



RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
(A Govt. of India Enterprise)
W08 - K V RAMANA RAO

WORKS CONTRACTS DEPT, VISAKHAPATNAM STEEL PLANT,
VISAKHAPATNAM - 530031, ANDHRA PRADESH -
INDIA

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NOTICE INVITING TENDER (NIT)

NIT TYPE: 2-PRT % BID E-RFX

VSP/1200/JC/2019/00034

NIT NUMBER & DATE: 2600003389 Dated 07.01.2019

OPEN TENDERS IN THE PRESCRIBED FORM ARE INVITED FROM THE REPUTED / EXPERIENCED TENDERERS FOR THE FOLLOWING

1. NAME OF THE WORK:

"Electrical Maintenance of Cranes / Hoists in SMS-2 (2019)".

2 KEY INFORMATION:

Type of Bid	Type of Submission	EMD in INR	Submission Dead Line date & time in	Bid Opening Date & time in Hours
TWO PART BID	E BID	1,75,000.00	10.02.2019 15:00	10.02.2019 15:30

1. CONTRACT PERIOD: 12 (Twelve) Months
2. DEFECT LAIBILITY PERIOD: 03 (Three) Months
3. ENGINEER I/c: AGM (E) / SMS-2
4. ESTIMATION COST: Rs.1,56,85,184.71ps
5. SMA & ASMA applicable for this contract

3 OFFER VALIDITY DATE:

Your offer should be valid upto 09.06.2019.

4 CURRENCY:

INR.

5 ELIGIBILITY/EXPERIENCE CRITERIA :

Single Similar Work Order Value in INR	Annual Turnover in INR
7842592.35 (78.42 Lakhs)	4705555.41 (47.05 Lakhs)

I) "Agencies Shall have experience in Electrical Maintenance work in any Integrated Steel plant OR Process industry OR Manufacturing Industry " shall only be considered

(SINGLE SIMILAR WORK FOR PQC REQUIREMENT PLEASE SEE ATTECHMENT OF NIT)

6. NATURE & SCOPE OF WORK:

7 ITEM DETAILS/BOQ:

8 LIST OF TENDER DOCUMENTS:

This document along with those available in cFolders as below, constitute the complete Tender (NIT)

1. RFx . No. 2600003389 SCHEDULE (NOTICE INVITING TENDER, SCOPE OF WORK, TERMS & CONDITIONS, ADDITIONAL SPECIAL CONDITIONS , INTEGRITY PACT, BILL OF QUANTITIES, SPECIAL CONDITIONS OF CONTRACT)
2. UNDERTAKING LETTER
3. PRE-QUALIFICATION REQUIREMENTS

9 E-RFX SUBMISSION PROCEDURE - 2 PART:

RINL is employing SAP SRM 7.0 for Electronic Tendering System. E-RFx Response to be submitted electronically through System only. No physical paper/print needs to be submitted. Bidders need to have UserID and Password to participate in SRM E-Tenders. All enlisted vendors of RINL would be provided User ID and password for participating in RINL E-Tenders. If a Bidder who wish to participate is not presently enlisted with RINL or not having User ID Password can obtain the same through Registration of Suppliers (RoS) system by providing requisite details well before the RFx Submission deadline. Bidders to go through the User Manual of RoS system available in SRM Portal for detailed steps for obtaining User ID & Password.

In 2-Part E-RFx, Technical RFx Response is uploaded to PQC/Tech RFx cFolder and Price RFx is quoted in Bidding Engine. E-Tendering User Manual available in SRM Portal contains the procedure participating in RINL E-Tenders.

Bidders to ensure the following before submitting the 2-Part E-RFx Response

- a. All Mandatory questions are answered and Requisite documents are uploaded into PQC cFolder including the EMD Submission proof.
- b. All Techno-Commercial documents required as per tender document are uploaded into "Tech RFx" cFolder.
- c. Prices and Taxes (Conditions) are quoted in the bidding engine.

Then upon ensuring confirmation of RFx response is complete and contains no errors, RFx Response to be Submitted.

Bidders to ensure that E-RFx Response submission is done before "Submission deadline date & Time" indicated in the NIT Key information at 2 above. RFx can be "withdrawn" and modified as long as "Submission deadline date & Time" is not over. RFx Response cannot be modified once Submission deadline time passed.

10 E-RFX OPENING PROCEDURE - 2 PART:

E-RFx Responses are opened in the system Electronically.

System allows opening of RFx responses only after the specified date and Time as indicated at 2 Key information above. Authorized Tender opening officers through the process of "Simultaneous Log-on" shall open the RFx Responses in System.

For 2-Part E-RFx first "PQC" & "Tech RFx" cFolders are opened in the system through Simultaneous Log-on Process. Then Price RFx responses will be opened on a specified Date & Time through Simultaneous Log-on process for Techno-Commercially Accepted Responses on intimation to Bidders.

11 DOCUMENTS TO BE UPLOADED IN TECH BID C FOLDER:

SMS-2 / RFx No 2600003389

A) For Earnest Money Deposit: Agencies to transfer the Earnest Money to the Account No. 915020053600067 of Axis Bank Ltd., payable at Gajuwaka Branch (Branch Code 075). The IFSC Code is UTIB0000075 and SWIFT Code is AXISINBB075.

CASH DEPOSITS TOWARDS EARNEST MONEY DEPOSIT (EMD) IN THE ABOVE SAID AXIS BANK WILL NOT BE ACCEPTED AND SUCH OFFERS WILL BE REJECTED.

(i) Agency has to indicate the Bank UTR Numbers (NEFT Transaction Id Numbers) of Earnest Money Deposit (EMD) in the Questions tab section which is mandatory.

If the agency seeks exemption from submission of EMD, the agency needs to submit the following:

- (i) District Industries Centre [Acknowledge of Entrepreneur Memorandum ie. EM (Part # II)
- (ii) Khadi and Village Industries Commission
- (iii) Khadi and Village Industries Board
- (iv) Coir Board
- (v) National Small Industries Corporation (NSIC)
- (vi) Directorate of Handicrafts Handloom
- (vii) Any other body specified by Ministry of MSME

B) Statutory Documents to be submitted, wherever required

i) Electrical License (For Electrical contracts) Agencies having valid Electrical license issued by any State Licensing Board / Authority will only be considered

ii) Boiler License (For cases wherever required) Agencies should have boiler repair license, Category-1 issued by the Directorate of Boilers, Andhra Pradesh

iii) Competency Certificate issued by Director of Factories, AP

For Persons competent to carry out Inspection & Certification of Lifting Equipments, Pressure Vessels and Elevators etc

VSP reserves the right to reject the offer in case the required documents are not submitted.

12 E-RFX EVALUATION PROCESS:

(a) Pre-qualification evaluation shall be done based on the documents submitted by the bidders in PQC & Tech RFx cFolders.

(b) All the RFxs shall be evaluated on the basis of landed cost only which includes all taxes and duties but excluding Goods & Service Tax (GST).

(c) TAL1 (Technically accepted L1) price arrived by the system shall follow automatically to Auction document as start bid price for all cases of Reverse Auction and will be visible in the system only after the start time of Live Auction (E-Reverse Auction).

(d) On completion of Live Auction, composite comparative statement is generated by the system considering the RFx Prices and Reverse Auction Prices. Placement of Order shall be considered on the L-1 price so arrived.

(e) Notwithstanding anything specified in this tender documents, RINL, in its sole discretion, unconditionally and without having to assign any reason, reserves the following rights:

- (i) To reject the response whose performance is poor in awarded / ongoing works if any.
- (ii) To give purchase preference to Public Sector Undertakings wherever applicable as per Government Policy / Guidelines
- (iii) To extend purchase preference to Local MSEs (Micro & Small Enterprises) as per prevailing guidelines of RINL subject to submission of documents as stipulated in Detailed Terms & Conditions of NIT.

13 REVERSE E-AUCTION PROCESS:

RINL shall have the option of resorting to reverse e-auction on SAP SRM LIVE AUCTION PLATFORM. All technically and commercially acceptable bidders would be required to participate in the reverse e-auction and quote from a start Price. In reverse e-auction the bidders would be required to quote prices on the basis of landed cost but excluding GST. Definition of key terms for RINLs SAP SRM Live-auction (E-Reverse Auction) user manual is available in SRM Portal. No separate User ID and Password is required for participating in Live Auction. User ID and Password used for Participating in E-Tendering to be used for Live Auction also.

14 GENERAL INSTRUCTIONS:

- 1) The documents submitted by the tenderers in respect of pre-qualification evaluation criteria are final and no further correspondence / clarifications / submissions in this regard shall be entertained.
- 2) Scope of work, Bill of Quantities (BOQ), Terms and Conditions, given in the tender documents (placed in the cFolder Publisher area) is final. On verification, at any time, whether the tenderer is successful or not, if any of the documents submitted by the tenderer including the documents downloaded from our website are found tampered / altered / incomplete, they are liable for actions like rejection of the tender, cancellation and termination of the contract, debarring etc., as per the rules of the company.
- 3) It will be presumed that the tenderers have gone through the General Conditions, Special Conditions and Instructions to tenderer etc., of the contract available in the website which shall be binding on him / them.
- 4) The tenderer shall download the NIT documents etc (TENDER SCHEDULE) available in Tech RFx cFolder Publisher Area on the RINLs SRM Portal in totality and upload the same along with the Undertaking letter in Tech RFx cFolder.
- 5) The bidder shall be governed by the General Conditions of Contract of Supply which is available on VSPs website which can be freely accessed and downloaded.
- 6) Tenders submitted against the NIT / Tender shall not be returned in case the tender opening date is extended / postponed. Tenderers desirous to modify their offer / terms may submit their revised / supplementary offer(s) within the extended TOD.
- 7) (i) Tenderers shall submit GST Registration Certificate under GST act if available. If not available successful tenderer shall produce Registration Certificate under GST Act, wherever applicable, before signing the Work Order / Letter of Acceptance and submit a copy of the same.
(ii) Tenderers shall submit the PF Registration Certificate if available, if not available successful tenderer shall submit PF Registration Certificate before commencement of the work.
- 8) VSP after opening of tender/bid document may seek in writing, documents/ clarifications which are necessary for evaluation of tender / bid document from the Tenderers/ bidders or issuing authority for confirmation of eligibility/ pre-qualification stipulated in the NIT.
- 9) If it comes to the notice of VSP at any stage right from request for registration/ tender document that any of the certificates/ documents submitted by applicant for registration or by bidders are found to be false/ fake/ doctored, the party will be debarred from participation in all VSP tenders for a period of 05(FIVE) years including termination of contract, if awarded. E.M.D/ Security Deposit etc., if any will be forfeited. The contracting agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation anywhere in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D./ Security Deposit, if any, and recovery of risk and cost charges etc., Decision of V.S.P Management will be final and binding.
- 10) The date of opening of the PQC and Tech RFx response shall be the date of tender opening.
- 11) Successful tenderer should be in a position to produce, after opening of the price bids, the Original Certificates in support of the attested copies of relevant documents submitted along with tender document. Failure to produce the original certificates at this stage in support of the attested copies of Electrical License/ any other documents etc. submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in VSP tenders.
- 12) RINL will not be responsible for any delay/ loss/ any website related problems in downloading the tender documents etc. RINL reserve the right to (A) Split and award the work to more than one agency, (B) Reject any or all the tenders or to accept any tender wholly or in part or drop the proposal of receiving tenders at any time without assigning any reason there of and without being liable to refund the Tender fee thereupon.

SD/-

K V RAMANA RAO

1 INSTRUCTIONS TO TENDERERS:

1) Tender shall be submitted in the prescribed form issued by VSP in the RINL SRM Portal, Government Portal. The Tender documents issued are not transferable. Tender documents downloaded shall be submitted wholly without detaching any part.

2) The Tenderer shall agree to VSPs terms and conditions, specifications/ scope of work, etc., and quote their Total Amount in figures only. Tender shall be for the entire scope of work mentioned in the tender documents.

3) Price condition: Tenderers shall quote the price of the goods or services, excluding GST. Applicable GST shall be indicated against each item and will be paid extra on submission of tax invoice.

In case tenderer opted for composition scheme, GST will not be charged extra and the price quoted includes the GST applicable to composite scheme. Tenderers have to specify that they have opted for composition scheme and GST is included as applicable for composition.

Evaluation criteria:

1. In case of supply of goods or services on which RINL / VSP is eligible to avail GST input Tax Credit, evaluation of tender shall be on the basis of landed cost excluding GST.

2. In case of supply of goods or services on which the employer (RINL/VSP) is not eligible to avail GST input tax credit, the applicable GST payable by RINL/VSP (in case of unregistered taxable supplies) or GST to be charged by the registered taxable supplier as applicable, shall be added to the landed cost for evaluation purposes.

4) If by any reason the tender opening is postponed to any other date, the same will be placed in RINLs SRM Portal and in the Notice Board at Works Contracts Department. Tenderers shall see the SRM Portal / Notice Board regularly and keep themselves informed in this matter.

5) Before quoting, the tenderer shall necessarily contact the Engineer and fully understand the job, scope of work, unit of measurement, mode of measurement, scope of supply of materials by VSP if any, working conditions, shutdown arrangements, Labour deployment requirements, risk contingencies and such other factors which may affect their tender.

6) Tenders shall be kept open for acceptance for a period 4 (Four) MONTHS from the date of opening of tender.

7) Corrections/ amendments/ replacement to/ of the Deficient documents / Financial Instruments for EMD shall not be sought in the following cases where:

- i) There is evidence of Tampering/ Unauthorized correction.
- ii) The value of Financial instrument(s)/ document(s) is falling short of the value stipulated in the NIT.
- iii) The Validity of the BG(s) as on Initial TOD is falling short of the minimum Validity period stipulated in the tender.
- iv) Discrepancy exists in the name of Payee/ Beneficiary.
- v) The Bidder fails to submit EMD or submission of UTR No./ Receipt No.

2 EMD SUBMISSION PROCESS:

1) In case of Earnest Money Deposit being less than or equal to Rs. 5 Lakhs, Earnest Money Deposit shall be by means of NEFT. No other mode of payment will be accepted. However, in case EMD exceeds Rs.5 Lakhs, tenderers have the option to submit the same in the form of Bank Guarantee (In the format as enclosed to the GCC) from any Scheduled Commercial Bank, encashable at Visakhapatnam. Bank Guarantees shall be valid for a minimum period of 04(Four) months from the Bid opening date. The above shall supercede the instructions regarding Form of EMD elsewhere in the tender document.

2) Public Sector Enterprises of State / Central Government Undertakings are exempted from submission of Earnest Money Deposit (EMD) provided they submit a letter requesting for exemption from submission of EMD along with their offer.

3) EXEMPTIONS / PREFERENCES FOR MICRO AND SMALL ENTERPRISES:

1. Micro and Small Enterprises (MSEs) are exempted from submission of Cost of Tender Documents / Tender Processing Fee (CTD), Earnest Money Deposit (EMD), and Security Deposit (SD), irrespective of whether the service is to be carried out within or outside their premises subject to submission of proof of enlistment / registration with any of the following agencies:

- (i) District Industries Centre [Acknowledge of Entrepreneur Memorandum ie. EM (Part # II)
- (ii) Khadi and Village Industries Commission
- (iii) Khadi and Village Industries Board
- (iv) Coil Board
- (v) National Small Industries Corporation (NSIC)
- (vi) Directorate of Handicrafts Handloom
- (vii) Any other body specified by Ministry of MSME

Note:

(a) Tender documents are uploaded in the websites (www.vizagsteel.com; www.pubtenders.gov.in; <http://eprocure.gov.in>) and are to be downloaded from there only.

(b) The Micro and Small Enterprises registered for the particular trade/items for which the tender is relevant, would only be eligible for exemption.

(c) As regards Security Deposit (SD) exemption, the MSEs shall be required to submit a #Performance Guarantee Bond# of requisite value in the prescribed pro-forma in lieu of Security Deposit. It may be noted that waiver of SD is permitted only up to the monetary limit as specified in the proof of enlistment for which the unit is registered.

2. Preference to MSEs shall be considered under the following conditions:

- (i) When the work is to be awarded to more than one tenderer, as stated in NIT.
- (ii) In such cases the package size / value is pre-decided and indicated in the NIT.
- (iii) MSEs shall have valid enlistment / registration with specified agencies (as above), in relevant category. The successful tenderer should ensure that the same is valid till the end of the contract period.
- (iv) The offer / bid of MSE shall be within the price band of L1 +15% and upon their matching with the final negotiated price of (L1 being other than MSE).

On fulfilling the above conditions, the eligible MSEs shall be considered for award of the rest of the package(s) (after negotiating the final L1 price) of aggregate value not less than 20% of the total tendered value, in the order of their ranking in the bid. In case there are more than one eligible MSEs with one or more owned by scheduled caste and scheduled tribe entrepreneurs, package(s) not less than 4% of the tendered value shall be considered for awarding to MSEs owned by SC and ST Entrepreneurs. The preferential award of work shall cease once the limit of 20% of tendered value is attained. Further allotment / award would be based on inter-se ranking of the rest of the tenderers other than who are already considered for allotment/award of package, subject to their matching with the final L1 negotiated price.

4) EMDs of unsuccessful tenderers will be refunded after reasonable time without interest.

PRE-QUALIFICATION REQUIREMENT

The following are the pre-qualification requirements to be uploaded in Techbid c folder by the tenderer.

