

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	02-03-2026 15:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	02-03-2026 15:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Mines
विभाग का नाम/Department Name	Hindustan Copper Limited
संगठन का नाम/Organisation Name	Hindustan Copper Limited
कार्यालय का नाम/Office Name	Kolkata Corporate Office
वस्तु श्रेणी /Item Category	Operation And Maintenance Of Other Machines And Plants - Complete System
अनुबंध अवधि /Contract Period	1 Year(s)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	12 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	7 Year (s)
इसी तरह की सेवाओं का पिछला आवश्यक अनुभव है/Past Experience of Similar Services required	Yes
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
अनुमानित बिड मूल्य /Estimated Bid Value	4545360
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मूल्य दर्शाने वाला वित्तीय दस्तावेज ब्रेकअप आवश्यक है / Financial Document Indicating Price Breakup Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	90900

ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
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(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने है। एमएसई कटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document

for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी /Beneficiary :

AGM (Sys.)-M&C
Hindustan Copper Limited, Malanjkhand Copper Project, Ministry of Mines
(Mahesh Sharma)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई अनुपालन/MII Compliance

एमआईआई अनुपालन/MII Compliance	Yes
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within $L1+X\%$	15

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Years of Past Experience required: The bidder must have experience for number of years as indicated above in bid document (ending month of March prior to the bid opening) of providing similar type of services to any Central / State Govt Organization / PSU. Copies of relevant contracts / orders to be uploaded along with bid in support of having provided services during each of the Financial year.
3. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference for services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered service. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within $L-1+ 15\%$ of margin of purchase preference /price band as defined in the relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price. The buyers are advised to refer to the [OM_No.1_4_2021_PPD_dated_18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if the credentials of the service provider are validated on-line in GeM profile as well as validated and approved by the Buyer after evaluation of submitted documents.
4. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within $L-1+ 15\%$ of margin of purchase preference /price band as defined in the relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price.
5. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and

based on competitive prices received in Bid / RA process.

6. Past Experience of Similar Services: The bidder must have successfully executed/completed similar Services over the last three years i.e. the current financial year and the last three financial years(ending month of March prior to the bid opening): -

1. Three similar completed services costing not less than the amount equal to 40% (forty percent) of the estimated cost; or
2. Two similar completed services costing not less than the amount equal to 50% (fifty percent) of the estimated cost; or
3. One similar completed service costing not less than the amount equal to 80% (eighty percent) of the estimated cost.

एक्सेल में अपलोड किए जाने की आवश्यकता /Excel Upload Required :

PRICE BREAKUP - [1770633157.xlsx](#)

अतिरिक्त योग्यता /आवश्यक डेटा/Additional Qualification/Data Required

Please upload scope of work:[1770633167.pdf](#)

Operation And Maintenance Of Other Machines And Plants - Complete System (1)

तकनीकी विशिष्टियाँ /Technical Specifications

विवरण/ Specification	मूल्य/ Values
कोर / Core	
Operation And Maintenance Service Is Required For	Complete System
Type of Annual Maintenance Service Provider required	Annual Mechanical Maintenance of Equipments Installed at Concentrator Plant WTP Intake Well Tailing Dam
Status/condition of equipment/machine/system (At the time of bid)	Functional but outside AMC and Warranty
Cost of consumable/Material	Consumables to be provided by service provider (inclusive in contract cost)
Cost of spare parts	Spare parts to be provided by the buyer
एडऑन /Addons	
अतिरिक्त विवरण /Additional Details	
Number of Dedicated managerial/supervisory staff required	1
Duty hours of dedicated managerial/supervisory staff	8
Working days in a week for managerial/supervisory staff	6
Number of dedicated skilled manpower required	3
Duty hours of dedicated skilled manpower	8
Working days in a week for skilled manpower	6

विवरण/ Specification	मूल्य/ Values
Number of dedicated semi-skilled manpower required	3
Duty hours of dedicated semi-skilled manpower	8
Working days in a week for semi-skilled manpower	6
Number of dedicated unskilled manpower required	3
Duty hours of dedicated unskilled manpower	8
Working days in a week for unskilled manpower	6

क्रेता द्वारा निर्धारित न्यूनतम मूल्य/Minimum Floor Price defined by Buyer

क्रेता द्वारा निर्धारित न्यूनतम मूल्य/Minimum Floor Price defined by Buyer	No
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अतिरिक्त विशिष्टि दस्तावेज़ /Additional Specification Documents

प्रेषिती/रिपोर्टिंग अधिकारी /Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	Quantity	अतिरिक्त आवश्यकता /Additional Requirement
1	Mahesh Sharma	481116,Malanjkhand Copper Project, Dist- Balaghat, Madhya Pradesh- 481116	Project / Lumpsum Based	N/A

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The buyer can increase or decrease the contract quantity or contract duration up to 25 percent at the time of issue of the contract. However, once the contract is issued, contract quantity or contract duration can only be increased up to 25 percent. Bidders are bound to accept the revised quantity or duration

2. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

3. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

8. PERFORMANCE SECURITY (SECURITY DEPOSIT)

8.1 The successful Tenderer shall deposit an amount equivalent to 10% of the total Contract/ Work Order value including GST.

8.2 Out of this, the initial Security Deposit will amount to 5% of the total Contract/ Work Order value including GST. The Initial Security Deposit is to be deposited by the successful Tenderer within 30 (Thirty) days from the date issue of Letter of Intent/Work Order, whichever is earlier, in the form of Insurance Security Bond/ /NEFT/RTGS/Fixed Deposit Receipt/Bank Guarantee (on HCL's format) from a Scheduled Commercial Bank except Co-operative and Gramin Bank for Goods/Services/Works/EPC Contracts. In case of Bank Guarantee, it has to be as per HCL's prescribed format.

