

FORM 'C'
RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
WORKS CONTRACTS DEPARTMENT
VISAKHAPATNAM-530031
PHONE NO: (MAX)3691, TELEFAX NO:0891-2518763

Name of the work : CAPITAL REPAIR OF ESPs OF TPP BOILERS

TENDER NO: 75333-0

PERIOD OF CONTRACT : **24 (Twenty four) months**
DEFECT LIABILITY PERIOD : **03 (Three) months**
ENGINEER : **AGM (M) / TPP**

ISSUED TO SRI/ M/s. _____

TECHNO-COMMERCIAL BID (Part-1)

Note: Tenderer has to fill the data wherever and whatever required in the tender schedule without fail and sign all the pages

No of pages of BOQ alone : **NIL**
Total No. of pages : **26 (TWENTY SIX) pages only**

(FOR OFFICE USE ONLY)

1. E.M.D. PARTICULARS	:	
2. Sl.No.	:	OUT OF TENDERS
3. COVERING LETTER	:	NO. OF PAGES:
4. REBATE OFFERED	:	
5. RATE WRITTEN IN WORDS	:	
6. VALIDITY OF TENDER	:	4 MONTHS FROM THE DATE OF OPENING
SIGNATURE OF CONTRACT DEPT. REPRESENTATIVE		SIGNATURE OF FINANCE DEPARTMENT REPRESENTATIVE

RINL VIGILANCE TOLL FREE NO. **1800 425 8878**

VISAKHAPATNAM STEEL PLANT
WORKS CONTRACTS DEPT., VISAKHAPATNAM -530031 (A.P.)
TELEFAX: 0891-2518763 TEL NO: 0891-2758705, 2518763
OPEN TENDER NOTICE NO:VSP/WC/TPP/75333-0/OT/2015 Dt: 08.07.2015

1. Sealed tenders on **TWO-BID System (Techno-Commercial bid and Price bid)** along with Earnest Money Deposit (EMD) are invited from experienced contractors for the following work:

<i>Tender No:</i>	<i>Name of the work</i>
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75333-0 CAPITAL REPAIR OF ESPs OF TPP BOILERS

Note : "The Tenderers should have executed successfully capital repairs/erection of ESPs of boilers having capacity not less than 220 T/Hr and pressure not less than 60 Kg/Sq.m" shall only be eligible

Tender Number	Cost of Tender Document (Non-refundable)		Eligibility/ experience requirements		Earnest Money Deposit (₹)
	By hand	By download	Value of single similar work executed (₹ in Lakhs)	Annual Turn over (₹ In Lakhs)	
75333-0	1200/-	1200/-	17.01	10.20	75,000/-

2. Cost of Tender document(s) shall be paid in the form of Demand Draft / Pay Order / Banker's Cheque, obtained from any Nationalized or Scheduled Bank in India, drawn in favour of RIN Ltd., payable at Visakhapatnam and shall be valid for a minimum period of one month from the date of opening of tender i.e., Envelope-1 (Pre-qualification documents). **THE COST OF TENDER DOCUMENT(S) RECEIVED ALONGWITH TENDER DOCUMENT WILL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES UPON RECEIPT OF TENDER.**
3. The value of **single similar work** executed shall be during the **last 07(Seven) years** ending last day of month previous to Tender Notice date i.e: **30-06-2015** and Turnover shall be the average Annual Financial Turnover during the **last 03 (Three) years** ending 31st March of the previous financial year i.e., **31-03-2015**. The tender document shall be accompanied with copies of (a) **Work Order, Bill of Quantities, Work Completion Certificate** indicating the total value of the work done inclusive of all deviations and escalations against the subject work and including all taxes & duties, **but excluding Service Tax**. In case of work executed outside VSP, and where the total amount includes Service Tax, tenderers shall make efforts to get the value of Service Tax indicated separately (b) for Turn Over Audited balance sheets certified by Practicing Chartered Accountant in case the annual Turn-over is more than ₹40.00 Lakhs (or) in case of Turn-Over being less than ₹40.00 lakhs either Turn-over certificate in the prescribed format of VSP duly signed by a practicing Chartered Accountant/Cost Accountant or T.D.S. certificate(s) comprising of the Gross bill values issued by the Deductor(s) for the work done. (c) Copy of registration letter issued by V.S.P incase of registered agencies and incase of non registered agencies, either a copy of Notarized sole Proprietorship or a copy of Partnership deed or a copy of Memorandum of Association & Articles of association along with certificate of registration- whichever is applicable. **VSP reserves the right to reject the offer in case the above documents are not enclosed along with the offer.** The authorized representative of the tenderer shall sign on all the copies of the documents submitted along with the tender document.