- (a) Copy of registration letter issued by V.S.P. in case of registered agencies and in case of non-registered agencies, either a copy of Notarized sole proprietorship OR a copy of Notarized partnership deed OR a copy of Memorandum of Association & Articles of Association, along with certificate of registration – whichever is applicable.
- (b) For Turn Over Audited balance sheets certified by Practicing Chartered Accountant with Stamp & Membership No. in case the annual Turn-over is more than Rs.100.00 Lakhs (OR) in case of Turn-Over being less than Rs.100.00 lakhs either Turn-over certificate in the prescribed format of VSP duly signed by a practicing Chartered Accountant/Cost Accountant with Stamp and Membership No. (OR) T.D.S. certificate(s) comprising of the Gross bill values issued by the Deductor(s) for the work done.
- (c) Copy of Provident Fund Registration Certificate if available. If not available, successful tenderer shall submit PF Registration Certificate before commencement of the contract to Engineer Incharge.
- (d) Copy of **GST Certificate** if available. If not available, the same shall be submitted before signing the order.

SINGLE SIMILAR WORK EXPERIENCE REQUIREMENT

I) “Agencies Shall have experience in Electrical Maintenance work in any Integrated Steel plant OR Process industry OR Manufacturing Industry “ shall only be considered

II) Agencies shall have valid B-Grade Electrical License issued by any state Licensing Board/Authority “shall only be considered.”

INTEGRITY PACT:

- a) Tenderers are required to unconditionally accept the “Integrity Pact” enclosed to the tender document and shall submit the same duly signed along with their offer. Offer of the tenderers received without Integrity Pact duly signed, shall not be considered.
- b) The External Independent Monitors (EIM) is Sri Siva Prasad Rao, Sri VVR Sastry & Sri PK Vijaya kumar. The bio-data of Sri Siva Prasad Rao, Sri VVR Sastry & PK Vijaya kumar are available in VSP website.
- c) The Nodal Officer is Sri B. Biswas, GM (MM), VSP. He can be contacted at Phone No. 08331016229 and at e-mail bbiswas@vizagsteel.com.

The value of **single Similar work executed** shall be during the last **07 (Seven)** years ending last day of month previous to Tender Notice date i.e: **31.12.2018** and Turnover shall be the average Annual Financial Turnover during the last three years ending 31st March of the previous financial year i.e.**31.03.2018**. The tender document shall be accompanied with copies of Work Order, Bill of Quantities, Work Completion Certificate indicating the total value of the work done inclusive of all deviations and escalations against the subject work and including all taxes & duties, but excluding **Goods & Service Tax (GST)**. In case of work executed outside VSP, and where the total amount includes **GST**, tenderers shall make efforts to get the value of **GST** indicated separately in the Work Completion Certificate.

In case of work-in-progress, **Work-in-progress Certificate** indicating start date as per Order and actual start date & value of work executed with date up to which it is considered against the subject work and including all taxes and duties, but excluding **Goods & Service Tax (GST)** with certification of satisfactory performance of the Contractor to that extent and continuance of the said work by the respective employer.

VSP reserves the right to reject the offer in case the above documents are not enclosed along with the offer. The authorized representative of the tenderer shall sign on all the copies of the documents submitted along with the tender document.

SPECIAL CONDITIONS OF CONTRACT

1. **GENERAL :** The special conditions of the contract (SCC) are complementary to and shall be read in conjunction with General Conditions of Contract (GCC) of VSP for works contracts. Scope of work, Bill of Quantities and other documents form part of the Tender Documents. In case of any conflict of meaning between SCC & GCC, provisions of SCC shall over ride the Provisions of GCC.
2. Visakhapatnam Steel Plant reserves the right to accept or reject the lowest or any other tender without assigning any reason and the work may be awarded to one of the Tenderers or to more than one tenderer.
3. The contract shall be treated as having been entered into from the date of issue of the letter of intent/work order to the successful tenderer, unless otherwise specified.
4. **WATER, POWER AND COMPRESSED AIR:** Unless otherwise specified to the contrary in the tender schedule, the contractor is entitled to use in the work such supplies of water, power and compressed air (Basing on availability) from VSP's sources from approved tapping points, free of cost. The contractor shall make his own arrangement for drawing the same to the work spot.
5. **The successful tenderer shall produce GST Registration Certificate under GST Act, before signing the Work Order / Letter of Acceptance and submit a copy of the same. If the agency is unregistered / composition scheme declaration shall be submitted.**
6. Immediately on receipt of work order, the successful tenderer shall obtain and submit the following documents to the Engineer with a copy to ZPE/Manager (Pers)/CLC before start of work.
 - a(i) **ESI registration certificate with the contractor's Code no. covering all the workmen under ESI Scheme, which shall be effective from the date of start of contract and cover for the entire period of contract including extended period/defect liability period, if any.**
 - a(ii) **Insurance policy for payment of exgratia amount of Rs.5,00,000/- (Rupees Five lakhs only) per head in case of fatal accidents while on duty, to the contract labour engaged by him in addition to the coverage under ESI Scheme / Workmen Compensation Insurance Policy whichever is applicable. As and when a fatal accident takes place while on duty along with the benefits under the ESI Scheme / Workmen Compensation, whichever is applicable, the contractor is required to pay the ex-gratia amount within 30 (Thirty) days from the date of accident to the legal heir of the deceased. In case of any delay in paying the ex-gratia amount as above, the Employer has the right to pay such amount directly to the legal heir of the deceased and recover the same from the contractor's running / future bills. This insurance policy is to be taken by the contractor over and above the provisions specified under Clause No. 6.13 (Third Party) and 6.14 (ESI Act) of the General Conditions of Contract.**
 - a(iii) **Copy of the policy for third party insurance as stipulated in Clause 6.13 of the GCC.**
 - b) **Labour License obtained from Assistant Labour Commissioner (Central), Visakhapatnam.**
 - c) **PF Registration Certificate issued by PF Authorities**
 - d) **Safety clearance from Safety Engineering Department of VSP.**
7. The contractor shall submit wage records, work commencement/completion certificate etc. and obtain necessary clearance from Contract Labour Cell of VSP for bills clearance.
8. The contractor shall ensure strict compliance with provisions of the Employee's Provident Fund Act, 1952 and the scheme framed there under in so far as they are applicable to their establishment and agencies engaged by them. The contractor is also required to indemnify the employer against any loss or claim or penalties or damages whatsoever resulting out of non-compliance on the part of the contractor with the provisions of aforesaid act and the schemes framed there under. A copy of the provident fund membership certificate/PF CODE number shall be submitted by the contractor.
9. The contractor shall follow the provisions of Indian Factories Act and all rules made there under from time to time as applicable and shall indemnify the employer against all claims of compensations under the provisions of the act in respect of workmen employed by the contractor in carrying out the work against all costs, expenses and penalties that may be incurred by the employer in connection therewith.

10.
 - a) Total amount quoted shall be inclusive of all taxes, levies, duties, royalties, overheads and the like but excluding GST prevailing as on the date of submission of bids.
 - b) During the operation of the contract if any new taxes/duties/levies etc are imposed or rates undergo changes, as notified by the Government and become applicable to the subject works, the same shall be reimbursed by VSP on production of documentary evidence in respect of the payment of the same. Similarly benefits accruing to agency on account of withdrawal/reduction in any existing taxes and duties shall be passed on to VSP.
 - c) Supplier of Services / Goods shall comply with the GST provision as prescribed. In case of failure to comply with the GST provision by the Supplier thereby RINL could not obtain GST-ITC or ITC is reversed with interest at a later date the equivalent amount of ITC lost including interest paid, if any, to GST Authorities shall be recovered from the immediate payment due to the supplier of service.
 - d) The prices are exclusive of GST. RINL-VSP will pay GST as applicable on submission of Tax Invoices in accordance with Rule 46 of GST Rule 2017. The contractor will be paid GST by RINL-VSP along with monthly RA bills. The contractor will, in turn, submit the documentary evidence in support of payment of GST of each month along with subsequent month RA Bills. The Supplier/Contractor shall upload the details of Invoices issued by him in the monthly return (GSTR-1) of the month in which Tax Invoices are raised to enable RINL to claim Input Tax Credit under GST. Otherwise, Payment of GST will not be made.
11. **ADVANCE:** No advance of any sort will be given by VSP.
12. **PAYMENT TERMS:** Payment will be made monthly on recommendations of the Engineer basing on the quantities executed, at accepted rates.
13. **MEASUREMENTS:** The contractor shall take measurements jointly with the Engineer or his representative and keep joint records for the same. Bills shall be prepared and submitted by the contractor basing on agreed measurements.
14. **INITIAL SECURITY DEPOSIT (ISD):** Initial Security Deposit for the work shall be @ 2% of contract price. Earnest Money Deposited by the successful tenderer shall be adjusted against ISD, and the difference between ISD and EMD shall be deposited in the manner mentioned in the work order/letter of intent.
15. **RETENTION MONEY:** Retention Money for contracts up to a value of Rs. 100 lakhs, at the rate of 7.5% of the bills for works with defective liability period *not NIL* and at the rate of 5.0% *for works with defective liability period "NIL"* will be deducted from each bill until this amount together with the Initial Security Deposit reach the limit of retention which is 7.5% or 5.0% as the case may be for the value of work. The Retention Money shall be released after the satisfactory completion of defect liability period after liquidating the defects. For contracts of value above Rs.100 Lakhs, the limit of retention money shall be Rs.7.5 lakhs plus 5% of the value exceeding Rs.100 lakhs.
16. **Security Deposit:** : The Public Sector Enterprises or State/Central Government Undertakings/ MSEs shall be required to submit a "Performance Guarantee Bond" of requisite value in the prescribed proforma in lieu of Security Deposit covering the period of contract + defect liability period + 6 months (Claim period). It may be noted that waiver of Security Deposit is permitted only up to the monetary limit as specified in the proof of enlistment for which the unit is registered for MSEs.
17. **Recovery of income tax at source** will be made from contractor's bill and deposited with Income Tax Department as per rules. Recovery of sales tax applicable shall be made from the contractor's bills.

18 . SAFETY:

- a) The contractor and his workers must strictly take all safety precautions and shall supply to his workers dependable safety appliances like hand gloves, safety boots, safety belt, safety helmets, duster cloth, dust mask/nostril filter etc. In addition to this, contractor shall also provide additional safety appliances as per requirement and follow safe working practices like using fully insulated electrode holders etc. He shall also ensure that his workmen intelligently use only dependable safety appliances supplied to them.
- b) The contractor shall take adequate safety precaution to prevent accidents at site. The contractor shall also ensure that his employees observe the statutory safety rules and regulations and also those laid down by the employer from time to time and promptly submit report of accident and state the measures taken by him to prevent their recurrence and also keep the employer indemnified of all claims arising out of such accidents.
- c) No Workmen shall be engaged on the work without proper safety induction and without using required PPE. Use of safety helmet and shoe is must excepting in painting works where shoe will not be used.
- d) All the safety appliances required for safe working as decided by SED/Contract operating department shall be provided by the contractor to his workmen.
- e) Clearance to start the job will be obtained by the contractor in form 'A&B' before start of work. The forms may be obtained from the dept. concerned.
- f) Works at height cannot be started without clearance from Zonal Safety Officer. The workers engaged for work at height shall possess height pass from SED. The names of workmen working at height or in hazardous areas will be written on the body of form "B".
- g) Contravention of any safety regulation of VSP in vogue from time to time will result into work stoppage, levying penalties and ultimately in contract termination.

The list of safety violations by Contractor category wise are as follows:

I. Category-I of Safety Violations:

Penalty amount: First offence Rs.1000/-, 2nd or subsequent offences Rs.2000/-
For Works / Non-works.

Penalty amount: First offence Rs.1000/-, 2nd or subsequent offences Rs.2000/-
For Projects

- (1) Not wearing crash helmet while riding Two-Wheeler in plant premises.

II. Category-II of Safety Violations (Minor Violations):

Penalty amount: Rs.3000/- - For Works / Non-works.

Penalty amount: Rs.5000/- - For Projects

A. HEIGHT:

- (1) Height Pass not made / not available;
- (2) Unauthorized entry at height / hazardous locations;
- (3) Fall arrester not provided / used;
- (4) Horizontal life line / guide rope not provided for anchoring full body safety harness.

B. EXCAVATION:

- (1) Proper ladder/steps not provided for descending / ascending;
- (2) Shutting not done (below 2 mts. Level) of excavation;
- (3) Overhanging burden in pit not removed in excavation;
- (4) Excavated materials left near the edge of the pit.

C. ELECTRICAL:

- (1) Power cable clamped with G. I. Wires to post / pillar;
- (2) Power cables tied on reinforce rod / structure without proper insulation;
- (3) Loose connection taken from sockets without proper plug;

- (4) Taking shelter behind electrical panel;
- (5) Power cables / electrical wires lying on ground in hap-hazard manner;
- (6) Source of supply / danger board not displayed on the electrical equipment;
- (7) Electrical Control Post not provided with Barricade / Shelter / Canopy;
- (8) Cables used having many joints;
- (9) Earthing not provided on Electrical Equipments;
- (10) ELCB not installed.

D. MATERIAL HANDLING:

- (1) Use of damaged slings / tools / ropes;
- (2) Fitness certificate of cranes / hydras / heavy vehicles not available;
- (3) Crane rope conditions not ok;
- (4) Rope of crane not clamped properly;
- (5) Guy ropes not used during shifting of materials.

E. GAS CUTTING:

- (1) Rolling / lifting of cylinders (without cage);
- (2) Gas cutting without required PPEs;
- (3) Gas hose pipe clamping done by wires;
- (4) Usage of LPG Cylinder beyond date of expiry;
- (5) Wet bags / covers not put on gas cylinder;
- (6) Loading / Unloading of cylinder – cushion not given.
- (7) Condition of hose pipe not good;
- (8) Working with leaking cylinder;
- (9) Flash Back Arrestor not provided at Torch / Cylinder ends;
- (10) Colour coding of gas cutting of hoses not followed.

F. ARC WELDING:

- (1) Welding with non-standard holder
- (2) Welding machine earthing not done (Double body earthing);
- (3) Using improper welding cable;
- (4) Welding cables used with many joints;
- (5) Lugs not provided for connecting cables to welding machines;
- (6) Local isolation switch not provided on welding machines.

G. PPEs:

- (1) Non usage of PPEs at site such as Safety Helmet, Shoes, Goggles, Hand Gloves, Face Shields etc., as per requirement.

H. VEHICLE:

- (1) Driving of heavy vehicles on the main road during restricted hours & restricted routes;
- (2) Parking at unauthorized place;
- (3) Using of truck with damaged body;
- (4) Dropping / Spillage of material on the road;
- (5) No number plate on vehicle;
- (6) No head light / signal lights / brake light / horn / reverse horn on the vehicle;
- (7) Types of vehicle having patching / bolting;
- (8) Violation of approved speed limits during plying on the road;
- (9) No front / rear wheel guards on Hydra;
- (10) Un-authorized dumping of material;
- (11) Driving license not available / in-valid;
- (12) Driving of two wheeler carrying more than one pillion rider;
- (13) Driving dangerously;
- (14) Overloading of vehicles;
- (15) Talking on cell phone while driving;

- (16) Vehicles transporting loads without tying / securing of loads / stock protruding out of the truck body / without red flags / red lights, side guards, donnage;
- (17) Drunk & driving;
- (18) Non availability o reverse horn of moving equipment;
- (19) Using hydra for material transportation on roads;
- (20) Marching of hydra without signal man & red flags;
- (21) Using trucks for transportation of persons.

I. PERMITS:

- (1) Working without work permit / shut down
- (2) Not putting red flags / stopper
- (3) Dismantling of structure without authorized plan
- (4) Unauthorized oxygen tapping
- (5) Working on VSP installations without permission
- (6) Critical / heavy erection of structures without authorized plan.

J. GENERAL:

- (1) Not having proper gate passes / other area passes
- (2) Not reporting of accident
- (3) Hand grinders / mixer machines without guard
- (4) Make-shift arrangement for job execution
- (5) Engaging workers without safety training
- (6) Using of defective tools
- (7) Unauthorized operation of equipment

K. STATUTORY RECORDS:

- (1) Safe Working Load (SWL) Certificates of lifting machines / equipments not valid / not available / details not displayed on the equipment
- (2) Valid Test Certificates of Electrical Hand Gloves / Full Body harness not available
- (3) Eye examination records of vehicle / crane operators not available
- (4) Electrical Authorization not available
- (5) Vehicles plying without valid insurance, valid fitness certificate, valid pollution under control certificate.