8.3 The Security Deposit equivalent to the balance 5% of the total Contract/ Work Order value including GST will be recovered from the progressive bills of the contractor @10% from each RA Bill. However, after every six months, 50% of the accumulated retention money can be refunded to the contractor against submission of equivalent amount of Bank Guarantee (BG) from scheduled commercial bank.

8.4 HCL is at liberty, after having given fourteen (14) days written notice to the contractor, to realize and/or for unsatisfactory performance of the contract or any clauses thereof.

8.5 The above security amount shall remain fixed during the entire period of the contract irrespective of any decrease/increase in the value of contract due to any reason like increase/decrease in labour wages, price indices, change order, etc., during the execution of the contract.

8.6 In case the Security Deposit is furnished by way of Bank Guarantee, it must be initially valid for the entire contract period plus Defect Liability Period (DLP) plus 60 days beyond the date of completion of all contractual obligations of the Contractor/contractor, including warranty obligations.

8.7 A penal interest @18% per annum shall be collected from the bidders on a pro-rata basis on account of any delay towards submission of SD/ Bank Guarantee amount after the assigned period of 30 days.

8.8 Only after submission of SD, the EMD of Successful Bidder will be refunded.

8.9 Payment of Contractor will be withheld until receipt of Performance Security/ Security Deposit.

8.10 The method of submission of Bank Guarantee is as below:

The bank guarantee issued by the issuing bank on behalf of the Contractor in favour of Hindustan Copper Limited (HCL) shall be in hard copy in original on stamp paper as well as Structured Financial Messaging System (SFMS).

HCL has chosen State Bank of India to act advising/beneficiary bank of HCL. The bank issuing the guarantee on behalf of the Contractor should choose this bank to send confirmation through SFMS.

The details of beneficiary (i.e., HCL) for issue of bank guarantee through SFMS platform is as furnished below:

State Bank of India as Advising Bank of HCL

Name and Details of Beneficiary	I	Name	Hindustan Copper Limited
	II	Address	Tamra Bhawan 1, Ashutosh Chowdhury Avenue, Kolkata 700019
	III	Area	Kolkata 700019
	IV	Name of Bank	State Bank of India
	V	Bank A/C No.	10373629348
Beneficiary's	I	Name of Bank	State Bank of India
Advising Bank, Branch and Address for BG Confirmation through SFMS	II	Name of the Branch of the Bank	CAG Branch Kolkata
	III	MICR Code	700002199
	IV	IFSC Code	SBIN0009998

	V Address of the Branch of the bank	34, J L Nehru Road, Reliance House, Kolkata 700071
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Contractor to note that above particulars are to be incorporated by the issuing bank properly while issuing the Bank Guarantee under SFMS mode to avoid any future problem in accepting the BGs.

The Guarantor (BG issuing bank) shall send information about issuance of this Guarantee through SFMS gateway to the State Bank of India, CAG Branch Kolkata (IFSC- SBIN0009998), to aid in the process of confirmation of Bank Guarantee.

“The BG shall be operable including encashment at issuing bank’s any local branch in Malanjkhanda, Madhya Pradesh.”

The Original Bank Guarantee issued by the outstation bank shall be sent by the Issuing Bank to DGM (Mktg./M&C), Hindustan Copper Limited, Malanjkhanda Copper Project at Malanjkhanda, Pin code- 481116 by Speed Post/Registered Post.

The Company shall be at liberty to deduct and appropriate from the Security Deposit such penalties and dues as may be payable by the Contractor under the contract and the amount by which the Security Deposit shall get diminished will be made good by further deduction from the Contractor’s subsequent bills in the same manner as aforesaid until the security deposit is restored to its full limit mentioned above.

The provision of Security deposit Clause shall not apply to the following:

- Public Sector Undertakings
- Government departments/Government Institutions

FOREFEITURE OF SECURITY DEPOSIT

- The Company shall have the full right to forfeit and appropriate the security deposit on breach of any of the terms and conditions laid down herein or will be applicable in future, without prejudice to the rights of the Company or otherwise available under the law. Any dues of the Company against the Contractor under the contract resulting from award of work to some other agency at the risk and cost of the Contractor shall be adjustable against the security deposit and if SD is insufficient, the same shall be recovered from the Contractor.
- In case of termination of the contract by the Contractor, the Company shall have the right to forfeit the Security Deposit.
- On due and satisfactory performance and completion of the contract in all respect and settlement of final bills, the Security Deposit will be returned to the Contractor without any interest on presentation of an absolute, No Demand Certificate in the form as may be prescribed by the Company.
- In case of quantity enhancement/ repeat order as per Option Clause, time extension of SD provided for the original order shall be extended suitably by the Contractor to cover the extended period. In case the security deposited is not extended by the Contractor at least one (01) month before its expiry then the same may be forfeited and encashed. The above claim period of at least one (01) month should be specifically mentioned in the BG.
- The Security deposit will be forfeited and credited to HCL’s account in the event of a breach of contract by the contractor. Security deposit to be refunded to the contractor without interest, after successful performance and completion of the contract in all respects but not later than 60 (sixty) days of completion of all obligations including the warranty under the contract, subject to recovery of claim if any.
- For service/works/EPC contracts having validity of more than two years, alternately, the security deposit for the entire amount may be initially submitted for eighteen (18) months and thereafter may be suitably extended on yearly basis until the end of the contract plus 60 days. In case the security deposited is not extended by the successful bidder at least one (01) month before its expiry of the same then the same may be forfeited and encashed. The above claim period of at least one (01) month should be specifically mentioned in the BG.

Inclusion of following Formats:

- a) PROFORMA OF BANK GUARANTEE FOR SECURITY DEPOSIT
 - b) MANDATE FORM FOR ELECTRONIC PAYMENT THROUGH INTERNET (For RTGS Facility)
- Bidder’s pre-qualification criteria should have Inclusion of Work Order Value (including GST).

· Turnover certificate/Balance Sheet/Profit or loss Account should be duly certified by Chartered Accountant only with UDIN no. is to be uploaded in Techno-Commercial Offer. No other form of turnover certification is acceptable.

