



राष्ट्रीय इस्पात निगम लिमिटेड RASHTRIYA ISPAT NIGAM LIMITED
विशाखपट्टणम इस्पात संयंत्र VISAKHAPATNAM STEEL PLANT
(भारत सरकार का उद्यम A Govt. of India Enterprise)

W23- CHANDRASEKHAR P
VISAKHAPATNAM STEEL PLANT, ,
VISAKHAPATNAM - 530031, ANDHRA PRADESH -
INDIA

CIN: U27109AP1982GOI003404

PHONE: 9440826836,

निविदा निमंत्रण सूचना (एन आई टी) NOTICE INVITING TENDER (NIT)

एन आई टी का प्रकार NIT TYPE: 2-PRT % BID E-RFX
VSP/1200/WMD(E)/2024/00120

एन आई टी संख्या व तिथि NIT NUMBER & DATE 2600008815 Dated 3: .26.4246

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

1 NAME OF THE WORK:

TPP RCPH AND SP-2 WATER SYSTEM COMPLEXES MAINTENANCE AND UPKEEP OF ELECTRICAL INSTALLATIONS

2 आवश्यक जानकारी KEY INFORMATION :

बिड का प्रकार Type of Bid	प्रस्तुति का प्रकार Type of Submission	वयाना जमा राशि (भारतीय मुद्रा) EMD in INR	प्रस्तुति की अंतिम तिथि व समय Submission Deadline date & time	बिड खोलने की तिथि व समय (घंटे) Bid Opening Date & time in Hours
TWO PART BID	E BID	Not Applicable	35.27.4246 37-22	36.27.4246 37-22

CONTRACT PERIOD: 24 (TWENTY FOUR) MONTHS

DEFECT LIABILITY PERIOD: 03(THREE) MONTHS

ENGINEER IN CHARGE: DGM(E)/WMD, Mobile No: 7702227001

WELFARE ALLOWANCE: APPLICABLE

TYPE OF CONTRACT: TERM CONTRACT

TYPE OF JOB: REGULAR

ESTIMATION VALUE : INR 67,50,177.44

3 ऑफर की वैध तिथि OFFER VALIDITY DATE :

Your offer should be valid upto 35.2; .4246.

4 मुद्रा CURRENCY :

INR.

5 PREQUALIFICATION (PQC) CRITERIA / ELIGIBILITY CRITERIA FOR CONSIDERATION OF TENDERS:

Single Similar Work Order Value in INR as per criteria given below this table	Annual Turnover in INR
1687544.36	1012526.62

X.Pre-qualification criteria (PQC) for consideration of Tender :

a)The agency should have experience in executing (successfully completed/ in-progress) at least one single similar work of the following nature of value not less than INR 16,87,544.36 during last 7 years"ending last day of previous month of the NIT date.

'''

AGENCY SHALL HAVE WORKING EXPERIENCE OF ELECTRICALS HAVING SWITCHGEARS"INCLUDING ELECTRONIC MOTOR PROTECTION RELAYS, MAINTENANCE OF HT & LT"Motors Having HT & LT Switch Boards.

STATUTORY REQUIREMENT:

AGENCY SHALL HAVE A VALID A-GRADE ELECTRICAL LICENSE ISSUED BY ANY STATE"LICENSING BOARD QT AUTHORITY TO OPERATE ON ELECTRICAL INSTALLATIONS

Note : For the purpose of ascertaining the stipulation time i.e., 7"years ending previous month of the NIT date, the date of work completion/ work-in-progress of the work shall be considered, irrespective of date of issue of Work order / start date of the work. Further, the final"completion value / executed value (in case of work-in-progress), shall be considered, irrespective of the period of execution of the Work.

b)The agency should have an average annual financial turnover of INR 10,12,526.62 during last three financial years (From 2022 to 2024) ending 31st March of previous financial year i.e., 31.03.2024.

Self-attested (signed with date and Business / Official seal) copies of"following documents by Authorized Signatory, in proof of the above shall"be submitted along with the tender in C-folder.

i)Work Orders along with corresponding work completion certificates"indicating the Final value of the work done including all deviations,extra items, escalations, if any against subject work with Bill of"Quantities inclusive of all taxes & duties excluding Goods & ServicesTax (GST), in proof of execution of similar work with value as at X(a)above. In case of work executed outside VSP and where the total amount"includes GST, agency shall make efforts to get the value of GSTindicated 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"including all deviations, extra items, escalations, if any against"subject work with Bill of Quantities 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

ii)Audited Balance Sheets & Profit & Loss accounts of the company or turnover certificates in the prescribed format available at www.vizagsteel.com----->Tenders----->Works Contracts----->Standard Documents-----Turnover Certificate for"participation in tenders issued by RINL, duly certified / signed by a practicing Chartered Accountant / Cost Accountant for the years"mentioned above in proof of x(b).

6. NATURE & SCOPE OF WORK:

AS PER THE TENDER SCHEDULE

7 मद का विवरण/बीओबी/ITEM DETAILS/BOQ :

AS PER THE TENDER SCHEDULE

8 निविदा कागजात की सूची LIST OF TENDER DOCUMENTS:

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

- 1) TENDER SCHEDULE
- 2) UNDERTAKING LETTER
- 3) BID SECURITY DECLARATION
- 4) QUESTIONNAIRE

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 Bid Security Declaration and Undertaking letter.
- 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 opening event will be executed 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:

****Note:** Documents submitted in "Notes & Attachments" folder will not be considered for evaluation

The agency can submit the following:

- A) Bid Security Declaration as per Annexure attached is to be submitted
OR
B) UDYAM Registration Certificate issued by Ministry of MSME.

If the documents mentioned at either Para(A) or Para(B) are not submitted in full in all respects, these documents shall not be sought and the bid will be REJECTED.

The files uploaded in Tech_bid folder as current version only will be considered for evaluation

C) Signed Undertaking letter on the agency's letter head in the format given in the tender schedule

D) PQC related Statutory Documents to be submitted, wherever required

- i) Electrical License (For Electrical contracts) as mentioned at para-5 above
- 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

E) Agencies 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 Affidavit OR a copy of Notarized Partnership Deed along with Firm Registration Certificate OR a copy of Memorandum of Association & Articles of Association along with certificate of incorporation – whichever is applicable.

Note : if the Partnership Firm is re-constituted, the latest Notarized Re-constituted Partnership Deed along with Firm Registration Certificate of the re-constituted firm along with the original Notarized Partnership Deed is to be submitted.

F) For Turnover Audited Profit & Loss Account statements & balance sheets certified by Practicing Chartered Accountant with Stamp and Membership No. & Unique Document Identification Number (UDIN) 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. & UDIN (OR) T.D.S. certificate(s) comprising of the Gross bill values issued by the Deductor(s) for the work done.

G) Work Order(s) and Work Completion Certificate(s) / Work-in-progress certificate(s) as indicated at Clause-5 above.

H) INTEGRITY PACT: (Applicable for estimate value of one crore and above)

(i) 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.

(ii) The details of External Independent Monitors (EIMs) and Nodal Officer of RINL are placed to VSP website (www.vizagsteel.com) at Tenders->Works Contracts->General Instructions->Click here ‘to Read Integrity Pact’ / to Give Vigilance Complaints’ ->Integrity Pact VSP

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

Note : (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.

Documents mentioned at 11(E) to 11(G) are applicable for Open Tenders /LTE cases only

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:

In case RINL wishes to conduct Reverse auction, the same shall be communicated to all the techno commercially qualified bidders at an appropriate time.

The Auction shall be conducted 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 the start Price.

Bidders would be required to quote single price i.e price net of ITC on GST.

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.

(a) AUCTION TIME EXTENSION:

1. Throughout the Auction process, Bidders should keep in view the 'Time Remaining' that appears on the 'Live Auction cockpit' screen and submit their Bids well within the time that gets displayed therein.

2. Bidders to note that System calculates Auction End time during the Auto extension period as under:

If any of the bidder, submits a valid price, in the last "X" minutes, the system will extend the Auction End time to "Existing End Time + Y minutes". This will be done "N" number of times.

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Remaining Time Trigger = X

Extension Period = Y

Number of Extensions = N

The Auction time extension is explained below with an example.

Example: Reverse Auction conducted with Auction parameters as:

AUCTION SCHEDULE: 11.00 AM to 12.00 noon, REMAINING TIME TRIGGER: 4 minutes and EXTENSION TIME: 5 minutes

The current Auction End time being 12:00 and in case a bid is submitted by any bidder after 11:56 AM. (in the 'Remaining Time Trigger' i.e., in the last 4 minutes) of the auction, the auction end time gets extended up to 12:05 PM (12:00 plus 5 Min.). Hence the new end time of the Auction is 12:05 PM. However, In case a bid is submitted prior to 11:56 i.e., before the 'Remaining time trigger', Auction shall not get extended and the same gets closed at 12:00.

Further, during the Auto extension period of the Auction, if a bid is submitted by any bidder after 12:01 PM. (in the last 4 minutes) of the auction the auction end time gets extended up to 12:10 PM. (12:05 plus 5Minutes). In case the bid is submitted by any bidder from 12:00 to 12:01 PM, auction end time will not get extended because it is not within the period of REMAINING TIME TRIGGER of 4 minutes and Auction end time shall be 12:05.