III. Minor subsequent – Repetition of safety violations as detailed under Category – li above

Penalty amount: 1st repetition of violation Rs.12,000/-, 2nd repetition of violation onwards Rs.24,000/- - For Works / Non-Works

Penalty amount: 1st repetition of violation Rs.15,000/-, 2nd repetition of violation onwards Rs.25,000/- - For Projects

IV. Category – IV of Safety Violations (Major Violations)

Penalty amount: Rs.20,000/- - For Works / Non-Works
Penalty amount: Rs.40,000/- - For Projects

HEIGHT:

- (1) Using bamboo / or other non-standard material for scaffolding
- (2) Railing not given at platforms or opening of floor
- (3) Scaffolding planks not tied
- (4) Throwing / dropping of material from height
- (5) Proper ladder / approach not given for working at height
- (6) Full body harness (FBH) not wearing
- (7) Lifeline of FBH not anchoring
- (8) Floor opening left unguarded in the area of work
- (9) Working at roof without daily permit
- (10) Walkway / cross over path not provided

EXCAVATION:

- (1) No barricading of excavated pits

ELECTRICAL:

- (1) Unauthorized working on electrical equipment

VEHICLE:

- (1) Sleeping under truck

ARC WELDING:

- (1) Welding screen not used

GENERAL:

- (1) Absence of Supervisor at work site
(2) Leaving loose sheets on the roof tops

V. Fatal Accidents / Permanent disability

Penalty amount: 20% of contract value subjected to Min. Rs.1.00 lakh and Max. Rs.5.00 lakhs or banning of business dealing or both. – For Works / Non-Works

Penalty amount: 10% of contract value subjected to Min. Rs.5.00 lakhs and Max. Rs.10.00 lakhs or banning of business dealing or both. – For Projects

Note:

- 1) Any other violation which is not listed above having potential to endanger human life / Property shall be liable for penalty under any of the categories listed above.
- 2) Independent of the above, the contractor shall be debarred from taking up further contractual work in VSP in case any repeated fatal accident after 3rd incident for the reasonable attributable to Contractor.
- 3) The Safety violations have been classified into five categories (I to V). Without prejudice to the right conferred by the Clause No. 16(g) of Special Conditions of Contract for stoppage of work for violation of safety rules, the contractor shall be liable for penalty at the rates as indicated depending upon the category of violation.
- 4) The penalties mentioned above are in addition to those which are applicable as per the Statutory Acts & Rules. In case of any imposed penalty by any Statutory Authority, the same shall be over and above the contractual clauses.
- 5) The above penalties related to the accidents mentioned at Category-V will be imposed on agency in case the reasons to the accidents are attributable to the agency.

AUTHORITY FOR IMPOSING PENALTIES:

- 1) Penalty for violations falling under the Categories (I), (II) & (III) will be imposed by Engineer Incharge based on the findings by the designated officer of SED / Departmental Safety Officer / Zonal / Project Safety Officer / Operating Authority, a copy of the penalty imposition .
 - 2) Penalty to the violations falling under the Categories (IV) & (V) will be imposed by the Engineer Incharge, based on the recommendation of Head of SED in consultation with the Head of Operating Department.
 - 3) The penalty amount shall be recoverable from any bill and / or EMD / SD of the contractor without any further reference to him.
 - 4) For violations falling under the Category (V), besides penalty action for banning of business dealings with the contractor will be initiated, if recommended by the committee for enquiring into fatal cases.
- h) “The contractor shall ensure that the Welders and Gas Cutters wear cotton dress and leather apron. They shall not wear nylon/synthetic dress. This is required to avoid any fire accident. This must be followed strictly”.

19. **SHUTDOWNS:**
 - A) Necessary shutdowns will be arranged by VSP to the contractor for carrying out the work based on requirement. No claims on account of delayed/prolonged shutdown will be entertained.
 - B) The works assigned to the contractor by the Engineer from time to time shall be completed within the time schedule fixed by the Engineer in each case, within the approved shut down period.
20. **LABOUR DEPLOYMENT:**
 - A) The contractor shall deploy his labour as per requirement and as instructed by the Engineer. It may be necessary to carryout the work round the clock based on requirement and shutdown provided. The contractor's rate shall cover such eventualities.
 - B) Only trained, experienced, safety inducted workers acceptable to the Engineer shall be engaged on this work, work shall be executed as per specifications to the satisfaction of the Engineer.
 - C) As and when need arises in the Annual works from time to time either for extra requirement of work or as a replacement in running contracts or a contract commencing for the first time, the contractor shall ensure that Displaced Persons (DPs) are engaged in unskilled category of workers to the extent of 50% (fifty percent). The contractor shall contract the Engineer-in-charge for this purpose.
 - D) "As and when need arises in the annual works from time to time either for extra requirement of work or as a replacement in running contracts or a contract commencing for the first time in semi-skilled category, the contractor shall ensure the minimum qualification of ITI in the relevant field for such semi-skilled category of workers. The contractor will also ensure to engage 50% (Fifty percent) of such semi-skilled vacancies from Displaced Persons (DPs) category. The contractor shall contact the Engineer-in-charge (EIC) for this purpose".
 - E) The Contractor shall engage contract worker(s) who do not have any adverse record with respect to his character in the past. For this purpose, the character and antecedents of the proposed worker(s) whom the Contractor intended to engage, shall be got verified by the Police and report shall be submitted. Till such time the report is submitted, the proposed contract worker(s) will be given only provisional pass and the pass will be cancelled in case any adverse report is reported.
21. **SECURITY REGULATIONS:** The contractor shall abide by and also observe all security regulations promulgated from time to time by the employer.
22. **STORING/STACKING OF MATERIALS:** Storing/Stacking/Placing of materials shall be only at the places designated by the engineer.
23. The contractor, his supervisors and workmen shall observe entry and exit timings strictly.
24. After completion of work activity, the site has to be cleared of all debris, construction material and the like.
25. The successful tenderer shall start the work immediately after obtaining gate passes and safety induction training and clearance from the Employer.
26. **NOTICES:** Any notice to be given to the contractor under terms of the contract shall be considered duly served, if the same has been delivered to, left for or posted by registered post to the contractors principal place of business (or in the event of the contractor being a company, its registered office), at the site or to their last known address.
27. **DEFAULT BY TENDERERS:** The successful tenderer may be debarred at the discretion of the company, from issue of further tender documents, work orders etc., for a specified period to be decided by the employer in case of :
"Undue delay in starting and execution of work awarded, poor performance, backing out from the tender, non accepting work order/LOI during the validity of tender or non observance of safety rules and regulations, misappropriation of company's materials/property, non payment of due wages to labour or such similar defaults".
28. Successful tenderer should be in a position to produce the Original Certificate in support of the attested copies of relevant documents enclosed along with pre-qualification documents or afterwards, after opening of the Price Bids.

29. Failure to produce the original certificates at this stage in support of the attested copies of PF Registration/ITCC/Electrical License/Experience/Qualification any other documents etc., submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in VSP tenders.
30. If it comes to the notice of VSP at any stage right from request for registration/tender document that any of the certificates/documents submitted by applicant for registration or by bidders are found to be false/fake/doctored, the party will be debarred from participation in all VSP tenders for a period of 05 (FIVE) YEARS including termination of Contract, if awarded. EMD / Security Deposit etc., if any, will be forfeited. The Contracting Agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation any where in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D. / Security Deposit, if any, and recovery of risk and cost charges etc. Decision of V.S.P. Management will be final and binding.
31. Failure to execute the work after LOI/WORK ORDER is given, will make the party liable for debarring for a period of 2 (TWO) YEARS.
32. In case it is found before/after award of work to the person/agency through Limited Tender Enquiry (LTE) that the same person/agency is proprietor/proprietress/partner of two or more separate agencies and quoted for the same work, then punitive action to the extent of debarring up to 02 (Two) years from participating in VSP tenders will be taken.
33. In case the Tenderers revoke/withdraw/cancel their tender or they vary any terms of their tender during the validity period of the tender without the written consent of Visakhapatnam Steel Plant (VSP) or in the event of VSP accepting their tender and fail to deposit the required security money, execute the Agreement and fail to start the work within reasonable time (to be determined by the Engineer) after written acceptance of their tender – EMD submitted by them will be forfeited by VSP.
34. Contractor shall note that:
 - i) Time for mobilization after issue of FAX Letter of Intent/detailed Letter of Intent / Work Order shall be;
 - a. 03 (Three) days for Capital Repairs
 - b. 15 days for Civil Works
 - c. 60 days for painting works of Structural Engineering Department
 - d. 07 (Seven) days for Annual Mechanical, Electrical and works of technological assistance/cleaning.
 - ii) Re-starting the work after disruption shall be within 04 (Four) to 06 (Six) hours after the cause of disruption is removed as decided by the HOD.
 - iii) Notice period for Contract Termination shall be - 03 (Three) hours in the event of breakdowns, 02 (Two) days in Capital Repairs and 10 days in other works.

Failure to adhere to above stipulations may result in Termination of contract at risk & cost and will make the party liable for debarring for a period o 2 (Two) years.
35. Agencies are required to submit Bank Guarantee for the value as decided by the Engineer as a Security while taking out Equipment/Components/materials of VSP to their workshop situated outside the VSP premises for carrying out repairs.

36. In case of revision in RINL / VSP approved wage rate, consequent to the revision in the minimum wages (either in Basic Wage or Living Allowances) as notified by the Regional Labour Commissioner (Central), Hyderabad, Escalation amount to the contract shall be payable as per the following formula:

$$V = \frac{L \times W \times (X - X_o)}{X_o}$$

WHERE:

- V= Escalation Payable
 L= Labour Content during billing period
 W= Gross value of work done on the basis of Contract Rates for the period for which variation is applicable
 X= Revised Weighted Average of RINL/VSP approved Rates for the period for which variation is applicable (for Unskilled, Semi-skilled and Skilled categories of Workers) based on the minimum wages as notified by the ALC (Central), Hyderabad, for the period under consideration for that contract as per present man days of different categories for the billing period.
 X_o = Existing (on the basis which tender estimate prepared) Weighted average of VSP approved rates (for Unskilled, Semi-skilled and Skilled categories of Workers and which is based on the Minimum Wages notified by Commissioner of Labour, Govt. of Andhra Pradesh, Hyderabad) for that contract as per present man days of different categories for the billing period.

Computation of X and X_o & L :

$$X = \frac{(a \cdot USR + b \cdot SSR + c \cdot SKR)}{(a+b+c)}$$

$$X_o = \frac{(a \cdot USRo + b \cdot SSRo + c \cdot SKRo)}{(a+b+c)}$$

$$L = \frac{(a \cdot USRo + b \cdot SSRo + c \cdot SKRo)}{W}$$

Where

- a= man days present by USW during the billing period
 b= man days present by SSW during the billing period
 c= man days present by SKW during the billing period

- USR= Revised VSP approved Rate for USW at the time of billing
 SSR= Revised VSP approved Rate for SSW at the time of billing
 SKR= Revised VSP approved Rate for SKW at the time of billing

- USRo= VSP approved Rate for USW indicated based on which the Estimate of work was prepared,
 SSRo= VSP approved Rate for SSW indicated based on which the Estimate of work was prepared,
 SKRo= VSP approved Rate for SKW indicated based on which the Estimate of work was prepared,

(The above escalation shall be independent of the award percentage whether positive or negative)

37. PAYMENT OF MINIMUM WAGES:

- 37.1. *Wages paid to the workmen by the contractor should not be less than the rates notified by the Regional Labour Commissioner (Central), Hyderabad, from time to time with regard to the minimum wages applicable to the respective categories of workmen plus the ad-hoc amount at the rate of Rs.11.54ps as per working day per workman per category. Wages with ad-hoc amount to the workmen should be paid on or before the 7th of the subsequent month. If 7th falls on a holiday or weekly off day, the payment should be made one day prior to that. Payment of PF for the month, both the employer's (in this case contractor) and employee's (in this case workmen employed by the contractor) contributions should be deposited in the bank in the permanent PF code number and challan obtained before the 15th of the subsequent month and forwarded to the Engineer". In case of failure of the contractor to comply with any of the above, the following action will be taken by VSP.*

- 1a) **Lapse** ————**Payment of wages at rates less than those notified under the minimum wages.**
Action by VSP ————**An amount equivalent to the differential amount between wages to be paid under minimum wages notification of the Government applicable for the period less actual wages paid shall be recovered from the bills as certified by the engineer.**
- b) **Lapse** ————**Non payment of adhoc amount**
Action by VSP ————**An amount equivalent to actual payable towards adhoc amount to the workmen engaged for relevant period shall be recovered from the bills as certified by the Engr.**
- 2) **Lapse** ————**Non payment of wages**
Action by VSP ————**An amount equivalent to wages payable by the contractor applicable for the relevant period shall be recovered from the bills as certified by the Engineer.**
- 3) **Lapse** ————**Non payment of PF**
Action by VSP ————**Recovery of PF amount and an amount equivalent to maximum penalty leviable by Regional Provident Fund Commissioner for the delayed period under the provisions of ERP & MP Act and Rules for delayed remittance of PF contributions (both the employee's and employer's contribution), shall be recovered from the bills of contractor as certified by Engineer.**
- 4) **Lapse** ————**Delayed payment of PF**
Action by VSP ————**An amount equivalent to maximum penalty leviable by Regional provident Fund Commissioner for the delayed period under the provisions of EPF & MP Act and rules for delayed remittance of PF contributions (both the employee's and employer's contribution), shall be recovered from the bills of the contractor as certified by Engineer.**
- 37.2. **The contractor shall have to pay WELFARE ALLOWANCE (earlier known as SMA, ASMA) towards fuel charges, food, milk, tiffin, coconut water, washing allowance etc @ Rs.80.76ps per day of actual attendance of each worker deployed in the contract not exceeding Rs.2100/- per month in addition to the wages as indicated in the minimum wages clause of Special Conditions of Contract . The contractor will submit his claim with proof of such payment made in this connection in the RA Bill and the same amount will be reimbursed/paid to him.**
- 37.2.1. **It may be noted that the payment of WELFARE ALLOWANCE is towards the expenditure incurred by the contract labour towards Fuel Charge, Coconut Water Allowance, Washing Allowance, Food/Milk/Tiffin Allowance.**
- 37.2.2. **The contractor is required to take the above aspects into consideration while submitting their offers and no profit/overhead charges will be paid by VSP on this account.**
- 37.2.3. **As regards applicability of payment of WELFARE ALLOWANCE, the contractor may refer NIT/Terms & Conditions of the contract in this regard.**
- 37.3. (a) **Penalty for delayed payment / non-payment of wages:**
If the contractor fails to pay wages within the stipulated time ie., by 7th working day of the subsequent month, a penalty up to 1% of the gross wages (Basic, DA & Over time (if any) except Adhoc, SMA, ASMA and other allowances) of the workers will be levied for every day of lapse subject to a maximum of 10% in any calendar month. This is without prejudice to appropriate action against the contractor including debarring, in case of perpetual / habitual default”.
 (b) **Payment of wages through banks:**
The contractor shall pay wages not less than the minimum wages notified by the appropriate Government from time to time to the workers deployed by him. The payment shall be made on the due dates either by way of crossed cheques or crediting the wages to the bank accounts of the concerned contract workers. Proof of such payment shall be submitted by the contractor to the Engineer Incharge by 10th of the subsequent calendar month.
38. **The contract period can be extended at the discretion of V.S.P. up to 04 (Four) months at the existing Rates, Terms and conditions and the Contractor shall be bound to execute the work accordingly and the offer of the Contractor is deemed to include this aspect.**

39. The tenderers shall note that in case of quoting above the Estimated Value of V.S.P. the L-1 party shall furnish logical / satisfactory explanation which V.S.P. may seek if felt necessary for quoting such high rates. If the explanation offered by the L-1 party is not acceptable to V.S.P., the L-1 party may be recommended for disqualification while retendering the work.
40. The contractor should clearly understand and comply with the Factories Act 1948 and relieve the FEMALE WORKERS from their work site within the restricted working hours prescribed therein under section 66(b).
41. The following deductions per workman deployed category-wise shall be made from the bills/amounts due to the contractor as applicable for the work done and such deducted amounts shall be released as mentioned below:

1) Component ——— Notice pay
Recovery amount per labour per every working day —
USK —Rs. 38.44ps, SSK —Rs. 43.42 ps, SK—Rs. 50.88ps

2) Component ——— Retrenchment compensation
Recovery amount per labour per every working day —
USK —Rs. 19.22ps, SSK —Rs. 21.71ps, SK—Rs. 25.44ps

3) Component ——— Leave with wages
Recovery amount per labour per every working day
USK —Rs. 23.66ps, SSK —Rs. 26.72ps, SK—Rs. 31.31ps

To be released when ——— After the contractor makes payment to the work men in the presence of Engineer Incharge and CLC representatives, a certificate to this effect is to be enclosed with pre-final bill (to be paid with pre-final bill).

Sub-total -
USK —Rs. 81.32ps, SSK —Rs. 91.85ps, SK—Rs. 107.63ps

4) Component ——— Bonus
Recovery amount per labour per every working day
USK —Rs. 38.43ps, SSK —Rs. 43.40ps, SK—Rs. 50.86ps

To be released when ——— After the contractor makes the payment to the workmen in the presence of Engineer Incharge and CLC representatives, a certificate to this effect is to be enclosed with RA bill / pre-final bill (to be paid with RA bill / pre-final bill as and when paid by the contractor).

GRAND TOTAL
USK —Rs. 119.75ps, SSK —Rs. 135.25ps, SK—Rs. 158.49ps
10% towards profit and over heads of contractor
USK —Rs. 11.98ps, SSK —Rs. 13.53ps, SK—Rs. 15.85ps
Total recovery amount
USK —Rs. 131.73ps, SSK —Rs. 148.78ps, SK—Rs. 174.34ps

Note:

- i) *The above recovery rates are **effective from 01/10/2017**. In case of any statutory revision in minimum wages payable to contract workmen as notified by the Regional Labour Commissioner (Central), Hyderabad from time to time, the above recovery amounts for workmen category-wise will be revised by RINL/VSP and will be notified accordingly.*
- ii) *Payment against the above component is to be made to the workmen based on effective wages of last drawn pay.*

42. PAYMENT MODE FOR BILL AMOUNTS:**42.1 Following are the options available to the Contractors for availing e-payments.**

42.1.1 EFT System: Under this system Banks offer their customers money Transfer service from account of any bank branch to any other Bank Branch. The EFT system presently covers all the branches of about 77 banks located at 15 centers indicated below, where clearing houses are managed by RBI i.e.,

i) New Delhi ii) Chandigarh iii) Kanpur iv) Jaipur v) Ahmedabad vi) Mumbai vii) Nagpur viii) Hyderabad ix) Bangalore x) Chennai xi) Trivendrum xii) Kolkata xiii) Bhubaneswar xiv) Guwahati xv) Patna.