10. EARNEST MONEY DEPOSIT (EMD)

Contractor has to submit an amount of Rs. 90,900/- towards EMD through insurance surety bonds OR bank guarantee (including e-bank guarantee) from any of the commercial banks as per HCL's Format enclosed with the bid document OR payment online in an acceptable form NEFT/RTGS. No other form for EMD submission will be acceptable. Please upload payment transfer details (scan copy of RTGS/NEFT payment transfer)/ scan copy of bank guarantee/ scan copy of insurance surety bonds in the bid documents on GEM portal. The bank A/C details for RTGS/NEFT payment are as under:

IFSC Code: SBIN0004510

A/C Type: Current Account

A/C No.: 11290757078

A/C Name: Hindustan Copper Limited

EMD will be forfeited if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required Security deposit within the specified period. EMD of the unsuccessful bidders should be returned to them at the earliest after expiry of the final bid validity period and latest by the 30th day after award of the contract / Lol. EMD should be refunded to the successful bidders on receipt of Security deposit. In case of discharge of tenders or for bidders, who are disqualified during processing of the bid, EMD shall be refunded within 30 days of such decision.

EMD should remain valid for a period of 45 (Forty-Five) days beyond the final bid validity period.

Sellers exempted from submission of EMD shall be strictly as per conditions defined under general terms and conditions of GeM (clause no. 04, sub clause xiii, m).

Non-submission of valid EMD exemption document before due date of bid opening shall lead to rejection of offer. No documents pertaining to EMD exemption shall be accepted after due date of bid opening. In case of non-receipt of EMD amount or documents pertaining to EMD exemption before due date of opening, the online offers will not be considered. The Earnest Money so deposited shall not bear any interest. No adjustment, of any pending amount / EMD whatsoever, against EMD will be made.

11. Bidder to note that Buyer added Bid Specific Terms and Conditions (ATC) in GeM Portal shall supersede any other T&C of Bid document of GeM Portal.

12. Bidders to note that estimated bid value published in GeM portal is including GST.

13. It is being construed that all T&C of bid document are acceptable to the Bidder upon submission of bid Bidder shall upload certification for the same along with the offer (Annexure VI). In absence of the certification, HCL reserves the right to reject the offer.

14. Bidders to ensure that qualifying documents indicated under Pre-Qualification Criteria are to be submitted along with the offer in one instance. HCL reserves the right to reject any requests against submission of shortfall documents post opening of techno-commercial bid.

15. GeM ePBG format is not acceptable. Bidder to submit Bank Guarantee as per HCL format only in accordance with clause no. 30 of Buyer added Bid Specific Terms and Conditions (ATC).

20. PRE- QUALIFICATION CRITERIA

20.1 Average Annual financial turnover during the last 3 years, ending 31st March of the year 2025, should be at least INR 11.56 Lacs. Bidder shall submit relevant documents to certify the same.

20.2 Experience of having successfully executed maintenance or repair or overhauling mechanical works in beneficiation plant or mineral processing plant or mechanical maintenance section in PSU's/ MES/ central government/ state government and other Government Agency/Undertaking or Companies having CIN number may submit their offers. during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:

a. Three executed work order not less than the amount equal to INR 18.18 Lacs inclusive of taxes each.

Or

b. Two executed work order not less than the amount equal to INR 22.73 Lacs inclusive of taxes each.

Or

c. One executed work order not less than the amount equal to INR 36.37 Lacs inclusive of taxes.

Documents to be submitted along with the offer

1. Completion certificate or report of submitted work order failing which work order copies will not be considered.

Note: - Supply of goods or supply of manpower will not be considered.

2. The contractor should be a Registered Firm and shall submit GST Registration, PAN and TAN.

3. The Contractor shall engage workers having valid PF number, details of technical staff along with supervisor to be provided mentioning their Name, qualification, experience (in years), PF code (UAN NUMBER), Vocational Training certificate, medical fitness report to be provided along with technical bid.

“For arriving at cost of similar work, the value of work executed shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the date of bid opening”.

Note: - Bidder has to submit Work Completion Certificate along with the submitted Work Order. Bidder should ensure that the Work Completion Certificate comprise the contents preferably as per Appendix-I.

21. SCOPE OF WORK

Num	Item	Description	Qty	Time for completion of Job (in hours)
1	905435005	Replacement of ball mill's trunnion bearing	4	40
2	905435023	Repair and Replacement of Morris pump (Mill discharge pump)	100	8
3	905435026	Replacement of Motor above 30 H.P within concentrator plant premises:	20	8
4	905435027	Repair and Replacement of SALA PUMP (Tailing disposable pump)	120	8
5	905435031	Repair and replacement of WILFLEY PUMP/ METSO pump model HR-150 (Rougher/ Scavenger pump)	60	8
6	905435052	Repair and replacement of vertical sump pump	80	12
7	905435053	Replacement of motor below 30 h.p.	20	6
8	905435054	Replacement of bull gear	4	16
9	905435055	Replacement of integral pinion shaft	6	10
10	905435506	Replacement of pump below 60 hp at Water Treatment Plant	10	12
11	905435507	Replacement of pump above 60 hp at water treatment plant	5	12
12	905435508	Replacement of cantilever pump	24	12
13	905435509	Repair and Replacement of vertical turbine pump	8	40
14	905435510	Repair and replacement of reclaim pump of capacity 600 m ³ /hr	9	12
15	905435511	Repair and Replacement of seal water pump	6	8

16	905435512	General inspection and maintenance of pump at concentrator plant	12	1 month
17	905437001	Repair of hydraulic jack (100t/200t)	4	8
18	905437002	Repair of hydraulic pump (100t/200t)	4	8
19	905437003	Repair of chain pulley (1t/2t/3t)	4	8
20	905437004	Repair of max puller (1t/ 2t)	4	8
21	905437005	Repair of chain pulley (5t/10t)	4	8