Important Note :

Bidders have to ensure continuous internet connection during the live auction. If the bidders' internet connection gets disturbed, the details in the auction window will not get refreshed upon fresh bids in the auction. Bidders cannot see the latest bids submitted in the auction after the disconnection. If a bidder's Rank is 1 for any item, it will continue to remain as 1 in their screen even if other bids are submitted in the auction if internet connection is not proper/disturbed. Even the time remaining will continue to reduce. It is the responsibility of the bidder to maintain the uninterrupted internet connection during live auction. Since auto refresh is not possible during disconnection, click F5 button in your keyboard to refresh the auction screen. If proper internet connection exists Bidder's screen gets refreshed else if there is any connection problem

Bidder will get error screen/message upon pressing F5. If Bidder gets error screen, bidder should login again and come back to Auction cockpit after restoring proper internet connection to view the latest status in the auction cockpit. It is advisable to click on F5 frequently and every 20 seconds during extension time to manually refresh the live-auction cockpit screen. RINL does not accept any responsibility for issues related to non-participation due to internet connection problems at vendor's end.

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) 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.
- 8) 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. Security Deposit 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 Security Deposit, if any, and recovery of risk and cost charges etc., Decision of V.S.P Management will be final and binding.
- 9) The date of opening of the PQC and Tech RFX response shall be the date of tender opening.
- 10) 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 also liable for debarring from participation in VSP tenders.
- 11) RINL will not be responsible for any delay/ loss/ any website related problems in downloading the tender documents etc. RINL reserves 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 thereof.
- 12) The punitive action of debarring the agency for a period of 3(Three) years for the reasons mentioned in the Bid Security Declaration shall supersede the related clauses of Special Conditions of Contract (SCC) as given below:
 - (a) Withdrawal/modification of bid after tender opening and during the period of bid validity stipulated in the tender document or any extension thereof (Clause No.27 of SCC)OR
 - (b) Having been notified of the acceptance of the Bid by RINL, during the period of bid validity, if the agency
 - (i) Fail or refuse to execute the Contract.(or) (Clause No.31 of SCC)
 - (ii) Fail or refuse to furnish the security deposit, as stipulated in the Tender Document/ Work Order/ Letter of Acceptance/ Purchase Order Clause No.33 of SCC)

13) Planning and Designing in purview of Vulnerability Atlas of India:

a. Vulnerability Atlas of India (VAI) is a comprehensive document which provides existing hazard scenario of the entire country and presents the digitized State/UT-wise hazard, maps with respect to earthquakes, winds and floods for district-wise identification of vulnerable areas. It also includes additional digitized maps for thunderstorms, cyclones and landslides. The main purpose of this Atlas is its use for disaster preparedness and mitigation at policy planning and project formulation stage.

b. This Atlas is one of its kind single point source for the various stakeholders including policy makers/ administrators/ municipal commissioners/ urban managers/ engineers/ architects/ planners/public etc. to ascertain proneness of any city/location/site to multi-hazard which includes earthquakes, winds, floods, thunderstorms, cyclones and landslides. While project formulation, approvals and implementation of various urban housing, buildings and infrastructures schemes, this Atlas provides necessary information for risk analysis and hazard assessment.

c. The Vulnerability Atlas of India has been prepared by Building Materials and Technology Promotion Council under Ministry of Housing and Urban Affairs, Government of India and available at their website www.bmtpc.org.

d. It is mandatory for the bidders to refer Vulnerability Atlas of India for multi-hazard risk assessment and include the relevant hazard proneness specific to project location while planning and designing the project in terms of:

I. Seismic zone (II to V) for earthquakes

II. Wind velocity (Basic Wind Velocity: 55, 50, 47, 44, 39 and 33 m/s)

III. Area liable to floods and Probable max. surge height

IV. Thunderstorms history

V. Number of cyclonic storms/ severe cyclonic storms and max sustained wind specific to coastal region

VI. Landslides incidences with Annual rainfall normal

VII. District wise Probable Max. Precipitation

14) Bidders are required to check for any Corrigendum(s) issued till the bid submission date and time in www.vizagsteel.com or www.eprocure.gov.in

15 INSTRUCTIONS TO TENDERERS ON E-TENDERING/E-AUCTION:

For use of the RINL e-procurement (SRM) system and before submitting bid, a Vendor/Bidder should understand the e-tendering process by going through user manual which is available in our portal <https://srm.vizagsteel.com> and the NIT of related tender(RFx).

Vendor is responsible for all the necessary requirements including infrastructure in proper condition i.e. Computer, operating system and software platform (including browser), antivirus, network connectivity, internet services, uninterrupted power supply to computer or networking equipment etc., availability of correct user id and password etc so that the participation in the RFx and/or auction during e-procurement process is not affected. Any interruption at vendor's end due to non-availability of the above facilities will not be entertained as reason for review of the RFx and/or Auction participated or intended for participation by the Vendor.

Understanding the bidding method and entry of correct data (Entering Correct Price Information) during e-procurement process against the RFx and/or Auction is totally the responsibility of the Vendor. During e-procurement process (RFx stage and/or Auction) it will not be possible to explain the bidding process to the Vendor. Vendor should ensure all queries and know-how are completed with the help of user manuals and mock/trial auctions available in the SRM portal before the start of e-procurement (RFx or Auction) process to ensure smooth participation in RINL's e-tender/e-auction

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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 CPPP portal. Tenderers shall see the SRM Portal / CPPP portal 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 submitted, shall not be sought where there is evidence of Tampering/Unauthorized correction

2 EXEMPTIONS / PREFERENCES FOR MSES:

1) EXEMPTIONS / PREFERENCES FOR MICRO AND SMALL ENTERPRISES:

1.1 Micro and Small Enterprises (MSEs) registered under Udyam Registration shall be provided exemptions / preferences, under this clause, in respect of procurement of goods and services, produced and provided by them (irrespective of whether the service is provided within or outside their premises) through the present tender, subject to submission of proof of registration with Udyam Registration for goods & Services (irrespective of relevance of product category with tendered items) as on the Tender Opening Date (TOD).

Above benefits in terms of exemptions / preferences to MSEs shall not be applicable for the following:-

(i) Traders / Distributors / Sole Agent/ Joint Ventures / Consortium.

(ii) Works of "Works Contract" in nature.

Composite contracts, which includes not only supply and / or services but also various other activities and obligations under the contract shall be treated as 'Works Contract'.

1.2 Exemptions : MSE(s) shall be provided exemption from submission of Cost of Tender Documents (CTD) / Tender Processing Fee and Earnest Money Deposit (EMD).

Tender documents shall be downloaded by the tenderer from the websites notified by the company (such as www.vizagsteel.com, www.eprocure.gov.in)

1.3 Purchase Preference: MSE(s) shall be provided Purchase Preference as per the following:

- a) MSEs quoting price within the band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than an MSE and such MSEs shall be allowed to supply up to 25% of total tendered value.
- b) In case of more than one such MSE, the supply shall be shared proportionately (to tendered quantity)

The MSE(s) eligible for Purchase Preference shall be considered for award of contract, in the order of ranking, as below:

- i) MSE(s) owned by SC and ST entrepreneurs till the value of package(s) considered for award to MSE(s) (including the L1 tenderer, if MSE owned by SC and ST entrepreneurs) equals or exceeds 4% of the total value of work.
- ii) MSE(s) owned by women till the value of package(s) considered for award to MSE(s) (including the L1 tenderer, if MSE owned by women) equals or exceeds 3% of the total value of work.
- iii) Other MSE(s) eligible for Purchase Preference till the value of package(s) considered for award to MSEs (including the L1 tenderer, if MSE) equals or exceeds 25% of the total value of work.

The MSEs desirous of getting preference as per the above clauses (SC and ST owned MSEs or Women owned MSEs) are required to submit the proof of the same along with the tender documents.

The decision of RINL regarding the packages to be considered for award to MSE(s) shall be final and binding. The successful MSE(s) shall ensure that the registration is valid till end of the contract.

1.4 Payment of bills to the MSE's shall be made 'on or before the date agreed upon' as per the terms & conditions of the contract or within 45 days whichever is earlier, from the date of receipt of bill, complete in all respects, by the Engineer in-charge.



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES / PRICE SCHEDULE

PR No / Date: 73009293 / 18.10.2023	Report Date : 18.10.2023
Pur . Org.: WORKS CONTRACTS	
MSS: 6540715803 : TPP RCPH & SP-2 WATER COMPLEXES MAINT	
TPP RCPH & SP-2 WATER COMPLEXES MAINT	

