



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

W34 - KOTESWARA RAO T
VISAKHAPATNAM STEEL PLANT, ,
VISAKHAPATNAM - 530031, ANDHRA PRADESH -
INDIA

CIN: U27109AP1982GOI003404

PHONE: 7382295866,

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

एन आई टी का प्रकार NIT TYPE: 2-PRT % BID E-RFX
VSP/1200/TPP(M)/2024/00097

एन आई टी संख्या व तिथि NIT NUMBER & DATE 2600008791 Dated 20.03.2024

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

1 NAME OF THE WORK:

MECHANICAL MAINTENANCE OF TG-5 AND TB-4 AND THEIR AUXILIARIES.

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	15.04.2024 15:00	16.04.2024 15:00

- Contract Period: 24 Months
- Defect Liability Period: 03 Months
- Welfare Allowance. : APPLICABLE.
- Engineer In-charge: DGM(Mech.), Mobile No. 7382295727
- Type of Contract: Term Contract
- Type of Job : Regular.

ESTIMATION VALUE : INR 64,61,225.90

3 ऑफर की वैध तिथि OFFER VALIDITY DATE :

Your offer should be valid upto 15.08.2024.

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
1615306.47	969183.88

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

a),,
i) 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 Rs. 16,15,306=47 ps during last 7 years ending last day of previous month of the NIT date.

ii) Agencies should have successfully executed.
Maintenance OR Capital Repair OR Erection and Commissioning

of

Steam Turbine of Turbo-Generator or Turbo-Blowers.

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 Rs. 9,69,183=88 ps during last three financial years (2020-21, 2021-22 & 2022-23) ending 31st March of previous financial year i.e., 31-03-2023

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

6. NATURE & SCOPE OF WORK:

AS PER TENDER SCHEDULE.

7 मद का विवरण/बी ओ क्यू।ITEM DETAILS/BOQ :

AS PER TENDER SCHEDULE..

8 निविदा कामजात 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. BID Security Declaration.
3. Undertaking Letter.

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 technically 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 eFolder 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 VSP's 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.

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries

01. OIL COOLERS MAINTENANCE:

Remove water box end cover on both sides after making proper material handling arrangement. Clean the tubes by mechanical method with lengthy rod or with high pressure water jet to the satisfaction of Engineer-in-Charge. Replace the gasket and 'O' ring of water box end cover, if required. Gasket sheet and 'O' ring cord will be issued by VSP free of cost. Remove water box end covers inside scale. Fix water box end covers in position. Leakages, if any on water side or oil side are to be attended by agency. Area is to be cleaned to the satisfaction of Engineer-in-Charge after job is over.

Note: Maintenance of one cooler is considered as one unit for billing purpose.

02. LUBE OIL FILTERS REPLACEMENT:

Shift spare oil filters from stores to site. Open vent line joint of oil filter. Drain oil by running lube oil centrifuge. Remove filter top cover bolts and open the cover. Remove old filters. Put spare filters in position. Fill oil slowly to avoid drop in oil header pressure. Put filter top cover in position and tighten the bolts. Oil leak, if any is to be attended. Removed filters are to be cleaned or disposed of as instructed by Engineer-in-Charge.

Note: Replacement of one filter unit is considered as one unit for billing purpose.

03. LUBE OIL CENTRIFUGE BOWL CLEANING AND PREVENTIVE MAINTENANCE:

Open centrifuge top cover. Loosen bowl lock nut. Bowl plates which are attached to the vertical column are to be removed. Clean bowl plates with cleaning agent and marking cloth. Bowl mode [purifier or clarifier] is to be changed, if required. Clean bowl housing. Assemble bowl plates and tighten lock nuts. Clean suction strainer, if required. Check gear box oil condition and change oil, if required. Oil will be provided by VSP free of cost. Run centrifuge after assembly and check whether it is rotating at full speed or not. When centrifuge is in purification mode, water sealing is required. If the sealing water valve is not in good condition, it is to be changed.

Note: Maintenance of one centrifuge is considered as one unit for billing purpose.

04. RUNNING OF LUBE OIL CENTRIFUGES AND INSPECTION DURING ITS RUNNING:

Start lube oil centrifuge as per SOP provided by VSP and keep running for minimum 8 hours. Check for oil leakages during running of centrifuge and after stopping the unit immediately. Oil leak or any abnormalities observed during centrifuge running are to be reported to the Engineer-in-charge or his representative.

Note: There are 5 lube oil centrifuges each for Turbo generators and Turbo Blowers. Running of all 5 centrifuges for TGs or TBs is considered as one unit for billing purpose.

05. LUBE OIL PUMPS COUPLING REPLACEMENT:

De-couple pump and motor. Inspect coupling and replace coupling hubs, spider etc., if required. Align pump and motor and coupling them.

Note: Coupling replacement in one pump is considered as one unit for billing purpose.

06. COOLING WATER BOOSTER PUMP COUPLING REPLACEMENT:

De-couple pump and motor. Inspect coupling and replace coupling hubs, spider etc., if required. Align pump and motor and coupling them.

Note: Coupling replacement in one pump is considered as one unit for billing purpose.

07. LUBE OIL PUMP OVERHAULING:

De-couple pump and motor. Inspect coupling and replace coupling hubs, spider etc., if required. Remove the pump from position and dismantle it. Inspect oil seal, bearings & internals and replace, if required. Spares will be issued free of cost by VSP. Position the assembled pump or spare pump issued by VSP free of cost. Align pump and motor and coupling them.

Note: Overhauling of one pump is considered as one unit for billing purpose.

08. COOLING WATER BOOSTER PUMP OVERHAULING:

De-couple pump and motor. Inspect coupling and replace coupling hubs, spider etc., if required. Remove the pump from position and dismantle it. Inspect oil seal, bearings and internals and replace, if required. Spares will be issued free of cost by VSP. Position the assembled pump or spare pump issued by VSP free of cost. Align pump and motor and coupling is to be done.

Note: Overhauling of one pump is considered as one unit for billing purpose.

09. LUBE OIL/ COOLING WATER BOOSTER PUMP NRV SERVICING:

Open NRV top cover. Inspect NRV operation and check its proper closing. Overhaul NRV to make it free and provide necessary washer to ensure proper opening and closing of NRV. Box-up the top cover and attend the oil leak, if any, after charging oil.

Note: NRV servicing in one pump is considered as one unit for billing purpose.

10. TURBINE FRONT/REAR JOURNAL AND THRUST BEARING INSPECTION:

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries
Remove gland steam line. Open bolts and remove housing top cover. Remove thrust bearing top half for front bearing. Remove top half of journal bearing. Remove bottom half of thrust bearing for front bearing. Remove jacking oil lines of journal bearing and bottom half of journal bearing after jacking it. Polish journal and journal bearing. If required, bearing is to be replaced. Centre the bearing with respect to casing and correct pedestal skewness. Assemble bearing and box-up top cover.

Note: Inspection of one Bearing is considered as one unit for billing purpose.