42.1.2 Direct Credit: Suppliers opting for this system may open Bank accounts with any one of the following banks.

i)	State Bank of India	-	Steel Plant Branch
ii)	Canara Bank	-	Steel Plant Branch
iii)	Bank of Baroda	-	Steel Plant Branch
iv)	State Bank of Hyderabad	-	Steel Plant Township Branch
v)	Andhra Bank	-	Steel Plant Township Branch
vi)	UCO Bank	-	Steel Plant Township Branch
vii)	IDBI	-	Visakhapatnam Branch

42.2 The Successful tenderer shall agree that all the payment due and payable in terms of the contract will be paid direct to his bank account and he shall give the bank account number and the address of the Bank in which the money is to be deposited” as per the format given below:

- (1) Vendor Code :
 (2) Option : RTGS / EFT
 (3) Beneficiary Details
 a) Name of Beneficiary (Max.35 characters) :
 b) Bank Name (Max. 35 characters) :
 c) Branch Name (Max. 35 characters) :
 d) Account Number (Max. 35 characters) :
 e) Account type (Max. 35 characters) :
 (Savings / Current / Overdraft) [Mention Code No. also]
 f) Beneficiary Bank's IFSC Code (Max. 11 characters):
 (For RTGS Mode only)
 g) Beneficiary Bank's MICR Code (Max.09 characters):
 (For EFT Mode only)

(Signature of the Party / Contractor)

Name:

Design:

CERTIFICATE

Certified that the above particulars are found to be correct and matching with our records in respect of the above beneficiary.

Sd/-.....

(Signature of Branch Manager)

Name :

Seal of Bank :

- 42.3 The contractor has to submit their bank account details in VSP format duly certified by Concerned Bank Manager for the purpose of making electronic payment before submission of First Running Account Bill, failing which the bill will not be processed.
- 42.4. The Successful tenderer is required to give an undertaking to the Finance Department of VSP that the payment made by RINL/ VSP of any sum due to him by directly remitting the same in his bank, the address and the number of which is to be furnished, shall be in full discharge of the particular bill raised by him, and that he shall not have any claim in respect of the same”.
- 42.5 *In respect of payment made through Electronic Fund Transfer mechanism or Direct Credit to the supplier's/contractor's bank account, the supplier/contractor/receiver should intimate discrepancies, if any, within 10 days from the date of dispatch of intimation letter of payment to them to Finance Department of VSP failing which it shall be presumed that the funds have reached to their bank account and that no claims will be entertained after the said 10 days.*
43. **CLAUSES CONCERNING INPUT TAX CREDIT (ITC) AGAINST GST:**
- a) The successful tenderer shall take necessary steps to comply with the rules and provisions of GST law facilitating VSP to avail ITC.
 - b) **Price condition:** Tenderers shall quote the price of the goods or services excluding GST. Applicable GST shall be indicated against each item and will be paid extra on submission of tax invoice.
In case tenderer opted for composition scheme, GST will not be charged extra and the price quoted includes the GST applicable to composite scheme. Tenderers have to specify that they have opted for composition scheme and GST is included as applicable for composition.
Evaluation criteria:
 1. In case of supply of goods or services on which RINL / VSP is eligible to avail GST input tax credit, evaluation of tender shall be on the basis of landed cost excluding GST.
 2. In case of supply of goods or services on which the employer (RINL/VSP) is not eligible to avail GST input tax credit, the applicable GST payable by RINL/VSP (in case of unregistered taxable supplies) or GST to be charged by the registered taxable supplier as applicable, shall be added to the landed cost for evaluation purposes.
 - c) The tax invoice raised by the Contractor should clearly mention VSP as the recipient. It should be ensured that material has been delivered along with the duplicate for transporter copy of the tax invoice, based on which Input Tax Credit is to be claimed.
 - d) The duty paying documents shall be submitted as soon as the material is procured by the agency for incorporation in the work. In case the material is supplied from a third party, it should be backed up with a GST Tax Invoice from Contractor.
 - e) Material once received in to the factory would not be allowed to go outside the factory premises for any reason. Excess/Rejected material will be allowed to be taken back after complying with the provisions of GST Act.
- 43.1 Vendor/Supplier/Contractor shall comply with all the necessary statutory compliances including but not limited to providing GST invoices or other documentation as per GST law relating to the above supply/service to RINL, uploading the details of the invoice, payment of taxes, timely filing of valid statutory returns for the tax period in the Goods and Service Tax Portal.
In case of Input Tax Credit of GST is denied or demand is recovered from RINL on account of any act of the Vendor, including but not limited to non-payment of GST charged and recovered, non-generation of E-Way Bill, non-filing of Returns, non-uploading/improper uploading of valid invoices raised on RINL in the Returns etc., the Vendor/Supplier/Contractor shall indemnify RINL in respect of all claims of tax, penalty and / or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. Such amount shall be recovered from any payments due to the vendor/supplier/contractor of from security deposit or any other amount available in the same contract or in other contracts including future contracts.
If any tax has been paid by the vendor/supplier/contractor in pursuance of any demand on account of suppression, fraud or willful misstatements of facts, then the same shall not be passed on to RINL through debit notes or invoices or supplementary invoices.
44. RINL reserves the right to reject the offers of tenderers whose performance is poor in awarded / ongoing works if any.

SCOPE OF WORK

SMS-2 / RFx No 2600003389

WC-SERVICE / PR NO: **73004020**

Work Description: **Electrical Maintenance of Cranes / Hoists in SMS-2 (2019).**

Cond. No.	Description of Scope of Work
1.	<p>Brief on Cranes / Hoists in Steel Melting Shop # 2:</p> <p>57 EOT Cranes and 89 Hoists are erected in SMS#2. The cranes used in SMS#2 are mostly production cranes and spread over from Slag Yard in Converter shop to Billet Storage Yard in Continuous Casting area. The process comprises of desulphurization at HMDP, Charging of Hot Metal, handling and charging of scrap into the converters, handling of liquid steel and slag, handling of lances, handling of Ferro alloys, refining of steel at secondary metallurgical unit (LF and RH), placement of ladle on turrets in Caster area, transferring and stacking of Bloom / Billet in BSY.</p> <p>For carrying out all above mentioned processes, cranes of various capacities (3T to 250T) from different manufacturers (Indian as well as foreign) have been erected and commissioned. Every crane will be carrying out very specialized operations in the shop.</p>
2.	<p>The spread over of major cranes as per the operating areas:</p>
2a.	<p>Converter Shop :</p> <p>1. M/s DHI DCW, Dalian/M/s Anupam Crane</p> <ul style="list-style-type: none">a) 250T/75T+20T - 08 Nos,b) 125T / 30 T - 03 Nos,c) 100T/40T+20T - 02 Nos,d) 60T + 60T - 01 No. <p>Total - 14 Nos,</p> <p>2. M/s Unique</p> <ul style="list-style-type: none">a) 15+15T - 02 Nos <p>Total - 02 Nos,</p> <p>3. M/s WMI</p> <ul style="list-style-type: none">a) 50T - 01 No.b) 16T - 01 No.c) 10T - 01 No.d) 03T - 01 No. <p>Total - 04 Nos,</p> <p>4. Other Low Capacity Cranes from assorted manufacturers is 08 Nos.</p> <p>Total Cranes in Converter Shop is 28 Nos.</p>
2b.	<p>Continuous Casting Shop:</p> <p>1.M/s Unique</p> <ul style="list-style-type: none">a) 75T / 20 T - 02 Nos,b) 30 T - 01 Nos,c) 10T - 01 No. <p>Total - 04 Nos,</p> <p>2.M/s Mukand</p> <ul style="list-style-type: none">a) 20 T - 10 Nos,

SCOPE OF WORK

SMS-2 / RFx No 2600003389

WC-SERVICE / PR NO: **73004020**

Work Description: **Electrical Maintenance of Cranes / Hoists in SMS-2 (2019).**

	<p>Total - 10 Nos,</p> <p>3. M/s FAFECO</p> <p>a) 90/20T -3 Nos.</p> <p>b) 30T- 2Nos.</p> <p>c) 20T- 1No.</p> <p>d) 5T- 1No.</p> <p>Total- 07 Nos.</p> <p>4. Other Low Capacity Cranes from assorted manufacturers is 08 Nos.</p> <p>Total Cranes in Continuous Casting Shop - 29 Nos.</p> <p>Total Cranes in SMS#2 = 57 Nos.</p>
2c.	<p>Hoists:</p> <p>In SMS-2, about 87 Nos. of electric hoists are provided for handling / maintenance of Equipments in Converter Shop, Casters and Cranes.</p>
3.	<p>Scope of Work:</p>
3a.	<p>The scope of work includes Inspection / Maintenance / Replacement / Rectification / liquidation of defects / Break down jobs, pertaining right from field Incoming and bus-coupler breakers, all types of power and control cables jobs, complete DSL system works including supporting insulator and compensation equipment along the complete length of DSL with connection arrangement of multi-run incoming cables at DSL in the shop and main current collectors on the crane and all other electrical items beyond the main current collector on the crane, i.e. main current collector, power disconnecting switch on bridge platform, protective and control switch gear, motors, control and brake panels, resistors, brakes, limit switches, cable trays, cable accessories, socket outlets, lighting distribution panel, lighting fixture with lamps, festoon cable system, master controllers, indicating lamps, push buttons, pendants, earthing material, etc.</p>
3b.	<p>In all the cranes, motions are driven by AC Motors with VVVF Drives. Logic and sequencing of drives is done by PLC. Some cranes are pendent as well as radio remote operated.</p>
3c.	<p>The contract envisages complete assistance for Electrical Maintenance of EOT Cranes / Hoists in SMS-2.</p>
3d.	<p>The contract shall operate in three shifts A, B, C Shifts for uninterrupted operation of cranes / Hoists from converter Shop and Casting Shop duty stations and G-Shift for planned maintenance jobs. Duty stations will be in Converter shop and Casting shop for both shifts separately. Depending on need based the G-shift duty station may be operated in converter shop and casting shop separately or from single duty station either in Converter shop or Casting shop as per EIC.</p>
3e.	<p>In Shift working timings are A- Shift (6:00 to 14:30 hrs), B- Shift (14:00 to 22:30 Hrs) and C- Shift (22:00 to 06:30 hrs) and General (G) shift working time is 9.00 AM to 5.30 PM. The contractor shall deploy manpower both in General Shift and in A/B/C shifts at different duty stations, as required by Engineer-In-Charge (EIC).</p>
3f.	<p>The jobs mentioned above are segregated between A, B, C Shifts and General shift. The A, B, C Shifts personnel will immediately attend and resolve any breakdown that arises in the cranes / Hoists when cranes/</p>

SCOPE OF WORK

SMS-2 / RFx No 2600003389

WC-SERVICE / PR NO: **73004020**

Work Description: **Electrical Maintenance of Cranes / Hoists in SMS-2 (2019).**

	Hoists are in operation and restore back the cranes/Hoists for healthy operation at shortest possible time. Some of the workman assigned for A/B/C Shift post may be deployed in G-Shift to Cater the need of maintenance of Cranes/Hoist.
3g.	Any break down of major nature shall be intimated to G-Shift Cranes In-charge and further job shall be carried out along with the help of cranes G shift. Regular Inspection of Cranes/Hoist shall also be carried out by the Workmen posted in A/B/C-Shift. G-Shift workmen shall be involved in preventive & proactive maintenance of cranes / Hoists as per the scheduled programme, correction of defects revealed through daily and periodic inspection.
4.	Jobs envisaged in A/B/C Shifts are as follows:
4a.	Assisting in issue and normalization of electrical shutdowns for Cranes and safe shutdown work practices, as per VSP guidelines.
4b.	During normalization of shut down the personnel should ensure whether any multiple shut downs on the same crane are issued and to normalize power only when the entire multiple shut downs are returned.
4c.	Shift personnel shall Co-ordinate with VSP operations for getting clearance for placement of crane in Maintenance / Sick bay for carrying out the preventive maintenance of the scheduled cranes for the day.
4d.	Assisting in Fault finding / Troubleshooting / Break down maintenance of complete electrics of all motions of crane.
4e.	The contractor personnel shall attend the breakdown of the system most expeditiously and bring the system back to normalcy at the earliest.
4f.	Revisioning / Replacement of motors/VFDs in shift timings as per site requirement.
4g.	Replacement / rectification of contactors / relays / timers / limit switch and other miscellaneous items in panels / site / etc.
4h.	Termination / removal of connection for motors / cable jointing etc.
4i.	Material shifting within site including to / from sub-stores.
4j.	All the operations and breakdown maintenance activities on each individual crane are to be logged on shift basis. The Shift log books will be provided to the contractor by VSP. Any abnormality observed during operation of the crane should be immediately informed to the Shift In- Charge. Recording of various events in the log book will be in the scope of contractor.
4k.	The scope of work does not limit to above mentioned activities but shall include any unforeseen break downs during the course of the contract execution.
4l.	The jobs being carried out in a particular shift if not completed within their shift timings, the pending job shall be handed over to next succeeding shift.
5.	Jobs envisaged by contractor in G-Shift broadly cover the below jobs:
5a.	Inspection of all the cranes and hoists is to be carried out at regular intervals by the contractor personnel. Defects /abnormalities noticed during inspection are to be recorded with priority 1, 2, 3. Immediate liquidation of priority -1 defects noticed during inspection is to be carried out. Priority 2 & 3 defects are to be liquidated during preventive maintenance and during period whenever crane is spared for maintenance.
5b.	Any abnormalities noted during regular and periodic inspection of cranes

SCOPE OF WORK

SMS-2 / RFx No 2600003389

WC-SERVICE / PR NO: **73004020**

Work Description: **Electrical Maintenance of Cranes / Hoists in SMS-2 (2019).**

	shall be brought to the notice of G Shift In-charge.
5c.	To carry out Planned Preventive Maintenance(PPM) as per Monthly schedule / Rectification / Replacement of LT electrical equipment up to 1.1 K Volts.
5d.	Jobs pertaining to DSL power feeding cables – Removal / Laying / disconnection of DSL power feeding cables from field isolator to DSL including termination.
5e.	Removal of motor, coupling and brake drum. Installing and alignment of motor including the coupling, brake drum and connected accessories. Removal and re termination of cables in case of motor failures and revisioning as per requirement of VSP.
5f.	To Inspect wear and tear, alignment, spring pressure and healthiness of electrical terminations of current collectors and to rectify/change of current collectors and its connected accessories accordingly.
5g.	Resolving all the carry forward pending defects from Shifts.
5h.	Assisting in fault finding / Troubleshooting/breakdown maintenance of complete electrics of all motions of crane.
5i.	To execute the job of connecting / dis-connecting, cable termination, etc of Low tension (LT) power and control cables.
5j.	Insulation resistance measurement to be carried out for all the cables / Low Tension (LT) equipment/ motors. The contractor shall not megger any electrical equipment connected to power electronics and electronics circuits. The meggering will be carried out only after complete isolation and under supervision of the concerned VSP engineer. Any specialized checking / testing will be carried out under VSP Engineer supervision.
5k.	Overhauling of Air circuit breakers, transformers, VF drive Modules, components and connected accessories in Electrical panels etc.
5l.	Maintenance of Festoon trolley and all connected items including the cables on the trolley, bearings and connected accessories etc.
5m.	Maintenance of I Beam of festoon trolley including the straightening, rectification and changing etc.
5n.	Maintenance of Down Shop leads (DSL) which includes the changing/alignment of DSL Rail / angle, changing of DSL indicator lamp unit and DSL lamps, changing/ repair of Insulator brackets and changing of Insulators etc and not limiting to above jobs.
5o.	Maintenance / replacement of Electrical panels, VFD, Motors, cables, Encoders, all limit switches etc.
5p.	Ensuring healthiness of all safety devices on cranes like Horn, Hoist rotary limit switch, Hoist gravity limit switch, Travel limits, Crane anti collision limits etc.
5q.	Modification / fabrication of panel / motor structural bed etc. as per site requirement.
5r.	Maintenance / Replacement of Battery bank.
5s.	Maintenance / Replacement of Magnet cable reeling Drum for operation of magnets and also include rectification / changing of slip rings, changing of bearings and changing of drum.
5t.	Repair / installation of crane light fittings.
5u.	Replacement of damaged earth strips on crane and ACBs on walk way

SCOPE OF WORK

SMS-2 / RFx No 2600003389

WC-SERVICE / PR NO: **73004020**

Work Description: **Electrical Maintenance of Cranes / Hoists in SMS-2 (2019).**

	feeding supply to crane DSL.
5v.	Assistance in trouble shooting and resolving of faults in PLC / VFD Modules / panels including replacement.
5x.	Assistance in transportation of material from VSP store to site and to work spot / return of damaged material to site store/designated place as per instruction of EIC. Vehicle with driver will be provided by VSP for transportation from stores. However the agency should have pull cart or any other means for shifting of materials within shop.
5y.	Assistance in compliance of ISO, OHSAS, Quality and safety management systems.
5z.	Up keeping of electrical equipment on cranes.
5aa.	Store and Record keeping.
5ab.	The maintenance and any other activities carried on the cranes are to be logged. The G-Shift log books will be provided to the contractor by VSP. Recording of all events in the log book is in the scope of contractor
6.	Exclusions - A,B,C shifts and G- Shift: The following are not included in the scope of the contractor :
6a.	Inspection / Maintenance/ Replacement/ Repair of air conditioners and its accessories.
6b.	Rewinding of motors and coils of magnets etc.,
6c.	Weighing system and its connected equipment.