The BOQ Items are taken as per the following Rates.						
	Central Rates		VSP Rates			
Skilled	788.000		1188.650			
Semi Skilled	671.000		1027.550			
Unskilled	595.000		922.950			
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
1	410003604	SUPERVISOR/SKILLED FOR SHIFT /GENERAL SHIFT ACTIVITIES	3,030.000	MDY	1,188.65	3,601,609.50
2	410003605	SEMI SKILLED ELECTRICIAN FOR SHIFT ACTIVITIES /GENERAL SHIFT ACTIVITIES	606.000	MDY	1,027.55	622,695.30
3	410003606	UNSKILLED FOR GENERAL ACTIVITIES	606.000	MDY	922.95	559,307.70
4	410003607	ROUTINE MAINTENANCE OF MOTORS LESS THAN OR EQUAL TO 45KW .	324.000	EA	603.03	195,381.72
5	410003608	ROUTINE MAINTENANCE OF MOTORS MORE THAN 45KW.	126.000	EA	1,206.06	151,963.56
6	410003609	ROUTINE MAINTENANCE OF LT ACB BREAKERS	204.000	EA	1,214.04	247,664.16
7	410003610	ROUTINE MAINTENANCE OF MONORAIL HOIST / CRANES	12.000	EA	1,214.04	14,568.48
8	410003612	CHECKING & REPAIR OF EARTH PIT / GRID RESISTANCE AFTER REMOVING EARTH FLAT	30.000	EA	603.03	18,090.90
9	410003613	ROUTINE MAINTENANCE OF MOTOR SWITCH GEAR MODULES FOR ABOVE 0.37 KW AND LESS THAN EQUAL TO 45KW	324.000	EA	603.03	195,381.72
10	410003614	ROUTINE MAINTENANCE OF MOTOR SWITCH GEAR MODULES FOR ABOVE 45KW	126.000	EA	1,206.06	151,963.56
11	410003615	ROUTINE MAINTENANCE OF SWITCH GEAR MODULES OF MCCB/ SFU/ISOLATOR FOR CONTROL TRANSFORMER/ WELDING SOCKET/ PDB /VENTILLATION/SPACE HEATER/CRANE POWER/PNEUMATIC VALVES ETC.	500.000	EA	607.02	303,510.00
12	410003616	TROUBLE SHOOTING AND RECTIFICATION OF CONTROL/ POWER/ AUTO LOOP CIRCUITS PROBLEM.	140.000	EA	881.50	123,410.00
13	410003617	REPLACEMENT / INSTALLATION OF MCCBS/MPCBS/SFU/ ISOLATOR/ POWER CONTACTORS .	24.000	EA	2,428.46	58,283.04
14	410003618	REPLACEMENT / INSTALLATION OF RELAY/CTS/ PTS/ MCB/PUSH BUTTONS/AUX CONTACTOR/ POWER CONTACT TIPS/TIMER/LIMIT SWITCH/TRANSDUCER /METER/ SOLENOID/ SOCKET/ SELECTOR SWITCH/FUSE BASES/ COILS/CONTROL TERMINAL CONNECTORS /POWER TBS ETC .	60.000	EA	1,214.23	72,853.80
15	410003619	REPAIR OF RELAYS/ LIMIT SWITCHES /AMMETERS	20.000	EA	615.80	12,316.00
16	410003621	ROUTINE INSPECTION OF HT MOTORS MORE THAN 200KW AND ABOVE	42.000	EA	607.02	25,494.84
17	410003622	TERMINATION/DE TERMINATION OF HT MOTORS MORE	24.000	EA	887.33	21,295.92



**RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031**

BILL OF QUANTITIES / PRICE SCHEDULE

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		THAN 200KW AND ABOVE.				
18	410003623	MEGGERING OF HT MOTORS MORE THAN 200KW AND ABOVE.	168.000	EA	308.63	51,849.84
19	410003624	RECTIFICATION / REPLACEMENT OF TUBE LIGHT/CFL LAMPS	500.000	EA	303.50	151,750.00
20	410003625	"REPAIR / REPLACEMENT HPSV/HPMV /METAL HALIDE UPTO 400 WATTS ##"	200.000	EA	607.02	121,404.00
21	410003626	OVER HAULING OF LT MOTORS LESS OR EQUAL TO 11 KWs	20.000	EA	2,469.17	49,383.40
Total Value: In words : sixty seven lakh fifty thousand one hundred seventy seven rupees forty four paise						6,750,177.44

Signature of the Tendere

PREAMBLE TO BOQ

WORK DESC: TPP RCPH and SP-2 WATER SYSTEM COMPLEXES MAINTENANCE AND UPKEEP OF ELECTRICAL INSTALLATIONS

Cond No Cond Desc.

1. Shift manning and ensuring the uninterrupted power supply on 24 hours x 365 days basis and monitoring inspection of Electrical installations including troubleshooting and fault rectification as per scope of work (BOQ 654300150, 654300151, 654300152) at TPP RCPH and SP-2 RCPH water system complexes.
2. Maintenance & Breakdown rectification of all electrical installations at TPP RCPH and SP-2 RCPH water system complexes as per **BOQ (654300153, 654300154, 654300155, 654300156, 654300158, 654300159, 654300160, 654300161, 654300162, 654300163, 654300164, 654300165, 654300167, 654300168, 654300169, 654300170, 654300171, 654300172** as and when required as on equipment condition.

SCOPE OF WORK

Work Description: TPP RCPH and SP-2 WATER SYSTEM COMPLEXES MAINTENANCE AND UPKEEP OF ELECTRICAL INSTALLATIONS

Cond No :

- 1.0 A brief about plant:- Visakhapatnam is a metropolitan coastal city on the shore of Bay of Bengal in the state of Andhra Pradesh. This city is having beautiful residential colonies, state of the art medical facilities and renowned educational institutions and all other facilities to meet the standards of modern living. It is well connected by rail & air with all parts of the country. Visakhapatnam Steel Plant (RINL/VSP) is a shore based integrated steel plant located at a distance of 30 KM from the Visakhapatnam city. Visakhapatnam Steel Plant (RINL/VSP) is an ISO: 9001, EMS: 14001 & OHSAS: 18001 certified company.
RCPH OF TPP and its expansion related equipment, SIDE STREAM FILTRATION AT PH#4 AND RCPH OF SINTER PLANT-2 and associated Water System is in operation. The water system for RCPH OF TPP, SIDE STREAM FILTRATION AT PH#4 AND RCPH OF SINTER PLANT-2 consists of various groups of Pumps; Cooling Tower fans (CT) and associated Water Treatment Plant which will be operated through PLC (Programmable Logic control) and HMI (Human Machine Interface) based control station.
- 2.0 List of Annexure:
Annexure A: Details of Electrical equipments
Annexure B: Minimum tools and tackles to be provide by the Tenderer.
Annexure C: Deployment of manpower.
- 3.0 **Proposed BOQ:**
BOQ 654300150, 654300151

SKILLED FOR SHIFT AND GENERAL SHIFT ACTIVITIES /SEMI SKILLED ELECTRICIAN FOR SHIFT ACTIVITIES AND GENERAL SHIFT ACTIVITIES

This ITEM refers to **SKILLED For Shift and General shift Activities /Semi skilled electrician for shift activities and General shift Activities**

This includes the following activities but not limited to the following.

1. At the start and end of every shift respective shift supervisor /technician will provide status report to RINL Engineer in-charge or his representative as assigned. Any abnormality should be intimated immediately.
2. The log sheet related to the ELECTRICAL equipments is to be maintained and records to be updated in the continuous basis.
3. Fault clearance which arises during the shift, to ensure smooth operation of plant, any major problem noticed in the shift (in G-shift and beyond G-shift) to be intimated to the site-in-charge (agency) for rectification. Site-in-charge (agency) will ensure to clear the fault at the earliest.

4. Coordination with mechanical, operation, electrical and other centralized agency.
5. Restoration of power in case of power failure due to any fault in the system during the shift in coordination with centralized agency of VSP (DNW /TPP Department).
6. Assistance in Enabling Issue, return and normalization of shutdown with clearance from VSP shift-in-charge.
7. Maintenance of cable trench by de-watering of the premises within the scope of work.
8. Collection of all used batteries, and sending it back to store, through planning cell.
9. Making necessary arrangements to dispatch winding failed motors/dewatering pumps etc to be sent to ERS and receiving the same.
10. Disposal of waste generated out of its activities like electrical waste, plastic waste, mucks, used cotton wastes, spills over, scraps etc. The same have to be disposed off to respective bins/disposal yard at designated places within the assigned RINL campus after the work.
11. Inspection of electrical equipment as per format mutually agreed by contractor and engineer in charge.
12. Connection/disconnection of cable of LT motors for placement/removal of motor if required for repair and maintenance of pump or motor.
13. Removal of LT motors for overhauling or for rewinding or capital repair to be done by ERS. It includes removal from bed, loading on truck and dispatching to ERS or other location as required.
14. installation of LT motors: Receiving motor from ERS or new motor , placement of motor on bed, termination of cables (power, instrumentation, space heaters),connections of earth flat and test running of motor on no load and coupled with pump or other mechanism (coupling of motor and alignments in the scope of mechanical maintenance group). It may be required after repair and maintenance of pump or motor.
15. Laying and removing of control cables/Power cable of different sizes, if required for the system. Excavation of cable trenches, if required: Almost all the power and control cables runs through cable tunnel except few meter of cables of cooling tower drives, treatment plant and lighting cable which passes through trench. In case of any fault in these cables excavation of trench may be required for fault finding and rectification. Making straight through cable joints.
16. Replacement/repair in DSL arrangement of EOT cranes and trolley line insulators including power cable to the crane.
17. Laying of GI pipes, if required, for protection and conduit purpose of electrical cables.
18. Maintenance and rectification/repair/replacement of tube lights and HPSV/HPMV /Metal Halide up to 400 watts. Enabling Jobs like temporary lighting arrangement, temporary power connection like dewatering pumps, welding machine, hand held tools, man cooler

etc as required by pump house operation group, mechanical maintenance group or electrical maintenance group etc.

19. Removal and reinstallation of submersible dewatering pumps: pump installed in cable tunnel may be required to be taken out for oil replacement or any repair required for pump or winding. Lifting of pump from pit, loading into truck and dispatching to ERS or receipt of pump from ERS and re installation are in the scope of agency.
20. Planning, co-ordination and execution of scheduled routine inspection, preventive maintenance and breakdown maintenance of all Electrical installations up to and including 415V, motors up to and including 6.6KV as per schedule given by VSP. All scheduled maintenance activities will be carried out in General shift. Manpower present in A-shift and B-shift will carry out the maintenance activities as per schedule given by VSP in addition to shift activities.
21. Trouble shooting and rectification of control/power/auto loop circuit problem. Replacement / installation of MCCBS/MPCBS/SFU/ isolator/power contactors.
22. Record keeping of all the activities
 - a) LOGBOOK: The agency shall maintain daily logbook (job detail register) for the work done, spares/consumables used, any breakdown etc and get it signed by Engineer in-charge or his representative at the end of the shift/day.
 - b) EQUIPMENT HISTORY AND BREAKDOWN REPORT BOOK: The agency shall maintain equipment history and breakdown analysis book for keeping a record of breakdown, its analysis, maintenance and recommendations for each and every important electrical equipment.
 - c) ATTENDANCE REGISTER: Shift wise attendance register for the personnel engaged is to be maintained and got it signed by shift-in-charge pump house operation in shifts and by the Engineer-in-charge or his representative at the end of the G-shift/day.
 - d) DEFECTS REGISTER CUM SHIFT LOG BOOK: To record all the defects noticed during routine inspection in shifts, to attend the defects in next shift or in general shift. Joint monitoring has to be done daily by Engineer-in-charge or his representative along with site supervisor/concerned shift supervisor.
 - e) ELECTRICAL SHUTDOWN REGISTER: All the electrical equipment taken for routine or break down maintenance has to be entered in the prescribed format or the books provided by VSP.