11. CONDENSATE EXTRACTION PUMP PREVENTIVE MAINTENANCE:

Open the bearing cover bolts and remove the split covers. Clean the covers thoroughly. Drain oil in the bearing sump and clean inside surface with marking cloth thoroughly. Take out gauge glass unit and clean thoroughly. Change the glass or unit if required and fix it in position. Flush the bearing sump with fresh oil and clean inside surface. Fix drain plug in position and top up fresh oil till required level in gauge glass. Fix bearing covers in position. Inspect coupling bolts and change coupling bush or bolt assembly, if required. Check and improve water flow through cooling coil. Replace gland packing, if required. Tighten parting plane bolts, suction & discharge flange bolts, if required.

Note: Preventive maintenance of one CEP is considered as one unit for billing purpose.

12. CEP SUCTION STRAINER CLEANING:

Open the union/flange joint in vent line. Open strainer top cover bolts and remove the cover carefully. Take out strainer and clean thoroughly with water, air and nylon brush. Put it in position. Prepare strainer top cover gasket and change, if required, after cleaning the surface. Put top cover in position and tighten the bolts. Connect vent line and tighten union/flange bolts.

Note: Suction strainer cleaning in one CEP is considered as one unit for billing purpose.

13. CEP TOP BEARING 29420E REPLACEMENT:

Open motor fixing bolts and take out motor with the help of EOT crane. Open the bearing cover bolts and remove the split covers. Clean the covers thoroughly. Drain oil in the bearing sump. Take out pump coupling half. Remove thrust bearing bush from the bearing. Take out old bearing. Open union joints in water lines of cooling coil carefully without damaging the coil. Take out cooling coil. Clean the inside surface thoroughly with marking cloth. Prepare and place gasket below bearing outer race. Check the condition of cooling coil and replace, if required. Put the new bearing in position and check its contact with outer race. Fix thrust bearing bush in position. Place pump coupling half in

position. Check pump float and lock it in middle position. Check free rotation of pump in middle position. Take out gauge glass unit and clean thoroughly. Change the glass or unit, if required and fix it in position. Flush the bearing sump with fresh oil and clean inside surface. Fix drain plug in position and top up fresh oil till required level in gauge glass. Fix bearing covers in position. Put motor back in position and tighten bolts.

Note: Bearing replacement in one CEP is considered as one unit for billing purpose.

14. CEP OVERHAULING:

Open motor fixing bolts and take out the motor with the help of EOT crane. Open the coupling locknut and take out the coupling hub. Open the bearing cover bolts and remove split covers. Take out bearing and drain oil. Disconnect bearing cooling water lines, gland sealing line and pressure equalizing line. Open suction flange bolts. Open discharge flange bolts. Open CEP foundation bolts. Take out the CEP with the help of EOT crane and place it on sleepers horizontally. Open the intermediate piece (containing bearing sump) bolts and take it out with the help of EOT crane. Open the discharge head bolts and take it out with the help of EOT crane. Open the bolts of the pipes enclosing the shafts and remove the top half (motor side) out. Remove the intermediate bearing and inspect it. Change intermediate bearing, if required, after grinding the rubber part to proper size. Open pump impeller assembly tie rods. Stage bodies are to be removed one after another. Diffusers, distance bushes, impellers are to be removed one after another. Place all the removed parts in a place shown by the Engineer-in-Charge or his representative. Intermediate coupling bolts to be opened and shafts to be separated. Remove gland sleeve and intermediate sleeve by gas heating. Run out of both the shafts to be checked and the shafts to be changed if the Engineer-in-Charge instructs. Fix new gland sleeve and intermediate sleeve to the shafts after grinding them to proper size for fitting to the shafts. The sleeves to be heated by gas heating set and fixed to the shafts. New intermediate coupling bolts to be machined to required size. Old intermediate coupling hubs is to be removed by gas heating. Fix new intermediate coupling hubs to the shafts by gas heating and tighten lock nuts. Place both the shafts and tighten coupling bolts. The stage bodies are to be made ready by fixing new wearing rings, if required. New wearing rings to be machined to required size, holes to be drilled for fixing and then to be fixed to the stage bodies. Machine new distance bushes to required size. If the diffusers and impellers are worn out they should be replaced as per the instructions of Engineer-in-Charge. After all the parts are ready then the pump should be assembled by fixing stage bodies, diffusers, distance bushes and impellers as per assembly drawing. The discharge head should be fixed to the pump and shaft assembly and bolts to be tightened. The intermediate piece containing the bearing sump should be fixed to the discharge head. Prepare new gaskets for pump foundation, discharge flange, suction flange, cooling water lines flanges, gland sealing and pressure equalizing lines.

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries

Place the pump in position with the help of EOT crane after bringing required slings and D-shackles from the store. After placing the pump in position, tighten the foundation bolts and suction and discharge flanges bolts. Place the bearing in position after thoroughly cleaning the sump and providing a new gasket for the outer race. Top up fresh oil in the sump after fixing the split covers and drain plug. Place the coupling hub in position and place the lock nut. By using Vernier calipers and steel rule check the float of the pump and place it in the mean position by tightening the lock nut. After the lock nut is fixed the check nut should be fixed. The pump should be rotated by hand to ensure that it is freely rotating in its mean position. New gland packing should be provided in the stuffing box during the assembly itself. The cooling water lines, gland sealing line and pressure equalizing line should be fixed. Motor should be fixed in position with the help of EOT crane and the bolts should be tightened. After returning the permit and taking trial run, the flanges should be tightened if any leaks are found.

Note: Overhauling of one CEP is considered as one unit for billing purpose.

15. REPLACEMENT OF CEP WITH SPARE PUMP:

Open the motor bolts and remove the motor with the help of EOT crane. Open the coupling lock nut and remove the coupling. Open the bearing sump bolts and remove the split covers. Take out the bearing and drain oil. Take out the cooling coil after disconnecting from cooling water lines. Open cooling water lines, pressure equalizing line and gland sealing line. Open suction flange. Open discharge flange. Open intermediate piece bolts and take it out with the help of EOT crane. Open CEP foundation bolts and take out the CEP it with the help of EOT crane. Open the discharge head bolts and remove it with the help of EOT crane. The discharge head should be fixed to the spare CEP with the help of EOT crane and bolts should be tightened. New gaskets should be made ready for CEP foundation, discharge flange, suction flange and gland sealing line, pressure equalizing line and cooling water flanges. CEP should be placed in position with the help of EOT crane and suction and discharge flanges should be matched while doing so. CEP foundation bolts should be tightened. Discharge flange and suction flange bolts should be tightened. Place the intermediate piece in position and tighten the bolts. Place the bearing in position. It should be replaced if required. Sump should be thoroughly cleaned and a new gasket should be provided for outer race. While changing the bearing a new sleeve should be machined to proper size and fixed if required. Bearing sump split covers should be fixed. Bearing sump should be filled with lube oil upto 80% level. Coupling hub should be placed in position and lock nut should be placed. Check pump float with the help of Vernier calipers and steel rule. Pump should be placed in the mean position by tightening the lock nut and then the check nut should be tightened. New gland packing should be provided in the stuffing box before placing the pump in position.