- 1.1. Working hours: Call on duty throughout the contract period.
- 1.2. Contractor has to deploy labors as per the site requirement on demand by site in charge/ engineer in charge.
- 1.3. Scope of work for contractor's representative deployed at site-
 - 1.3.1. Contractor's representative has to report site in-charge (Mechanical/ Process) at the beginning and end of every shift. i.e. 6.00 AM at A-shift, 8.00 AM at general shift, 02.00 PM at B- shift, 4.00 PM at end of general shift and 10.00 PM in B-shift.
 - 1.3.2. Contractor's representative has to engage labors as per the site requirement asked by site in charge/ engineer-in charge.
 - 1.3.3. Safety and safe working of condition of labors engage in site is contractor's responsibility.
 - 1.3.4. Contractor's representative must maintain following documents/register and the same needs to produce before engineer in charge on demand
 - 1.3.4.1. *Register of person employed*
 - 1.3.4.2. *Register of Muster- Roll*
 - 1.3.4.3. *Register of wages*
 - 1.3.4.4. *Register of Deduction from damage or loss*
 - 1.3.4.5. *Register of fines*
 - 1.3.4.6. *Register of advance*
- 1.4. HCL/MCP SCOPE
 - 1.4.1. Storage lockers close to working site for tools and tackles will be provided by HCL/MCP.
 - 1.4.2. Storage lockers to labors engaged at work will be provided by HCL/MCP
 - 1.4.3. Escort crane /welding rectifiers subjected to availability.
 - 1.4.4. For all items special electrodes (except M.S. electrode), welding transformer & pump spares shall be given free of cost by HCL/MCP.
- 1.5. Facilities required with the Contract Maintenance Group.
 - 1.5.1. Each group should have a mobile phone with their supervisor always in working condition.
 - 1.5.2. All workers should enter the respective areas with proper uniform.
 - 1.5.3. All the workers should be equipped with PPEs as per HCL/MCP standards required according to the jobs.
 - 1.5.4. The contractor should supply all the PPEs to their workers in regular time.
 - 1.5.5. Contractor will be penalized if any of his workers found without proper PPEs or sub-standard PPEs as per HCL/MCP rule.
 - 1.5.6. Each group should be equipped with all tools, tackles and measuring equipments all the time.

1.5.7. The Contractor will be penalized in case of delay in jobs due to arrangement of tools and tackles. Tools and tackles should be according to the HCL/MCP standard with valid test certificate.

1.6. Tools and Tackles

1.6.1. Separate tools, tackles and measuring equipment are required for each group. Contractor has to submit test certificate of his tools, tackles and calibration certificate for measuring tools to the department before using it in the job.

1.6.2. It is contractor's responsibility to update the status of the tools, tackles and measuring equipment. The Contractor has to keep tools and tackles set in the selected junction houses also to minimize the down time.

1.6.3. The contractor should arrange HCL/MCP welding machine in main junction houses to perform the job easy and quick.

SCOPE OF WORK

Item no- 01 (ERP code-905435005)

Replacement of ball mill's trunnion bearing

1.1. Only after taking stud down/ clearance of particular ball mill from electrical department/ site in charge/ mechanical in charge job has to be executed.

1.2. Decoupling gear coupling GC-112 (between integral pinion and gear box).

1.3. Loosening of plumber block of integral pinion.

1.4. Removal of integral pinion, pinion guard, pinion's plumber block etc.

1.5. Removal of manhole cover of ball mill at both sides.

1.6. Installation of jacking arrangement (provided by HCL/MCP) underneath the ball mill.

1.7. Removal of feed pipe of ball mill.

1.8. Removal of top cover of trunnion bearing housing.

1.9. Removal of oil scrapper ring of trunnion bearing housing.

1.10. Jacking up complete ball mill with the help of jacking arrangement.

1.11. Removal of hydraulic hoses attached to trunnion bearing.

1.12. Removal of installed trunnion bearing.

1.13. Installation of new trunnion bearing and ensure its proper sitting in the trunnion bearing housing.

1.14. Fitment of hydraulic hoses, oil scrapper ring, top cover of trunnion bearing housing.

1.15. Positioning back ball mill.

1.16. Fitment of feed pipe, manhole cover, of integral pinion, pinion guard, pinion's plumber block.

1.17. Alignment of integral pinion with girth gear (recommended tolerance back lash- 2.0-3.0 mm and root clearance 7-9 mm) or as directed by engineer in charge.

1.18. Trial.

1.1. In case after trial, abnormal sound/ vibration/ heating up of trunnion bearing is observed due to bad workmanship the same needs to be redone without adding any extra cost to HCL/MCP.

Item no- 02 (ERP code- 905435023)

Repair and Replacement of Morris pump (Mill discharge pump)

Jobs include:

1.1. Only after taking stud down/ clearance from electrical department job has to be executed.

1.2. Replacement of Suction Liner.

1.3. Replacement of Hub Liner.

- 1.4. Replacement of Impeller.
- 1.5. Repair and Replacement of bearing housing/ assembly.
- 1.6. Replacement of lantern ring, stuffing box etc.
- 1.7. Trial
- 1.8. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item no.3 (ERP code- 905435026)

Replacement of Motor above 30 H.P within concentrator plant premises:

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Decoupling said motor installed at site.
- 1.3. Removal of motor foundation bolts.
- 1.4. Transportation of motor power rating above 30 hp from site to ERS/ maintenance workshop as per direction of site in charge/ mechanical in charge.
- 1.5. Installation of new/ repaired motor as directed by electrical site in charge/ shift in charge.
- 1.6. Foundation bolt refitting.
- 1.7. Intimation to site in charge/ shift in charge/ electrical shift in charge for motor electrical connection.
- 1.8. Trial to check the direction.
- 1.9. Re-coupling of motor with proper alignment.
- 1.10. Trial.
- 1.11. In case after trial, abnormal sound/ vibration/ heating up of motor is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item no- 04 (ERP code- 905435027)

Repair and Replacement of SALA PUMP (Tailing disposable pump)

Jobs include:

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Replacement of Suction Liner.
- 1.3. Replacement of Hub Liner.
- 1.4. Replacement of Impeller.
- 1.5. Repair and Replacement of bearing housing/ assembly.
- 1.6. Replacement of lantern ring, stuffing box etc.
- 1.7. Trial
- 1.8. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 05 (item code- 905435031)

Repair and replacement of WILFLEY PUMP/ METSO pump model HR-150 (Rougher/ Scavenger pump)

Jobs include:

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Replacement of Suction Liner.