Unskilled for General activities

This ITEM refers to **Unskilled for General activities**

This includes the following activities but not limited to the following.

- a) Regular cleaning of all floors of ECR building
- b) Transformer rooms
- c) Cable basements and cable tunnel
- d) Glass of doors & windows
- e) DCS /PLC room
- f) MCC rooms for dust
- g) Equipment rooms for cobwebs
- h) Office rooms for cobwebs
- i) Control desks
- j) Control room
- k) All office rooms
- l) Wet mopping of control room, office rooms, DCS room and staircase.
- m) Carrying of tools and tackles for scheduled preventive and breakdown maintenance activities.
- n) Assisting in scheduled preventive maintenance and breakdown maintenance activities.

Sometimes additional housekeeping may be required, to do face lifting of the area.

5.0 **BOQ 654300153,**

ROUTINE MAINTENANCE OF LT MOTORS LESS THAN EQUAL TO 45KW.

This ITEM refers to **ROUTINE MAINTENANCE OF MOTORS LESS THAN OR EQUAL TO 45 KW**. This includes the following activities but not limited to the following. It involves taking shutdown from operation and electrical of VSP. Ensure the equipment fully isolated from electrical power. Open the power Terminal box and check the healthiness and cleanness of power cable, insulators, cable lugs, motor studs by opening the power cable. Motor winding terminals are to be meggered for IR value and same will be recorded. After cleaning of insulators, power cable the cable has to be reconnected and terminal Box has to be closed. Checking of the earth connections of motor, power JBS, LPBS for proper tightness. Cleaning of motor body to be done for removing of dust and lubrication of motor if required. Ensure Tightening of power cables/control cables in power JBS, control JBS, LPBS. Ensure Tightness of foundation bolts and returning the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 4hrs.

6.0 **BOQ 654300154,**

Routine maintenance of LT motors more than 45KW and above

This ITEM refers to Routine **maintenance of motors more than 45KW and above**. This includes the following activities but not limited to the following. It involves taking shutdown from

operation and electrical of VSP. Ensure the equipment fully isolated from electrical power. Open the power Terminal box and check the healthiness and cleanness of power cable, insulators, cable lugs, motor studs by opening the power cable. Motor winding terminals are to be meggered for IR value and same will be recorded. After cleaning of insulators, power cable the cable has to be reconnected and close the Terminal Box. Check the earth connections of motor, power JBS, LPBS for proper tightness. Ensure healthiness of space heater by checking resistance and Cleanness of the motor body and lubrication of motor if required. Ensure tightness of power cables/control cables in power JBS, control JBS, LPBS. Ensure Tightness of foundation bolts and returning the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately, activity is to be completed in 8hrs.

7.0 BOQ 654300155,

ROUTINE MAINTENANCE OF LT ACB BREAKERS

This ITEM refers to ROUTINE **MAINTENANCE OF LT ACB BREAKERS**. This includes the following activities but not limited to the following. It involves taking shutdown from operation and electrical of VSP. Ensure the equipment fully isolated from electrical power and should be racked out condition. Total cleaning of the breaker, replacement of damaged /defective spares if any, however spares are in the scope of VSP. Thorough overhauling which includes trouble shooting, repair and dressing of control cables, healthiness of poles, and any minor adjustments in the breaker are to be carried out. Check the Breaker for closing and put the Breaker into service and returning the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 8 hrs.

8.0 BOQ 654300156,

ROUTINE MAINTENANCE OF MONO RAIL HOIST/CRANE

This ITEM refers to ROUTINE **MAINTENANCE OF MOTORS OF MONO RAIL HOIST/CRANE**. This includes the following activities but not limited to the following. It involves taking shutdown from operation and electrical of VSP. Ensure the equipment fully isolated from electrical power. Total cleaning of all the panels, motors, fan covers, insulators, bus bar replacement of damaged /defective spares (if any), dressing of control cables (if required), any minor adjustments in the breakers are to be carried out. Check the earth connections of motor, power JBS, LPBS for proper tightness. Motor winding terminals as to be meggered for IR value and same will be noted. Checking the healthiness of power contactor, over load relay, inter locks, MCCB, safety inter locks in all motor feeders. Ensure the tightness of foundation bolts and returning the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 8 hrs.

9.0 BOQ 654300158,

CHECKING & REPAIR OF EARTH PIT AND GRID AFTER REMOVING EARTH FLAT.

This ITEM refers to **CHECKING& REPAIRS OF EARTH PIT / GRID RESISTANCE AFTER REMOVING EARTH FLAT**. This includes the following activities but not limited to the following. Measuring and Recording the values of the earth pit resistance after removing from grid. If the resistance value is abnormal /higher than standards then pit has to be revived to get the required standard value.

Bushes surrounding the pit are to be removed for proper visibility of the pit and if required painting of earth markers, lettering is to be done. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 4 hrs.

10.0 BOQ 654300159,

ROUTINE MAINTENANCE OF MOTOR SWITCH GEAR MODULES FOR ABOVE 0.37 KW AND LESS THAN EQUAL TO 45 KW

This ITEM refers to **ROUTINE MAINTENANCE OF MOTOR SWITCH GEAR MODULES FOR ABOVE 0.37 KW AND LESS THAN EQUAL TO 45 KW**. This includes the following activities but not limited to the following. Ensure the equipment fully isolated from electrical power. Total cleaning of the panel, insulators, and bus bars. Dressing of power and control cables and replacement of defective lugs. Outgoing power terminals are to be meggered for IR value and same will be noted. Checking the healthiness of power contactor, over load relay, inter locks, MCCB, safety inter locks and if required cleaning repair to be done. Ensure the tightness of power cables and returning the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately, is to be completed in 4hrs.

11.0 BOQ 654300160,

ROUTINE MAINTENANCE OF MOTOR SWITCH GEAR MODULES FOR ABOVE 45 KW

This ITEM refers to **ROUTINE MAINTENANCE OF MOTOR SWITCH GEAR MODULES FOR ABOVE 45 KW**. This includes the following activities but not limited to the following. Ensure the equipment fully isolated from electrical power. Total cleaning of the panel, insulators, and bus bars. Dressing of power, control cables and replacement of defective lugs. Checking the healthiness of over load relay and meters. Outgoing power terminals are to be meggered for IR value and same will be noted. Checks the power contactor, over load relay, inter locks, MCCB, safety inter locks, Z CT, Space Heater, EOCR for their healthiness and replacement. Ensure the tightness of power cables and return of the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 8hrs.

12.0 BOQ 654300161,

ROUTINE MAINTENANCE OF SWITCH GEAR MODULES OF MCCB/SFU/ISOLATOR FOR CONTROL TRANSFORMER/WELDING SOCKET/PDB /VENTILLATION/SPACE HEATER/CRANE POWER /PNEUMATIC VALVES ETC.

This ITEM refers to **ROUTINE MAINTENANCE OF SWITCH GEAR MODULES OF MCCB/ SFU/ ISOLATOR FOR CONTROL TRANSFORMER/WELDING SOCKET/PDB / VENTILLATION /SPACE HEATER /CRANE POWER /PNEUMATIC VALVES ETC**. This includes the following activities but not limited to the following. Ensure the equipment fully isolated from electrical power. Total cleaning of the panel, insulators, and bus bars. Dressing of power, control cables and replacement of defective lugs. Check the healthiness of over load relay and meters. Outgoing power terminals are to be meggered for IR value and same will be noted. Checking of the power contactor, over load relay, inter locks, MCCB, for their healthiness, cleanness and replacement. Ensure the tightness of power cables and returning the operational and electrical shutdown. The contractor should be in a

position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 4hrs.

13.0 BOQ 654300162,

TROUBLE SHOOTING AND RECTIFICATION OF CONTROL/POWER/AUTO LOOP CIRCUITS PROBLEM.

This ITEM refers to **TROUBLE SHOOTING AND RECTIFICATION OF CONTROL/POWER/AUTO LOOP CIRCUITS PROBLEM**. This includes the following activities but not limited to the following. Identification of root cause of the problem and rectification at the earliest. Dressing of power, control cables and replacement of defective lugs. Ensure tightness of control terminal in JBS, motor panels, and control desks. Testing of faulty circuit after rectifications. Ensure the tightness of power cables and returning the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 4 hrs.

14.0 BOQ 654300163,

REPLACEMENT / INSTALLATION OF MCCBS/MPCBS/SFU/ ISOLATOR/POWER CONTACTORS.

This ITEM refers to **REPLACEMENT / INSTALLATION OF MCCBS/MPCBS/SFU/ ISOLATOR/ POWER CONTACTOR**. This includes the following activities but not limited to the following. Ensure the equipment fully isolated from electrical power. Removal of defective item and replacement new one. If the item is not matching with the old fixing measurements, then new fixing measurements are to be done. If any handles or display units related to new spare has to be fixed. Spares are in the scope of VSP. Ensure the tightness of power cables, dressing of control cable and returning the operational and electrical shutdown after testing. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 16hrs.