Pump should be rotated by hand to ensure its free rotation in its mean position. Fix cooling water lines, gland sealing line and pressure equalizing line. Motor should be placed in position with the help of EOT crane and bolts should be tightened. After returning the permit pump trial run is to be taken and flanges should be tightened in case of any leaks.

Note: Replacement of one CEP is considered as one unit for billing purpose.

16. TB-4 BLOWER SUCTION PULSE CLEAN FILTERS CLEANING:

There are 416 filters elements in total at three levels which are to be cleaned. Each filter should be removed after opening the bolts. Four filters are to be removed at one step and they should be carried to the air point shown by the Engineer-in-Charge. They should be cleaned thoroughly with service air. The four filters are to be fixed back in position.

Another set of four filters are to be removed and the procedure should be repeated till all the filters are cleaned to the satisfaction of the Engineer-in-Charge. The cleaning of all the suction filters should be completed within fourteen days.

Note: There are total 416 Pulse clean filters installed in three elevations and cleaning of all filters is considered as one unit for billing purpose.

17. PULSE CLEANING SYSTEM SOLENOID SERVICING/REPLACEMENT:

Take clearance from Engineer-in-Charge. Check for air leakage points or solenoids which are not working. Take out the non-working solenoids from the position, if required. Repair solenoid, if possible; otherwise replace the solenoid issued by VSP free of cost. Reposition repaired/new solenoids.

Note: There are 108 solenoids installed and servicing of all non-working solenoids is considered as one unit for billing purpose.

18. ATTENDING PIPE LINE FLANGE (SIZE UP TO 80NB) LEAKAGES IN OIL, AIR, COOLING WATER, FEED WATER AND STEAM LINES:

Open the flange joint and remove the old gasket and clean the flange faces. Check the condition of flange faces. Metal build-up is to be done, if required. Suitable welding electrode will be issued by VSP free of cost. Grind/file the built-up faces to the required level. Prepare new gasket from sheet provided by VSP free of cost. Sheet is to be collected from VSP stores. Position new gasket and tighten the bolts. Re-tighten bolts in case leak still exists. Replacement of gland packing of drip control valves, manual isolation valves.

Note: Attending of one flange leak is considered as one unit for billing purpose.

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries

19. ATTENDING PIPE LINE FLANGE (SIZE ABOVE 80 NB UP TO 150NB) LEAKAGES IN OIL, AIR, COOLING WATER, FEED WATER AND STEAM LINES:

Open the flange joint and remove the old gasket and clean the flange faces. Check the condition of flange faces. Metal build-up is to be done, if required. Suitable welding electrode will be issued by VSP free of cost. Grind/file the built-up faces to the required level. Prepare new gasket from sheet provided by VSP free of cost. Sheet is to be collected from VSP stores. Position new gasket and tighten the bolts. Re-tighten bolts in case leak still exists. Replace gland packing of drip control valves, manual isolation valves. Note: Attending of one flange leak is considered as one unit for billing purpose.

20. ATTENDING PIPE LINE FLANGE (SIZE ABOVE 150 NB) LEAKAGES IN OIL, AIR, COOLING WATER, FEED WATER AND STEAM LINES:

Open the flange joint and remove the old gasket and clean the flange faces. Check the condition of flange faces. Metal build-up is to be done, if required. Suitable welding electrode will be issued by VSP free of cost. Grind/file the built-up faces to the required level. Prepare new gasket from sheet provided by VSP free of cost. Sheet is to be collected from VSP stores. Position new gasket and tighten the bolts. Re-tighten bolts in case leak still exists. Replace gland packing of drip control valves, manual isolation valves. Note: Attending of one flange leak is considered as one unit for billing purpose.

21. ATTENDING PIPE LINE (SIZE UP TO 80 NB) WELDING LEAKAGES IN OIL, AIR, COOLING WATER, FEED WATER AND STEAM LINES:

Identify the leaking points. Shift welding machine to nearby power supply point. Shift gas cylinders and cutting set to site. Shift required pipe length to site from TPP steel storage yard or stores. Gas cut the leaking portion of pipe. Edge preparation of old pipe line and new pipe piece is to be done by grinding. Position new pipe piece and weld it. The job is to be repeated in case leak still exists upon charging.

Note: Attending one welding leak or joint is considered as one unit for billing purpose.

22. ATTENDING PIPE LINE SIZE ABOVE 80 NB UP TO 150 NB) WELDING LEAKAGES IN OIL, AIR, COOLING WATER, FEED WATER AND STEAM LINES:

Identify the leaking points. Shift welding machine to nearby power supply point. Shift gas cylinders and cutting set to site. Shift required pipe length to site from TPP steel storage yard or stores. Gas cut the leaking portion of pipe. Edge preparation of old pipe line and

new pipepiece is to be done by grinding. Position new pipe piece and weld it. The job is to be repeated in case leak still exists upon charging.

Note: Attending one welding leak or joint is considered as one unit for billing purpose.

23. ATTENDING PIPE LINE SIZE ABOVE 150 NB) WELDING LEAKAGES IN OIL, AIR, COOLING WATER, FEED WATER AND STEAM LINES:

Identify the leaking points. Shift welding machine to nearby power supply point. Shift gas cylinders and cutting set to site. Shift required pipe length to site from TPP steel storage yard or stores. Gas cut the leaking portion of pipe. Edge preparation of old pipe line and new pipepiece is to be done by grinding. Position new pipe piece and weld it. The job is to be repeated in case leak still exists upon charging.

Note: Attending one welding leak or joint is considered as one unit for billing purpose.

24. ATTENDING GLAND LEAKAGES IN OIL, AIR, COOLING WATER, FEED WATER AND STEAM LINE VALVES:

Ensure that the isolation is done before opening gland follower. Open follower bolts and lift the follower flange. Remove gland packing from the stuffing box. Put new packing provided by VSP free of cost in position and put follower flange in position. Tighten the Follower bolts. If new packing is not readily available, prepare correct size packing from rope provided by VSP free of cost.

Note: The estimate rate is for attending gland leak in various valves for one day.

25. ATTENDING TUBE LEAKAGES IN HP HEATERS OF TG-5:

Heaters are vertically mounted. Make arrangement for material handling. Remove studs and nuts of end cover. Remove end cover with help of chain pulley block. Shift the end cover away from heater. Grind the seal weld between diaphragm of 450mm diameter and end cover carefully so that diaphragm can be re-used. Shift the diaphragm away from Heater. Remove bolts of dividing plates of water box and tube sheet and take out the dividing plates. Check for tube leakage with compressed air. Plug tubes with stainless steel plugsto be provided by VSP free of cost and welding of plug with tube sheet by IBR welder. Fix the dividing plates in position. The heater shall be pneumatically tested again before final box-up. If any leaks are observed, the same shall be attended by agency. Box-up the end cover.

Note: The estimate is for plugging all leaking tubes and welding of same to tube plate in one HP Heater.

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries

26. ATTENDING TUBE LEAKAGES IN LP HEATERS IN TG-5:

Heaters are vertically mounted. Make arrangement for material handling. Remove end cover with the help of suitable chain pulley block. Check tube leakage with compressed air. Plug tubes with brass plugs to be provided by VSP free of cost. Prepare end cover gasket and replace old gasket. Box-up the end cover.