NOTE :

- 1) TENDERERS SHALL SUBMIT PF REGISTRATION CERTIFICATE IF AVAILABLE, IF NOT AVAILABLE SUCCESSFUL TENDERER SHALL SUBMIT PF REGISTRATION CERTIFICATE BEFORE COMMENCEMENT OF THE CONTRACT.
- 2) THE SUCCESSFUL TENDERER SHALL PRODUCE REGISTRATION CERTIFICATE UNDER APVAT ACT, WHEREVER APPLICABLE, BEFORE SIGNING THE WORK ORDER / LOA AND SUBMIT A COPY OF THE SAME.

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- 4.0 The tenderers are requested to note that :
- 4.1 The offer shall be made in **02(two) envelopes. First envelope** (to be super scribed as Envelope-1 with name of the work, tender no.) should contain the cost of the tender document in case the tender is downloaded from the web site (Tender can be purchased from the office of DGM(WC) I/c by paying tender cost in the form of DD/PO/BC as cited at para-2 above in which case tender cost need not be enclosed while submitting the tender), Earnest Money Deposit(EMD) separately in the form of DD/PO/BC etc (refer to instruction to tenderer) and pre-qualification documents(Criteria eligibility/experience and other documents etc.) as per para-1 read with para-3 above along with TECHNO-COMMERCIAL BID WITH FILLED IN QUESTIONNAIRE, ALONGWITH DETAILS OF EXPERIENCE AND SUPPORTING DOCUMENTS, duly signed / attested by the authorized representative of the company. **Second envelope** (to be super scribed as Envelope-2 with name of the work, tender no.) should contain price bid in its prescribed format along with the tender document.
- 4.2 The first cover shall be opened initially and only on satisfying the eligibility criteria **INCLUDING TECHNICAL ACCEPTABILITY**, adequacy of cost of tender document (incase of downloaded tender) and EMD etc., placed in it, the second envelope containing the price bid shall be opened. The date and time of opening of the price bid along with names of successful tenderers in pre-qualification & techno-commercial bid will be subsequently displayed in the notice board of Works Contracts only and no individual communication to tenderers will be made.
- 4.3 Scope of work, Bill of Quantities (BOQ), Terms & Conditions given in the tender documents (placed in the website) 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 / issued are found tampered/altered/ incomplete, they are liable for actions like rejection of the tender, cancellation & termination of the contract, debarring etc., as per the rules of the company.
- 4.4 It will be presumed that the tenderers have gone through the General Conditions, Special Conditions & Instructions to tenderer etc., of the contract available in the website which shall be binding on him/ them.
- 4.5 The tenderer shall download the "TENDER SCHEDULE" available on the website in totality and submit the same duly signed on each page. **Any time prior to the deadline for submission of bids, Works Contracts department may, for any reason, modify the tender terms and conditions by way of an amendment, such amendment will be notified on RINL's website at regular intervals.**
- 4.6 **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, by clearly stating the extent of updation done to their original offer and the order of prevalence of revised offer vis-à-vis original offer. The employer reserves the right to open the original offer along with revised offer(s)**
- 5.0. The tender documents and other details can be downloaded from our web site: www.vizagsteel.com and the same are to be submitted to the Dy. General Manager (Works Contracts) I/c, Visakhapatnam Steel Plant duly signed on each page by the tenderer **on or before 03.00 PM on 11-08-2015**
- 6.0. Non-transferable tender document can also be obtained from the office of Dy General Manager (Works Contracts) I/c, VSP on written request on bidder's letter head on payment of tender cost in the form of DD/BC during working hours 10 AM to 4.30 PM **on or before 04.30 PM on 10-08-2015**
- 7.0. Tenders will be received in the office of Dy General Manager (Works Contracts) I/c, **up to 03.00 PM on 11-08-2015 and Envelope-1 will be opened immediately there after.**
- 8.0 If it comes to the notice of VSP at any stage right from request for registration /tender document that any of the certificates /documents submitted by applicant for registration or **by bidders are found to be false /fake/doctored, the party will be debarred from participation in all VSP tenders for a period of 05(FIVE) years including termination of contract, if awarded. E.M.D/Security Deposit etc., if any will be forfeited. The contracting agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation 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**
- 9.0 The date of opening of the pre-qualification cover (envelope-1) shall be the date of tender opening in respect of both the single bid and two-bid (techno-commercial and price-bid).
- 10.0 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 P.F. Regn./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.**
- 11.0 Tender documents will be issued to tenderers based on their request and on payment of tender cost or same can be downloaded from our web site by submitting the cost of tender along with their offer. However, RINL will not be responsible for any delay/loss/any website related problems in downloading the tender documents etc.. RINL reserve the right to (a) Issue or Refuse tender documents without assigning any reason. (b) Split and award the work to more than one agency, (c) reject any or all the tenders or to accept any tender wholly or in part or drop the proposal of receiving tenders at any time without assigning any reason there of and without being liable to refund the cost of tender documents thereupon.