Terms and Conditions

WC-SERVICE / PR NO: **73004020**WORK DESCRIPTION: **Electrical Maintenance of Cranes / Hoists in SMS-2(2019).**

Cond. No.	Description of Terms and Conditions
1.	This is a regular Annual Maintenance contract for Twelve (12) months.
2.	The quantities indicated in BOQ are approximate and may vary.
3.	The work is generally distributed over two major areas namely Converter Shop and Continuous Casting Shop and to be executed independently. However, based on the site requirement deployment of manpower in A, B, C and G-Shift shall be finalized by Engineer In-Charge.
4.	Manpower groups as mentioned at TABLE-A in Cond no.23 of T&C and TABLE-B in Cond no.24 of T&C for A, B, C and G- shifts are to be provided.
5.	The manpower in A, B, C shift in Converter Shop shall report to the Electrical Shift In- charge of Converter Shop and the G-shift manpower to G-shift In- charge and same for Continuous casting shop if two duty stations are considered. Payment will be released on the basis of the attendance in case of A, B, C shift on certification of the concerned shift in charges. Certification of attendance will be done on daily basis.
6.	Payment will be made on the basis of joint measurements taken by the contractor and certified by engineer In - charge as per BOQ. In case of strike or work stoppage by the workmen, the policy of "No work No Pay "will be implemented. Engineer In- charges decision is final
7.	Assistance in applying/issue for shut downs / returning of the shutdown after the work will be done by the designated skilled worker of the group and will also perform as the group leader and will be coordinating in attending the breakdowns in consultation with the concerned VSP In- charges of the duty post.
8.	The BOQ and scope of work is indicative only. Any work required to be done for completeness, shall be carried out by the contractor free of cost.
9.	Weekly off and holidays as per relevant AP Govt. labour act shall be given to workmen. Amount quoted per man as per BOQ shall include weekly offs and holidays, considering 26 working days in a month.
10.	All safety appliances like Fire Resistant coat, Helmet, Shoe, Dust mask, Hand gloves, Safety belts, Gum boots etc., are to be supplied by the contractor to his workmen.
11.	All common tools and tackles shall be supplied by the contractor. Including electric arc welding machine and gas cutting accessories.
12.	In case of rain, rain coats are to be supplied by the contractor for the persons working in open area.
13.	The contractor shall also strictly ensure that workmen are available on all days of the week in A, B, C and G-shifts. Weekly Offs to the workmen shall be given in a staggered manner and shall be decided by the Concerned Incharge/EIC. Contractor should be able to mobilize resources accordingly. However, in case of urgent requirement as informed by engineer in-charge, the contractor shall respond at site within 2 hours of notice period.
14.	General (G) shift working time is 9.00 AM to 5.30 PM. All persons should report to duty by 8.30 AM. In case of shift working, the persons should report to duty as per shift timings; viz: A (6:00 to 14:30 hrs.), B (14:00 to 22:30 hrs.) and C (22:00 to 06:30 hrs.).
15.	The contractor / site in charge should be accessible to the Area In charges / Officer concerned round the clock. The landline / mobile nos. of both contractor and supervisors to be furnished to the In-charges in Shift and General shift
16.	Weekly off for workmen shall be given in a staggered manner after every 6 days of work, not later than 9 days or not lesser than 3 days.

Terms and Conditions

WC-SERVICE / PR NO: **73004020**WORK DESCRIPTION: **Electrical Maintenance of Cranes / Hoists in SMS-2(2019).**

17.	The contractor must visit all areas of site and shall understand details of work and shall quote accordingly, after getting himself satisfied.
18.	The scope of materials supplies and consumables supply in the present proposal is as follows: <ol style="list-style-type: none"> Spare and Consumables supplied by VSP: As per requirement in BOQ. Materials to be supplied by contractor: NIL Consumables to be supplied by contractor: Nil
19.	Goods & Services Tax clause: The deduction of GST shall be done as per the rules prevailing from time to time.
20.	Work is to be done and completed to the satisfaction of the Shift-In-Charges who will do certification as per the work execution. His decision is final and binding regarding payment.
21.	Welfare allowances like Additional special miscellaneous Allowance (ASMA) and special miscellaneous Allowance (SMA) shall be paid to workmen every month, as per prevailing practice at VSP.
22.	The tenderer should clearly understand and comply with Factories act 1948 and relieve the female workers from their work-site within the restricted working hours prescribed there-in under Section 66(b)
23.	The contractor shall deploy the manpower for operation of A, B, C Shifts of converter and Caster Cranes as per list mentioned in TABLE-A below. TABLE-A (Manpower deployment A/B/C shifts) 1. Converter Cranes A/B/C shifts: 9 skilled+ 15 semi-skilled+ 3 un-skilled. (inclusive of workmen on weekly-off) 2. Caster Cranes A/B/C shifts: 6 skilled+ 9 semi-skilled+ 3 un-skilled. (inclusive of workmen on weekly-off)
24.	The contractor shall deploy the manpower for G-shift duty stations to complete the BOQ Jobs assigned by G-Shift In-charge as mentioned in TABLE-B below. TABLE B: Item No.1 to Item No.115 of BOQ jobs will be carried out from G-Shift duty station and manpower deployment for this job (Item based) will be in accordance with BOQ item requirement.

ADDITIONAL SPECIAL CONDITIONSWC-SERVICE / PR NO: **73004020**WORK DESCRIPTION: **Electrical Maintenance of Cranes / Hoists in SMS-2(2019)**

Cond. No.	Description of Additional Special Conditions
1.	Contractor shall possess valid electrical license issued by any state licensing board/authority to carry out operation and maintenance jobs on LT equipment up to 1000 volts.
2	Contractor shall make their own office inside the plant. The location and site for office will be shown /allotted by VSP. At the end of the contract period, contractor shall vacate the site. Before vacating the site, the contractor has to submit or return all the documents, checklists, logbooks and balance material to VSP.
3.	The contractor will not engage minor labour below 18 (eighteen) years of age under any circumstances.
4.	No contract employee will be allowed to report if he is not wearing the Personal Protective Equipment (PPE) like Safety helmet, Safety shoes, Etc. And it is for the contractor to provide the same at his cost.
5.	Before the start of the work, contractor has to furnish the copy of the height/ safety training passes to the engineer in charge in regard of manpower deployed by the contractor for this work.
6.	Contract workman will not be allowed to work spot without height/safety training passes. They have to carry the pass all the time with them.
7.	Contract workman will not be allowed to work at height if he does not possess the height pass and it is the responsibility of the contractor to mobilize alternative person to carry the job in case required.
8.	The contractor shall observe all labour and other statutory rules and regulation of State/Central Govt. in force including the Safety and Environmental rules & regulations.
9.	The full-fledged site in charge (Skilled workman) shall be identified for every duty station and in each shift shall have minimum qualification of Diploma in Electrical Engineering from a Government recognized polytechnic, with minimum 03 (three) years working experience or ITI in Electrical with a minimum of 05 (Five) years in maintenance of LT Switchgear in field. The copies of the same to be submitted to EIC before start of work.
10	All Semi-skilled persons should have minimum qualification of ITI in Electrical with a minimum of 03 (Three) years experience, in electrical switchgear respectively, from a Govt. recognized institute. The copies of the same to be submitted to EIC before start of work.
11.	The contractor need to envisage minimum 1 no fitter and welder Cum Gas cutter each for carrying out various fabrication / modification jobs in cranes and hoists.
12.	If in the opinion of the VSP any particular individual(s) are to be removed forthwith in interest of the organization, contractor shall also take all the necessary actions and ensure that production of the plant is not hampered due to such removal of individuals and immediately organize the suitable replacements.
13.	In case of any absenteeism of the deployed manpower to the duty, contractor need to inform the shift in-charges of the duty station day in advance.
14.	All Tools like screw drivers, pliers, spanners, cable stripper, hand crimping tool, torch, Etc. and Personal protective appliances required to operate the contract in three (03) sets for 03 duty stations is under the scope of contractor. Measuring instruments like Multi-meters, Tong Testers, Meggers, Lamp Testers, etc. are also under the scope of contractor. In case of failure of electrical measuring instruments, the contractor needs to immediately make alternative arrangement and ensure the availability of the same at the site. All Common tools and Tackles like Coupling and bearing Jaw/hydraulic pullers, large spanners, sledge hammers, Wrenches, greasing gun, heating device for mounting couplings / brake drums on parallel shafts, including Arc welding and gas cutting accessories are in scope of contractor

ADDITIONAL SPECIAL CONDITIONSWC-SERVICE / PR NO: **73004020**WORK DESCRIPTION: **Electrical Maintenance of Cranes / Hoists in SMS-2(2019)**

15.	All Tools used by the contractor must conform to IS / IPSS norms. List of tools and instruments shall be furnished with offer.
16.	The contractor is responsible for the safety and security compensation there-of with reference to all connected industrial laws of both state and central Govt.
17.	Man day means Eight and a half (08.5) hours working per day per man (including 30 minutes of lunch recess).
18.	At the end of the contract period all the cranes and maintenance hoists under the scope shall be handed over in satisfactory running condition.
19.	The contractor should have experience in executing electrical jobs at heights and especially on DSL systems with the manpower who have experience in doing such type of jobs.
20.	The manpower have to possess the Identity, Height and safety passes along with them during working hours.
21.	All persons shall wear required Personal Protective Equipment (PPE) like Safety helmet, Safety shoes, Etc., which shall be supplied by the Contractor at his cost.
22.	Where required, as per site conditions and instruction of EIC, persons shall wear Fire Retardant coats, dust-mask, hand-gloves, gum boots etc., which shall be supplied by the contractor at his cost.
23.	All the persons required to work at height, underground chambers, scaffoldings etc., must wear safety belt. Persons working at heights should possess height pass issued by the Safety Engineering Department. Safety belts shall be supplied by the Contractor at his cost.
24.	The contractor shall ensure usage of ISI marked regulators, hoses, nozzles, cutting torches, welding holders and cable for cutting and welding works, wherever applicable, which shall be adhered to strictly.
25.	All persons shall undergo safety induction training by VSP Safety department prior to commencement of contract.
26.	Shutdown / Permit-to-work must be taken from VSP before taking up any job on equipment. The supply dead condition to be checked and confirmed before start of shutdown jobs.
27.	During checking of operations of the crane, it has to be ensured that people stay away below the crane.
28.	Proper attention is required while on work with regard to movement of Hoists, Cranes, Conveyors and other Mobile equipment.
29.	Tenderer shall visit area of work and obtain first-hand information about prevailing work conditions and environment on Shop Floor.

INTEGRITY PACT

Rashtriya Ispat Nigam Limited (RINL) hereinafter referred to as **"The Principal" And**

M/s

hereinafter referred to as **"The Bidder/ Contractor"**

Preamble

The Principal intends to award, under laid down organizational procedure, a contract **"Electrical Maintenance of Cranes / Hoists in SMS-2 (2019)."** The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources, and of fairness/transparency in its relations with its Bidder(s) and/or Contractor(s). The Principal will nominate an Independent External Monitor (IEM) by name from the panel of IEMs, at the tender stage for monitoring the tender process and the execution of the contract in order to ensure compliance with the Integrity Pact by all the parties concerned.

Section 1 – Commitments of the Principal:

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
 - (a) No employee of the Principal, personally or through family members, will in connection with the tender or the execution of a contract, demand/take a promise/accept, for self or for third person, any material or non material benefit which the person is not legally entitled to.
 - (b) The Principal will, during the tender process treat all bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - (c) The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the PC Act / applicable law, or if there be a substantive suspicion in this regard, the Principal will inform Chief Vigilance Officer of RINL and in addition can initiate disciplinary action.

Section 2 – Commitments of the Bidder(s)/Contractor(s) :

- (1) The Bidder/Contractor commits to take all measures necessary to prevent corruption and commits to observe the following principles during his participation in the tender process/during the contract execution (in case of Bidder to whom the contract has been awarded).
 - (a) The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract or to vitiate the Principal's tender process or contract execution.
 - (b) The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non- submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process or to vitiate the Principal's tender process or execution of the contract.
 - (c) The Bidder/Contractor will not commit any offence under the PC Act/ Applicable law, like paying any bribes or giving illegal benefit to anyone including employees of RINL, to gain undue advantage in dealing with RINL or for any other reason etc. Further, the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship regarding plans, technical proposals and business details including information contained or transmitted electronically.
 - (d) The Bidder/Contractor of foreign origin shall disclose the name and address of the Agent(s)/representative(s) in India, if any. Similarly the Bidder/Contractor of Indian Nationality shall furnish the name and address of the foreign supplier/contract Agency, if any. Further details, as mentioned in the *Guidelines on Indian Agents of Foreign "Suppliers/contract agencies"*,

shall be disclosed by the bidder/Contractor wherever applicable. Further, as mentioned in the Guidelines, all the payments made to the Indian agent(s)/representative(s) have to be in Indian Rupees only.

Copy of the Guidelines on Indian Agents of Foreign "Suppliers/contract agencies" is enclosed.

- (e) The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made or committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts:

- (1) A transgression is considered to have occurred, if the principal after due consideration of the available evidence, concludes that a reasonable doubt is possible.
- (2) If the Bidder/Contractor, before award of contract or after award of contract has committed a transgression through a violation of Section 2 above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already awarded, for that reason, without prejudice to other remedies available to the Principal under the relevant GCC of the tender/contract.
- (3) If the bidder/Contractor has committed a transgression through a violation of any of the terms under Section-2 above or in any other form such as to put his reliability or credibility into question, the Principal is entitled also to exclude the bidder/Contractor from future tenders/Contract award processes. The imposition and duration of the exclusion will be determined by the principal keeping in view the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the bidder/Contractor and the amount of the damage.
- (4) If it is observed after payment of final bill but before the expiry of validity of Integrity pact that the contractor has committed a transgression through a violation of any of the terms under Section 2 above during the execution of contract, the Principal is entitled to exclude the Contractor from future tenders/Contract award processes.
- (5) The exclusion will be imposed for a minimum period of six (6) months and a maximum period of three (3) years.
- (6) If the bidder/Contractor can prove that he has restored/recouped the damage to the principal caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion before the expiry of the period of such exclusion.

Section 4 – Compensation for Damages:

- (1) If the Principal has disqualified the bidder from the tender process prior to the award in accordance with Section 3 above, the Earnest Money Deposit (EMD)/Bid security furnished, if any, along with the offer as per the terms of the Invitation to Tender (ITT) shall be forfeited. This is apart from the exclusion of the Bidder from future tenders as may be imposed by the Principal, as brought out at Section 3 above.
- (2) If the Principal has terminated the Contract in accordance with Section 3 above, or if the Principal is entitled to terminate the Contract in accordance with Section 3 above, the Security Deposit/performance bank guarantee furnished by the contractor, if any, as per the terms of the ITT/Contract shall be forfeited without prejudicing the rights and remedies available to the principal under the relevant General conditions of contract. This is apart from the exclusion of the Bidder from future tenders as may be imposed by the Principal, as brought out at Section 3 above.

Section 5 – Previous transgressions:

- (1) The Bidder declares that, to the best of his knowledge, no previous transgression occurred in the last five (05) years with any Company or Organization or Institution in any country or with any

Government in any country conforming to the anticorruption approach that could justify his exclusion from the tender process.

- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process. The contract, if already awarded, can be terminated for such reason.

Section 6 – Equal treatment of all Bidders/Contractors/Subcontractors:

- (1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors, he desires to appoint, a commitment in conformity with this Integrity Pact, and to submit it to the Principal at the time of seeking permission for such subcontracting.
- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- (3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s)/Contractor(s)/subcontractor(s):

If the Principal obtains knowledge of conduct of a Bidder, Contractor, Subcontractor, or of any employee or a representative or an associate of a Bidder/Contractor/ Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to CVO of RINL.