15.0 BOQ 654300164,

REPLACEMENT / INSTALLATION OF RELAY/CTS/ PTS/ MCB/PUSH BUTTONS/AUX CONTACTOR/ POWER CONTACT TIPS/TIMER/LIMIT SWITCH/TRANSDUCER /METER/ SOLENOID/ SOCKET/ SELECTOR SWITCH/FUSE BASES/ COILS/CONTROL TERMINAL CONNECTORS/POWER TBS ETC.

This ITEM refers to **REPLACEMENT / INSTALLATION OF RELAY/CTS/ PTS/ MCB/PUSH BUTTONS/AUX CONTACTOR/ POWER CONTACT TIPS/TIMER/LIMIT SWITCH/TRANSDUCER /METER/ SOLENOID/ SOCKET/ SELECTOR SWITCH/FUSE BASES/ COILS/CONTROL TERMINAL CONNECTORS/POWER TBS ETC**. This includes the following activities but not limited to the following. Ensure the equipment fully isolated from electrical power. Removal of defective item and replacement with new. If the item is not matching with the old fixing measurements, then new fixing measurements are to be done. Ensure the tightness of power cables, dressing of control cable and returning the operational and electrical shutdown. Testing of replace item after replacement. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 8 hrs.

16.0 BOQ 654300165,

REPAIR OF RELAYS/ LIMIT SWITCHES /AMMETERS

This ITEM refers to **REPAIR OF CONTACTORS/ RELAYS/ LIMIT SWITCHES /AMMETERS**. This includes the following activities but not limited to the following. Ensure the equipment fully isolated from electrical power. Removal of defective item, troubleshooting replacement of defective part with new and repair of same. Ensure the tightness of power cables, dressing of control cable and return of the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 4hrs.

17.0 BOQ 654300167,**ROUTINE INSPECTION OF HT MOTORS MORE THAN 200KW AND ABOVE**

This ITEM refers to **ROUTINE MAINTENANCE OF HT MOTORS MORE THAN 200KW AND ABOVE**. This includes the following activities but not limited to the following. It involves taking shutdown from operation and electrical of VSP. Ensure the equipment fully isolated from electrical power. Check the healthiness and cleanness of power cable, insulators, cable lugs, motor studs by opening the power cable. After cleaning of insulators, power cable the motor winding terminals are to be meggered for IR value and same will be noted. Check the earth connections of motor, LPBS for proper tightness. Ensure healthiness of space heater by checking resistance and vibration probes, winding temperature /bearing temperature probes, cable cleanness of the motor body. Ensure Tightness of foundation bolts and returning the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 8hrs.

18.0 BOQ 654300168**TERMINATION/DE TERMINATION OF HT MOTORS MORE THAN 200KW AND ABOVE.**

This ITEM refers **TERMINATION/DETERMINATION OF HT MOTORS MORE THAN 200KW AND ABOVE**. This includes the following activities but not limited to the following. It involves taking shutdown from operation and electrical of VSP. Ensure the equipment fully isolated from electrical power. The job includes removal /termination of power cable of the motor and removal/connection of earth flat, motor TB, space heater cable, winding/bearing temperature cable, vibration probes cables etc. before termination meggering of motor for motor IR healthiness. Ensure Tightness of foundation bolts and return of the operational and electrical shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 2hrs.

19.0 BOQ 654300169**MEGGERING OF HT MOTORS MORE THAN 200KW AND ABOVE.**

This ITEM refers to **MEGGERING OF HT MOTORS MORE THAN 200KW AND ABOVE**. This includes the following activities but not limited to the following. It involves taking the electrical shut down of the motor and opening the motor's power side TB cover, discharging with the discharge rod,

after meggering the motor with HT megger and recording of IR 60/IR 15 for phase to earth. After discharging with earth rod, checking the healthiness of the termination, closing of terminal box cover and return of the shutdown. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 2hrs.

20.0 BOQ 654300170

Rectification / replacement of Tube light/CFL Lamps

This ITEM refers to Rectification / **replacement of tube light/CFL Lamps**

This includes the following activities but not limited to the following. It involves fault finding and rectification of defective light fitting, replacement of defective fault item with new spare. In case of any power supply problem it has to be rectified by the party and cable/wire will be supplied by VSP. In case of replacement of total light fitting with new light fitting (all accessories and spare parts is under the scope of VSP). The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 2hrs.

21.0 BOQ 654300171

Repair / replacement HPSV/HPMV /Metal Halide up to 400 watts

This ITEM refers to Rectification / **replacement of tube light/CFL Lamps**

This includes the following activities but not limited to the following. It involves fault finding and rectification of defective light fitting, replacement of defective fault item with new spare. In case of any power supply problem it has to be rectified by the party and cable/wire will be supplied by VSP. In case of replacement of total light fitting with new light fitting (all accessories and spare parts is under the scope of VSP). The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 4hrs.

22.0 BOQ 654300172

OVER HAULING OF LT MOTORS LESS OR EQUAL TO 11 KW

This ITEM refers to OVER **HAULING OF LT MOTORS LESS OR EQUAL TO 11 KW**

This includes the following activities but not limited to the following. Taking electrical shutdown, removing from base after disconnecting the terminations, Dismantling of Rotor/Stator. Thorough cleaning of Stator, Rotor, Bearings. Applying Varnish to motor stator and heating. If required replace the Bearings. Assemble the motor after drying of Varnish. Painting of motor (if required). Motor termination after placing the motor on the bed. Testing of motor after shut down normalization. Cleaning of the surrounding area after completion of job. Supply of bearings, paints, varnish, grease and any spares related to motor is under the scope of VSP. The contractor should be in a position to deploy required manpower with tools and tackles and start the job immediately. This activity is to be completed in 16hrs.

TERMS AND CONDITIONS

FOR THE WORK “TPP RCPH and SP-2 WATER SYSTEM COMPLEXES MAINTENANCE AND UPKEEP OF ELECTRICAL INSTALLATIONS”

CONTRACTOR'S RESPONSIBILITY:

1. This contract is for TPP RCPH and SP-2 RCPH water system electrical installations of Water Management Department (WMD). However, depending upon the requirement; the contractor has to carry out jobs pertaining to the other units in TPP Zone eg. Extension MCC of TPP RCPH, CPP-2 RCPH, AWWTP, PH-04, PH-05 and PH-23 units of WMD also, on exigency. In addition to this the agency has to ensure the assistance in shift manning in PH-04, PH-05 and PH-23 during break down jobs, power failure conditions and troubleshooting jobs.
2. The contractors are advised to visit the site and obtain clarification, if any, from Engineer I/C before quoting the job.
3. Work shall be carried out by Agency possessing valid Grade-A electrical license and their authorised personnel. Contractor has to issue electrical authorisation certificate to the workmen engaged for the job.
4. The quantities mentioned in the BOQ are tentative and may vary depending upon the requirement.
5. The scope of work includes necessary collection, handling, transportation of material from stores to site and transportation to their employees at workplace.
6. Contractor has to arrange required tools and tackles (mentioned in Annexure-B) for proper execution of the jobs.
7. Contractor has to carry out the works with safety precautions. The contractor has to supply regular and any special Personal Protective Equipments (PPE) for Contractor's manpower like, hand gloves, earplugs, dust mask etc. to their workmen and ensure adherence to safety practices during execution of the work.
8. Services of Supervisor envisaged in BOQ: 654300150, Semi Skilled envisaged in BOQ: 654300151 and Unskilled envisaged in BOQ: 654300152 are for the scope of work envisaged in the respective BOQs only. Jobs envisaged in the remaining maintenance type BOQs are to be carried out by Semi Skilled workmen. Services of Supervisor and Unskilled workmen will not be available for executing the maintenance type BOQ jobs.
9. Educational qualification and work experience of semi skilled workmen: ITI in Electrician trade from a Govt. ITI or Govt. recognized ITI. Three years or more post qualification

experience in erection testing and commissioning or maintenance of 415 V/3.3 kV/6.6kV/11 kV panels.

10. Before starting the work, the contractor has to take clearance from the Safety Engineering Department.
11. The contractor has to take proper shut-down before starting of each job from the respective Electrical I/C or his representative.
12. Contract Worker has to produce originals of certificate of educational qualification, work experience and Aadhaar card for verification purpose and to submit self attested Xerox copy of these documents for gate pass processing.
13. VSP has the right to screen and select or reject the workers proposed by the contractor.
14. Any letter/instruction given by the Engineer in charge or his representative to the authorized representative of the contractor shall be deemed to be the letter/instruction given to the contractor and the contractor is required to act on such letter/instruction so given to his representative.
15. In the beginning of every month, the Contractor or his representative (other than the Supervisor /workmen deployed at site) should meet the VSP Engineer I/C or his representative for the monthly performance review. The minutes of this meeting is to be signed by the participants and to be maintained for record purpose.
16. **Welfare Allowance** (SMA and ASMA) shall be payable to contract labours deployed in site in Highly Skilled, Skilled, Semiskilled and Unskilled categories including supervisors Other than Service Engineers/ Engineers/ Contractors representative/ Administrative staffs of contractors e.g., HR officers, Office staff, Regular employees of Contracting agency, drivers deployed for their staff cars/ envisaged contract labor on onetime basis/ additional contract labor engaged on onetime basis (during execution).
17. **SLA CLAUSE:** Any deficiency in monthly required quantities as decided by Engineer In Charge will result in deduction of 25% of BOQ unit rate for the reasons attributable to Contractor.
18. Maintenance of Electrical equipments as per scope of work, Deployment of competent Engineers, skilled, semiskilled & unskilled Workmen at the site as per annexure-C of TPP RCPH and SP-2 RCPH Water system complex.
19. To meet the statutory requirements like insurance, PF & ESI of the Employees and other norms stipulated from time to time in GCC of VSP in addition to norms stipulated by State Govt., Central Govt and other statutory authorities and any other welfare measures to their employees.