For Dy General Manager (Works Contracts) I/c

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FORM – A

Ref. Tender No. 75333-0**Name of the Work : CAPITAL REPAIR OF ESPs OF TPP BOILERS**

To
Dy General Manager I/c
Works Contracts Department
Visakhapatnam Steel Plant
Visakhapatnam-530 031.

Sirs,

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

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

- Status of the firm (mark)
- Proprietary /Partnership/others (Specify)

* Authority to Sign:

- a) Proprietor
 - b) Managing Partner
 - c) Power of attorney holder
- Name of Partners:
- 1)
 - 2)
 - 3)

Following Details are to be furnished by the tenderer compulsorily (neat&legible) while submitting the tender schedule	
Income Tax PAN No.	
Status/Reason for not having PAN No.	
<div style="text-align: center; margin-bottom: 10px;">OFFICIAL ADDRESS</div> <div> Phone No: Cell No : Fax No.: e-mail address: </div>	

Yours faithfully,

(Signature of Contractor)

Name:.....

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INSTRUCTIONS TO TENDERERS

- 1.a) Tenders shall be submitted in the office of the Dy General Manager (Works Contracts) I/c, Visakhapatnam Steel Plant, Visakhapatnam – 530 031.
- b) Tenders shall be submitted in the prescribed form issued by VSP. The Tender documents issued are not transferable. Tender documents issued/downloaded shall be submitted wholly without detaching any part.
- c) The Tenderer shall agree to VSP's terms and conditions, specifications/scope of work, etc., and quote their **"Total Amount only"** accordingly.
- d) Tender shall be for the entire scope of work mentioned in the tender documents.
- e) Tenderer **"Shall quote only the Total Amount in figures and in words"**. Over writing is not permitted and corrections are to be essentially initialed. Amount quoted in words shall govern in case of variance between figures and words.
- f) The **"Total Amount quoted in figures and words shall be tallied"** before submission of the tender and all mistakes corrected and initialed. Quotation shall preferably be type written or written in neat and legible handwriting. All the pages of tender documents shall be signed by the tenderer.
- g) **Respective tenderers participating in the tenders due for opening on the scheduled day, can witness the opening of tenders/price bid on production of valid identity card/gate pass, or alternately, shall give a duly signed authorization to their designated representatives who are nominated if they wish to witness the tender/price bid opening. However, if any person is found to obstructing the passage/entry to the tender box, or if any unauthorized person is found in the tender opening room, the designated officer of WCD, incharge for tender submission/opening of bids or the HOD of WCD shall inform the CISF constable present on duty to evict the person. Also, to intimate to CISF in writing, to cancel the Gate Pass for a period of 01 (ONE) year.**
- h) If by any reason the tender opening is postponed to any other date, the details will be displayed in the notice board of Works Contract Department. Tenderers shall see the notice board regularly and keep themselves informed in this matter.
- i) 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.
- j) General Conditions of Contract of VSP for Works Contracts are available in the Office of DGM (Works Contracts) I/c and also in VSP's web site for reference. The tenderers shall study and understand all the relevant provisions before quoting.
- k) Tenders shall be kept open for acceptance for a period 4 (Four) MONTHS from the date of opening of tender i.e., Envelope-1.
- l) After opening of tender, the tenderers may be called for negotiations and the details like date, time etc. will be displayed on the notice board of Works Contract Department. The tenderers shall see the notice board regularly and keep themselves informed in this matter and promptly attend negotiations without fail.
- m) Purchase Preference will be given to PSU's where applicable as per DPE guidelines.
- n) The local Small Scale Industries as approved by VSP and registered with Works Contracts Department of Visakhapatnam Steel Plant in the category of Industrial Paint Manufactures for supply and application of industrial Paints to various structurals, equipment pipelines etc., are eligible for purchase preference as per the policy of VSP in force from time to time. The local small-scale industries, those who are technically and commercially acceptable shall be considered for extension of Purchase Preference, if the offer is within 15% above L-1 price and upon their matching with L-1 price.
- o) The date of opening of pre-qualification envelope-1 shall be the date of tender opening in respect of both the SINGLE BID AND TWO- BID(Techno-commercial and Price bid) tenders.
- p) **Corrections / amendments / replacement to / of the deficient documents / financial instruments for Earnest Money Deposit (EMD) & Cost of Tender Document (CTD) shall not be sought in the following cases where**
 - (a) There is evidence of tampering / unauthorized correction
 - (b) The value of financial instrument (s) / document (s) is falling short of the value stipulated in the NIT
 - (c) The validity of BG (s) as on initial tender opening date (TOD) is falling short of minimum validity period stipulated in the tenderer
 - (d) Discrepancy exists in the name of Payee / Beneficiary
 - (e) The bidder fails to submit CTD and / or EMD in case of submission of a single instrument / document towards both CTD and EMD.