Section 8 – Independent External Monitor(s) [IEM(s)]:

- (1) The Principal appoints competent and credible Independent External Monitor with the approval of Central Vigilance Commission. The IEM reviews independently, the cases referred to him or written complaints with all details received directly by him to assess whether and to what extent the parties concerned complied with the obligations under this Integrity Pact.
- (2) In case of complaint/representations on compliance of the provisions of the Integrity Pact by any person/agency, the complaint/representation can be lodged by the aggrieved party with the Nodal Officer for IP of RINL or directly with the IEM. The Nodal Officer shall refer the complaint/representation so received by him to the IEM for his examination. Similarly, RINL in case of any doubt regarding compliance by any or all the bidders can lodge its complaint / make a reference to IEM through Nodal Officer. For ensuring the desired transparency and objectivity in dealing with the complaints arising out of the tendering process, the matter should be examined by the full panel of IEMs who would look into the records, conduct an investigation and submit their joint recommendations to the Management.
- (3) The IEM is not subject to instructions by both the parties and performs his functions neutrally and independently. The IEM will submit report to the CMD, RINL.
- (4) The Bidder(s)/Contractors(s) accepts that the IEM has the right to access without restriction, to all tender/contract documentation of the Principal including that provided by the Bidder/Contractor. The Bidder/Contractor will also grant the IEM, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his tender/contract documentation. The same is applicable to unrestricted and unconditional access to tenders / contract documentation of Subcontractors also. The IEM is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality.
- (5) IEM will have the right to attend any meeting between RINL and Counterparties in respect of the cases falling under the purview of IP.
- (6) As soon as the IEM notices, or believes to notice, a violation of this pact, he will so inform the Principal and request the Principal to discontinue or take corrective action or to take other relevant action. The IEM can in this regard submit non binding recommendations. Beyond this, the IEM has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (7) The IEM will submit a written report to the CMD, RINL within four (04) to six (06) weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for corrective actions for the violations or the breaches of the provisions of the agreement noticed by the IEM.

- (8) IEM may also submit a report directly to the CVO of RINL and the Central Vigilance Commission, in case of suspicion of serious irregularities attracting provisions of the PC Act/ applicable Law.
- (9) Expenses of IEM shall be borne by RINL/VSP as per terms of appointment of IEMs.
- (10) The word 'Monitor' means Independent External Monitor and would include both singular and plural.

Section 9 – Duration of the Integrity Pact:

- (1) This Pact comes into force upon signing by both the Principal and the Bidder/Contractor. It expires for the Contractor twelve (12) months after the last payment under the contract, and for all Bidders, six (06) months after the contract has been awarded and accordingly for the Principal after the expiry of respective periods stated above.
- (2) If any claim is made/lodged during the valid period of the IP, the same shall be binding and continue to be valid even after the lapse of this pact as specified above, unless it is discharged/determined by CMD of RINL.

Section 10 – Other provisions:

- (1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the principal, i.e. Visakhapatnam, State of Andhra Pradesh, India.
- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements to this pact have not been made.
- (3) If the Contractor is a partnership firm/ consortium, this agreement must be signed by all partners/ consortium members, or their Authorized Representative(s) by duly furnishing Authorization to sign Integrity Pact.
- (4) Should one or several provisions of this Pact turnout to be invalid, the remaining part of the Pact remain valid. In this case, the parties will strive to come to an agreement with regard to their original intentions.
- (5) Wherever he or his is indicated in the above sections, the same may be read as he/she or his/her, as the case may be. Similarly, wherever Counterparty or Bidder or Contractor is mentioned, the same would include both singular and plural.

(For & On behalf of the Principal)

(For & On behalf of Bidder/Contractor)

(Office Seal)

(Office Seal)

Place _____

Witness 1 :

Date: _____

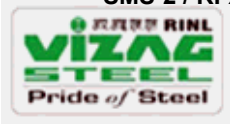
(Name & Address)

Witness 2 :

(Name & Address)

GUIDELINES FOR INDIAN AGENTS OF FOREIGN “SUPPLIERS/CONTRACT AGENCIES”

- 1.0 There shall be compulsory registration of Indian Agents of foreign suppliers/contract Agencies with RINL in respect of all Global (Open) Tenders and Limited Tenders. An agent who is not registered with RINL shall apply for registration in the prescribed Application Form.
 - 1.1 Registered agent needs to submit before the placement of order by RINL, an Original certificate issued by his foreign supplier/contract Agency (or an authenticated Photostat copy of the above certificate duly attested by a Notary Public) confirming the agency agreement and giving the status being enjoyed by the agent along with the details of the commission/ remuneration/salary/retainer being paid by them to the agent(s).
 - 1.2 Wherever the Indian representative has communicated on behalf of their foreign supplier/ contract Agency and/or the foreign supplier/contract Agency have stated that they are not paying any commission to their Indian agent(s) but paying salary or retainer, a written declaration to this effect given by the foreign supplier/contract Agency should be submitted before finalizing the contract.
- 2.0 DISCLOSURE OF PARTICULARS OF AGENT(S)/REPRESENTATIVE(S) IN INDIA, IF ANY:**
- 2.1 *Bidders of Foreign nationality shall furnish the following details in their quotation/bid:*
 - 2.1.1 The name and address of their agent(s)/representative(s) in India, if any, and the extent of authorization and authority given to them to commit them. In case the agent(s)/ representative(s) is a foreign Company, it shall be confirmed whether it is a really substantial Company and details of the company shall be furnished.
 - 2.1.2 The amount of commission/remuneration included in the quoted price(s) for such agent(s)/ representative(s) in India.
 - 2.1.3 Confirmation of the Bidder that the commission/remuneration if any, payable to his agent(s)/ representative(s) in India, may be paid by RINL in Indian Rupees only.
- 3.0 DISCLOSURE BY INDIAN AGENT(S) OF PARTICULARS OF THEIR FOREIGN SUPPLIER/ CONTRACT AGENCY AND FURNISHING OF REQUISITE INFORMATION:**
- 3.1 *Bidders of Indian Nationality shall furnish the following details/certificates in/alongwith their offers:*
 - 3.1.1 The name and address of foreign supplier/contract agency indicating their nationality as well as their status, i.e., manufacturer or agent of manufacturer holding the Letter of Authority.
 - 3.1.2 Specific Authorization letter by the foreign supplier/contract agency authorizing the agent to make an offer in India in response to tender either directly or through their agent(s)/ representative(s).
 - 3.1.3 The amount of commission/remuneration included for bidder in the price(s) quoted.
 - 3.1.4 Confirmation of the foreign supplier/contract Agency of the Bidder, that the commission/ remuneration, if any, reserved for the Bidder in the quoted price(s), may be paid by RINL in India in equivalent Indian Rupees.
 - 4.0 In either case, in the event of materialization of contract, the terms of payment will provide for payment of the commission/remuneration payable, if any, to the agent(s)/representative(s) in India in Indian Rupees, as per terms of the contract.
 - 4.1 Failure to furnish correct information in detail, as called for in para 2.0 and/or 3.0 above will render the bid concerned liable for rejection or in the event of materialization of contract; the same is liable for termination by RINL. Besides this, other actions like banning business dealings with RINL, payment of a named sum etc., may also follow.

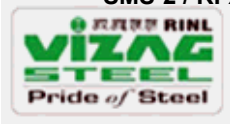


RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

PR No / Date: 73004020 / 19.12.2018	Report Date : 20.12.2018
Pur . Org.: WORKS CONTRACTS	
MSS: 3440714803 : ELECTRICAL MAINTENANCE OF CRANES/HOISTS	
ELECTRICAL MAINTENANCE OF CRANES/HOISTS IN SMS-2(2019)	

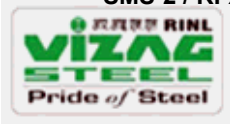
The BOQ Items are taken as per the following Rates.						
	Central Rates		VSP Rates			
Skilled	593.000		988.650			
Semi Skilled	506.000		848.450			
Unskilled	448.000		753.350			
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
1	410002634	INSTALLATION OF LT POWER CABLES COPPER/ ALUMINIUM ARMoured/ UNARMoured OF 1CORE * 400 TO 500 SQ.MM SIZES ON RACKS HOOKS CLAMPS HANGERS TRAYS ALONG WALL CEILING ETC AND THROUGH PIPES. (INSTALLATION OF IDENTIFICATION TAGS FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR). AS PER VSP/GS/20/6.6	100.000	M	14.91	1,491.00
2	410002635	INSTALLATION OF LT FLAT POWER CABLES COPPER/ALUMINIUM ARMoured/ UNARMoured OF 3 CORE 50 TO 95 SQ.MM + 3 CORE 10 TO 16 SQ.MM OR 2/3/3.5/4 CORE *95 SQ.MM + 1 CORE *35 SQ.MM SIZES ON FESTOON TROLLEYS (INSTALLATION OF IDENTIFICATION TAGS FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	80.000	M	37.30	2,984.00
3	410002636	INSTALLATION OF LT FLAT POWER CABLES COPPER/ALUMINIUM ARMoured/ UNARMoured OF 3 CORE 6 TO 35 SQ.MM + 3 CORE 1.5 TO 6 SQ.MM SIZES ON FESTOON TROLLEYS (INSTALLATION OF IDENTIFICATION TAGS FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	80.000	M	28.08	2,246.40
4	410002637	REMOVAL OF BURNT POWER CABLES FROM ITS LOCATION AND TRANSFERRING THE SAME TO SITE STORES FOR FOLLOWING SIZES, CU./AL. CABLES 1 CORE * 400/500 SQ MM	100.000	M	8.99	899.00
5	410002638	STRAIGHT THROUGH JOINTS FOR LT CU/ ALU. ARMoured/UNARMoured CABLES OF FOLLOWING SIZES :1 CORE * 400/500 SQ.MM	5.000	EA	280.84	1,404.20
6	410002639	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER CONDUCTOR PVC/BUTYLE RUBBER /PCP / ASBESTOS /GLASS FIBRE INSULATION/ HEAT RESISTANT /ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:1 CORE * 400/500 SQ.MM	5.000	EA	210.63	1,053.15
7	410002640	DISMANTLING OF 2X40W /1X40W/1X65W/2X65W FLUORSCENT FITTINGS/ HALOGEN FLOOD LIGHT FITTINGS WITH LAMPS AND OTHER ACCESSORIES CONFORMING TO ITEM NO.4 OF VSP/GS-21.INCLUDING DISMANTLING THE DAMAGED FITTINGS AND SHIFTING TO SITE STORES. SINGLE/DOUBLE FITTINGS.	30.000	EA	140.41	4,212.30



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
8	410002641	RECTIFICATION OF 250W TO 400 W HPSV/ HPMV/LPSV FLOOD LIGHT FITTINGS INCLUDING CHANGE OF CONTROL GEAR BOX/BALLAST/ CONTROL CABLE INCLUDING SHIFTING FROM AND TO SITE STORES AND CABLE LAYING.	30.000	EA	280.84	8,425.20
9	410002642	REPLACEMENT OF DAMAGED DSL INDICATION LAMP UNIT WITH LAMPS INCLUDING REMOVAL AND RE TERMINATION OF CABLES.	20.000	EA	561.67	11,233.40
10	410002643	MAINTENANCE OF DSL SYSTEMS CONSISTS OF 7 (RAIL/ANGLES). MAINTENANCE INCLUDES CLEANING, REPLACEMENT/REPAIR OF DSL ANGLES INCLUDING STRAIGHTENING, RE-ERECTION, ALIGNMENT, REPLACEMENT OF BAD BROKEN INSULATORS / CURRENT COLLECTORS (METER/BAY).	200.000	M	119.58	23,916.00
11	410002644	REPAIR/REPLACEMENT AND ALIGNMENT OF ENTIRE MAIN CURRENT COLLECTOR CAGE (7-TIER DSL).	10.000	EA	5,752.48	57,524.80
12	410002645	CLEANING OF INSULATORS, TIGHTENING OF FASTENERS ETC. OF 7-TIER DSL-RACK / BRACKET. RAIL TYPE DSL.	400.000	EA	59.68	23,872.00
13	410002646	FABRICATION OF FESTOON CABLE TROLLEYS FROM GUIDE ROLLERS & STEEL SUPPLIED BY VSP AND SHIFTING OF TROLLEYS TO THE SITE/REPLACEMENT OF SAME IN THE CRANE AFTER REMOVING THE OLD ONE (EXCLUDING CABLE WORK). 3-TIER	5.000	EA	2,984.50	14,922.50
14	410002647	REPLACEMENT OF DAMAGED, THREE PHASE, 415/500/ 690/1000 VAC/VDC, 100/250/400 AMPS, TRIPLE POLE WITH NEUTRAL LINK WEATHER PROOF METAL CLAD AIR BREAK SWITCH FUSE UNIT. / MCCB'S THREE POLE MCCB WITH TRIPPING / CONTACTORS INCLUDING REMOVAL, RE TERMINATION OF CABLES AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE RESPECTIVELY.	25.000	EA	746.11	18,652.75
15	410002648	REPLACEMENT OF DAMAGED, THREE PHASE, 415/500/ 690/1000 VAC/VDC, 630/1600 AMPS, TRIPLE POLE WITH NEUTRAL LINK WEATHER PROOF METAL CLAD AIR BREAK SWITCH FUSE UNIT. / MCCB'S THREE POLE MCCB WITH TRIPPING / CONTACTORS INCLUDING REMOVAL, RE TERMINATION OF CABLES AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE RESPECTIVELY.	10.000	EA	1,492.26	14,922.60
16	410002649	REPLACEMENT OF DAMAGED 24/110/220-240/415 VAC/ VDC, UP TO 50AMPS CONTACTOR, RELAY, MCB, TIMER, SMPS, HOOTER, SIREN, SELECTOR SWITCHES, COOLING FAN, POWER SOCKETS ETC INCLUDING REMOVAL, RE TERMINATION OF CABLES AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE RESPECTIVELY.	100.000	EA	280.84	28,084.00
17	410002650	REPLACEMENT OF DAMAGED 50 KVA TO 200 KVA TRANSFORMER INCLUDING REMOVAL, RE TERMINATION OF CABLES AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE	5.000	EA	746.11	3,730.55



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		RESPECTIVELY.				
18	410002651	REPLACEMENT OF DAMAGED TRANSFORMERS UPTO 50 KVA INCLUDING REMOVAL, RE TERMINATION OF CABLES AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE RESPECTIVELY.	15.000	EA	561.67	8,425.05
19	410002652	REPLACEMENT OF DAMAGED COMPONENTS LIKE IGBTs/ THYRISTORS/ DIODE/ RECTIFIER BRIDGE ALONG WITH CONNECTED ELECTRONIC CARDS/ ADAPTERS IN VFD MODULE, INCLUDING REMOVAL, RE TERMINATION OF CABLES AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE RESPECTIVELY.	50.000	EA	1,119.18	55,959.00
20	410002653	REPLACEMENT OF DAMAGED AC/DC BUS BARS IN THE ELECTRICAL PANEL / VFD MODULE INCLUDING REMOVAL, RE TERMINATION OF CABLES AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE RESPECTIVELY. (SET 3 BUS BARS OF 1 MT LENGTH)	10.000	SET	561.67	5,616.70
21	410002654	REPLACEMENT OF DAMAGED HMI/ ENCODERS / PLC DI/DO MODULES/PLC RELAY BOARDS DIGITAL SWITCH/ DEVICE/MASTER CONTROLLER/ INCLUDING REMOVAL, RE TERMINATION OF CABLES AND AND SHIFTING OF THE NEW/DAMAGED ITEM FROM / TO SITE STORE RESPECTIVELY.	50.000	EA	421.25	21,062.50
22	410002655	REPLACEMENT OF PLC SYSTEM CONSISTING OF DI/DO MODULES AND RELAY BOARDS IN COMPLETE	30.000	EA	561.67	16,850.10
23	410002656	REPLACEMENT OF DAMAGED MAGNET CRD DRUM INCLUDING REMOVAL OF TERMINATIONS, SHIFTING OF OLD / NEW CABLE TO/FROM SITE STORE RESPECTIVELY, LAYING OF NEW CABLE ON TO DRUM, TERMINATION OF THE SAME AND TO TEST AND COMMISSION THE MAGNET..	10.000	EA	1,685.03	16,850.30
24	410002657	REPLACEMENT OF DAMAGED SLIP RINGS, BEARINGS INCLUDES REMOVAL AND RE INSTALLATION OF CABLE ON MAGNET CRD WITH TERMINATIONS, TESTING AND COMMISSIONING OF CABLE.	10.000	EA	1,917.49	19,174.90
25	410002658	PREVENTIVE MAINTENANCE OF CRANES OF CAPACITY OF 250 T	192.000	EA	3,409.75	654,672.00
26	410002659	PREVENTIVE MAINTENANCE OF CRANES OF CAPACITY OF ABOVE 30T AND UPTO 125 T	288.000	EA	2,615.60	753,292.80
27	410002660	PREVENTIVE MAINTENANCE OF CRANES OF CAPACITY OF UP TO AND INCLUSIVE OF 30T	425.000	EA	1,492.26	634,210.50
28	410002661	MAINTENANCE OF TELFER	125.000	EA	746.11	93,263.75
29	410002662	REPLACEMENT OF DIFFERENT TYPES OF BATTERIES BEING USED ON THE CRANES ALONG WITH ITS ACCESSORIES	10.000	EA	1,492.26	14,922.60
30	410000503	INSTALLATION OF LT POWER CABLES COPPER/ALUMINIUM ARMoured/ UNARMoured OF 2/3/3.5/4 CORE * 240 TO 300 SQ.MM SIZES ON RACKS,HOOKS,CLAMPS,HANGERS,TRAYS ALONG WALL CEILING ETC AND THROUGH PIPES.(INSTALLATION OF IDENTIFICATION TAGS,FIXING CLAMPS AND SADDLES	150.000	M	27.67	4,150.50