20. On behalf of tenderer, site-in-charge (agency) will have the overall Responsibility for execution of the entire job mentioned in the scope of work; any problem administrative or technical in nature will be communicated to him by VSP for immediate redressal, if required. Once in a month the contractor or his senior representative, other than site-in-charge (agency), should meet RINL Engineer-in-charge to get feedback and status of the contact.
21. All the maintenance activities within the scope of work shall be carried out by the valid electrical license holder agency as applicable and It will be the responsibility of the agency to engage only competent and qualified workmen as per the latest electrical regulations and authorize / designate them suitably for the jobs assigned to individual .
22. Shift timings for entry and exit through gate to be followed as directed by safety and security authority in RINL/VSP , presently for general shift, the working hours is normally 9.00 AM to 5.30PM , for shift personnel, the working hours are 6.00AM to 2.30PM, 2.00 PM to 10.30PM & 10.00PM to 6.30AM.
23. Site in charge of the agency shall co-ordinate with the RINL Engineer- In charge for all the planning, execution as per the terms and conditions of the contract.
24. The contractor shall carry out the Planned Preventive Maintenance of equipments as per the schedule approved by Engineer In charge/his representatives. The monthly PPM schedules shall be prepared/ reviewed jointly in last week of every month and the contractor has to follow the schedule in the next month. Summary of completion reports shall be submitted to the Engineer-in-charge/his representatives at the end of the month. RINL/VSP will facilitate co ordination for shut down wherever it is necessary.
25. Contactor shall provide the shift chart before starting of month with mutual understanding with RINL Engineer- in charge. In case of any changes or needs prior permission from RINL Engineer- in charge.
 - a. In the event of any breakdown, the agency shall continue the breakdown job without any delay till the equipment is brought in to operation.
 - b. During common shutdown, the agency shall take up the maintenance jobs which could not be done in normal days. Contractor shall arrange resources like extra manpower, tools etc. to accomplish all such jobs during the shutdown.
26. All incidental items of work not shown or specified but reasonably implied and found to be necessary for successful completion of the work shall be deemed to be included in the scope of work at no extra cost.
27. The tenderer shall adhere to all the safety norms and standards Prescribed by VSP time to time.

28. GST clause:- The scope of materials supply and consumables supply in the present proposal are as follows :-

- a. Materials to be supplied by VSP: Spares.
- b. Consumables to be supplied by VSP: cotton wastes, grease, electrical consumables like insulation tapes, varnish, Orion, paint etc.
- c. Materials to be supplied by Contractor: Nil.
- d. Consumables to be supplied by Contractor: Nil.
- e. The deduction of GST will be done as per the rules prevailing from time to time.

29. MAINTENANCE LOG BOOK: The agency shall maintain daily logbook (job detail register) for the work done, spares/consumables used, any breakdown etc. and get it signed by engineer-in-charge or his representative at the end of the shift/day.

30. Injury to human being or loss of human life due to mal operation, improper handling, negligence or deliberate act shall be penalized and recovered from contractor as per the relevant GCC of RINL/VSP.

31. If any person employed by the contractor is found to be incompetent or found to act in an improper manner or hampering the interest of the organization in any way the matter will be brought to the notice of the contractor and the contractor has to take necessary disciplinary action against such person(s). Disciplinary action is inclusive of replacement of such person(s).

32. **VSP provides the following facilities at free of cost:**

- a) Co-ordination for arrangement of gate passes/permits to facilitate movement of personnel / tools & tackles.
- b) All spares of equipments shall be arranged by RINL/VSP. For all the electrical equipments like spares for motors, switchgears, cable, cable jointing kits, including lighting spares. Tenderer to note that all spares may not be of one is to one replacement type, some modifications may be required for replacement.
- c) Documents: RINL/VSP will provide all required drawing/documents as provided by OEM or turnkey supplier. The same is to be returned back to RINL/VSP in sound condition at the end of the contract. To keep the drawings in sound condition the agency may require making copy of drawings of daily requirement.
- d) Free supply of electricity and water.
- e) Supply of all consumables as required like LPG & Oxygen gases, welding electrodes, cotton wastes, grease & lubricants, electrical consumables like insulation tapes, varnish, Orion, paints etc.
- f) Shutdown register, shutdown forms and shutdown tags.

ADDITIONAL SPECIAL CONDITIONS:

1. As timely performance is the essence of the contract, the agency shall be responsible for round the clock assistance in condition monitoring, inspection MAINTENANCE of RCPH OF TPP, SIDE STREAM FILTRATION AT PH#4 AND RCPH OF SINTER PLANT-2 Water system electrical. The agency shall adhere to the following critical parameters
2. Round the clock operation in A,B,C shifts:
Acceptable Limit / Target: With stipulated manpower as per specification
Penalty: Applicable as per the SLA CLAUSE, Point no.17 in terms& condition for non availability, per person in A, B, C shift per instance.

NOTE: Tenderer should ensure availability of man power in A, B, C shifts as **INDICATED IN Manpower requirement (Annexure-C) No.3** round the clock without fail. Any absenteeism will attract penalty.

ANNEXURE-A**LIST OF EQUIPMENT**

MAJOR LOADS AND EQUIPMENTS AND PANELS OF TPP RC PUMP HOUSE				
S.No.	Item	Details	Qty	Remarks
1	TPP RCPH-LCSS1	LT PANEL	1	
2	CT MCC	LT PANEL	2	
3	VENT MCC	LT PANEL	1	
4	MPDB	LT PANEL	1	
5	MLDB	LT PANEL & LIGHTS	1	
6	STATIC EM.LIGHTING		1	
7	BATTERY BANK		1 SET	
8	BATTERY CHARGER		1 SET	
9	EARTH PIT&NETWORK		1	
10	L.ARRESTOR NET WORK		1	
11	DCDB		1	
12	UPS/BATTERY		2	
13	LIGHTING TRANFMR.		2	
14	LIGHTING			

MAJOR LOADS AND EQUIPMENTS AND PANELS OF SP-2 RC PUMP HOUSE				
1	LT MCC-8	LT PANEL	1	
2	SOFT STARTER PANEL	LT PANEL	4	
3	EARTH PIT&NETWORK		4	
4	RIO PANEL		1	

5	LDB		1	
6	I/C 1 & 2		2	

Panel Details of MCC-1 Side stream filtration at PH-04				
1	Incomer-1	LT Panel	1	
2	Incomer-2	LT Panel	1	
3	Welding Receptacle Supply		2	
4	LDB		1	
5	UPS		1	
6	Air Conditioner		2	

LIST OF MOTORS FOR TPP RCPH

S.No	DISCRIPTION	Installed Qty	Working	Stand By	Motor kW	Speed RPM	Make
RC Pump House (MCC-1)							
1	Cooling tower fans	5	5	0	125	1472	marathon
RC Pump House (MCC-2)							
2	Cooling tower fans	6	4	2	125	1472	marathon
Side Stream Filtration							
3	Filter Backwash pump	3	2	1	45	1450	marathon
4	Filter air blower	3	2	1	30	1460	marathon
Chlorination Equipment							
5	Bulk acid unloading pumps (HCl) (Clo2)	2	1	1	1.5	2900	marathon
6	Sodium chlorite unloading pumps (Clo2)	2	1	1	1.5	2900	marathon
7	Air compressor - for Instrument air/service air	1	1	0	15	1450	marathon

8	RCPH 25/5 Ton EOT crane	1					
9	Main hoist	1	1	0	18.5	-	
10	Aux hoist	1	1	0	7.5	-	
11	Trolley				3.7		
12	Long travel	1	1	0	3.7	-	
13	Cross travel	2	2	0	3.7	-	
14	Elect hoist	1	1	0	2.1	-	

LIST OF MOTORS FOR SINTER PLANT-2 RCPH

	RC PUMP HOUSE MCC-8						
1	Recirculation water Pumps	4	2	2	180	1488	CGS
2	Cooling Tower Fans	2	2	0	55	1480	CGS
3	Drinking Water Supply Pumps	3	2	1	11	1460	CGS
4	Raw mix Moisturizing pumps	2	1	1	37	1475	CGS

EQUIPMENT LIST OF SIDE STREAM FILTRATION AT PH#4

1	Filter Air Blower	3	2	1	15	1475	CGS
2	Back wash Booster Pump	3	2	1	37	1480	CGS
3	Back wash waste Pumps	4	2	1	75	1480	CGS

EQUIPMENT LIST OF TPP RCPH CT EXTENSION MCC

1	LCSS Extension	1	1	--	--	---	---
2	MPDB panel	1	1	---	---	---	----
3	Cooling Tower Fans	4	4	0	125	1480	CGS

ANNEXURE-B**LIST OF MINIMUM TOOLS, TACKLES AND OTHER ITEMS TO BE ARRANGED BY THE TENDERER**

1	500 V Megger	2 nos.
2	2500/5000V megger	1nos.
3	Digital Multi meter	3nos.
4	DE Spanner Set (4mm to 32mm)	2 sets
5	Ring Spanner set (4 mm to 32 mm)	2 sets
6	Box spanner set	2 sets
7	Nose Pliers, cutting pliers	2 sets
8	Hammer, Mallet & Chisel	2 each
9	Screw driver of all sizes	1 complete set
10	Electrician tool bag (leather/Canvas) with full tool kit	2 Nos
11	Drilling machine with all sizes of bits	1 Nos
12	Air blower	1 Nos
13	Align key set of all sizes	1 set
14	Hack-saw frame with blade	1
15	Torch light	1

Note: These items can be taken back by the tenderer after the final settlement of the Bill. Tenderer will ensure sufficient tools and tackles for their employees all the time (posted in A, B, C shifts and G shift). Any other tools necessary for performance of any job mentioned as per scope of work are to be arranged by the tenderer only. RINL/RINL/VSP will provide only special tools provided by the OEM.