2) EARNEST MONEY DEPOSIT (EMD)

- a) In case of Earnest Money Deposit being less than or equal to Rs.5 Lakhs, Earnest Money Deposit shall be in the form of Demand Draft / Pay Order / Banker's Cheque obtained from any Nationalized or scheduled commercial bank in India, drawn in favour of Rashtriya Ispat Nigam Ltd., Visakhapatnam Steel Plant, payable at Visakhapatnam and shall be valid for a minimum period of one month from the Envelope-1 (Pre-qualification documents) opening date. **No other mode of payment will be accepted. However, in case EMD exceeds Rs.5 Lakhs, tenderers have the option to submit the same in the form of Bank Guarantee (In the format as enclosed to the GCC) from any Scheduled Commercial Bank, encashable at Visakhapatnam. Bank Guarantees shall be valid for a minimum period of 04(Four) months from the date of opening of Envelope-1 (Pre-qualification documents). The above shall supercede the instructions regarding "form of EMD" elsewhere in the tender document. The above shall supercede the instructions regarding "Form of EMD" elsewhere in the tender document.**
- b) *Public Sector Enterprises of State / Central Government Undertakings are exempted from submission of Earnest Money Deposit (EMD) provided they submit a letter requesting for exemption from submission of EMD along with their offer.*
- c) *"Micro & Small Enterprises (MSEs) listed with NSIC only are exempted from submission of Cost of Tender Documents (CTD), Earnest Money Deposit (EMD), and Security Deposit (SD), irrespective of whether the service is to be carried out within or outside their premises, subject to submission of the following documents along with their tender: -*
- Proof of enlistment with NSIC and with particulars of relevant trade/item.*
 - Registration details of the particular trade/item for which this tender is relevant, by way of submission of 'Acknowledgement of Entrepreneur Memorandum(EM) Part-II' from the Industries Department, along with their tender. The Micro and Small Enterprises not registered for the particular trade/item for which this tender is relevant, would not be eligible for exemption. SSI Registration Certificate is not valid and no concession or benefits shall be extended if EM Part-II is not submitted, and,*
 - As regards Security Deposit (SD) exemption, the MSEs shall however be required to submit a "Performance Guarantee Bond" in the prescribed proforma, equivalent to the value of Security Deposit. It may be noted that waiver of SD is permitted only up to the monetary limit for which the unit is registered.*
- d) *EMDs of unsuccessful tenderers will be refunded after reasonable time without interest.*

3) MODE OF SUBMISSION OF TENDER

- Tender shall be submitted in two separate sealed covers. In case of single bid tender, the first cover shall contain the D.D. / Pay Order / Banker's Cheque for Earnest Money Deposit / Cost of Tender Document / EMD exemption documents for PSUs & **MSE units registered with NSIC**, other pre-qualification documents etc. and the second cover shall contain the tender.
- In case of two bid system, the first cover shall contain the techno-commercial bid part of tender, along with the other bank instruments / documents indicated in para 3(a) above, and the second cover shall contain only the price bid part of tender.
- The two sealed covers as mentioned above shall be stapled / tied together and submitted. The first cover will be opened first and only if the submitted documents / instruments are found to be as per NIT requirement, will the second cover containing the price bid be opened.
- Tenders not satisfying the requirements as per NIT will not be opened.

