loosening & removal of v belt 3) opening of Plummer block 4) removal of jack shaft 5) replace both bearing & plumber block if require 6) remove coupling hub from old one & re-fix on new jack shaft 7) re-fix jackshaft with bearings 8) grease and box up the Plummer block 8) re-fix & tightening of v belt with pulley alignment 9) re-fix the guard 10) couple the coupling 11) trial run

Item no: BD126 (APRON FEEDER: RETURN/ DECK ROLLER REFURBISHMENT)

Activity includes 1) Dismantling of roller 2) welding of roller body @ wear portion 3) assembly of roller after replacement of damage parts

Item no: BD127 (CRUSHER ROTOR V BELT PULLEY REPLACEMENT WORK)

Activity includes 1)removal of guard 2) loosening & removal of v belt 3) locking of crusher rotor 4) removal of v groove pulley 5) fix new v groove pulley 6) remove locking of crusher rotor 7) Re-fixing of v belt and tightening followed with alignment 8) re-fixing of guard 9) trial run

Item no: BD128 (TRAP FOREIGN MATERIAL REMOVE FROM CONVEYOR)

Activity includes 1) removal of guard if require 2) remove trap material 3) re-fix the guard if removed

Item no: BD129 (APRON FEEDER / ELHS S/R: HYDRAULIC SYSTEM PUMP REPLACEMENT WORK)

Activity includes 1) Removal of door of power pack if require 2) remove all hydraulic line connection 3) remove pump 4) remove coupling from pump 5) re-fix coupling on new pump 6) fix the pump 7) connect all hydraulic line connection 8) charge pump if require 9) re-fix door on power pack if removed 10) trial run

Item no: BD131 (SCOOP TUBE LEVER REPLACEMENT WITH MISC.WORK)

Activity includes 1) decouple damage scoop tube lever 2) replace new scoop tube lever 3) alignment of lever with scoop tube and actuator 4) couple the scoop tube lever 5) adjust scoop tube stroke and limit switch 6) Trial run

Item no: BD132 (CHECKING AND ALIGNMENT OF DRIVE BY SHIM METHOD OR LINE DORI METHOD)

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Activity includes 1) Removal of guard 2) Decouple of coupling if require 3) check & make the alignment of coupling with associated activities 4) Any rectification in base hole and blue match if require 5) apply grease in coupling if require 6) Couple of coupling 7) Re-fixing of guard 8) Trial run

L/s Screen: Deck Plate Support Structure Revival Work **BD107** - Activity includes 1) Opening of Top Door. 2) Identification of damage live frame structure part 3) removal of deck & its holding plates(bolted) 4) preparation of temporary working platform 5) replacement of all damaged frame structure (on site fitment adjustment is to be done that include cutting & welding) 6) removal of platform 7) fixing of deck and its holding plates 8) torque tightening of all the fasteners 9) closing of door 10) trial run (fabrication of angle clip is to be done if required).

O/H of cooling tower (PCFR 1717)-Paltech **PD77** - Activity includes 1) checking and replacement of fan blade 2) checking & setting of blade angle by angle protector (instrument in GIPCL scope) 3) replacement /adjustment of sprinkler pipe, sprinkler head and sprinkler tensioning device 4) cleaning of water basin 5) PVC/FRP eliminator adjustment /replacement 5) cleaning and replacement of damage PVC fills 6) repairing /replacement of inlet & out let water line & its valves 7) trial run.

O/H of compressor with after cooler **PD 79, 80, 81** (1HN2T 37)-CP, (T-BTD-LM)-KIRLOSKR, (8 X 7 NL)-IR, & 75 (1HX1T 18)-CP - Activity includes 1) Servicing / Replacement of Defective Components of suction and Delivery valves. 2) checking & correction of Main Bearings, oil seal CR Bearings, Thrust Bearings, connecting Rod bushes and Gudgeon pins 3) Inspection of Piston Assembly and Replacement of L.P and H.P Piston Rings 4) All the clearance will be maintained within permissible limits. 5) Replacement of Oil 6) Cleaning/Replacement of oil & Air filters 7) adjustment and repairing of Outlet Air valves (Gate & NRV) 8) cleaning of water jacket 9) repairing /replacement of water line valve 10) After cooler leakage checking and arresting if any 11) Trial run. (If required Replacement to be done)

OTHER GENERAL TERMS AND CONDITIONS:-

All H & M jobs include to and fro shifting of spares/assembly/consumables/steel material from ware house /workshops to any location as well as shifting of scrape from work location to specific location shown by GIPCL officials within battery limit of contract.

Any misc. / minor activity which needs immediate attention is to be carried out free of cost by shift maintenance team as per instruction from GIPCL officials. i.e.: opening/tightening of bolts, strip cutting of belt etc....