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

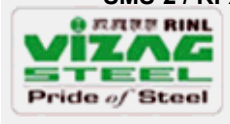
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6				
31	410000504	INSTALLATION OF LT POWER CABLES COPPER/ALUMINIUM ARMoured/ UNARMoured OF 2/3/3.5/4 CORE * 150 TO 185 SQ.MM SIZES ON RACKS,HOOKS,CLAMPS,HANGERS,TRAYS ALONG WALL CEILING ETC AND THROUGH PIPES.(INSTALLATION OF IDENTIFICATION TAGS,FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	150.000	M	24.03	3,604.50
32	410000505	INSTALLATION OF LT POWER CABLES COPPER/ALUMINIUM ARMoured/ UNARMoured OF 2/3/3.5/4 CORE *70 TO 120 SQ.MM SIZES ON RACKS,HOOKS,CLAMPS,HANGERS,TRAYS ALONG WALL CEILING ETC AND THROUGH PIPES.(INSTALLATION OF IDENTIFICATION TAGS,FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	200.000	M	20.07	4,014.00
33	410000506	INSTALLATION OF LT POWER CABLES COPPER/ALUMINIUM ARMoured/ UNARMoured OF 2/3/3.5/4 CORE *16 TO 50 SQ.MM SIZES ON RACKS,HOOKS,CLAMPS,HANGERS,TRAYS ALONG WALL CEILING ETC AND THROUGH PIPES.(INSTALLATION OF IDENTIFICATION TAGS,FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	250.000	M	15.00	3,750.00
34	410000507	INSTALLATION OF LT POWER CABLES COPPER/ALUMINIUM ARMoured/ UNARMoured OF 2/3/3.5/4 CORE * 6 TO 10 SQ.MM SIZES ON RACKS,HOOKS,CLAMPS,HANGERS,TRAYS ALONG WALL CEILING ETC AND THROUGH PIPES.(INSTALLATION OF IDENTIFICATION TAGS,FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	200.000	M	10.02	2,004.00
35	410000509	INSTALLATION OF LT CABLES 1.1KV GRADE PVC INSULATED AND SHEATHED ARMoured,UNARMoured CU./ AL.CONTROL CABLE OF 1-9CORE*1.5/2.5 SQ.MM AND 2CORE*4 SQ.MM SIZES ON RACKS,HOOKS,CLAMPS,HANGERS,TRAYS ALONG WALL CEILING ETC.AND THROUGH PIPES AS PER VSP/GS/20/6.6.(INSTALLATION OF IDENTIFICATION TAGS,FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	300.000	M	10.02	3,006.00
36	410000510	INSTALLATION OF LT CABLES 1.1KV GRADE PVC INSULATED AND SHEATHED ARMoured,UNARMoured CU./ AL.CONTROL CABLE OF 10-19 CORE * 1.5/2.5 SQ.MM SIZES ON RACKS,HOOKS,CLAMPS,HANGERS,TRAYS ALONG WALL CEILING ETC.AND THROUGH PIPES AS PER VSP/GS/20/6.6.(INSTALLATION OF IDENTIFICATION TAGS,FIXING CLAMPS AND SADDLES FOR CABLES ARE IN THE SCOPE OF CONTRACTOR).AS PER VSP/GS/20/6.6	200.000	M	11.87	2,374.00



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
37	410000541	REMOVAL OF BURNT POWER CABLES FROM ITS LOCATION AND TRANSFERING THE SAME TO SITE STORES FOR FOLLOWING SIZES,CU./AL.CABLES.1-CORE*625 SQ.MM,2/3/3.5/4 CORE*240/300 SQ.MM	150.000	M	12.27	1,840.50
38	410000542	REMOVAL OF BURNT POWER CABLES FROM ITS LOCATION AND TRANSFERING THE SAME TO SITE STORES FOR FOLLOWING SIZES,CU./AL.CABLES.2/3/3.5/4 CORE * 185/150/120 SQ.MM	150.000	M	15.62	2,343.00
39	410000543	REMOVAL OF BURNT POWER CABLES FROM ITS LOCATION AND TRANSFERING THE SAME TO SITE STORES FOR FOLLOWING SIZES,CU./AL.CABLES.2/3/3.5/4 CORE* 95/70/50 SQ.MM	150.000	M	11.86	1,779.00
40	410000544	REMOVAL OF BURNT POWER CABLES FROM ITS LOCATION AND TRANSFERING THE SAME TO SITE STORES FOR FOLLOWING SIZES,CU./AL.CABLES.3/3.5/4 CORE (POWER CABLES) * BELOW 50 SQ.MM AND ALL CU./ALU.CABLES.	300.000	M	8.45	2,535.00
41	410000532	STRAIGHT THROUGH JOINTS FOR LT CU/ ALU.ARMoured/UNARMoured CABLES OF FOLLOWING SIZES:3/3.5/4 CORE * 240/300 SQ.MM	10.000	EA	657.62	6,576.20
42	410000533	STRAIGHT THROUGH JOINTS FOR LT CU/ ALU.ARMoured/UNARMoured CABLES OF FOLLOWING SIZES:3/3.5/4 CORE * 185/150 SQ.MM	10.000	EA	589.80	5,898.00
43	410000534	STRAIGHT THROUGH JOINTS FOR LT CU/ ALU.ARMoured/UNARMoured CABLES OF FOLLOWING SIZES:3/3.5/4 CORE * 120/95/70 SQ.MM	10.000	EA	631.87	6,318.70
44	410000535	STRAIGHT THROUGH JOINTS FOR LT CU/ ALU.ARMoured/UNARMoured CABLES OF FOLLOWING SIZES:3/3.5/4 CORE * 50/35/25 SQ.MM	15.000	EA	547.67	8,215.05
45	410000536	STRAIGHT THROUGH JOINTS FOR LT CU/ ALU.ARMoured/UNARMoured CABLES OF FOLLOWING SIZES:3/3.5/4 CORE * 4 TO 16 SQ.MM	15.000	EA	379.15	5,687.25
46	410000537	STRAIGHT THROUGH JOINTS FOR 1.1KV GRADE PVC INSULATED AND PVC SHEATHING CU./ ALU.CONTROL CABLES OF FOLLOWING SIZES:1-5 CORE * 1.5/2.5 SQ.MM	20.000	EA	101.73	2,034.60
47	410000538	STRAIGHT THROUGH JOINTS FOR 1.1KV GRADE PVC INSULATED AND PVC SHEATHING CU./ ALU.CONTROL CABLES OF FOLLOWING SIZES:6-10 CORE * 1.5/2.5 SQ.MM	25.000	EA	135.65	3,391.25
48	410000539	STRAIGHT THROUGH JOINTS FOR 1.1KV GRADE PVC INSULATED AND PVC SHEATHING CU./ ALU.CONTROL CABLES OF FOLLOWING SIZES:12-19 CORE * 1.5/2.5 SQ.MM	40.000	EA	169.54	6,781.60
49	410000518	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER CONDUCTOR PVC/BUTYLE RUBBER /PCP /ASBESTOS /GLASS FIBRE INSULATION/HEAT RESISTANT/ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:3/3.5/4 CORE * 240/300 SQ.MM	20.000	EA	129.75	2,595.00
50	410000519	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER	20.000	EA	110.26	2,205.20



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		CONDUCTOR PVC/BUTYLE RUBBER /PCP /ASBESTOS /GLASS FIBRE INSULATION/HEAT RESISTANT/ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:3/3.5/4 CORE * 150/185 SQ.MM				
51	410000521	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER CONDUCTOR PVC/BUTYLE RUBBER /PCP /ASBESTOS /GLASS FIBRE INSULATION/HEAT RESISTANT/ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:2/3/3.5/4 CORE * 120/95/70 SQ.MM	30.000	EA	116.91	3,507.30
52	410000522	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER CONDUCTOR PVC/BUTYLE RUBBER /PCP /ASBESTOS /GLASS FIBRE INSULATION/HEAT RESISTANT/ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:2/ 3/3.5/4 CORE * 50/35 SQ.MM	60.000	EA	83.48	5,008.80
53	410000523	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER CONDUCTOR PVC/BUTYLE RUBBER /PCP /ASBESTOS /GLASS FIBRE INSULATION/HEAT RESISTANT/ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:2/ 3/3.5/4 CORE * 25/16 SQ.MM	30.000	EA	66.80	2,004.00
54	410000524	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER CONDUCTOR PVC/BUTYLE RUBBER /PCP /ASBESTOS /GLASS FIBRE INSULATION/HEAT RESISTANT/ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:2/3/3.5/4 CORE * 10/6 SQ.MM	30.000	EA	50.15	1,504.50
55	410000525	TERMINATION OF 1.1KV GRADE ALUMINIUM /COPPER CONDUCTOR PVC/BUTYLE RUBBER /PCP /ASBESTOS /GLASS FIBRE INSULATION/HEAT RESISTANT/ARMoured / UNARMoured CABLES OF THE FOLLOWING SIZES:2/ 3/3.5/4 CORE * 4 SQ.MM	30.000	EA	41.80	1,254.00
56	410000526	TERMINATION OF 1.1KV GRADE PVC INSULATED AND SHEATHED CU./ALU.CONTROL CABLE OF FOLLOWING SIZES:1-5 CORE * 1.5/2.5 SQ.MM	50.000	EA	16.73	836.50
57	410000527	TERMINATION OF 1.1KV GRADE PVC INSULATED AND SHEATHED CU./ALU.CONTROL CABLE OF FOLLOWING SIZES:6-10 CORE * 1.5/2.5 SQ.MM	60.000	EA	50.85	3,051.00
58	410000528	TERMINATION OF 1.1KV GRADE PVC INSULATED AND SHEATHED CU./ALU.CONTROL CABLE OF FOLLOWING SIZES:12-19 CORE * 1.5/2.5 SQ.MM	40.000	EA	67.82	2,712.80
59	410000546	INSTALLATION AND COMMISSIONING OF 250-400W,2X250W HPSV/HPMV/LPSV,WELL GLASS /FLOOD LIGHT/HIGH BAY/MEDIUMBAY/BULK HEAD COMPLETE LIGHT FITTINGS WITH LAMPS AND OTHER ACCESSORIES CONFORMING TO ITEM NO.4 OF VSP / GS-21.INCLUDING HANDLING AND TRANSPORTATION FROM SITE STORES AND CABLE LAYING (NOT MORE THAN 10MTRS).	10.000	EA	292.67	2,926.70
60	410000547	INSTALLATION AND COMMISSIONING OF 2X40W /1X40W/1X65W/2X65W FLUORSCENT FITTINGS/ HALOGEN FLOOD LIGHT FITTINGS,WITH LAMPS AND OTHER ACCESSORIES CONFORMING TO ITEM NO.4 OF VSP/GS-21.INCLUDING HANDLING AND	10.000	EA	176.93	1,769.30



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

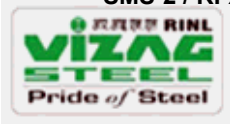
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		TRANSPORTATION FROM SITE STORES AND CABLE LAYING (NOT MORE THAN 10 METERS).SINGLE/DOUBLE FITTINGS.				
61	410000554	DISMANTLING OF HPSV/HPMV/INCANDESCENT,250-400W,HPSV/HPMV/LPSV,HIGH BAY/MEDIUM BAY,FLOOD LIGHT FITTINGS,JBS,CONTROL GEAR,HOOBS,CEILING ROSE AND WIRING TO THE POINT,LOCATED ON WALLS /CEILING / STRUCTURES/EQUIPMENTS INCLUDING SHIFING DISMENTLED MATERIAL TO SITE STORES.	15.000	EA	153.63	2,304.45
62	410000557	INSTALLATION OF G.I STRIPS EMBEDDED / ALONGWITH STRUCTURES FOR THE FOLLOWING SIZES:25 X 3MM	10.000	M	42.34	423.40
63	410000558	INSTALLATION OF G.I STRIPS EMBEDDED / ALONGWITH STRUCTURES FOR THE FOLLOWING SIZES:50 X 6MM	10.000	M	50.80	508.00
64	410000560	REPLACEMENT/ERECTION OF JUNCTION BOXES / CONTROL DESKS /CONTROL PENDENT /MCCB DBS WHICH INCLUDE FABRICATION AND FIXING OF BASE,LAYING OF CONDUIT,GROUTING,CABLING AND CABLE TERMINATION.UPTO AND INCLUDING 200*200*200MM	5.000	EA	505.50	2,527.50
65	410000561	REPLACEMENT/ERECTION OF JUNCTION BOXES / CONTROL DESKS /CONTROL PENDENT /MCCB DBS WHICH INCLUDE FABRICATION AND FIXING OF BASE,LAYING OF CONDUIT,GROUTING,CABLING AND CABLE TERMINATION.ABOVE 200*200*200 AND UPTO INCLUDING 600*600*300MM	5.000	EA	752.57	3,762.85
66	410000562	REPLACEMENT/ERECTION OF JUNCTION BOXES / CONTROL DESKS /CONTROL PENDENT /MCCB DBS WHICH INCLUDE FABRICATION AND FIXING OF BASE,LAYING OF CONDUIT,GROUTING,CABLING AND CABLE TERMINATION.ABOVE 600*600*300MM AND UPTO INCLUDING 1000*1000*400MM.	5.000	EA	1,263.84	6,319.20
67	410000563	REPLACEMENT/ERECTION OF JUNCTION BOXES / CONTROL DESKS /CONTROL PENDENT /MCCB DBS WHICH INCLUDE FABRICATION AND FIXING OF BASE,LAYING OF CONDUIT,GROUTING,CABLING AND CABLE TERMINATION.ABOVE 1000*1000*400MM AND UPTO INCLUDING 2000*1300*420MM.	5.000	EA	1,706.72	8,533.60
68	410000567	FABRICATION & INSTALLATION OF PANEL BASES SUPPORTS/RACKS/PLATFORMS/CANOPIES /CABLE TRAYS /COVERS OF STEEL COMPRISING OF ANGLES,CHANNELS,PLATES,SHEETS WITH 2-COATS OF RED OXIDE PRIMER.	5.000	TO	6,755.29	33,776.45
69	410000568	MAINTENANCE OF DSL SYSTEMS CONSISTS OF 4 (RAIL/ANGLES).MAINTENANCE INCLUDES CLEANING,REPLACEMENT/REPAIR OF DSL ANGLES INCLUDING STRAIGHTENING,RE-ERECTION,ALIGNMENT ,REPLACEMENT OF BAD BROKEN INSULATORS / CURRENT COLLECTORS (MTR/ BAY)	200.000	M	115.62	23,124.00
70	410000569	MAINTENANCE OF DSL SYSTEMS.MAINTENANCE	400.000	M	73.77	29,508.00



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

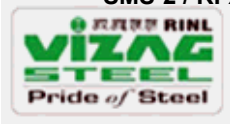
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		INCLUDES CLEANING,REPLACEMENT / REPAIR OF DSL ANGLES INCLUDING STRAIGHTENING,RE-ERECTION,ALIGNMENT.(MTR/ BUSBAR)				
71	410000570	WELDING OF BI-METALLIC STRIP(STEEL-ALUMINIUM) TO CRANE TROLLEY LINES 185 TO 625 SQ.MM.	40.000	EA	179.40	7,176.00
72	410000571	REPAIR/REPLACEMENT AND ALIGNMENT OF SUPPORTING BRACKETS OF MAIN CURRENT COLLECTOR CAGE INCLUDING REPLACEMENT OF VERTICLE MEMBERS OF THE BRACKETS FOR CRANES ABOVE 50T(PER BUS)	20.000	EA	613.48	12,269.60
73	410000572	REPAIR/REPLACEMENT AND ALIGNMENT OF ENTIRE MAIN CURRENT COLLECTOR CAGE (4-TIER DSL).	3.000	EA	7,186.92	21,560.76
74	410000573	REPAIR/REPLACEMENT OF TRAILING CABLE SYSTEM,(ROPE TYPE MAX.10MM) WITH GUIDE ROLLS/RINGS AND TURN BUCKLE FOR CRANES / TELFERS/ TRANSFER CARS.	100.000	M	167.48	16,748.00
75	410000577	CLEANING OF INSULATORS,TIGHTENING OF FASTENERS ETC.OF 4-TIER DSL-RACK / BRACKET.RAIL TYPE DSL	400.000	EA	55.83	22,332.00
76	410000578	CLEANING OF INSULATORS,TIGHTENING OF FASTENERS ETC.OF 4-TIER DSL-RACK / BRACKET.ANGLE TYPE DSL	400.000	EA	37.86	15,144.00
77	410000579	REPAIR/REPLACEMENT OF 4-TIER DSL-RACK COMPLETE.RAIL TYPE DSL	25.000	EA	653.92	16,348.00
78	410000580	REPAIR/REPLACEMENT OF 4-TIER DSL-RACK COMPLETE.ANGLE TYPE DSL	25.000	EA	500.41	12,510.25
79	410000581	REPLACEMENT AND ALIGNMENT OF DSL-BUSBAR.ANGLE 50X50MM / 75X75MM	250.000	M	51.96	12,990.00
80	410000582	REPLACEMENT AND ALIGNMENT OF DSL-BUSBAR.RAIL	50.000	M	101.67	5,083.50
81	410000583	REPLACEMENT OF INSULATED BRACKETS / SET OF INSULATORS (TWO) OF DSL-RACK.ANGLE 50X50MM / 75X75MM	100.000	SET	201.58	20,158.00
82	410000584	REPLACEMENT OF INSULATED BRACKETS / SET OF INSULATORS (TWO) OF DSL-RACK.RAIL	25.000	SET	328.97	8,224.25
83	410000585	REPAIR/REPLACEMENT OF STEEL-AL STRAPS/ JUMPERS AT EXPANSION JOINTS.	50.000	EA	199.38	9,969.00
84	410000586	FABRICATION OF FESTOON CABLE TROLLIES FROM GUIDE ROLLERS & STEEL SUPPLIED BY VSP AND SHIFTING OF TROLLIES TO THE SITE/REPLACEMENT OF SAME IN THE CRANE AFTER REMOVING THE OLD ONE (EXCLUDING CABLE WORK).1-TIER	5.000	EA	891.14	4,455.70
85	410000587	FABRICATION OF FESTOON CABLE TROLLIES FROM GUIDE ROLLERS & STEEL SUPPLIED BY VSP AND SHIFTING OF TROLLIES TO THE SITE/REPLACEMENT OF SAME IN THE CRANE AFTER REMOVING THE OLD ONE (EXCLUDING CABLE WORK). 2-TIER	5.000	EA	1,108.45	5,542.25
86	410000588	REMOVAL OF FESTOON TROLLEY CABLES,REPAIR/REPLACEMENT OF DEFECTIVE CABLES (IF ANY)/ FIXING OF CABLES BACK ON TO THE	10.000	EA	121.60	1,216.00