SPECIAL CONDITIONS OF CONTRACT (SCC)

- 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.
- 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.
- 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.
- 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.
- The successful tenderer shall produce Registration Certificate under APVAT Act, wherever applicable, before signing the Work Order / Letter of Acceptance and submit a copy of the same.

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6. Immediately on receipt of work order, the successful tenderer shall obtain and submit the following documents to the Engineer with a copy to ZPE/Manager (Pers)/CLC before start of work.
- a(i) **ESI registration certificate** with the contractor's Code no. covering all the workmen under ESI Scheme, which shall be effective from the date of start of contract and cover for the entire period of contract including extended period/defect liability period, if any.
 - a(ii) **Insurance policy for payment of ex-gratia amount of Rs.5,00,000/-** (Rupees Five lakhs only) per head in case of fatal accidents while on duty, to the contract labour engaged by him in addition to the coverage under ESI Scheme / Workmen Compensation Insurance Policy whichever is applicable. As and when a fatal accident takes place while on duty along with the benefits under the ESI Scheme / Workmen Compensation, whichever is applicable, the contractor is required to pay the ex-gratia amount within 30 (Thirty) days from the date of accident to the legal heir of the deceased. **In case of any delay in paying the ex-gratia amount as above, the Employer has the right to pay such amount directly to the legal heir of the deceased and recover the same from the contractor's running / future bills.** This insurance policy is to be taken by the contractor over and above the provisions specified under Clause No. 6.13 (Third Party) and 6.14 (ESI Act) of the General Conditions of Contract.
 - a(iii) **Copy of the policy for third party insurance** as stipulated in Clause 6.13 of the GCC.
 - b) **Labour License obtained from Assistant Labour Commissioner (Central), Visakhapatnam.**
 - c) **PF Registration Certificate issued by PF Authorities**
 - d) **Safety clearance** from Safety Engineering Department of VSP.
7. The contractor shall submit wage records, work commencement/completion certificate etc. and obtain necessary clearance from Contract Labour Cell of VSP for bills clearance.
8. The contractor shall ensure strict compliance with provisions of the Employee's Provident Fund Act, 1952 and the scheme framed there under in so far as they are applicable to their establishment and agencies engaged by them. The contractor is also required to indemnify the employer against any loss or claim or penalties or damages whatsoever resulting out of non-compliance on the part of the contractor with the provisions of aforesaid act and the schemes framed there under. A copy of the provident fund membership certificate/PF CODE number shall be submitted by the contractor.
9. The contractor shall follow the provisions of Indian Factories Act and all rules made there under from time to time as applicable and shall indemnify the employer against all claims of compensations under the provisions of the act in respect of workmen employed by the contractor in carrying out the work against all costs, expenses and penalties that may be incurred by the employer in connection therewith.
10. a) Total amount quoted shall be inclusive of all taxes, levies, duties, royalties, overheads and the like but excluding service tax 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) The benefit offered by the agency (other than Service Tax) will be deducted from each bill on the offered percentage basis. Amount so recovered shall be released, limiting to the percentage of benefit offered on the quoted price, only on receipt of credit by VSP.
- d) The prices are exclusive of Service Tax. RINL-VSP will pay Service Tax as applicable on submission of Invoices in accordance with Rule 4A (1) of Service Tax Rules 1994.
The contractor will be paid Service Tax by RINL-VSP along with monthly service charge bills for further deposit with Central Excise Authorities. The contract will, in turn, submit the documentary evidence in support of payment of Service Tax of each month along with subsequent month RA Bills.
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/ Micro & Small Enterprises (MSEs) listed with NSIC will not be required to submit Security Deposit, but however they shall submit "Performance Guarantee Bond" in lieu of Security Deposit in the prescribed proforma equivalent to the value of Security Deposit covering the period of contract + defect liability period + 6 months (Claim period).
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:**
- 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.
 - 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.
 - 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.
 - All the safety appliances required for safe working as decided by SED/Contract operating department shall be provided by the contractor to his workmen.
 - 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.
 - 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".
 - 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 category wise are as follows:

Category	Safety violations	Fine
I	1. Occasional violation of not wearing crash helmet 2. Driver of two wheeler carrying more than one pillion rider 3. Wrong parking of vehicle	First offence: Rs.100/- Second or subsequent offences: Rs.300/- First offence: Rs.100/- Second or subsequent offences: Rs.300/- First offence: Rs.100/- Second or subsequent offences: Rs.300/-
II	MINOR VIOLATIONS 1. Working at height without height pass. 2. Unauthorized entry at hazardous location. 3. Engaging workers without safety training 4. Proper ladder/steps not provided for working. 5. Failure to provide proper shuttering at excavation works. 6. Power connection taken from board without proper board	