Above quantity is tentative and may vary ± 20 % of mentioned in billing breakup. Minor repairing and replacement includes all types of guard, canopy, steel structure etc...

2 nos. Utility vehicles are to be kept for operation and maintenance activity as per tender guideline. Only utility vehicle is allowed equivalent to Mahindra Bolero Maxi truck, TATA 207 DI RX PICK UP etc are allowed having more than 60 HP power. Vehicle should not be older than four years during entire contract period.

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-I

STANDARD JOB EXECUTION TIME FOR THE MAJOR MECHANICAL JOBS

Sr. No.	Equipment	Work /Job	Time duration
1	Feeder breaker chain	Complete chain & flight bar replacement	4 Days
2	Steel cord belt	Revival of snapped steel cord belt	2 Days
3	Nylon belt	Revival of snapped nylon belt	1 Days
4	Pulleys	Replacement of any pulley bearing	1 Days
5	Alignment	HT drive alignment	1 Day
6	Alignment	LT drive alignment	12 Hrs.
7	Hammer mill Phase-I	Hammer replacement / Reversal	4 Days
8	Hammer mill Phase-II	Hammer replacement	6 Days
9	Any PM	As per check list	Within 8 -10 HRs.
10	Overhauling at workshop	Overhauling of Fluid coupling, gear box, pumps etc at work shop	2-3 Days
11	Conveyor	Skirt board revival/replacement	2 Days
12	Belt feeders	Belt replacement	2 Days
13	Conveyors/crushers	Onsite revival of gear box/couplings.	1-2 Days
14	Welding /cutting	Chute repair, liner cutting	8-12 Hrs.

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-J

PACKAGE- A

LIST OF TOOLS AND TACKLES & CONSUMABLES for H &M (J-1)

SR.NO	DESCRIPTION	QUANTITY
1	400 Amp. Welding Rectifier / welding Generator	03 No.
2	400 Amp. Welding Transformer & Plasma machine	07 Nos.
3	Cutting Torch with hose and Regulator having hose length minimum 25 Meter	07 Sets.
4	Welding cable 30 Meter length with holder	07 nos.
5	Earthing cable	07 nos.
6	Supply cable single phase & 3 phase having 30 Meter Length	07 Nos. Each
7	Piano wire – 100 Mtr.	01 Lot.
8	Water Level – 8MM Dia, 50Mtr. Lg.	02 Nos.
9	Steel Tape – 3 Mtr.	10
10	Steel Tape – 30 Mtr.	2
11	D/E Spanner. Complete Set	12 Sets
12	Ring Spanner. Complete Set.	12 Sets
13	Box spanner. Complete Set	04 Sets
14	S/E Spanner – 40,42,46, 52 MM.	02 Each.
15	Wire rope pulley for 10 MT, (Single)	5
16	Wire rope pulley for more than 10MT, (Double)	2
17	Allen key Complete set 4 mm to 50 mm	3
18	Plumbs	02 No.
19	Angle Grinding M/C. (AG – 7)	04 Nos.
20	Straight Grinding M/C. (GQ-4)	04 Nos.
21	Hole Punch	04 Nos.
22	Pipe Wrench (Small, Big)	12 Nos.
23	Adjustable Spanner	15 Nos.
24	Bearing Puller.	02 No.
25	Out side Micro Meter (0 – 100)	1
26	Vernier caliper - up to 300MM.	01 No.
27	D- Shackle (1MT, 2MT, 3MT, 05MT,10 MT. Capacity.)	03 Each.
28	Wire Rope Sling capacity 5 MT & Length 750 mm, 1 Mtr & 1.5 Mtr	04 Each.
29	Wire Rope Sling capacity 10 MT & Length 750 mm, 1 Mtr & 1.5 Mtr	04 Each.
30	Mechanical Jack 5MT	02 Each.
31	Hydraulic Jack With Pump. 50MT, with Pump (Stroke 20 - 30 MM, Total Height – 90 mm).	1 no.