ANNEXURE-C***Man- Power Requirement***

Tenderer shall maintain required manpower all the time so that plant availability is not affected. Following is the organization table of the proposed **minimum manpower strength** to be deployed at site for the electrical operation and maintenance of Electrical equipments in RCPH OF TPP, SIDE STREAM FILTRATION AT PH#4 AND RCPH OF SINTER PLANT-2 area.

S.No.	Position/post	Qualification	Min Experience	Three shifts (A,B,C)	Gen shift
1	Site In-charge	Graduate B.E/B.Tech Engineer in Electrical discipline(4 year course)/Diploma in Electrical(3 year course) from a Govt. Institution or Govt recognized institution	3 years in operation, maintenance & troubleshooting of LT installations for Graduates/ 4 years experience in operation, maintenance & troubleshooting of LT installations for Diploma holders.		1
2	Supervisor/Technicians	Diploma in Electrical(3 year course) from a Govt.Institution or Govt recognized institution/ Graduate B.E/B.Tech Engineer in Electrical discipline(4 year course)/I.T.I. electrician (2 year course) from Govt.ITI or govt. recognized ITI	2 years in operation, maintenance & troubleshooting of LT installations for Graduates/ 3 years experience in operation, maintenance & troubleshooting of LT installations for ITI/ Diploma holders.	4	
3	Technicians	I.T.I. electrician (2 year course) from Govt.ITI or govt. recognized ITI	3 years in LT installations		1
4	Unskilled manpower	8th class pass			1

Note:

1) 3 Semi skilled workers are deployed to complete the BOQs mentioned in C-17, in addition to the above man power.

2)It will be the responsibility of the bidder to deploy sufficient manpower simultaneously in different areas as stated above to take up the maintenance, housekeeping and other activities so that no parallel job shall suffer or delayed due to shortage of manpower.

QUESTIONNAIRE**WORK : TPP RCPH and SP-2 WATER SYSTEM COMPLEXES MAINTENANCE AND UPKEEP OF ELECTRICAL INSTALLATIONS**

<p>1. Confirm whether the specification attached/mentioned in BOQ are thoroughly seen and understood and also the agency has satisfied himself about the working condition after site visit.</p> <p>Yes/NO</p>
<p>2. Confirm whether the tenderer has working experience of 11 KV & 6.6 KV switchboard power system (switchgear & protection system) and capable of doing regular maintenance and trouble shooting.</p> <p>YES/NO</p> <p>If YES, then has the documentary proof been attached along with the offer? YES / NO</p>
<p>3. Confirm whether the tenderer has working experience on VVVF Drives, microprocessor based numerical protection relays and capable of doing regular maintenance and trouble shooting.</p> <p>YES /NO</p> <p>If YES, then has the documentary proof been attached along with the offer? YES / NO</p>
<p>4. Confirm whether the tenderer has experience of maintenance of L.T.motors (415V) of different capacity and H.T. motors (6.6 KV, 350KW and above) and capable of doing routine maintenance , condition monitoring and troubleshooting associated with motors .</p> <p>YES /NO</p> <p>If YES, then has the documentary proof been attached along with the offer? YES / NO</p>
<p>5. Note.</p> <p>a) Working experience means experience either in operation & maintenance or manufacturing or erection & testing or Installation & commissioning.</p> <p>b) Your tender shall be summarily rejected if any of the answer to the conditions 2 to 4 is "NO".</p>

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) **Group Personal Accidental Insurance (GPAI)** : Insurance policy for payment of ex-gratia amount of Rs.11,00,000/- (Rupees Eleven 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
Agencies are required to take the Group Personal Accidental Insurance (GPAI) policy for payment of ex-gratia from the RINL approved Insurance Service Provider as per the details given in the website as mentioned below :
www.vizagsteel.com----->Tenders----->Works Contracts ----->Standard Documents ---->RINL approved GPAI Service Provider Details.
 - 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, damage;
- (17) Drunk & driving;
- (18) Non availability of 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 – II 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:
- Time for mobilization after issue of FAX Letter of Intent/detailed Letter of Intent / Work Order shall be;
 - 03 (Three) days for Capital Repairs
 - 15 days for Civil Works
 - 60 days for painting works of Structural Engineering Department
 - 07 (Seven) days for Annual Mechanical, Electrical and works of technological assistance/cleaning.
 - 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.
 - 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), VISAKHAPATNAM, Escalation amount to the contract shall be payable as per the following formula:

$$V=a*(USR-USRo)+b*(SSR-SSRo)+c*(SKR-SKR0)$$

WHERE:

V = Escalation Payable

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), VISAKHAPATNAM, 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.
- 37.2.4. Welfare Allowance (SMA & ASMA) shall be payable to contract labour deployed in site in Highly Skilled, Skilled, Semiskilled and Unskilled categories including supervisors other than Service Engineers/Engineers/Contractor's representative/ Administrative staff of contractors e.g., HR officers, Office Staff, Regular Employees of Contracting agency, drivers deployed for their staff cars / envisaged temporary contract labour on one time basis / additional contract labour engaged on one time basis (during execution)
- 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 ----NIL SSK ----NIL, SK----NIL
- 2) Component ----- Retrenchment compensation
Recovery amount per labour per every working day -----
USK ----Rs.25.53 ps, SSK ----Rs.28.79 ps, SK----Rs.33.81 ps
- 3) Component ----- Leave with wages
Recovery amount per labour per every working day
USK ----Rs.31.42 ps, SSK ----Rs.35.43 ps, SK----Rs.41.61 ps

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.56.95 ps, SSK ----Rs.64.22 ps, SK----Rs.75.42 ps

- 4) Component ----- Bonus
Recovery amount per labour per every working day
USK ----Rs.51.04 ps, SSK ----Rs.57.55 ps, SK----Rs.67.59 ps

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.107.99 ps, SSK ----Rs.121.77 ps, SK----Rs.143.01 ps
10% towards profit and over heads of contractor
USK ----Rs.10.80 ps, SSK ----Rs.12.18 ps, SK----Rs.14.30 ps
Total recovery amount
USK ----Rs.118.79 ps, SSK ----Rs.133.95 ps, SK----Rs.157.31 ps

Note:

- i) The above recovery rates are effective from 01/10/2022. In case of any statutory revision in minimum wages payable to contract workmen as notified by the Regional Labour Commissioner (Central), VISAKHAPATNAM 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.
- iii) The contractor shall have to pay the Terminal Benefits like Notice pay (if notice is not served by the contractor to the workman as per statutory requirements), Retrenchment compensation, Annual leave with wages and bonus to the contract labour as per statutory provisions applicable to them at the end of the work order or extension of contract, if any and as the case may be, through Bank and submit the proof thereof for the release of Pre-Final/ Final Bill by RINL to the contractor, failing which it will be deemed that the contractor had not paid the dues to the contract labour and RINL will release the terminal benefits payable to the contract labour engaged by the contractor by defraying the same from the amount recovered by and available with it towards the terminal benefits from the bills of the contractor and any other sums of the contractor available with the RINL, further the contractor will be debarred for a period of one year from participating in any of the RINL's future tenders from the date of the order

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.
 - b) 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 or 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.
- 45) If the tenderer's quoted price appears to be abnormally low, the Tender Committee may seek written clarification from the bidder to demonstrate his capabilities to deliver the contract at offered price. In case the Tender Committee is not satisfied with the tenderer's clarifications, the proposal/bid may be rejected. Such tenderer may be recommended for disqualification from participating while retendering the subject work.

46) Procedure for Banning of Business Dealings with the Parties / Contractors / Suppliers / Customers / Purchasers / Bidders/ Tenderers

1. RINL may ban/ suspend the Business Dealing with the agency / remove the agency from the list of registered supplier/ contractors (with / without inter connected agencies) at any stage of the contract viz. Tendering, Awarding, Execution and during or even after expiry of Defect Liability Period/ Warranty/ Guarantee Period on the following grounds:

- (a) If the Agency has been convicted of an offence under:
 - i) The Prevention of Corruption Act, 1988; or
 - ii) The Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.the Agency shall be debarred for a period as specified in the General Financial Rules (GFR) issued by Govt. of India;
- (b) If it is determined that the Agency has breached the code of Integrity, the Agency shall be debarred for a period as specified in the General Financial Rules (GFR) issued by Govt. of India;
- (c) In case of violation/ transgression of Integrity Pact (IP);
- (d) If the security consideration, including questions of loyalty of the Agency to the State, so warrants;
- (e) If the Director / Owner of the Agency, proprietor or partner of the firm, is convicted by a Court of Law for offences involving moral turpitude in relation to its business dealings with the Government or any other public sector enterprises or RINL, during the last five years;
- (f) If there is strong justification for believing that the Directors, Proprietors, Partners, owner of the Agency have been guilty of malpractices such as bribery, corruption, fraud, substitution of tenders, interpolations, etc;
- (g) If the Agency continuously refuses to return / refund the dues of RINL without showing adequate reason and this is not due to any reasonable dispute which would attract proceedings in arbitration or Court of Law;
- (h) If the Agency employs a public servant dismissed / removed or employs a person convicted for an offence involving corruption or abetment of such offence;
- (i) If business dealings with the Agency have been banned by the Govt. or any other public sector enterprise;
- (j) If the Agency has resorted to Corrupt, fraudulent practices including misrepresentation of facts and / or fudging / forging / tampering of documents;
- (k) If the Agency uses intimidation / threatening or brings undue outside pressure on the Company (RINL) or its official in acceptance / performances of the job under the contract;
- (l) If the Agency indulges in repeated and / or deliberate use of delay tactics in complying with contractual stipulations;
- (m) Willful indulgence by the Agency in supplying sub-standard material irrespective of whether pre- despatch inspection was carried out by Company (RINL) or not;
- (n) Based on the findings of the investigation report of CBI/ Police against the Agency for malafide/ unlawful acts or improper conduct on his part in matters relating to the Company (RINL) or even otherwise;
- (o) Established litigant nature of the Agency to derive undue benefit;
- (p) Continued poor performance of the Agency in several contracts;
- (q) If the Agency misuses the premises or facilities of the Company (RINL), forcefully occupies, tampers or damages the Company's properties including land, water resources, forests / trees, etc.