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	<p>plug.</p> <p>7. Fitness certificate of cranes/hydra/heavy vehicles not available.</p> <p>8. Crane rope conditions not OK.</p> <p>9. Not wearing safety helmet / safety shoe at site.</p> <p>10. Safety goggles/Hand gloves not used.</p> <p>11. Gas cutting without goggle.</p> <p>12. Rolling/lifting of cylinder/dragging on the ground (without cage)</p> <p>13. Welding with non standard holder.</p> <p>14. Welding machine earthing not done (double body earthing)</p> <p>15. Gas hose pipe clamping done by wires.</p> <p>16. LPG Cylinder date expire / over.</p> <p>17. Loading/unloading of cylinder – cushion not given.</p> <p>18. Condition of hose pipe not good.</p> <p>19. Working with leaking cylinder.</p> <p>20. Using non power cable instead of welding cable.</p> <p>21. Working without work permit / shut down.</p> <p>22. Not putting red flags / stoppers.</p> <p>23. Dismantling of structure without authorized plan.</p> <p>24. Unauthorized Oxygen/Nitrogen tapping.</p> <p>25. Not having proper gate passes / other area passes.</p> <p>26. Use of damaged slings / tools / ropes.</p> <p>27. Use of hand grinders / mixer machines without guard.</p> <p>28. Not reporting of accident.</p> <p>29. Taking shelter behind electrical panel.</p> <p>30. Driving of heavy vehicles on the main road during restricted hour.</p> <p>31. Truck side panel / broken not OK.</p> <p>32. Dropping / Spillage of material on the road.</p> <p>33. No number plate on vehicle.</p> <p>34. No indicator light / brake light on vehicles.</p> <p>35. Driving dangerously.</p> <p>36. Overloading of the vehicles beyond CC weight.</p> <p>37. Racing and trials of speed, overtaking heavy vehicles.</p> <p>38. Moving vehicles in unauthorized restricted routes.</p> <p>39. Talking with cell phone while driving.</p> <p>40. Truck carrying powdery material without tarpaulin.</p> <p>41. Vehicles without red flags / red lights, side guards & tonnage.</p> <p>42. Stock protruding out of the truck body.</p>	<p>First violation: Rs.2500/-</p> <p>Second time violation: Rs.10,000/-</p> <p>Third time repeated violation: Rs.20,000/-</p>
III.	<p><u>MAJOR VIOLATIONS:</u></p> <p>1. Using bamboo or other non standard material for scaffolding.</p> <p>2. Railing not given at platforms or opening of floor.</p> <p>3. Scaffolding planks not tied properly.</p> <p>4. Throwing / dropping of material from height.</p> <p>5. Proper ladder / approach not given for working at height.</p> <p>6. Walkway / cross over path not provided.</p> <p>7. No barricading of excavated pits.</p> <p>8. No top cover on power distribution board.</p> <p>9. Sleeping under truck.</p> <p>10. Absence of Supervisor at height works, confined space jobs and other hazardous jobs.</p> <p>11. Welding screen / face shield, welder gloves not used.</p> <p>12. Driving vehicles without valid driving license.</p> <p>13. Driving by a drunken person.</p>	<p>Rs.7,500/- for 1st violation, 2nd and subsequent violations Rs.15,000/-</p>
IV.	<p><u>HIGH RISK VIOLATIONS:</u></p> <p>1. Failure to use full body harness with double lanyard.</p>	

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- (1) 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.
- (2) Independent of the above, the contractor shall be debarred or deregistered from taking up further contractual work in VSP in case any repeated fatal accident after 3rd incident for the reasons attributable to contractor.
Note: 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).
- (3) Without prejudice to the right conferred for stoppage of work for violation of safety rules, the contractor shall be liable for penalty at the rates indicated above depending upon the category of violation.
- (4) Operating authority will assess the penalty amount having regard to all the circumstances in particular in nature and gravity of the violation on the advice of Head of the Safety Engineering Department and will issue a show cause notice specifying therein the proposed penalty. Considering the cause shown by the contractor, if any, the operating authority shall pass final orders which shall then be binding on the contractor. The penalty amount shall be recoverable from any bill and / or EMD / Security Deposit of the contractor without any further reference to him.

"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".