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

32	Hydraulic Jack With Pump. 100MT, with Pump (Stroke 50 – 100 MM, Total height – 170 mm).	2 no.
33	Bench vice	01No.
34	Sprit Level	02 Nos.
35	Screw Driver Full Set	05 Nos.
36	Dial Gauge 0 to 10 mm(Standard Size)	03 Nos.
37	Dial Gauge 0 to 5 mm(Standard Size)	01 No.
38	Filler Gauge	04 Nos.
39	Grease Gun (1-kg cap.)	01 no.
40	Grease Gun (5-kg cap.)	3 no.
41	Grease Gun. 10 kg. Capacity.	3 no.
42	Hammer (4LB, 20 LB)	16 Each.
43	Turn Buckle	1 set
44	Manila Rope (Each 50 Mtr. Long)	5 Bundles
45	Chain Pulley (1 MT) Capacity.	06 Nos..
46	Chain Pulley (2 MT) Capacity.	04 Nos.
47	Chain Pulley (3 MT) Capacity.	03 Nos.
48	Chain Pulley (5 MT & 10 MT) Capacity having lift more than 30 Mtr	06 Nos.
49	Hack Shaw frame with blade	5 Nos.
50	Shim Cutter	02 Nos.
51	Cutting Pliers	06 Nos.
52	Knife for belt cutting / splicing	10 nos.
53	Hand Lamp / Flood light	05 Nos.
54	Hand pump for lubracating oil	03 Nos.
55	Vulcanizing Tool	02 Set.
56	Torque Wrench (500 LB Cap)	1 no.
57	Torque Wrench (1000 LB Cap)	1 no.
58	Scaffolding material	1 set
59	Hot blower	2 No.
60	Chisels	8 No.
61	Circlip plier (Inner & Outer)	2 Set
62	Torch(Large size)	10 Nos.
63	Line Testers	15 Nos.
64	portable ladder single stage	2 Nos.
65	Portable ladder two stage	2 Nos.
66	Tool bags	15 Nos.
67	Thermometer	3 Nos.
68	Tap set	1 No.
69	Die set	1 No.
70	Number punchine	1 Set

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

CONSUMABLES

Following are the list of items /consumables and the minimum quantity that has to be maintained by the contractor at any time:-

General-purpose fabrication/welding electrode (Advani, Oerlikon, ESAB, D&H, L&T, E-6013): 100 Kg.

Oxygen Gas: 30 nos.

DA Gas cylinder: 20 nos.

Diesel: 20 ltrs.

Painting brush: 10 nos.

Paint Enamel: 50 Ltr, Thinner: 20 Ltr, Primer: 50 Ltr

Wire brush: 10 nos.

Emery paper of different grades: 10 sheets each

Grinding wheel : 20 nos.

Wire breaded buffing wheel: 5 nos.

Cotton waste: 200 kg

MINIMUM NUMBERS OF TOOLS AND ACCESSORIES CONTRACTOR HAS TO MAINTAIN AT SITE ALWAYS FOR HOUSEKEEPING OF ILHS (J-2)

Item	Qty Req
Sawel	80
Pavda	15
Tagadi 16"	50
Hand wash- Dettol (250 ml Bottle)	52
floor cleaning agent (Phenyl) Litre	300
Rub Duster (Swabbing Cloth)	200
Toilet freshener 50 gm	100
Room Spray	24
Buckets 15 LTR	10
Brooms,	250
High beam torch	10
Floor sweeping brush	100
portable vacuum machine for cleaning of MCC, C/R etc	1
Hose pipe with coupling	20
Branch	3

Note: 1) Contractor has to ensure the availability of the above items at any time in good working condition.

2) Above list of items is tentative; however, bidder has to keep the required tools and tackles to satisfactory execution of scope of work mentioned in tender document.

MINIMUM NUMBERS OF TOOLS AND ACCESSORIES CONTRACTOR HAS TO MAINTAIN ALWAYS FOR HOUSEKEEPING OF ELHS (J-3)

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Item Description	Quantity
Sawel	65
Pavda	15
Tagadi	50
Toilet freshener	48
Bucket 15 Litre	6
Sweeping Brooms	100
Rub Duster (Sweeping cloth)	60
Cleaning Brush with Handle	80
Cleaning Agent (Phenyl) in LTR	200
High beam torch	5
Floor sweeping brush	50
portable vacuum machine for cleaning of MCC, C/R etc	1
Hose pipe with coupling	20
Branch	3

NOTE:

The list is tentative, however any other tools/ tackles and consumables required for carrying out work shall be in the scope of the contractor.

PACKAGE- B

Tools and Tackles and Consumables

- **HANDLING AND MAINTENANCE**

Tools and Tackles

Sr. No.	Item Description	Sub header	UOM	Quantity
1	Utility knife-SNAP OFF-Blade Width =18 mm		No.	10
2	Screw driver 12"		No.	7
	Screw driver 24"		No.	7
3	Combination Pliers insulated with thick C.A.sleeve		No.	10
4	Box Spanner set, S-14MXL		Set	2
5	Allen Key Set	mm, AKM-9	No.	7
		inch, AKI-10		7
6	Circlip Plier, with dip coated sleeve	Outer	No.	7
		Inner	No.	7
7	Centre Punch (8 mm)		No.	7
	Centre Punch (12 mm)			7
8	Chiesel	Small-16 mm	No.	3
		Big-32 mm		7
		Medium-25 mm		3