- 1.3. Replacement of Hub Liner.
- 1.4. Replacement of Impeller.
- 1.5. Replacement of inlet liner, expeller etc
- 1.6. Repair and Replacement of bearing housing/ assembly.
- 1.7. Replacement of lantern ring, stuffing box etc.
- 1.8. Trial
- 1.9. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 06 (item code- 905435052)

Repair and replacement of vertical sump pump

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Removal of V-belt guard of VSP.
- 1.3. Removal of V-belt.
- 1.4. Dismantling of discharge pipe line.
- 1.5. Removal vertical sump pump from its base/ foundation.
- 1.6. Removal of VSP from site and shifting to mechanical work shop as directed by engineer in charge/site in charge.
- 1.7. Installation of repaired/ new vertical sump pump.
- 1.8. Re-fitment of V-belt, proper tensioning of belt to be ensured.
- 1.9. Re-fitment of V-belt guard, discharge pipe line.
- 1.10. Trial
- 1.11. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.
- 1.12. Repair of VSP will include replacement of impeller, bearing housing, shaft, bearings, bearing sleeve, pulley, upper cage, lower cage, wear plate, casing, casing liner, oil seal etc. if found damage after consultation with engg-in charge/ site in charge mechanical, welding of shaft if found damage and re-assembly of complete vertical sump pump.

Item No- 07 (item code- 905435053)

Replacement of motor below 30 h.p.

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Decoupling said motor installed at site.
- 1.3. Removal of motor foundation bolts.
- 1.4. Transportation of motor power rating below 30 hp from site to ERS/ maintenance workshop as per direction of site in charge/ mechanical in charge.
- 1.5. Installation of new/ repaired motor as directed by electrical site in charge/ shift in charge.
- 1.6. Foundation bolt refitting.
- 1.7. Re-coupling of motor with proper alignment.
- 1.8. Intimation to site in charge/ shift in charge/ electrical shift in charge for motor electrical connection.
- 1.9. Trial.
- 1.10. In case after trial, abnormal sound/ vibration/ heating up of motor is observed (excluding electrical problem) the same needs to be redone.

Item No- 08 (ERP code- 905435054)

Replacement of bull gear

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Decoupling gear coupling GC-112.
- 1.3. Loosening cover bolts.
- 1.4. Removal of top cover of Ball Mill gear box.
- 1.5. Removal of bearing cover of bull gear.
- 1.6. Removal of bull gear.
- 1.7. Shifting bull gear from site to workshop as directed by site in charge/ engg. in charge.
- 1.8. Installation of new/ repaired bull gear as directed by site in charge/ engg. in charge.
- 1.9. Inspection and ensure of lubrication pipes of bull gear are firmly attached in its position.
- 1.10. Re- fitment of bearing cover of bull gear, top cover and re-coupling of gear coupling GC-112 and proper alignment.
- 1.11. In case after trial, abnormal sound/ vibration/ heating/ leakage from gear box is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 09 (ERP code- 905435055)

Replacement of integral pinion shaft

- 1.1 Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2 Decoupling input pinion shaft from gear box.
- 1.3 Removing plumber block cover and integral pinion from its base.
- 1.4 Cleaning of base plates, plumber block and compound from girth gear and pinion.
- 1.5 Leveling of base plate, checking of base bolts and tightening (if required). Positioning of new pinion shaft assembly and maintaining recommended backlash and root clearance.
- 1.6 Positioning of new/ repaired pinion with proper alignment with girth gear.
- 1.7 Alignment of pinion shaft with gearbox .If necessary, gear box to motor alignment is also to be done.
- 1.8 Coupling and tightening plumber block foundation bolt etc.
- 1.9 Trial
- 1.10 In case after trial, abnormal sound/ vibration/ heating from integral pinion or plumber box or gear coupling GC-112 is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 10 (ERP code- 905435506)

Replacement of pump below 60 hp at Water Treatment Plant

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Remove of coupling guard.
- 1.3. Decouple pump from motor.
- 1.4. Decouple discharge and suction pipe line.
- 1.5. Loosen pump foundation/ base bolts.
- 1.6. Remove complete pump from foundation.
- 1.7. Shifting of pump from water treatment plant to mechanical maintenance work shop at concentrator plant via truck/ TAT A 407/ as directed by engg. in charge.

- 1.8. Shifting of new/ repaired pump from mechanical work shop/ central store to water treatment plant via truck/ TATA 407/ as directed by engg. in charge.
- 1.9. Installation of new/ repaired pump as directed by engg. in charge/ site in charge/ shift in charge.
- 1.10. Foundation bolt tightening.
- 1.11. Re-coupling of motor with proper alignment.
- 1.12. Intimation to site in charge/ shift in charge/ electrical shift in charge for motor electrical connection.
- 1.13. Trial.
- 1.14. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 11 (ERP code- 905435507)