Note: Attending of all leaking Tubes in one LP Heater is considered as one unit for billing purpose.

27. ATTENDING TUBE LEAKAGES IN LP HEATERS IN TB-4:

Make arrangement for material handling. Remove end cover. Check for tube leakage with compressed air. Plug tubes with brass plugs to be provided by VSP free of cost. Prepare end cover gasket and replace old gasket. Box-up the end cover.

Note: Attending of all leaking tubes in one LP Heater is considered as one unit for billing purpose.

28. ATTENDING TUBE LEAKAGES IN HP HEATERS IN TB-4:

Make arrangement for material handling. Remove end cover. Check for tube leakage with compressed air. Plug tubes with stainless steel plugs, to be provided by VSP free of cost. Weld plug with tube sheet by IBR welder. Box-up the end cover.

Note: The estimate is for plugging all leaking tubes and welding of same to tube plate in one HP Heater.

29. STEAM JET AIR EJECTORS FLANGE GASKET REPLACEMENT:

Attend flange leakage. Remove the flange bolts, take out old gasket, prepare new gasket from sheet provided by VSP free of cost, position new gasket and tighten the flange bolts. If required, flanges are to be separated by using chain pulley block.

Note: Replacement of gasket in one flange of Steam Jet Ejector is considered as one quantity for billing purpose.

30. GOVERNING OIL FILTER REPLACEMENT:

Remove the filter housing by loosening the threads. Take out the old filter and clean the housing inside and outside. Check the condition of 'O' Ring and replace it, if required. 'O' Ring cord will be given by VSP free of cost to prepare 'O' Ring. Put the new filter in position and tighten the Housing cover. Charge oil and check for leakage and attend the same.

Note: The estimate is for replacement one filter.

31. ACCUMULATOR N2 CHARGING:

Shift N2 cylinder to the site. Check N2 pressure in accumulator with charging kit provided by VSP free of cost on returnable basis. Charge the accumulator with N2 to a pressure as instructed by Engineer-in-charge or his representative.

Note: The estimate rate is for N₂ charging of one accumulator.

32. ESV SOLENOID VALVES SERVICING:

Take out solenoid valve after removal of coil cables. Clean thoroughly external of solenoid and make matching marks with marker for reference while assembling. Open the end face covers and remove plunger and clean it thoroughly. Ensure free movement of plunger. Assemble the covers and fix the solenoid in position.

Note: Servicing of defective solenoid(s) in one ESV is considered as one unit for billing purpose.

33. TB-4 GOVERNING VALVE SERVICING:

Take out Rocker Arm after removing the pins. Remove the springs after marking the initial length. Rotate spindle(s) by 90° with the help of Eye and take it out. Remove Eye(s) from spindle(s). Assemble the valve with new spindle(s) provided free of cost by VSP. Replace the valve gland packing provided free of cost by VSP. Open side blind flange, if required, to take out the old spindle(s).

34. GOVERNING VALVE GLAND PACKING REPLACEMENT:

Take out Rocker Arm after removing the pins. Remove the springs after marking the initial length. Take out the old gland packing. Replace the valve gland packing provided free of cost by VSP. Assemble the valve.

Note: There are 5 valves and 2 valves each installed in TG-5 and TB-4 respectively. Gland packing replacement in one valve is considered as one unit for billing purpose.

35. BLOW-OFF/ANTI-SURGE VALVE ACTUATOR SEALS REPLACEMENT:

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries

Ensure that system is depressurized and isolated. Remove the oil hoses and replace with new one issued free of cost by VSP, if necessary. Replace copper washer issued free of cost by VSP, if required. Remove the actuator from position and dismantle it. Take out the old seals and replace them with new seal kit provided free of cost by VSP. Fix the actuator in position and start oil system and attend oil leak, if any.

Note: Seals replacement in one actuator is considered as one unit for billing purpose.

36. BLOW-OFF /ANTI SURGE VALVES ACTUATOR REPLACEMENT:

Ensure that system is depressurized and isolated. Remove the oil hoses and replace with new one issued free of cost by VSP, if necessary. Replace copper washer issued free of cost by VSP, if required. Remove the old actuator from position and shift it to the place as shown by Engineer-in-charge. Shift the spare actuator to site and fix it in position. Actuator will be provided free of cost by VSP. Start oil system and attend oil leak, if any.

Note: One actuator replacement is considered as one unit for billing purpose.

37. BLOW-OFF/ANTI SURGE VALVES SOLENOID SEALS REPLACEMENT:

Ensure that system is depressurized and isolated. Remove the oil hoses and replace with new one issued free of cost by VSP, if necessary. Replace copper washer issued free of cost by VSP, if required. Remove the solenoid from position and dismantle it. Take out the old seals and replace them with new seal kit provided free of cost by VSP. Fix the solenoid in position and start oil system and attend oil leak, if any.

Note: Seals replacement in one solenoid is considered as one unit for billing purpose.

38. BLOW-OFF/ANTI SURGE VALVES SOLENOID REPLACEMENT:

Ensure that system is depressurized and isolated. Remove the oil hoses and replace with new one issued free of cost by VSP, if necessary. Replace copper washer issued free of cost by VSP, if required. Remove the old solenoid from position and shift it to a place shown by Engineer-in-charge. Shift the spare solenoid to site and fix it in position. Solenoid will be provided free of cost by VSP. Start oil system and attend oil leak, if any.

Note: One solenoid replacement is considered as one unit for billing purpose.

39. ESV HYDRAULIC ACTUATOR SEALS KIT REPLACEMENT:

Take out the hydraulic actuator. Dismantle the actuator and remove old seals. Assemble with new seal kit issued by VSP free of cost. Fix the actuator in position. TG-5 has 2 ESVs

and TB-4 has 1 ESV installed. Note: Seal kit replacement in one ESV is considered as one unit for billing purpose.

40. ESV OVERHAULING INCLUDING STEAM SECTION:

Take out the hydraulic actuator. Dismantle the actuator and remove old seals. Assemble with new seal kit issued by VSP free of cost. Dismantle the steam section by removing segment rings etc. Inspect the condition of ESV Cone, Spindle, Seal ring and replace, if required. Ensure proper blue contact of cone with seat, seal ring with body and lapping is to be done, if required. Assemble the steam section and ensure pre-lift and main lift of ESV as per drawing. Fix hydraulic actuator in position and check the valve operation. Rectify problems, if any.

Note: TG-5 has 2 ESVs and TB-4 has 1 ESV. Overhauling of one ESV is considered as one unit for billing purpose.

41. TG-5 TURBINE GOVERNING SYSTEM CONTROL VALVE SPINDLE REPLACEMENT:

Delink from the actuator. Remove the arm and springs. Open control valve flange bolts and nuts. Take out control valve unit. Open the spindle Eye. Remove the cone from control valve body. Replace the damaged parts with spares. Remove old gland packing and provide new gland packing. Re-assemble the cone. Box-up all parts. Connect control valve with actuator.