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Sr. No.	Item Description	Sub header	UOM	Quantity
9	Screw Spanner	205mm	No.	9
		305mm		9
10	Spanner	8 x 9 Fix	No.	6
		8 x 9 Ring		6
		10 x11 Fix		7
		10 x 11 Ring		7
		12 x 13 Fix		12
		12 x 13 Ring		12
		14 x 15 Fix		6
		14 x 15 Ring		6
		16 x 17 Fix		12
		16 x 17 Ring		12
		18 x 19 Fix		7
		18 x 19 Ring		7
		20 x 22 Fix		6
		20 x 22 Ring		6
		21 x 23 Fix		7
		21 x 23 Ring		7
		24 x 26 Fix		6
		24 x 26 Ring		6
		24 x 27 Fix		7
		24 x 27 Ring		7
		25 x 28 Fix		6
		25 x 28 Ring		6
		30 x 32 Fix		7
		30 x 32 Ring		7
		32 x 36 Fix		7
		32 x 36 Ring		7
		34 x 38 Ring		2
		34 x 38 Fix		2
		41 x 46 Fix		3
		41 x 46 Ring		3
		46 x 50 Fix		3
		46 x 50 Ring		1
11	Tester	Green 815/ Yellow 813	No.	40
12	Sledge Hammer 900 Gram		No.	7
13	JK make Half round file	300 mm Smooth	No.	6
		300 mm Rough		6
14	JK make Flat File	300 mm Rough	No.	6
15	JK make Round File	300 mm Rough	No.	6
16	Hollow leather Punch	10 mm	No.	6
		12 mm		8
		14 mm		6
		16 mm		8
		19 mm		6
		22 mm		1
		25 mm		3
17	Lock (Small) 40 mm		No.	8
	Lock (Large)		No.	2

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Sr. No.	Item Description	Sub header	UOM	Quantity
18	Shim cutter		No.	2
19	Hacksaw Blade		No.	7
20	Hacksaw Wooden			
21	Electrician Screw driver	200 mm long	No.	4
22	Pipe Wrench	14 "	No.	2
		18 "		2
		24 "		3
23	Nose Pliers	165 mm	No.	3
24	Feeler Gauge	Small 4", 26 blade	No.	2
		Big 12", 26blade		2
25	Measuring tape	3 Meter	No.	5
		5 Meter		5
26	Hammering/Slogging Spanner (open Ended & Ring type)	30 mm (R)	No.	2
		32 mm (R)		2
		34 mm (R)		2
		36 mm (R)		2
		38 mm (R)		2
		46 mm (Ring)		2
		55 mm (Ring)		1
		65 mm (Ring)		1
		75 mm (open)		1
27	Grease Gun 1 Kg		No.	3
28	Norton combination stone 200 x 50 x 25 FINE/ COARSE		No.	2
29	Welding machine (400 amp) with ELCB of 30 amp fitted	Transformer	No.	2
		Rectifier		1
30	Portable welding machine (single phase)		No.	1
31	Welding lead	10 meters	No.	3
		40 meters	No.	1
32	Welding lead Lug heavy duty		No.	20
33	Welding machineReceptacle socket (as per site condition)		No.	4
34	Dial gauge Make: Becker / Mitytoyo		No.	3
35	Magnetic Stand, Make: Becker/ Mitytoyo		No.	1
36	Vernier Calliper (with dial gauge)	0 - 300 mm size	No.	1
37	Micrometer	0 - 25 mm size	No.	1
38	Screw driver	825 number	No.	3
		827 number		3
		934I number		3
		937I number		3
		Square long		3
39	Striking Screw Driver	10.0 x 1.2	No.	6
40	Needle file	Size: 160 mm	Set	1
41	Bearing puller		No.	1
42	Spirit level with magnet	SLM05 24	No.	1
43	Oxygen regulator with two regulators		No.	4
44	Acetylene regulator with two regulators		No.	4
45	Divider (big 6")	Bharat	No.	2
	Divider (big 12")	Bharat	No.	2