(Note: The examples given above are only illustrative and not exhaustive. RINL may decide to ban/suspend business dealing for any good and sufficient reason. Any other banning clauses mentioned elsewhere in the Tender Documents shall also be considered as a ground for banning/suspension of business dealing.)

2. 'Inter-connected Agency' shall mean two or more agencies having any of the following features:
 - (a) If one is a subsidiary of the other.
 - (b) If the Director(s), Partner(s) Manager(s) or Representative(s) are common;
 - (c) If management is common
 - (d) If one owns or controls the other in any manner
3. Any allegation(s) against an agency with good and sufficient reasons for banning business dealing with the agency, except for banning of business dealings with foreign suppliers of coal/ coke, shall be put up to Standing Banning Committee (SBC) of RINL for investigation.
4. In case of removal of the agency from the list of registered vendors/ contractors of RINL, the agency shall not be disqualified from competing in Global/ Open Tender Enquiries (GTE/OTE) but Limited Tender Enquiry (LTE)/ Single Tender Enquiry (STE)/ Short Open Tender (SOT) may not be given to the agency concerned.
5. If the allegations against any agency are of a serious nature, RINL may suspend business dealings with the agency (with / without inter connected agencies) pending investigation, with/ without any show cause notice. The suspension shall be for a maximum period of nine months (six months initial extendable by three months in case investigations are not completed) or till the decision of SBC, whichever is earlier. In case of suspension of the agency, RINL may consider to discontinue all the existing contract(s) with the agency. During the period of suspension, no further business dealing including placement of orders against tenders under finalization shall be made with the agency w.e.f. the date of suspension.
6. After issue of suspension order, till the conduct of the agency is under investigation, RINL will not entertain any correspondence / argument from the agency (except receiving reply to the show cause notice).
7. If the agency desires some information / clarification or desires to see any document before replying to the show-cause notice, the agency may appear in person in the Standing Banning Committee meeting on the stipulated date and time wherein the agency will be furnished the desired information including sharing of relevant document. If the agency requests for inspection of any relevant document in possession of RINL, necessary facility for inspection of documents will be provided. The agency may correspond only with the SBC.
8. Convener SBC shall issue notice to the agency asking him/her to attend the meeting in person or informing him/her that he/she may send his/her representative. The date, time and venue of the meeting shall be clearly mentioned in the notice. To meet the ends of 'Natural Justice ', two opportunities will be given to the agency to send their representative. In case of failure, SBC can proceed ex parte.
9. Opportunity will be given to the agency to submit any documents or evidence in his defense to SBC. Cross examination of the agency if required shall also be done by SBC.
10. The Banning Order based on the investigation by SBC shall be issued to the agency. In case of Banning of Inter -connected agencies the copy of the Banning Order shall be sent to known inter-connected agencies also.
11. Banned/Suspended agencies are not eligible for submission of quotations/offers against any type of tender (GTE/OTE/LTE/STE/SOT) during the period for which they have been suspended/banned for business dealings with RINL and if submitted, those quotations/ offers will be treated as unsolicited and shall not be considered.
12. The agency may file an appeal against the Banning Order to CMD-RINL within 30 days from the date of issue of the Banning Order.

13. Agency, may seek review of the banning order passed originally by RINL, either before or after filing of appeal before the Appellate Authority or after disposal of appeal by the Appellate Authority, upon disclosure of new facts / circumstances or subsequent development necessitating such review.
14. RINL may decide to circulate the name of agency with whom business dealings have been banned, to the Government Departments, other Public Sector Enterprises, etc. for such action as they deem appropriate.
15. If business dealing with any agency has been banned by the Central or State Government or any other Public Sector Enterprise, RINL may, without any further enquiry or investigation, issue an order banning business dealing with the agency and its inter-connected agencies.

Note: 'Party / Contractor / Consultant/ Supplier / Purchaser / Customer/ Bidder/ Tenderer' is indicated as 'Agency'.

- 47) ESI contribution @ 4% (Employer's Contribution @ 3.25% Employees' contribution @ 0.75%) towards Welfare Allowance (if applicable) as per Clause No.37.2 and Ad-hoc amount as per Clause No.37.1 of all the eligible contract workers is to be paid to ESI Authorities by the bidders / contractors. The Employer's contribution paid by the bidders / contractors will be reimbursed by RINL on submission of documentary evidence to the Engineer-in-charge of the work for the payment made. The workers' contribution shall be deducted from the wages of the workers by the contractors
- 48) Bank Guarantee (BG) in Structured Financial Messaging System (SFMS) mode :
 - A) The prescribed format in which BGs are accepted is given in General Conditions of Contract (GCC) available in the website as mentioned below :
www.vizagsteel.com----->Tenders----->Works Contracts ----->Standard Documents ----->General Conditions of Contract
 - B) Vendor/Supplier/Customer shall obtain Bank Guarantee from Branches of Banks (Scheduled Commercial Bank/ Nationalized Bank etc. which are having SFMS Facility.
 - C) The Details of BG Advising Bank for sending confirmation of BGs in Structured Financial Messaging System (SFMS) mode is given below:
Bank : State Bank of India ,Commercial Branch
IFSC Code : SBIN0014407
Address : 43-29-54/8, Balaji Metro Chambers,
Dondaparty, Visakhapatnam – 530016.
SWIFT : SBININBB745
In case of New BG, SFMS Message type (MT) should be "760" and in case of Extension or Amendment SFMS Message type (MT) should be "767" (In case, another Bank is identified by Management as Advising Bank either for HQ or for Branches for confirmation of Bank Guarantee through SFMS mode that bank details will be informed.)
 - D) The email address of issuing bank and local enforcing bank to be indicated along with their addresses in the BG format.
 - E) Scanned Copy of Original BG along with SFMS Message should be forwarded by issuing Bank to concerned Tender / Contract Dept.'s Email id specified in the tender document.
 - F) All Bank Charges levied by Advising Bank for confirmation of BGs in SFMS mode relating to Vendor/Supplier/Customer are to RINL Account.
 - G) It is informed to all Vendor/Supplier/Customer etc., that Issuing Bank should submit the BGs to Works Contacts Department of RINL by Registered Post / Speed Post along with
 1. SFMS Message of issuing Branch.
 2. Scanned copy of signed Original BG is to be sent to concerned E-mail address of Tendering / Operating Dept. as mentioned in the Tender Document / Contract.

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

Name of work: **TPP RCPH AND SP-2 WATER SYSTEM COMPLEXES MAINTENANCE
AND UPKEEP OF ELECTRICAL INSTALLATIONS**

RFx No.2600008815

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 do hereby agree that action may be taken as per Bid Security Declaration(BSD) submitted 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.

If our Company is a Partnership Firm, if the Partnership Firm is re-constituted, I/We hereby declare that I/we will submit the latest Notarized Re-constituted Partnership Deed along with Firm Registration Certificate of the re-constituted firm and the original Notarized Partnership Deed.

Signature of the Tenderer

BID SECURITY DECLARATION
(In Lieu of EMD)

Tender No. / RFx No: 2600008815

Dated: (DD-MM-YYYY)

I/We have understood that, according to the conditions of Tender document, bids must be supported by a Bid Security Declaration (BSD). Accordingly, I am / We are submitting this "Bid Security Declaration" as follows:

I/We accept that, I/We will automatically be debarred from participation in all future tenders of RINL for a period of three (3) years and also already submitted bids (if any) shall not be considered for further evaluation, in case of any of the following:

a) If I/we withdraw/ modify our Bid after tender opening and during the period of bid validity stipulated in the tender document or any extension thereof.

Or

b) Having been notified of the acceptance of our Bid by RINL, during the period of bid validity, if I / We

- i. Fail or refuse to execute the Contract. (or)
- ii. Fail or refuse to furnish the security deposit, as stipulated in the Tender Document/Work Order/ Letter of Acceptance/ Purchase Order. (or)
- iii. Fail or refuse to comply with any other aspect of the tender which otherwise would have involved forfeiture of EMD.

[Signature]

In the capacity of:

[Legal capacity of person signing the Bid Security Declaration]

The bidder shall submit a documentary proof (viz. certified/true copy of board resolution / Power of Attorney etc.) with respect to Legal capacity of person signing the BSD.

Name:

[Complete name of person signing the Bid Security Declaration]

Duly authorized to sign the bid for and on behalf of: [Complete name of Bidder and Address]

Date: [Date of signing]

Corporate Seal: (wherever applicable)

Note: In case of a Joint Venture / Consortium, wherever allowed, the BSD must be in the name of all partners to the Joint Venture / Consortium that submits the bid.