Replacement of pump above 60 hp at water treatment plant

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Remove of coupling guard.
- 1.3. Decouple pump from motor.
- 1.4. Decouple discharge and suction pipe line.
- 1.5. Loosen pump foundation/ base bolts.
- 1.6. Remove complete pump from foundation.
- 1.7. Shifting of pump from water treatment plant to mechanical maintenance work shop at concentrator plant via truck/ TATA 407/ as directed by engg. in charge.
- 1.8. Shifting of new/ repaired pump from mechanical work shop/ central store to water treatment plant via truck/ TATA 407/ as directed by engg. in charge.
- 1.9. Installation of new/ repaired pump as directed by engg. in charge/ site in charge/ shift in charge.
- 1.10. Foundation bolt tightening.
- 1.11. Re-coupling of motor with proper alignment.
- 1.12. Intimation to site in charge/ shift in charge/ electrical shift in charge for motor electrical connection.
- 1.13. Trial.
- 1.14. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 12 (ERP code- 905435508)

Replacement of cantilever pump

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Remove coupling guard.
- 1.3. Decouple pump from motor.
- 1.4. Removal of motor and shifting into motor stand.
- 1.5. Loosen pump foundation/ base bolts.
- 1.6. Decouple discharge pipe line.
- 1.7. Remove complete pump from foundation.
- 1.8. Shifting of pump from water treatment plant to mechanical maintenance work shop at concentrator plant via truck/ TATA 407/ as directed by engg. in charge.

- 1.9. Shifting of new/ repaired pump from mechanical work shop/ central store to site via truck/ TATA 407/ as directed by engg. in charge.
- 1.10. Installation of new/ repaired pump as directed by engg. in charge/ site in charge/ shift in charge.
- 1.11. Foundation bolt tightening.
- 1.12. Installation of motor.
- 1.13. Intimation to electrical department for electrical connection.
- 1.14. Trial to check the direction of motor.
- 1.15. Re-coupling of motor with pump.
- 1.16. Trial.
- 1.17. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 13 (ERP code- 905435509)

Repair and Replacement of vertical turbine pump

- 1.1. Only after taking stud down/ clearance from electrical department job has to be executed.
- 1.2. Remove coupling guard.
- 1.3. Decouple pump from motor.
- 1.4. Decouple discharge pipe line.
- 1.5. Removal of motor and shifting into motor stand.
- 1.6. Loosen pump foundation/ base bolts.
- 1.7. Removal of column pipes as well as intermediate shaft.
- 1.8. Removal of bowl assembly.
- 1.9. Removal of inter stage impeller
- 1.10. Remove complete pump from foundation.
- 1.11. Shifting of pump from water treatment plant to mechanical maintenance work shop at concentrator plant via truck/ TATA 407/ as directed by engg. in charge.
- 1.12. Shifting of new/ repaired pump from mechanical work shop/ central store to site via truck/ TATA 407/ as directed by engg. in charge.
- 1.13. Installation of new/ repaired pump as directed by engg. in charge/ site in charge/ shift in charge.
- 1.14. Replacement of intermediate spider, impeller shaft, intermediate shaft, impeller, bowl assembly, stuffing box assembly, motor shaft, nuts and bolts etc if found damaged after consultation with engg. in charge/ site in charge.
- 1.15. Fitment of inter stage impeller in the bowl assembly.
- 1.16. Fitment of bowl assembly with intermediate column pipe.
- 1.17. Fitment of intermediate column pipe with pump shaft.
- 1.18. Installation of complete pump on its foundation base.
- 1.19. Adjustment of ratchet assembly.
- 1.20. Fitment of discharge pipe line.
- 1.21. Installation of motor.
- 1.22. Coupling with motor and its alignment.

1.23. Foundation bolt tightening.

1.24. Intimation to electrical department for electrical connection.

1.25. Trial to check the direction of motor.

1.26. Re-coupling of motor with pump.

1.27. Trial.

1.28. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 14 (ERP code- 905435510)

Repair and replacement of reclaim pump of capacity 600m3/hr

1.1. Only after taking stud down/ clearance from electrical department job has to be executed.

1.2. Remove coupling guard.

1.3. Decouple pump from motor.

1.4. Loosen pump foundation/ base bolts.

1.5. Dismantle suction and discharge pipe line.

1.6. Removal of complete pump from foundation.

1.7. Shifting of pump from reclaim pond to mechanical maintenance work shop at concentrator plant via truck/ TATA 407/ as directed by engg. in charge.

1.8. Shifting of new/ repaired pump from mechanical work shop/ central store to site via truck/ TATA 407/ as directed by engg. in charge.

1.9. Installation of new/ repaired pump as directed by engg. in charge/ site in charge/ shift in charge.

1.10. Foundation bolt tightening.

1.11. Coupling of pump with motor with proper alignment.

1.12. Fitment of suction and discharge pipe line.

1.13. Trial to check the direction of pump.

1.14. Trial.

1.15. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

1.16. Repair of reclaim pump will include replacement of impeller, bearing housing, shaft, bearings, bearing sleeve, pulley, neck ring, sleeve, wear plate, casing, oil seal etc. if found damage after consultation with engg-in charge/ site in charge mechanical, welding of shaft if found damage and re-assembly of complete reclaim pump.

Item No- 15 (ERP code- 905435511)

Repair and Replacement of seal water pump

1.17. Only after taking stud down/ clearance from electrical department job has to be executed.

1.18. Remove coupling guard.

1.19. Decouple pump from motor.

1.20. Loosen pump foundation/ base bolts.

1.21. Dismantle suction and discharge pipe line.

1.22. Removal of complete pump from foundation.

1.23. Installation of new/ repaired pump as directed by engg. in charge/ site in charge/ shift in charge.

1.24. Foundation bolt tightening.

1.25. Coupling of pump with motor with proper alignment.

1.26. Fitment of suction and discharge pipe line.

1.27. Trial to check the direction of pump.

1.28. Trial.

1.29. In case after trial, abnormal sound/ vibration/ heating/ leakage of pump is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

1.30. Repair of reclaim pump will include replacement of impeller, bearing housing, shaft, bearings, bearing sleeve, pulley, neck ring, sleeve, wear plate, casing, oil seal etc. if found damage after consultation with engg-in charge/ site in charge mechanical, welding of shaft if found damage and re-assembly of complete reclaim pump.