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Sr. No.	Item Description	Sub header	UOM	Quantity
46	Right angle 12”	Bharat	No.	6
47	Cylinder key		No.	6
48	Chain pulley block, 1 MT, 5 meters		No.	1
49	Chain Pulley block, 2 MT, 10 meters		No.	2
50	Chain pulley block, 2 MT, 20 meters		No.	1
51	Wire Rope sling (capacity 2 MT, 2 Meter long)		No.	1
52	Wire Rope sling (3-meter-long, 5 MT)		No.	1
53	Nylon Webbing sling, 2 MT (2 meter)		No.	1
54	Nylon Webbing sling, 2 MT (1 meter)		No.	1
55	Nylon Lifting sling 5 MT (2 meter)		No.	1
56	Nylon Lifting sling 5 MT (3 meter)		No.	1
57	D shackle (2 MT, Big)		No.	2
58	D shackle (5 MT)		No.	4
59	Rope Pulley		No.	1
60	Rope for Material lifting (<i>capacity such as to lift 1 - 2 MT load</i>), Manila rope or polyamide rope	60 meters	Meter	1
61	Oil can, capacity 10 liter		No.	1
62	Box spanner 11 mm	1/2 Sq. Drive	No.	6
	Box spanner 13 mm	1/2 Sq. Drive	No.	6
	Box spanner 16 mm	1/2 Sq. Drive	No.	6
	Box spanner 17 mm	1/2 Sq. Drive	No.	6
	Box spanner 36 mm	3/4 Sq. Drive	No.	1
63	Flexible grinder FF2(As per requirement)		No.	1
64	Hydraulic Jack, 50 MT and tank (As per Requirement)		No.	1
65	Tool bag		No.	7
66	Hand Torch (Large) rechargeable		No.	10
67	Hammer 8.5 Kg		No.	1
68	Drill machine (As per Requirement)		No.	1
69	Grinding machine AG 4 or AG 5, Make: Bosch		No.	1
70	Cutting torch		No.	3
71	Cutting set with DA and oxygen flash back arrestor	10 meters	No.	2
		32 meters	No.	1
72	Extension board with cable single	35 meters	No.	1
73	Short cable Copper 35 SQ mm	3 meters	No.	3
74	Ball pien hammer 700 grams	800 gm	No.	6
75	Cutting set trolley		No.	2
76	PVC hose pipe for Air line	10 meters	Meter	4
		20 Meter	Meter	1
77	Aligning Thread	10 meters	Meter	2
78	Grease Bucket (500 gram)		No.	
79	Tap Set (including Handle reamer wrench and thread tap size: 10mm, 12 mm, 14 mm, 16mm, 20 mm)		Set	1
80	Halogen light: 200 Watt		No.	4

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

Consumables

Sr. No.	Description	Total minimum Qty. that shall be kept available at site
1.	General purpose electrode	25 kg
2.	Oxygen Gas cylinder	5 Nos.
3.	DA Gas cylinder	6 Nos.
4.	Diesel	10 Liters
5.	Painting brush	5 Nos.
6.	Wire brush	10 Nos.
7.	Emery paper of different grades	10 Nos. of each grade
8.	Grinding wheel	5 Nos.
9.	Cotton waste	50 kg
10	Welding holder	2 Nos.
11	Cutting Wheel	2 Nos.

• HOUSEKEEPING

Tools and Tackles

Sr. No.	Item description	UoM	Approx. Quantity (per Annum)
1	Spade / <i>Belcha</i> / Pawda	No	24
2	Tagadi	No	20
3	Sickle (<i>Daatardu</i>)	No	2
4	Hand lamp with extension board and wire 20 meter	No	2
5	Hand torch Large Make Eveready or equivalent (type rechargeable)	No	3
6	Synthetic fibre circular woven fire hose fitted with end coupling (63 mm dia * 15 mtr. long) (fire fighting hose)	No	10
7	Water hose fittings with Nozzle	No	2
8	Trikam	No.	6
9	Hammer (3 to 5 kg)	No	3
10	Hose Pipe for cleaning with the help of Air (approx. 1/4" NPT)	Meter	50
11	Cotton Rope (approx. 25 mm dia.)	Meter	50
12	Wheel Barrow	No.	2
13	Dustpan(supdi) steel	No.	12
14	Verticle mop with big handle	No.	24

Consumables

Sr. No.	Item description	UoM	Approx. Qty. (per Annum)
1	Detergent Powder	Kg	24

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

2	Bucket	No	8
3	Dust bin	No	6
4	Road Sweeping Brush (<i>Push Broom</i>)	No	48
5	Water Wiper with long handle	No	12
6	Broom (<i>Jhaadu</i>)	No	360
7	Hard Cleaning Broom (<i>Saavarno</i>)	No	36
8	Phenyl liquid	Liter	120
9	Harpic toilet cleaner	Liter	72
10	Naphtha balls	Pkt.	12
11	Odonil Tablet (for air freshening)	Pkt.	50
12	White swabbing cloth	Piece	52
13	Yellow duster cloth	Piece	100
14	Colin Spray for Glass Cleaning	Liter	18
15	Soap (Nirma/Lifebuoy) 125 gram	Piece	60
16	Handwash (Lifebouy/ Dettol / Godrej) for hand wash	Liter	50
17	Air Freshener Spray bottle 250 ml. (Preferable Make: Odonil)	Nos.	48
18	Hand Sanitizer	Liter	120

Note:

- 1 Contractor has to ensure the availability of the above at any time.
- 2 The above pertaining to the Tools and Tackles / Consumables for Handling, Maintenance and Housekeeping, is not exhaustive and any other Tools & Tackles / Consumables required for job items execution as per Contract shall be in the scope of Contractor.