Note: There are total 5 spindles in TG-5 and replacement of one spindle is considered as one unit for billing purpose.

42. BOILER FEED PUMP PREVENTIVE MAINTENANCE:

Take out booster pump duplex suction strainers (both) after opening top cover. Clean the filter elements with air. Replace elements, if required. Elements will be issued by VSP free of cost. Prepare top cover gasket from sheet issued by VSP free of cost and replace, if required. Fix top cover again and tighten bolts. Attend feed water leak, if any.

Note: Preventive maintenance in one Boiler Feed pump is considered as one unit for billing purpose.

43. BOILER FEED PUMP LOP DISCHARGE FILTER CLEANING:

Remove filter elements from position after draining oil from housing. Clean inside of housing thoroughly. Clean filter elements with diesel and cloth and assemble carefully and properly. Position filter assembly and charge oil carefully. Attend leak, if any.

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries

Note: There are 2 filter elements installed in one BFP and cleaning of both filter elements is considered as one unit for billing purpose.

44. BOILER FEED PUMP LOP REPLACEMENT/SERVICING:

Remove motor foundation bolts and take out motor after removing the cables. Take out pump. Service the removed pump. If it is beyond repair, spare pump issued by VSP free of cost is to be put in position and connected. Inspect coupling halves and spider. Replace the damaged parts, if required. Place the motor in position. Tighten foundation bolts.

Note: There are 2 pumps installed and servicing/replacement of one pump is considered as one unit for billing purpose.

45. BFP LUBE OIL COOLERS TUBES CLEANING:

Close water and oil valves. Take out cooler from position. Open cooler end covers. Clean tubes manually with a long rod wire brush. Change tube bundle end cover 'O' ring and gasket, if required. Gasket sheet and 'O' ring cord will be provided by VSP free of cost. Charge water and oil side. Clean the area to the satisfaction of Engineer-in-Charge.

Note: There are 2 coolers installed and cleaning of one cooler is considered as one unit for billing purpose.

46. BFP LUBE OIL COOLERS SHELL AND TUBES CLEANING:

Close water and oil valves. Take out cooler from position. Open cooler end covers and dismantle shell from cooler. Clean tubes manually with a long rod wire brush. Clean shell and tubes bundle. Change tube bundle end cover 'O' ring and gasket, if required. Gasket sheet and 'O' ring cord are to be provided by VSP free of cost. Reassemble oil cooler. Charge water and oil side. Clean the area to the satisfaction of Engineer-in-Charge.

Note: There are 2 coolers installed and cleaning of one cooler is considered as one unit for billing purpose.

47. BFP BALANCING DRUM AND BUSH INSPECTION AND SERVICING:

Ensure electrical and mechanical shutdown of BFP. Remove the coupling guard and decouple pump and gear box. Open cooling water lines and balancing leak off line. Shift 'Cartridge removal' fixture trolley to site and fix to pump body. Pull out the pump cartridge. Shift the pump cartridge to maintenance post. Clean the pump cartridge.

Remove pump coupling. Dismantle the bearing housing. Take out balancing drum. Check clearance of balancing drum. Change/replace damaged parts. Reassemble balancing drum and bearing housing after ensuring necessary bearing clearances. Fix coupling on pump shaft. Shift overhauled cartridge to site. Put the cartridge on the fixture and insert in to pump body. Remove and shift fixture trolley. Reconnect the cooling water lines and balancing leak off lines. Couple the pump and gearbox after clearance from the Engineer-in-Charge.

Note: There are 2 pumps installed and overhauling of one pump is considered as one unit for billing purpose.

48. BOOSTER PUMP OVERHAUL:

Ensure electrical and mechanical shutdown of BFP. De-couple pump from motor. Disconnect oil lines and water lines. Arrange proper support to the suction and discharge pipes and open discharge and suction flanges. Open foundation bolts, take out the pump and shift to maintenance post. Clean the pump foundation area and suction and discharge flanges. Dismantle the bearing housing; open the mechanical seal and stuffing box. Open top casing of the pump. Take out the rotor and clean all parts. Inspect all the parts, replace required parts. Do metal build up on the eroded areas like parting plane and inside pump volute. Reassemble the pump with necessary clearances on casing rings and bearings. Shift and place the pump in position with required coupling gap. Connect suction and discharge flanges with new gaskets after clearance from Engineer-in-Charge. Connect oil lines and water lines. Align motor and couple it. Fix coupling guard.

Note: There are 2 pumps installed and overhauling of one pump is considered as one unit for billing purpose.

49. BFP / BOOSTER PUMP MECHANICAL SEAL SERVICING/ REPLACEMENT:

Ensure electrical and mechanical shutdown of BFP. Decouple gear box/motor in case of DE side. Disconnect seal cooling water lines and bearing oil lines and CW lines. Dismantle the bearing housing and remove. Remove the thrust collar by heating in case of DE side. Take out old seal and replace it with spare. Assemble bearings along with thrust collar. Maintain necessary dimensions and clearances during assembly. Connect seal cooling water lines and bearing oil lines and CW lines. Couple the motor.

Note: Servicing/replacement of one seal is considered as one unit for billing purpose.

50. BFP GEARBOX OVERHAULING:

Ensure electrical of shutdown of BFP and lube oil pumps. Decouple motor and pump, disconnect oil lines. Remove gearbox cover. Check bearings clearances and backlash of gears. Take out both input and output shafts assemblies. Remove couplings from shaft.

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries

Replace the shafts (Input/output), gears and bearings, if required. Re-assemble the gears on shaft and put on gearbox. Box-up the top cover after fixing bearings. Do alignment with motor first and then do alignment with main pump. Lock the main pump. Reconnect oil lines and cooling water lines. Couple gearbox with motor and main pump.

Note: Overhauling of one gear box is considered as one unit for billing purpose.

51. BFP GEARBOX INSPECTION:

Ensure electrical of shutdown of BFP and lube oil pumps. Remove gearbox cover. Check bearings clearances and backlash of gears. Box-up the bearings if clearances and backlash of gears is within norm. Box-up the gear box cover.

Note: Inspection of one gear box is considered as one unit for billing purpose.

52. REPLACEMENT OF BFP CARTRIDGE:

Ensure electrical and mechanical shutdown of BFP. Open cooling water lines and balancing leak off line. Remove suction side ring. Shift 'Cartridge removal' fixture trolley to site and fix to pump body. Pull out the pump cartridge. Shift the pump cartridge to maintenance post. Clean the pump cartridge. Help/assist in overhauling of cartridge. Shift overhauled cartridge to site. Put the cartridge on the fixture and insert in to pump body. Remove and shift fixture trolley. Check and correct bearing load on DE and NDE sides and box-up the bearings. Do alignment with gearbox. Reconnect the cooling water lines and balancing leak off lines. Couple the pump and gear box after clearance from the Engineer-in-Charge.

Note: Replacement of one BFP cartridge is considered as one unit for billing purpose.