Item No- 16 (ERP code- 905435512)

General inspection and maintenance of pump at concentrator plant

General inspection includes:-

- 1.1. Checking and tightening of loosen nuts and bolts.
- 1.2. Greasing of pump's assembly/bearing/ gear box oil top-up as per Annexure-B.
- 1.3. Replacing of seal water line hose/ gland if found damaged/worn out.
- 1.4. Checking and rectification of any misalignment found in the pump.
- 1.5. Making inspection report and submission of the same to Engg-in-charge.

Item No- 17 (ERP code- 905437001)

Repair of hydraulic jack (100t/200t)

Job includes:

- 1.1. Dismantling of hydraulic jack.
- 1.2. Replacement of oil seals, lever, pressure gauge, return value, hydraulic hose etc if found damaged.
- 1.1. Trial and load testing.
- 1.3. In case after trial, leakage in hydraulic jack is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 18 (ERP code- 905437002)

Repair of hydraulic pump (100t/200t)

Job includes:

- 1.2. Dismantling of hydraulic pump.
- 1.3. Replacement of oil seals, lever, pressure gauge, return value, washer, s ball, hydraulic hose etc if found damaged .
- 1.4. Trial and load testing.
- 1.5. In case after trial, leakage in hydraulic jack is observed due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 19 (ERP code- 905437003)

Repair of chain pulley (1t/2t/3t)

- 1.1. Dismantling of chain pulley.
- 1.2. Replacement of chain, sprocket, chain cover, gear, washer, and spring etc if found damaged.

1.3. Trial and load testing.

1.4. In case after trial, if chain block fails in load testing, due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 20 (ERP code- 905437004)

Repair of max puller (1t/ 2t)

1.1. Dismantling of max puller.

1.2. Replacement of chain, sprocket, gear, lever, sling, washer, and spring etc if found damaged.

1.3. Trial and load testing.

1.4. In case after trial, if chain block fails in load testing, due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Item No- 21 (ERP code- 905437004)

Repair of chain pulley (5t/10t)

1.1. Dismantling of chain pulley.

1.2. Replacement of chain, sprocket, gear, chain cover, washer, and spring etc if found damaged.

1.3. Trial and load testing.

1.4. In case after trial, if chain block fails in load testing, due to bad work men ship the same needs to be redone without adding any extra cost to HCL/MCP.

Supervisor's Scope of Work

1. Supervisor will report site in-charge at 8.00 AM on working day and on Sunday / Public holiday call on duty.

2. As per quantum of jobs received from engineer in-charge/ site in-charge, Contractor's supervisor will allocate their man and material as well as maintaining the safety aspects.

3. Supervisor will maintain daily log book register, attendance register, and preventative maintenance record book as prescribed by engineer in-charge and has to produce to before engineer in- charge on demand.

Facilities required with the Contract Maintenance Group.

1.1. Each group should have a mobile phone with their supervisor always in working condition.

1.2. All workers should enter the respective areas with proper uniform.

1.3. All the workers should be equipped with PPEs as per HCL/MCP standards required according to the jobs.

1.4. The party should supply all the PPEs to their workers in regular time.

1.5. Party will be penalized if any of his worker found without proper PPEs or sub-standard PPEs as per HCL/MCP rule.

1.6. Each group should be equipped with all tools, tackles and measuring equipments all the time.

1.7. The Party will be penalized in case of delay in jobs due to arrangement of tools and tackles. Tools and tackles should be according to the HCL/MCP standard with valid test certificate.

Tools and Tackles

1.1. Separate tools, tackles and measuring equipment are required for each group. Party has to submit test certificate of his tools, tackles and calibration certificate for measuring tools to the department before using it in the job.

1.2. It is party's responsibility to update the status of the tools, tackles and measuring equipment. The Party has to keep tools and tackles set in the selected junction houses also to minimize the down time.

1.3. The party should arrange HCL/MCP welding machine in main junction houses to perform the job easy and quick.

NOTE: -

1. For all items special electrodes (except M.S. electrode), welding transformer & pump spares shall be given free of cost by HCL/MCP.

1.1. EOT, Escort Crane or Truck will be provided subjected to its availability.

1.1.1. The contractor shall visit the site and understand safety hazards and safety measures to be taken while executing jobs as per the scope of work and the actual site conditions before submitting the quotation.

1.1.2. The contractor shall comply with the company's present safety rules and regulation as well as with the new regulations issued by the company from time to time. By accepting this work order, the contractor undertakes that it fully aware of the safety norms and requirement for the job / services to be executed by it and shall take all necessary steps in that regard. The contractor and its employees will put on all prescribed Personal Protective Equipments (such as safety shoes, helmets, hand gloves, safety belts, safety goggles, gas mask and all other safety appliances etc.) while working inside the plant and also in its vicinity and such Personal Protective Equipment (PPEs) must be as per company's standard.

1.1.3. The cost of the PPEs will be borne by the contractor and the same shall not be recovered from the employee. Any violation found will be dealt firmly by HCL/MCP.

1.1.4. All requirements of safety such as coupling guards, belt, pulley and chain guards, screens and protection railings etc., shall be provided by the contractor for his erection equipment. Such guards shall have normally hinged cover for inspection.

1.1.5. The contractor shall depute adequate number of supervisors for the complete supervision of the jobs. The supervisors/ site engineers of the contractors must have undergone the one-day safety program. No person shall be deployed at work place / site without safety induction training.

2. PENALTY: -

2.1. Time is the essence of the contract any deviation from the stipulated period of completion of the job will attract penalty.

2.2. For the delay of first four hours of part thereof then the stipulated period for completing the job of the particular job, the penalty will be 30% of the value of the job done. More than 8 hours penalty will be 40% and so on. Here commencement/starting of job will be taken from the shut down time.