Contractor / Authorized Representative's Signature:

Company / Organization Seal & Date

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-K

Package - A

MINIMUM QUALIFICATION AND EXPERIENCE OF CONTRACTUAL EMPLOYEES

Sr. no	Description	Minimum qualification & experience
1	Operation In charge	B.E (Electrical) with 3 to 5 years relevant experience OR Diploma with more than 8 years experience in relevant field.
2	Coordinator/Supervisor (LHS)	Diploma with 2 to 4 years experience in relevant field.
3	Coordinator/Supervisor (LSMS)	Diploma with 2 to 4 years experience in relevant field.
4	Field engineer (mechanical maintenance)	Diploma with 2 to 4 years experience in relevant field.
5	Mechanical Maintenance – in charge	B.E (Mechanical) with 3 to 5years experience in relevant field.
6	Skilled operator (mechanical)	ITI with 3 to 5 years experience.
7	Skilled operator (electrical)	ITI with 3 to 5 years experience.
8	Location operator	With industrial exposure for 02 years.
9	Skilled technician (mechanical)	ITI with 3 to 5 years experience.

Package - B

List of qualifying staff to be submitted with physical documents

Sr. No.	Location	Minimum Educational Qualification / minimum required Experience
HANDLING (OPERATION)		
1	Field Engineers / Supervisors for Operation Co-ordination <u>and</u> Maintenance Supervisor	Diploma in Mechanical / Electrical Engineering with Minimum 2 years of relevant experience in Power plant / Process Plant or its Construction (Project)
2	Mechanical Field Operators and MCC Operators	I.T.I. in Mechanical / Electrical with Minimum 2 years of relevant experience in Power plant or Process plant as per required locations.

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

MECHANICAL MAINTENANCE		
1	Maintenance Engineer	Diploma in Mechanical / Electrical Engineering with Minimum 2 years of relevant experience in Power plant / Process Plant or its Construction (Project)
2	Fitter / Welder	I.T.I. in Mechanical with minimum 2 years of relevant industrial experience.
3	Semi skilled workmen	8 th – 10 th Pass with 2 years of relevant industrial experience.
4	Un-skilled workmen	8 th – 10 th Pass with 2 years of relevant industrial experience.
HOUSEKEEPING		
1	Site Supervisor	Shall have hands-on experience of minimum 2 years in Industrial atmosphere of administration and control of minimum 30 workmen
2	Un-skilled workmen	8 th – 10 th Pass with 2 years of industrial experience
GENERAL		
1	Site In-charge	Shall be qualified and holding a Diploma / Degree in any relevant discipline and having hands-on industrial experience of minimum 5 years in Administration and Control of minimum 60 workmen.
2	Store keeper / Time keeper	Shall have Industrial exposure and relevant experience with adequate literacy.

Contractor / Authorized Representative's Signature:

Company / Organization Seal & Date

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE –L

SCHEDULE OF DEVIATION FROM GENERAL AND TECHNICAL SPECIFICATIONS

All the deviations from the general and technical specifications shall be filled by BIDDER clause by clause in this schedule.

Sr. No	SECTION	CLAUSE NO	AS PER TENDER DOCUMENT	DEVIATION

The bidder here by certifies that the above mentioned are the only deviations from OWNER’s General/ Technical Conditions of this enquiry. The bidder further confirms that in the events any other data and information presented in the BIDDER’s proposal and accompanying documents are at variance with specific requirements laid out in the OWNER’s General /Technical Specifications, then the latter shall govern and will be binding on the BIDDER for quoted price.