53. DRIP CONTROL VALVE REPLACEMENT OF HP HEATERS AT DEAERATOR AND AT HP HEATERS & LP HEATERS:

Collect new drip control valve from TPP stores and shift it to De-aerator. Remove the instrument air lines of old drip valve. Cut both ends of old valve and remove the old valve from position. Prepare the edges for welding. Place new valve in position and weld both ends. Shift old valve to a place shown by Engineer-in-Charge.

Note: Replacement of one control valve is considered as one unit for billing purpose.

54. NRV REPAIR/ REPLACEMENT IN DRIP LINES OF HP HEATERS AT DEAERATOR:

Inspect NRV seat and disc for proper closing and opening. Lapping of disc is to be done to ensure proper sealing in closed condition. Box-up the NRV and its top cover. Replace

NRV, if required. New NRV is to be shifted to site from TPP stores. NRV is a swing check NRV with welded ends.

Note: Replacement/repair of one NRV is considered as one unit for billing purpose.

55. PRDS VALVE PNEUMATIC ACTUATOR SERVICING/REPLACEMENT:

De-couple actuator from valve. Make material handling arrangement for lifting actuator. Dismantle PRDS actuator and inspect internals. Replace diaphragm and other parts, if required. Assemble actuator and fix in position. Replace actuator, if required. New actuator is to be drawn from TPP stores and shifted to site. Couple actuator and valve and adjust valve stroke.

Note: Servicing/replacement of one actuator is considered as one unit for billing purpose.

56. DEPLOYMENT OF UN-SKILLED MAN POWER FOR MISCELLANEOUS MAINTENANCE JOBS:

To carry out miscellaneous jobs (un-planned), contractor must be able to deploy adequate un-skilled man power as per the site requirement on round the clock basis. Payment shall be made as per actual man days of un-skilled man power deployed.

57. DEPLOYMENT OF SEMI-SKILLED MAN POWER FOR MISCELLANEOUS MAINTENANCE JOBS:

To carry out miscellaneous jobs (un-planned), contractor must be able to deploy adequate semi-skilled man power as per the site requirement on round the clock basis. Payment shall be made as per actual man days of semi-skilled man power deployed.

58. DEPLOYMENT OF SKILLED MAN POWER FOR MISCELLANEOUS JOBS:

To carry out miscellaneous jobs (un-planned), contractor must be able to deploy adequate skilled man power as per the site requirement on round the clock basis. Payment shall be made as per actual man days of skilled man power deployed.

59. REMOVAL OF MAN HOLE COVER DIVIDING PLATES, DIAPHRAGM AND FIXING THEM BACK AS PER SCOPE OF WORK SL.NO.4.01.01 TO 4.01.08:

The contractor has to carry out following jobs in consultation with the Engineer-in-charge. Total work area is to be illuminated with flood light before starting the job. Engage manhole cover onto a jack. Remove studs & nuts used for tightening manhole cover. Move the cover away from the heater. Grind out seal weld between diaphragm of dia 450 mm and manhole facing forging carefully so that the same diaphragm can be re-used. Move the diaphragm away from the heater. Unbolt fasteners securing the

SCOPE OF WORK

WORK DESCRIPTION : Mechanical maintenance of TG-5 and TB-4 and their auxiliaries dividing plates to water box and tube sheet. Remove the dividing plates in pieces through the manhole. After attending the tube leakage fix back bottom manhole cover and tighten bolts and nuts.. Tightening torque shall be 1100 Kg-m. Torque wrench will be supplied by VSP. If torque wrench is not available the same has to be tightened with slugging spanner. The heater shall be hydraulically tested to design pressure on tube side. If any leaks are revealed, the repair work will be redone without any extra cost.

60.TUBE PLUGGING AS PER SCOPE OF WORK SL.No. 4.02.01 TO 4.02.10

Pressurize steam space by air/water & mark leaking tubes/joints. Drill and remove tube up to 4 mm on both ends of leaking tube. Expand at least 50 mm length of tube. Thoroughly clean the tube hole with solvent and wipe with a clean cloth. Warm up welding area and insert plugs in position and weld. The contractor shall use "ERNiCu 7" filler (FW 1250 of D&H Secheron or equivalent) or suitable electrode for carrying out welding of plugs. Filler rods/electrodes & plugs shall be supplied by VSP free of cost. The plugs shall be covered with layers of weld metal until they are flushed with the face of the tube sheet. Each layer shall be carefully cleaned and inspected by dye penetrant test before the subsequent layer is deposited. Exceptional care shall be exercised to avoid any burn through the ligaments of adjacent tube joints. After plugging the tubes, the effectiveness of plugging shall be checked by pressurizing the shell with air at 6 Kg/cm. Soap solution shall be applied to the face of the tube sheet for air bubble test. If any leaks are revealed, the welds shall be repaired. After successful plugging, the dividing plates shall be replaced. Parting surfaces of dividing plate & shell to be thoroughly checked for flatness, if required metal build up to be done. If dividing plates are bent new plates to be fabricated and fitted. Fix back the diaphragm by arc welding. Change diaphragm in case diaphragm is damaged. Diaphragm will be supplied by VSP free of cost.

TERMS AND CONDITIONS

WORK DESC: MECHANICAL MAINTENANCE OF TG-5 & TB-4 AND THEIR AUXILIARIES IN TPP.

1. Contractor (agency) must visit the site; understand fully the scope/extent of work, ways and means including handling equipment, tools and tackles, man-power required for doing the job before quoting..
2. The BOQ rate does not include GST. GST shall be paid extra at actual on submission of documents by the agency. The deduction of GST shall be done as per rules prevailing from time to time.
3. The agency has to make temporary platforms/scaffolding where ever required for carrying out the job and the same shall have to be removed after completion of job.
4. The agency has to bring the following equipment to carry out the job:
 - a) Welding Machines.
 - b) LPG & Oxygen cutting sets..
 - c) All tools and tackles including slugging spanners except special purpose tools and tackles.
 - d) All safety appliances.
 - e) Grinding machines, drilling machines and grinding wheels, cutters, drill bits of various sizes, etc.
 - f) All material handling equipment such as chain pulleys, max pullers etc.
5. The following items will be provided by VSP:
 - a) Scaffolding pipes and clamps on returnable basis.
 - b) Special purpose tools and tackles, if required, on returnable basis.
 - c) Air hose for cleaning TB suction and other filters.
 - d) Power supply.
 - e) Spares, valves, fasteners, structurals, lube/hydraulic oil, paint
 - f) LPG, Oxygen gas, gasket, grease, MS electrodes.
6. Electrical supply shall be given to a switch board to be arranged by the agency. Separate individual connections to various equipment is to be drawn by a qualified electrician of the agency. The agency has to use all standard electrical fittings duly earthed.
7. Flood lights/ hand lamps required shall have to be arranged by the agency. Only 24V hand lamps to be used.
8. The contractor has to follow VSP safety rules while executing the job. Safety clearance is to be taken by the agency from VSP Safety Department before starting the job. The workmen engaged by the agency should have height passes issued by Safety Department for the work.
9. No workman will be allowed to work without wearing safety helmet & shoes.
10. The agency has to remove all the scrap in the area, shift to a place shown by the Engineer-in -Charge and the work area is to be cleaned after the completion of the job.
11. Any job which is not included in the scope of work, is minor in nature and is inherent part of the job shall be executed by the agency at no extra cost.