Delay (in Hrs) for completion of job as per scope of work	Penalty (% of the value of particular job)
4 hrs	20%
6 hrs	30%
8 hrs	40%
10 hrs	50%
12 hrs	60%
14 hrs	70%
More than 16 hours	contract will be liable for termination

2.3. The parties agree that this is a genuine pre-estimate of loss/ damage which will be suffered on account of the breach/delay on the contractor's part and the said amount will be payable on demand without there being any proof of the actual loss of damages caused by such delay/ breach of contract.

2.4. On violation of clause-15 i.e. *compliance of labour laws and safety regulations*, penalty will be imposed 5% of the total value of contract subjected to maximum of 10%.

ANNEXURE

List of Tools and Tackles

S.No	Description	Size	IS code
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1	Gas Cutting Torch		IS 7653
2	Oxygen regulator		IS 6901
3	DA regulator		IS 6901
4	Welding Holder		IS 2751
5	Welding Helmet/ screen		IS 9417
6	DE open spanner set (6 to 32mm) - 12 Number		IS 2028-2004
7	Double End spanner - chrome plated	size- 30/ 32	IS 2028-2004
8	Double End spanner - (Ribbed) chrome plated	size- 32/ 36	IS 2028-2004
9	Double End spanner - (Ribbed) chrome plated	size- 36/41	IS 2028-2004
10	Double End spanner - (Ribbed) chrome plated	size- 41/ 46	IS 2028-2004
11	Double End spanner - (Ribbed) chrome plated	size- 46/ 50	IS 2028-2004
12	Single End Spanner - Open Jaw spanner	size- 36 mm	IS 2028-2004
13	Single End Spanner - Open Jaw spanner	Size- 38 mm	IS 2028-2004
14	Single End Spanner - Open Jaw spanner	size- 41 mm	IS 2028-2004
15	Single End Spanner - Open Jaw spanner	size- 46 mm	IS 2028-2004
16	Single End Spanner - Open Jaw spanner	size- 50 mm	IS 2028-2004
17	Single End Spanner - Open Jaw spanner	size- 55 mm	IS 2028-2004
18	Single End Spanner - Open Jaw spanner	size- 60 mm	IS 2028-2004
19	Single End Spanner - Open Jaw spanner	size- 65 mm	IS 2028-2004
20	Single End Spanner - Open Jaw spanner	size- 70 mm	IS 2028-2004
21	Single End Spanner - Open Jaw spanner	size- 75 mm	IS 2028-2004
22	Screw Driver	Blade length 200mm, blade dia- 6 mm	IS 844-1979
23	Screw Driver	Blade length 250mm, blade dia- 6 mm	IS 844-1979
24	Screw Driver	Blade length 300mm, blade dia- 10 mm	IS 844-1979

25	Allen Key Set- Black Finish	size (1/16" to 3/8")	IS 3082-1988
26	Allen Key Set- Black Finish	size (1.5 mm to 10mm)	IS 3082-1988
27	Allen key	12 mm	IS 3082-1988
28	Allen key	14 mm	IS 3082-1988
29	Heavy Duty pipe wrench	Length 300, max opening 62	IS 4003 part-II
30	Heavy Duty pipe wrench	Length 600, max opening 95	IS 4003 part-II
31	Socket 1 inch drive - heavy Duty	size- 36 mm	IS 7381-1986
32	Socket 1 inch drive - heavy Duty	Size- 38 mm	IS 7381-1986
33	Socket 1 inch drive - heavy Duty	size- 41 mm	IS 7381-1986
34	Socket 1 inch drive - heavy Duty	size- 46 mm	IS 7381-1986
35	Socket 1 inch drive - heavy Duty	size- 50 mm	IS 7381-1986
36	Socket 1 inch drive - heavy Duty	size- 55 mm	IS 7381-1986
37	Socket 1 inch drive - heavy Duty	size- 60 mm	IS 7381-1986
38	Socket 1 inch drive - heavy Duty	size- 65 mm	IS 7381-1986
39	T handle for 1 inch drive Socket	T handle	IS 7975
40	Chain Block - Heavy Duty	1 Ton	
41	Chain Block - Heavy Duty	2 Ton	
42	D- shackle	5 Ton	
43	D- shackle screw pin	3 Ton	
44	Manila Rope	1 Roll of length 6 meters	IS 1084
45	Hex-saw Blade		
46	Sling rope	12mm or 1/2 inch dia X 3 meters	
47	Sling rope	12mm or 1/2 inch dia X 5 meters	
48	Hammer	2 Kg	
49	Sledge Hammer	5 Kg	
50	Flat File 1 set	(Bastard, 2nd Cut, Smooth)	
51	Round File 1 set	(Bastard, 2nd Cut, Smooth) size- 150 mm	

52	Circlip Pliers PVC dip coated sleeve	External, length 300 mm	IS 7989-1976
53	Circlip Pliers PVC dip coated sleeve	Internal, length 198 mm	IS 7989-1976
54	Adjustable Spanner	Length 606, max opening 62	IS 6149-1984
Measuring Instrument			
1	Measuring Taper	3 meters	

List of Safety gear and appliance

S.No	Description	Specification
1	Safety Helmet	IS 2925-1984
2	Safety Shoe	IS 11226-1993
3	Safety Belt	IS 3521-1999
4	Safety Goggles	
5	Ear Plug	IS 10386-1982
6	Hand Glooves	
7	Flash Back arrester for Oxygen and DA	
8	Dust Mask	

1. Contractor has to keep minimum three set of mentioned above tools and tackles and to be made available to labors engaged in general and cyclic shifts i.e. A, B and C.
2. It is contractor's representative responsibility to update the status of the tools and tackles.
3. Contractor has to keep tools and tackles set in the selected junction houses also to minimize the down time.

अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.

8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Any ATC clause in contravention with GeM GTC Clause 4 (xiii)(h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
16. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
17. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the [सामान्य नियम और शर्तें/General Terms and Conditions](#), conditions stipulated in Bid and [Service Level Agreement](#) specific to this Service as provided in the Marketplace. However in case if any condition specified in सामान्य नियम और शर्तें/General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला

सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---