COMPANY SEAL

SIGNATURE

NAME

DESIGNATION

COMPANY

DATE

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-M

DEFECT LIABILITY PERIOD FOR MECHANICAL EQUIPMENTS

Sr.no	Activities	Work on which defect liability will be counted	Minimum time
1	Bearing replacement	If jammed due to starvation, axial shifting due to loose check nut, over tight of check nut, improper fitment.	15 days.
2	Drive alignment.	Looseness of bolts, high vibration due to improper alignment.	15 days.
3	Oil seal replacement.	Oil leakage through lip.	7 days
5	Hard facing of Spikes on Rotor of Primary crusher.	Detachment of built-up weld deposits.	30 days
6	Skirt rubber fixing.	Detachment of skirt rubber due to welding failure.	30 days
7	Bearing jammed due to lack of lubrication	After monthly preventive maintenance	30 days
8.	Gear box /scoop coupling/traction coupling	Problem due to improper workman ship , Oil leakage,high vibration,seizing of bearing,Any other functional deficiencies	7 days
9	Welding work	Poor consumable/workman ship,Failure of welding	30 days

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE – N

INFORMATION CONTAINING DETAILS OF PROPOSAL

- 1.0 NAME OF PACKAGE :
- 2.0 NAME OF TENDERER :
- 3.0 ADDRESS OF TENDERER :
- 4.0 NAME OF CONTACT PERSON/S AND :
DESIGNATION ALONG WITH PHONE /
FAX / MOB.NOS.
- 5.0 LEGAL STATUS AND CAPACITY OF : SOLE PROPRIETORSHIP/
TENDERER PARTNERSHIP FIRM/COMPANY (P)
LTD/PUBLIC LTD/GOVT.CO./
CO.OP.SOCIETY/ REGISTRATION
UNDER SHOPS & ESTABLISHMENT
(Strike out which is not applicable)
including change in the constitution of firm,
if any, for the last three years.
- 6.0 REGISTRATION DETAILS :
- 7.0 COMPANY INCORPORATION DETAILS :
(COMPANIES ACT 1913 / 1956)
- 8.0 FULL NAME, DESIGNATION & ADDRESS :
OF AUTHORISED SIGNATORY OF THE
PROPOSAL
- 9.0 AUTHORITY / POWER OF ATTORNEY OF :
AUTHORISED SIGNATORY OF THE
PROPOSAL
- 10.0 DETAILS OF ALLOTMENT OF :
INDEPENDENT PF CODE NO. BY
CONCERNED REGIONAL PROVIDENT
FUND COMMISSIONER

Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

11.0 MENTION THE DETAILS OF SIMILAR
NATURE OF JOB BEING EXECUTED AT
PRESENT.

12.0 ANY OTHER INFORMATION :

NOTE : NO COLUMN SHOULD LEFT BLANK. COLUMNS NOT APPLICABLE MAY BE MARKED AS N.A. CERTIFIED DOCUMENTARY PROOF FOR THE INFORMATIONS MAY BE ACCOMPANIED. IF ANY DOCUMENT IS SUBMITTED EARLIER, PLEASE MENTION THE REFERENCE OF SUBMISSION AGAINST RESPECTIVE COLUMN.

THE ABOVE INFORMATION ARE PART OF OUR BID AND THESE ARE BINDING ON US.

PLACE : SIGNATURE OF BIDDER : _____

DATE : DESIGNATION : _____

COMPANY STAMP : _____

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE- P

(To be submitted on Company’s Letter Head)

Declaration Cum Undertaking for Safety Laws and Regulations Compliance

I _____ on behalf ofName of Party/Company.....
hereby confirm, agree and undertake that all the Statutory and Safety Laws and Regulations of the applicable Authority/ies shall be strictly followed for all types of works at the site during the period of the Contract, if awarded to me.

Signed and Stamped by the
Authorized Signatory
Of the Bidder

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE- Q

(To be submitted on Company’s Letter Head)

Declaration for Contractual Litigations

I _____ on behalf ofName of
Party/Company..... hereby confirm that I/We have

- a. Not invoked legal recourse e.g. litigations against any Govt. of Gujarat Undertakings / Depts. / Authorities and Govt. of Gujarat supported companies / undertakings / organizations for the last three (03) years. There are no ongoing/pending legal matter(s) with any of the Govt. of Gujarat Undertakings / GoG supported Companies, including GIPCL.

Please Tick ()

OR

- b. Invoked legal recourse e.g. litigations against any Govt. of Gujarat Undertakings / Depts. / Authorities and Govt. of Gujarat supported companies / undertakings / organizations for the last three (03) years.

Please Tick ()

If “b” is applicable, please submit the details for the same.

The above is true, as on date, to the best of my knowledge. Any breach / false statement in this regard shall amount to disqualification of the Bid being submitted herein.