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

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		TROLLEY,DRESSING LOOP ADJUSTMENT & CLAMPING OF CABLES, FIXING OF DOG CHAINS (RATES PER TROLLEY). 1-TIER				
87	410000589	REMOVAL OF FESTOON TROLLEY CABLES, REPAIR/REPLACEMENT OF DEFECTIVE CABLES (IF ANY)/ FIXING OF CABLES BACK ON TO THE TROLLEY, DRESSING LOOP ADJUSTMENT & CLAMPING OF CABLES, FIXING OF DOG CHAINS (RATES PER TROLLEY). 2-TIER	5.000	EA	245.21	1,226.05
88	410000590	REMOVAL OF FESTOON TROLLEY CABLES, REPAIR/REPLACEMENT OF DEFECTIVE CABLES (IF ANY)/ FIXING OF CABLES BACK ON TO THE TROLLEY, DRESSING LOOP ADJUSTMENT & CLAMPING OF CABLES, FIXING OF DOG CHAINS (RATES PER TROLLEY). 3-TIER	5.000	EA	338.93	1,694.65
89	410000591	REMOVAL OF FESTOON CABLE TROLLEY DAMAGED ROLLERS AND FIXING OF NEW ROLLERS.DURING REPLACEMENT OF ROLLERS TROLLEY IS TO BE SAFELY SECURED IN POSITION (SUPPLY OF NEW ROLLER IN SCOPE OF VSP).	100.000	EA	60.36	6,036.00
90	410000592	REPLACEMENT AND ALIGNMENT OF I-BEAM OF ISMB-150 FOR FESTOON TROLLEY ON THE CRANE INCLUDING DISMENTLING OF CABLE GUIDE ROLLER AND RE-ERECTION OF THE SAME.	50.000	M	680.67	34,033.50
91	410000607	DISMENTLING AND REPLACEMENT OF LIMIT SWITCHES.	20.000	EA	330.23	6,604.60
92	410000610	REMOVAL OF THE A.C MOTOR OF FOLLOWING CAPACITIES.THE JOB INCLUDES REMOVAL OF THE MOTOR FROM THE FOUNDATION.REMOVAL OF THE COUPLING,BRAKE DRUM,PULLEY,TACHO (WHENEVER APPLICABLE) & TRANSPORTING THE MOTOR FROM SITE TO ERS (VEHICLE FOR TRANSPORT VSP SCOPE) 5.0 KW TO 15 KW	15.000	EA	850.69	12,760.35
93	410000611	REMOVAL OF THE A.C MOTOR OF FOLLOWING CAPACITIES.THE JOB INCLUDES REMOVAL OF THE MOTOR FROM THE FOUNDATION.REMOVAL OF THE COUPLING,BRAKE DRUM,PULLEY,TACHO (WHENEVER APPLICABLE) & TRANSPORTING THE MOTOR FROM SITE TO ERS (VEHICLE FOR TRANSPORT VSP SCOPE) 15.1 KW TO 45 KW	20.000	EA	1,067.16	21,343.20
94	410000612	REMOVAL OF THE A.C MOTOR OF FOLLOWING CAPACITIES .THE JOB INCLUDES REMOVAL OF THE MOTOR FROM THE FOUNDATION .REMOVAL OF THE COUPLING, BRAKE DRUM,PULLEY, TACHO (WHENEVER APPLICABLE) & TRANSPORTING THE MOTOR FROM SITE TO ERS (VEHICLE FOR TRANSPORT VSP SCOPE) 45.1 KW TO 100 KW	10.000	EA	1,422.87	14,228.70
95	410000613	REMOVAL OF THE A.C MOTOR OF FOLLOWING CAPACITIES .THE JOB INCLUDES REMOVAL OF THE MOTOR FROM THE FOUNDATION .REMOVAL OF THE COUPLING, BRAKE DRUM,PULLEY, TACHO (WHENEVER	10.000	EA	2,352.02	23,520.20



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

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		APPLICABLE) & TRANSPORTING THE MOTOR FROM SITE TO ERS (VEHICLE FOR TRANSPORT VSP SCOPE) 100.1 KW TO 180 KW				
96	410000614	INSTALLATION OF THE A.C MOTOR OF FOLLOWING CAPACITIES.THE JOB INCLUDES COLLECTING FROM ERS / STORES & TRANSPORTING TO THE SITE, FIXING THE COUPLING/PULLEY/BREAK DRUMS, PLACEMENT, ALIGNMENT, TERMINATION, TESTING & COMMISSIONING (VEHICLE FOR TRANSPORT UNDER VSP SCOPE). WHERE REQUIRED MODIFICATION TO MOTOR BASE FRAME HAS TO BE CARRIED OUT. 5.0 KW TO 15 KW	15.000	EA	1,067.16	16,007.40
97	410000615	INSTALLATION OF THE A.C MOTOR OF FOLLOWING CAPACITIES.THE JOB INCLUDES COLLECTING FROM ERS / STORES & TRANSPORTING TO THE SITE, FIXING THE COUPLING/PULLEY/BREAK DRUMS, PLACEMENT , ALIGNMENT, TERMINATION , TESTING & COMMISSIONING (VEHICLE FOR TRANSPORT UNDER VSP SCOPE). WHERE REQUIRED MODIFICATION TO MOTOR BASE FRAME HAS TO BE CARRIED OUT. 15.1 KW TO 45 KW	20.000	EA	1,226.69	24,533.80
98	410000616	INSTALLATION OF THE A.C MOTOR OF FOLLOWING CAPACITIES.THE JOB INCLUDES COLLECTING FROM ERS / STORES & TRANSPORTING TO THE SITE, FIXING THE COUPLING/PULLEY/BREAK DRUMS, PLACEMENT , ALIGNMENT, TERMINATION , TESTING & COMMISSIONING (VEHICLE FOR TRANSPORT UNDER VSP SCOPE). WHERE REQUIRED MODIFICATION TO MOTOR BASE FRAME HAS TO BE CARRIED OUT. 45.1 KW TO 100 KW	10.000	EA	1,590.05	15,900.50
99	410000617	INSTALLATION OF THE A.C MOTOR OF FOLLOWING CAPACITIES.THE JOB INCLUDES COLLECTING FROM ERS / STORES & TRANSPORTING TO THE SITE, FIXING THE COUPLING/PULLEY/BREAK DRUMS, PLACEMENT , ALIGNMENT, TERMINATION , TESTING & COMMISSIONING (VEHICLE FOR TRANSPORT UNDER VSP SCOPE). WHERE REQUIRED MODIFICATION TO MOTOR BASE FRAME HAS TO BE CARRIED OUT. 100.1 KW TO 180 KW	10.000	EA	3,304.49	33,044.90
100	410000626	REMOVAL OF COUPLING / BRAKE DRUM FROM BOTH AC / DC MOTORS.THE JOB INCLUDES REMOVAL OF CHECK/ LOCK-NUTS, COUPLING / DRUM SHIFTING IT TO THE SECTION WORK SHOP (VEHICLE IF REQUIRED FOR TRANSPORTATION UNDER VSP SCOPE) 15.1 TO 45.0 KW INCLUDING 45 KW.	15.000	EA	163.61	2,454.15
101	410000627	REMOVAL OF COUPLING / BRAKE DRUM FROM BOTH AC / DC MOTORS.THE JOB INCLUDES REMOVAL OF CHECK/ LOCK-NUTS, COUPLING / DRUM SHIFTING IT TO THE SECTION WORK SHOP (VEHICLE IF REQUIRED FOR TRANSPORTATION UNDER VSP SCOPE) 45.1 TO 100.0 KW INCLUDING 100 KW	10.000	EA	219.46	2,194.60



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

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102	410000628	REMOVAL OF COUPLING / BRAKE DRUM FROM BOTH AC / DC MOTORS.THE JOB INCLUDES REMOVAL OF CHECK/ LOCK-NUTS, COUPLING / DRUM SHIFTING IT TO THE SECTION WORK SHOP (VEHICLE IF REQUIRED FOR TRANSPORTATION UNDER VSP SCOPE) 101.1 TO 180.0 KW INCLUDING 180 KW	15.000	EA	361.20	5,418.00
103	410000629	ALIGNMENT OF MOTORS ON THE BASE WITH THE MECHANICAL EQUIPMENT (REMOVAL /shfing OF MOTORS FROM BASE FOR PURPOSE OF ALIGNMENT IS INCLUSIVE),AND FIXING OF COUPLING BOLTS / BELTS / CHAINS / FLUID COUPLINGS.15.1 TO 45.0 KW INCLUDING 45 KW	15.000	EA	250.76	3,761.40
104	410000630	ALIGNMENT OF MOTORS ON THE BASE WITH THE MECHANICAL EQUIPMENT (REMOVAL /shfing OF MOTORS FROM BASE FOR PURPOSE OF ALIGNMENT IS INCLUSIVE),AND FIXING OF COUPLING BOLTS / BELTS / CHAINS / FLUID COUPLINGS.45.1 TO 100.0K W INCLUDING 100 KW	10.000	EA	318.79	3,187.90
105	410000631	ALIGNMENT OF MOTORS ON THE BASE WITH THE MECHANICAL EQUIPMENT (REMOVAL /shfing OF MOTORS FROM BASE FOR PURPOSE OF ALIGNMENT IS INCLUSIVE),AND FIXING OF COUPLING BOLTS / BELTS / CHAINS / FLUID COUPLINGS.101.1 TO 180.0 KW INCLUDING 180 KW	10.000	EA	660.90	6,609.00
106	410000744	OVERHAULING OF ACB,3/4 POLE,415/690 V,FIXED/DRAW-OUT TYPE,MANUAL/ELECTRICALLY OPERATED,INCLUDING REPLACEMENT OF POWER/CONTROL CONTACTS IF REQUIRED. RATINGS: 800 TO 1600 AMPS,	5.000	EA	592.66	2,963.30
107	410000745	OVERHAULING OF ACB,3/4 POLE,415/690 V,FIXED/DRAW-OUT TYPE,MANUAL/ELECTRICALLY OPERATED,INCLUDING REPLACEMENT OF POWER/CONTROL CONTACTS IF REQUIRED. RATINGS: 1601 TO 4000 AMPS,	5.000	EA	888.98	4,444.90
108	410005373	Removal/ Installation of the Modular/Panel Mounted Variable Frequency Drive(VFD) Consisting of Inverter/Converter/Filter Unit from Cranes/Hoists of following Capacities .The job includes Removal/Putting back of Cable Termination, Fuses, Bus Bars & Accessories of Variable Frequency Drive/ Inverter/Converter/Filter Unit and transporting them from site to Shop Workshop (vehicle for transport in VSP scope) for VFDs of 200.1 KW to 500 KW	15.000	NO	2,579.18	38,687.70
109	410005374	Removal/ Installation of the Modular/Panel Mounted Variable Frequency Drive(VFD) Consisting of Inverter/Converter/Filter Unit from Cranes/Hoists of following Capacities .The job includes Removal/Putting back of Cable Termination, Fuses, Bus Bars & Accessories of Variable Frequency Drive/ Inverter/Converter/Filter Unit and transporting them from site to Shop Workshop (vehicle for transport in VSP scope) for VFDs of 100.1 KW to 200 KW	10.000	NO	1,719.45	17,194.50
110	410005375	Removal/ Installation of the Modular/Panel Mounted Variable	15.000	NO	971.42	14,571.30



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

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		Frequency Drive(VFD) Consisting of Inverter/Converter/Filter Unit from Cranes/Hoists of following Capacities .The job includes Removal/Putting back of Cable Termination, Fuses, Bus Bars & Accessories of Variable Frequency Drive/ Inverter/Converter/Filter Unit and transporting them from site to Shop Workshop (vehicle for transport in VSP scope) for VFDs of 30.1 KW to 100 KW				
111	410005376	Removal/ Installation of the Modular/Panel Mounted Variable Frequency Drive(VFD) Consisting of Inverter/Converter/Filter Unit from Cranes/Hoists of following Capacities .The job includes Removal/Putting back of Cable Termination, Fuses, Bus Bars & Accessories of Variable Frequency Drive/ Inverter/Converter/Filter Unit and transporting them from site to Shop Workshop (vehicle for transport in VSP scope) for VFDs of upto 30.0 KW	20.000	NO	647.61	12,952.20
112	410005377	Overhauling/Replacement of Components of the Variable Frequency Drive(VFD) Consisting of Converter/Inverter/Filter Unit like capacitors/Inductor/Resistors/Electronic Cards/Contactor/Cable of following Capacities .The job includes dismantling and Boxing-up of Variable Frequency Drive/ Inverter/Converter/Filter Unit to Replace the faulty components for 200.1 KW to 500 KW	15.000	NO	1,377.83	20,667.45
113	410005378	Overhauling/Replacement of Components of the Variable Frequency Drive(VFD) Consisting of Converter/Inverter/Filter Unit like capacitors/Inductor/Resistors/Electronic Cards/Contactor/Cable of following Capacities .The job includes dismantling and Boxing-up of Variable Frequency Drive/ Inverter/Converter/Filter Unit to Replace the faulty components for 100.1 KW to 200 KW	10.000	NO	1,295.23	12,952.30
114	410005379	Overhauling/Replacement of Components of the Variable Frequency Drive(VFD) Consisting of Converter/Inverter/Filter Unit like capacitors/Inductor/Resistors/Electronic Cards/Contactor/Cable of following Capacities .The job includes dismantling and Boxing-up of Variable Frequency Drive/ Inverter/Converter/Filter Unit to Replace the faulty components for 30.1 KW to 100 KW	10.000	NO	918.55	9,185.50
115	410005380	Overhauling/Replacement of Components of the Variable Frequency Drive(VFD) Consisting of Converter/Inverter/Filter Unit like capacitors/Inductor/Resistors/Electronic Cards/Contactor/Cable of following Capacities .The job includes dismantling and Boxing-up of Variable Frequency Drive/ Inverter/Converter/Filter Unit to Replace the faulty components for upto 30.0 KW	10.000	NO	459.28	4,592.80
116	410002665	SKILLED ASSISTANCE JOBS IN A,B,C, SHIFTS FOR CRANES	4,680.000	MDY	988.65	4,626,882.00
117	410002666	SEMI-SKILLED ASSISTANCE JOBS IN A,B,C, SHIFTS FOR CRANES	7,488.000	MDY	848.45	6,353,193.60
118	410002667	UN-SKILLED ASSISTANCE JOBS IN A,B,C, SHIFTS FOR CRANES	1,872.000	MDY	753.35	1,410,271.20
Total Value: In words : one crore fifty six lakh eighty five thousand one hundred eighty four rupees seventy one paise						15,685,184.71

(This undertaking has to be printed on the letter head of the agency, sign, scan the same and upload in the Tech RFx folder)

UNDERTAKING LETTER

To
Deputy General Manager (WC) I/C
Works Contracts Department
Visakhapatnam Steel Plant
Visakhapatnam-530 031.

Name of work: **“Electrical Maintenance of Cranes / Hoists in SMS-2 (2019).”**

SMS-2 / RFx No. 2600003389

Sir,

With reference to the Notice Inviting Tender, I/We have gone through the tender documents downloaded from SRM Portal. I/We have also gone through the General Conditions of Contract of VSP available in VSP web site and noted the contents therein. I/We hereby confirm that I/We shall abide by the Terms and Conditions and General Conditions of the Contract including Form of Tender, Invitation to Tender, Articles of Agreement etc. I/We hereby declare that, I/We have visited, inspected and examined the site and its surroundings and satisfied ourselves before submitting this tender, obtained information about the nature of work, facilities that may be required and obtained necessary information about Working Conditions, risk contingencies etc., which may influence this tender. We hereby offer to execute & maintain the work during the defect liability period in conformity with the tender conditions at the respective rates quoted by us.

I/We have deposited the Earnest Money Deposit (EMD), which amount is not to bear any interest and I/We do hereby agree that this sum shall be forfeited by me/us if I/We revoke/withdraw/cancel my/our tender or if I/We vary any terms in our tender during the validity period of the tender without your written consent and/or if in the event of Visakhapatnam Steel Plant accepting my/our tender and I/We fail to deposit the required security money, execute the Agreement and/start the work within reasonable time (to be determined by the Engineer) after written acceptance of my/our Tender.

SIGNATURE OF THE TENDERER