12. During the course of contract if the agency is allowed to erect any temporary shed for storing his materials the same has to be dismantled and the area is to be cleaned completely before submitting his final bill.
13. At any time during the course of contract, work should not get affected due to lack of manpower or tools & tackles.
14. The agency should be in a position to start the work on telephonic information.
15. The agency has to take work authorization/permit to work from Engineer-in-Charge or his representative before starting the job and the same has to be returned immediately after the completion of job. However, for jobs inside closed areas/confirmed spaces, the work permit has to be taken/returned from the concerned engineer on day to day basis.
16. GST clause:

The scope of materials supply and consumable supply in the present proposal are as follows:

- a) Materials to be supplied by VSP: Spares, valves, fasteners, structural, lube/hydraulic oil, paint.
- b) Consumable to be supplied by VSP: LPG, Oxygen gas, gasket, grease, MS electrodes.
- c) Material to be supplied by Contractor: NIL.
- d) Consumable to be supplied by Contractor: NIL.

The deduction of GST shall be done as per rules prevailing from time to time.

17. The contract is valid for 24months.
18. Performance guarantee: Nil. A defect liability period of 3 months from the date of completion of work shall be considered for this contract. If any defective work is observed during the defect liability period, the agency shall rectify the defective work at his own cost immediately after receiving information from the Engineer-in-Charge.
19. The Engineer-in-Charge shall be DGM(M).
20. The agency shall ensure usage of ISI marked regulators, hoses, nozzles, cutting torches, welding holders and cables for the cutting and welding works. This must be adhered to strictly.
21. Welfare Allowance: 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 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).
22. SLA Clause:
After taking into operation/ service, if any leakage or defect is observed for reasons solely attributable to agency, 05% of executed value of the defective work for respective BOQ item will be levied as penalty on the agency apart from free rectification by the agency under point no.18 of Terms and Conditions above.



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES / PRICE SCHEDULE

PR No / Date: 73009375 / 09.11.2023	Report Date : 09.11.2023
Pur . Org.: WORKS CONTRACTS	
MSS: 5050615003 : MECH. MAINT. TG-5 & TB-4 & AUXILIARIES	
MECH. MAINT. TG-5 & TB-4 & AUXILIARIES	

The BOQ Items are taken as per the following Rates.						
		Central Rates	VSP Rates			
Skilled		788.000	1,188.650			
Semi Skilled		671.000	1,027.550			
Unskilled		595.000	922.950			
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
1	510007692	Oil coolers maintenance	24.000	NO	3,948.49	94,763.76
2	510007693	Lube oil filters replacement	36.000	NO	1,699.50	61,182.00
3	510007694	Lube oil centrifuge bowl cleaning and preventive maintenance	36.000	NO	1,762.29	63,442.44
4	510007695	Running of lube oil centrifuge and inspection during its running	624.000	SET	576.50	359,736.00
5	510007696	Lube oil pumps coupling replacement	4.000	NO	2,853.07	11,412.28
6	510007697	Cooling water booster pump coupling replacement	2.000	NO	5,706.14	11,412.28
7	510007698	Lube oil pump overhauling	2.000	NO	11,412.27	22,824.54
8	510007699	Cooling water booster pump overhauling	2.000	NO	14,264.23	28,528.46
9	510007700	Lube oil pump/cooling water booster pump NRV servicing	4.000	NO	2,853.07	11,412.28
10	510007701	Turbine front/rear journal and thrust bearing inspection	2.000	NO	79,882.63	159,765.26
11	510007702	Condensate extraction pump preventive maintenance	168.000	NO	2,853.07	479,315.76
12	510007703	CEP suction strainer cleaning	42.000	NO	2,180.44	91,578.48
13	510007704	CEP top bearing 29420E replacement	6.000	NO	8,559.21	51,355.26
14	510007705	CEP overhauling	2.000	NO	40,389.17	80,778.34
15	510007706	Replacement of CEP with spare pump	2.000	NO	17,830.29	35,660.58
16	510007707	TB-4 blower suction pulse clean filters cleaning	16.000	SET	42,370.06	677,920.96
17	510007708	Pulse cleaning system solenoid servicing/ replacement	4.000	SET	10,574.86	42,299.44
18	510007709	Attending pipe line flange (size up to 80 NB) leakages in cooling water, feed water and steam lines	72.000	NO	1,762.29	126,884.88
19	510007710	Attending pipe line flange (size above 80 NB up to 150 NB) leakages in cooling water, feed water and steam lines	48.000	NO	2,853.07	136,947.36
20	510007711	Attending pipe line flange (size above 150 NB)leakages in cooling water, feed water and steam lines	40.000	NO	3,366.50	134,660.00
21	510007712	Attending pipe line (size up to 80 NB)welding leakage in cooling water, feed water and steam lines	72.000	NO	1,137.86	81,925.92
22	510007713	Attending pipe line (size above 80 NB up to 150 NB)welding leakage in cooling water, feed water and steam lines	48.000	NO	1,683.81	80,822.88
23	510007714	Attending pipe line (size above 150 NB)welding leakage in cooling water, feed water and steam lines	40.000	NO	2,228.64	89,145.60
24	510007715	Attending gland leakages in cooling water, feed water and steam lines in TB-4 and TG-5	120.000	NO	912.52	109,502.40
25	510007716	Attending tube leakages in HP Heaters of TG-5	2.000	NO	31,882.44	63,764.88
26	510007717	Attending tube leakages in LP Heaters of TG-5	8.000	NO	20,201.30	161,610.40
27	510007718	Attending tube leakages in LP Heaters of TB-4	6.000	NO	16,834.79	101,008.74
28	510007719	Attending tube leakages in HP Heaters of TB-4	2.000	NO	26,935.45	53,870.90
29	510007720	Steam Jet Air Ejectors flange gasket replacement	12.000	NO	8,559.21	102,710.52



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BILL OF QUANTITIES / PRICE SCHEDULE