Signed and Stamped by the
Authorized Signatory
Of the Bidder

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-R

Document submitted for Pre-Qualification

<u>Sr. No.</u>	<u>Qualification criteria No.</u>	<u>Document Reference no. submitted for Eligibility</u>	<u>Remarks</u>
1	5.1		
2	5.2		
3	5.3		
4	5.4		
5	5.5		
6	5.6		
7	5.7		
8	5.8		
9	5.9		
10	5.10		
11	5.11		
12	5.12		
13	5.13		
14	5.14		
15	5.15		
16	5.16		

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE-S

PROCEDURE FOR MAKING ONLINE PAYMENT OF EMD/SD/TENDER FEE

1. For making online payment, first go to the website: **www.gipcl.com**
2. Then, click on the caption/link as can see like:
“Click here for Making Online Payment of Advance for Ash, DM water etc.”
(The link is visible as horizontal highlighted below Tenders - News & Update Section. Can be seen in below screenshot)
3. After clicking the link the new page will open. On this page, no need to enter User Name and Password. Directly click on “Payment Form” given below the sign in option.
4. After clicking the “Payment Form”, the vendor has to enter the details asked which will be self explanatory. It is desired that all the information may be filled correctly so that the payment made can be tracked.

If the some required fields are not known/available, vendor may write “Not Available” and then proceed. E.g. some information like Party code is not available to vendor or GST No. not available with vendor.

Optional Note: Although mentioned as above can be proceeded with “Not available”, It will be appreciated that regular vendors may obtain the party code from Materials Deptt. or Concerned Person, so that the vendor can be identified. The same party code may be used for future transactions also.

After entering the details, click on SUBMIT Button.

5. The vendor/Party will be redirected to Payment Gateway.
By selecting the desired payment mode, payment can be made:
6. After making the payment, the receipt will be generated which has to be shared with Concerned Person of GIPCL.

Important Note: Please note that for making online payment through the above gateway, the charges* as below will be applicable, which has to be borne by Vendor/Party making the Payment:

Payment Mode	Charges
Net Banking	Rs.9 + GST
Debit Card	NIL
Credit Card	0.75% + GST
International Card	3.00% + GST
UPI	NIL

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE- T

CERTIFICATE OF COMPLIANCE BY CONTRACTOR

(To be submitted with each monthly bill on letter head along with labour compliance records)

Certified that M/s.....has been awarded BRC / BMC for for the period of.....to..... at Gujarat Industries Power Company Limited – Surat Lignite Power Plant, Nani Naroli. I undertake to be bound by all the provisions of the Contract Labour (Regulation & Abolition) Act 1970 and the Contract Labour (Regulation & Abolition) Rules 1972, The Employees’ Provident Funds and Miscellaneous Provisions Act 1952, Minimum Wages Act 1948, Payment of Wages Act 1936 and Payment of Bonus Act 1965 and all other applicable labour laws in so far as the provisions are applicable to me in respect of the employment of contract labour by me for the month of

For M/s.
Authorized Signature with Stamp

Place: Nani Naroli
Date:

Through: HoD

To,
GM (HR&A)

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Tender for “Biennial Rate Contract for Handling, Mechanical Maintenance and Housekeeping of Lignite Handling, Limestone Handling, Milling and conveying System and Ash Handling System” for 2 years period.

ANNEXURE – U

ETHICS PACT GUJARAT INDUSTRIES POWER COMPANY LIMITED

PO: RANOLI, DIST: BARODA – 391346

Reference PO No.

Date:

Integrity Pact No.:

Contract Period:

OUR ENDEAVOUR

To create an environment where Business Confidence is built through best business practices and is fostered in an atmosphere of trust and respect between providers of goods and services and their users for the benefit of stakeholder, society and the nation.

GIPCL'S COMMITMENT	PARTY'S COMMITMENT
To maintain the highest ethical standards in business and professions	Not to bring pressure / recommendation from outside GIPCL to influence its decision.
To ensure maximum transparency to the satisfaction of all stakeholders.	Not to use intimidation, threat, inducement or pressure of any kind on GIPCL or any of its employees.
To fulfill the terms of agreement / contract and to consider objectively the viewpoints of other stakeholders.	To be prompt and reasonable in fulfilling the contract, agreement and legal obligations.
To ensure regular and timely release of payments for works done/services provided	To provide goods and / or services timely as per agreed quality and specifications.
To ensure that no improper demand is made by employees or by anyone on our behalf.	To maintain the general discipline in our dealings and transactions.
To give maximum possible assistance to all the Vendors / Suppliers / Service Provider and others to enable them to complete the works in time.	To be truthful and honest in furnishing information.
To provide all necessary information to suppliers /contractors relating to contract / job to facilitate them to complete the contract / job successfully in time.	Not to divulge to others any information, business details about GIPCL made available during the course of business relationship without the written consent of GIPCL.
To ensure that no hurdles are caused to vendors / suppliers / contractors in execution of agreement / contract / work.	Not to enter into cartel / understanding whether formal or informal so as to influence the price.

Seal & Signature
(GIPCL's Authorized signatory)
Name:
Designation:

Seal & Signature
(Party's Authorized signatory)
Name:
Designation:

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