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
30	510007721	Governing oil filter replacement	16.000	NO	1,090.78	17,452.48
31	510007722	Accumulator N 2 charging	20.000	NO	1,186.07	23,721.40
32	510007723	ESV solenoid valves servicing	6.000	NO	1,762.29	10,573.74
33	510007724	TB-4 Governing valve servicing	2.000	NO	51,353.04	102,706.08
34	510007725	Governing valve gland packing replacement	6.000	NO	10,258.71	61,552.26
35	510007726	Blow-off/ Anti-surge valve actuator seals replacement	4.000	NO	18,211.44	72,845.76
36	510007727	Blow-off/ Anti-surge valves actuator replacement	2.000	NO	8,914.58	17,829.16
37	510007728	Blow-off/ Anti-surge valves solenoid seals replacement	2.000	NO	5,706.14	11,412.28
38	510007729	Blow-off/ Anti-surge valves solenoid replacement	4.000	NO	3,943.84	15,775.36
39	510007730	ESV hydraulic actuator seal kit replacement	2.000	NO	13,658.85	27,317.70
40	510007731	ESV overhauling including steam section	2.000	NO	57,059.19	114,118.38
41	510007732	TG-5 turbine governing system control valve spindle replacement	2.000	NO	20,517.43	41,034.86
42	510007733	Boiler feed pump preventive maintenance	24.000	NO	2,853.07	68,473.68
43	510007734	Boiler feed pump LOP discharge filter cleaning	8.000	NO	4,552.58	36,420.64
44	510007735	Boiler feed pump LOP replacement/servicing	4.000	NO	5,706.14	22,824.56
45	510007736	BFP lube oil cooler tubes cleaning	32.000	NO	2,276.86	72,859.52
46	510007737	BFP lube oil coolers shell and tubes cleaning	4.000	NO	10,100.64	40,402.56
47	510007738	BFP balancing drum and bush inspection and servicing	2.000	NO	46,164.81	92,329.62
48	510007739	Booster pump overhaul	2.000	NO	31,547.45	63,094.90
49	510007740	BFP / Booster pump mechanical seal servicing/ replacement	10.000	NO	13,468.28	134,682.80
50	510007741	BFP gearbox overhauling	2.000	NO	32,310.88	64,621.76
51	510007742	BFP gearbox inspection	2.000	NO	11,412.27	22,824.54
52	510007743	Replacement of BFP cartridge	2.000	NO	27,317.73	54,635.46
53	510007744	Drip control valve replacement of HP Heaters at De-aerator and at HP Heaters & LP Heaters	2.000	NO	6,829.42	13,658.84
54	510007745	NRV repair/ replacement in Drip lines of HP Heaters at De-aerator	2.000	NO	6,734.14	13,468.28
55	510007746	PRDS valve pneumatic actuator servicing/ replacement	2.000	NO	11,162.29	22,324.58
56	510007747	Deployment of un-skilled man power for miscellaneous jobs	100.000	MDY	922.95	92,295.00
57	510007748	Deployment of semi-skilled man power for miscellaneous jobs	300.000	MDY	1,027.55	308,265.00
58	510007749	Deployment of skilled Man power for miscellaneous jobs	400.000	MDY	1,188.65	475,460.00
59	510003176	REMOVAL OF MAN HOLE COVER DIVIDING PLATES,DIAPHRAGM AND FIXING THEM BACK AS PER SCOPE OF WORK SL.NO 4.01.01 TO 4.01.08	10.000	EA	41,694.91	416,949.10
60	510003177	TUBE PLUGGING AS PER SCOPE OF WORK SL NO.4.02.01 TO 4.02.10	300.000	EA	1,343.51	403,053.00
Total Value: In words : sixty four lakh sixty one thousand two hundred twenty five rupees ninety paise						6,461,225.90

Signature of the Tendere

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, donnage;
- (17) Drunk & driving;
- (18) Non availability o reverse horn of moving equipment;
- (19) Using hydra for material transportation on roads;
- (20) Marching of hydra without signal man & red flags;
- (21) Using trucks for transportation of persons.

I. PERMITS:

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

J. GENERAL:

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

K. STATUTORY RECORDS:

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

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

Penalty amount: 1st repetition of violation Rs.12,000/-, 2nd repetition of violation onwards Rs.24,000/- - For Works / Non-Works
 Penalty amount: 1st repetition of violation Rs.15,000/-, 2nd repetition of violation onwards Rs.25,000/- - For Projects

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

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

HEIGHT:

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

EXCAVATION:

- (1) No barricading of excavated pits

ELECTRICAL:

- (1) Unauthorized working on electrical equipment

VEHICLE:

- (1) Sleeping under truck

ARC WELDING:

- (1) Welding screen not used

GENERAL:

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

- V. Fatal Accidents / Permanent disability
Penalty amount: 20% of contract value subjected to Min. Rs.1.00 lakh and Max. Rs.5.00 lakhs or banning of business dealing or both. – For Works / Non-Works
Penalty amount: 10% of contract value subjected to Min. Rs.5.00 lakhs and Max. Rs.10.00 lakhs or banning of business dealing or both. – For Projects

Note:

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

AUTHORITY FOR IMPOSING PENALTIES:

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

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

- 30) If it comes to the notice of VSP at any stage right from request for registration/tender document that any of the certificates/documents submitted by applicant for registration or by bidders are found to be false/fake/doctored, the party will be debarred from participation in all VSP tenders for a period of 05 (FIVE) YEARS including termination of Contract, if awarded. EMD / Security Deposit etc., if any, will be forfeited. The Contracting Agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation any where in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D. / Security Deposit, if any, and recovery of risk and cost charges etc. Decision of V.S.P. Management will be final and binding.
- 31) Failure to execute the work after LOI/WORK ORDER is given, will make the party liable for debarring for a period of 2 (TWO) YEARS.
- 32) In case it is found before/after award of work to the person/agency through Limited Tender Enquiry (LTE) that the same person/agency is proprietor/proprietress/partner of two or more separate agencies and quoted for the same work, then punitive action to the extent of debarring up to 02 (Two) years from participating in VSP tenders will be taken.
- 33) In case the Tenderers revoke/withdraw/cancel their tender or they vary any terms of their tender during the validity period of the tender without the written consent of Visakhapatnam Steel Plant (VSP) or in the event of VSP accepting their tender and fail to deposit the required security money, execute the Agreement and fail to start the work within reasonable time (to be determined by the Engineer) after written acceptance of their tender – EMD submitted by them will be forfeited by VSP.
- 34) Contractor shall note that:
- i) Time for mobilization after issue of FAX Letter of Intent/detailed Letter of Intent / Work Order shall be;
 - a. 03 (Three) days for Capital Repairs
 - b. 15 days for Civil Works
 - c. 60 days for painting works of Structural Engineering Department
 - d. 07 (Seven) days for Annual Mechanical, Electrical and works of technological assistance/cleaning.
 - ii) Re-starting the work after disruption shall be within 04 (Four) to 06 (Six) hours after the cause of disruption is removed as decided by the HOD.
 - iii) Notice period for Contract Termination shall be - 03 (Three) hours in the event of breakdowns, 02 (Two) days in Capital Repairs and 10 days in other works.
- Failure to adhere to above stipulations may result in Termination of contract at risk & cost and will make the party liable for debarring for a period o 2 (Two) years.*
- 35) Agencies are required to submit Bank Guarantee for the value as decided by the Engineer as a Security while taking out Equipment/Components/materials of VSP to their workshop situated outside the VSP premises for carrying out repairs.
- 36) In case of revision in RINL / VSP approved wage rate, consequent to the revision in the minimum wages (either in Basic Wage or Living Allowances) as notified by the Regional Labour Commissioner (Central), VISAKHAPATNAM, Escalation amount to the contract shall be payable as per the following formula:

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

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 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:

Desgn:

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 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.

BID SECURITY DECLARATION
(In Lieu of EMD)

TPP / RFX No: 260008791

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.

(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 . " Mechanical maintenance of TG-5 and TB-4 and their auxiliaries . "

TPP / RFX No. **260008791**

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, I/We hereby declare that I/we will submit 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..

Signature of the Tenderer