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) The Contractor shall engage contract worker(s) who do not have any adverse record with respect to his character in the past. For this purpose, the character and antecedents of the proposed worker(s) whom the Contractor intended to engage, shall be got verified by the Police and report shall be submitted. Till such time the report is submitted, the proposed contract worker(s) will be given only provisional pass and the pass will be cancelled in case any adverse report is reported.

21. **SECURITY REGULATIONS:** The contractor shall abide by and also observe all security regulations promulgated from time to time by the employer.

22. **STORING/STACKING OF MATERIALS:** Storing/Stacking/Placing of materials shall be only at the places designated by the engineer.

23. The contractor, his supervisors and workmen shall observe entry and exit timings strictly.

24. After completion of work activity, the site has to be cleared of all debris, construction material and the like.

25. The successful tenderer shall start the work immediately after obtaining gate passes and safety induction training and clearance from the Employer.

26. **NOTICES:** Any notice to be given to the contractor under terms of the contract shall be considered duly served, if the same has been delivered to, left for or posted by registered post to the contractors principal place of business (or in the event of the contractor being a company, its registered office), at the site or to their last known address.

27. **DEFAULT BY TENDERERS:** The successful tenderer may be debarred at the discretion of the company, from issue of further tender documents, work orders etc., for a specified period to be decided by the employer in case of :

"Undue delay in starting and execution of work awarded, poor performance, backing out from the tender, non accepting work order/LOI during the validity of tender or non observance of safety rules and regulations, misappropriation of company's materials/property, non payment of due wages to labour or such similar defaults".

28. Successful tenderer should be in a position to produce the Original Certificate in support of the attested copies of relevant documents enclosed along with pre-qualification documents or afterwards, after opening of the Price Bids.

29. Failure to produce the original certificates at this stage in support of the attested copies of PF Registration/ITCC/Electrical License/Experience/Qualification any other documents etc., submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in VSP tenders.

30. If it comes to the notice of VSP at any stage right from request for registration/tender document that any of the certificates/documents submitted by applicant for registration or by bidders are found to be false/fake/doctored, the party will be **debarred from participation in all VSP tenders for a period of 05 (FIVE) YEARS including termination of Contract**, if awarded. EMD / Security Deposit etc., if any, will be forfeited. The Contracting Agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation any where in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D. / Security Deposit, if any, and recovery of risk and cost charges etc. Decision of V.S.P. Management will be final and binding.

31. Failure to execute the work after LOI/WORK ORDER is given, will make the party liable for debarring for **a period of 2 (TWO) YEARS.**

32. In case it is found before/after award of work to the person/agency through Limited Tender Enquiry (LTE) that the same person/agency is proprietor/proprietress/partner of two or more separate agencies and quoted for the same work, then punitive action to the extent of debarring up to 02 (Two) years from participating in VSP tenders will be taken.

33. In case the Tenderers revoke/withdraw/cancel their tender or they vary any terms of their tender during the validity period of the tender without the written consent of Visakhapatnam Steel Plant (VSP) or in the event of VSP accepting their tender and fail to deposit the required security money, execute the Agreement and fail to start the work within reasonable time (to be determined by the Engineer) after written acceptance of their tender – EMD submitted by them will be forfeited by VSP.
34. Contractor shall note that:
- Time for mobilization after issue of FAX Letter of Intent/detailed Letter of Intent / Work Order shall be:
 - 03 (Three) days for Capital Repairs
 - 15 days for Civil Works
 - 60 days for painting works of Structural Engineering Department
 - 07 (Seven) days for Annual Mechanical, Electrical and works of technological assistance/cleaning.
 - Re-starting the work after disruption shall be within 04 (Four) to 06 (Six) hours after the cause of disruption is removed as decided by the HOD.
 - Notice period for Contract Termination shall be – 03 (Three) hours in the event of breakdowns, 02 (Two) days in Capital Repairs and 10 days in other works.
- Failure to adhere to above stipulations may result in Termination of contract at risk & cost and will make the party liable for debarring for a period o 2 (Two) years.***
35. Agencies are required to submit Bank Guarantee for the value as decided by the Engineer as a Security while taking out Equipment/Components/materials of VSP to their workshop situated outside the VSP premises for carrying out repairs.
36. In case of revision in RINL / VSP approved wage rate, consequent to the revision in the minimum wages (either in Basic Wage or Living Allowances) as notified by the Regional Labour Commissioner (Central), Hyderabad, Escalation amount to the contract shall be payable as per the following formula:

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

WHERE:

- V= Escalation Payable
- L= Labour Content during billing period.
- W= Gross value of work done on the basis of Contract Rates for the period for which variation is applicable
- X= Revised weighted average of RINL/VSP approved wage rates of Unskilled Worker, Semi-skilled Worker and Skilled Worker based on the minimum wages as notified by the Asst. Labour Commissioner (Central), Hyderabad, for the period under consideration for the contract as per present man-day's of different categories for the billing period.
- Xo = Existing (on the basis which tender estimate prepared) Weighted average of RINL/VSP approved wage rates of Unskilled Worker, Semi-skilled Worker and Skilled Worker based on the minimum wages as notified by the Asst. Labour Commissioner (Central), Hyderabad, for that contract as per present man-day's of different categories for the billing period.

Computation of X and Xo:

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

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

$$L = \frac{(a \cdot \text{USR}_o + b \cdot \text{SSR}_o + c \cdot \text{SKR}_o)}{W}$$

Where

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

- USR= Revised RINL/VSP approved wage rate for USW at the time of billing
- SSR= Revised RINL/VSP approved wage rate for SSW at the time of billing
- SKR= Revised RINL/VSP approved wage rate for SKW at the time of billing
- USR_o= RINL/VSP approved wage rate for USW based on which the Estimate of work was prepared.
- SSR_o= RINL/VSP approved wage rate for SSW based on which the Estimate of work was prepared.
- SKR_o= RINL/VSP approved wage rate for SKW based on which the Estimate of work was prepared.
- (The above escalation shall be independent of the award percentage whether positive or negative)

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37. PAYMENT OF MINIMUM WAGES:

- 37.1** *Wages paid to the workmen by the contractor should not be less than the rates notified by the Regional Labour Commissioner (Central), Hyderabad, from time to time with regard to the minimum wages applicable to the respective categories of workmen plus the ad-hoc amount at the rate of Rs.11.54 ps 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.*

LAPSE	ACTION BY VSP
1. a) Payment of wages at rates less than those notified under the minimum wages.	a) An amount equivalent to the differential amount between wages to be paid under minimum wages notification of the Govt. applicable for the period less actual wages paid shall be recovered from the bills as certified by the Engineer.
b) Non-payment of ad-hoc amount	b) As amount equivalent to actual payable towards ad-hoc amount to the workmen engaged for relevant period shall be recovered from the bills as certified by the Engineer.
2. Non payment of wages	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. Non Payment of PF	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 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 contractor as certified by Engineer.
4. Delayed Payment of PF	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.

- 37.2.1** The contractor shall have to pay welfare allowance (earlier known as SMA,ASMA) towards fuel charges, food, milk, tiffin, coconut water, washing allowance etc. @ ₹ 80.76 ps. per day of actual attendance of each worker deployed in the contract not exceeding ₹ 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.
- 37.2.2** 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
- 37.2.3** 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
- 37.2.4** As regards applicability of payment of welfare allowance, the contractor may refer NIT/terms & conditions of the contract in this regard

38. The contract period can be extended at the discretion of V.S.P. up to 04 (Four) months at the existing Rates, Terms and conditions and the Contractor shall be bound to execute the work accordingly and the offer of the Contractor is deemed to include this aspect.
39. The tenderers shall note that in case of quoting above the Estimated Value of V.S.P. the L-1 party shall furnish logical / satisfactory explanation which V.S.P. may seek if felt necessary for quoting such high rates. If the explanation offered by the L-1 party is not acceptable to V.S.P., the L-1 party may be recommended for disqualification while retendering the work.
40. The contractor should clearly understand and comply with the Factories Act 1948 and relieve the FEMALE WORKERS from their work site within the restricted working hours prescribed therein under section 66(b).
41. The following deductions per workman deployed category-wise shall be made from the bills/amounts due to the contractor as applicable for the work done and such deducted amounts shall be released as mentioned below:

S.No	Component	Recovery amount per labour per every WORKING DAY (in Rs.)			To be released when
		UN-SKILLED	SEMI-SKILLED	SKILLED	
01	Notice pay	₹. 23.68 ps	₹. 26.77 ps	₹.31.49 ps	After the Contractor makes payment to the workmen in the presence of Engineer I/C and CLC representatives , a certificate to this effect is to be enclosed with pre-final bill. (to be paid with pre-final bill)
02	Retrenchment compensation	₹. 11.84 ps	₹. 13.39 ps	₹. 15.75 ps	
03	Leave with wages	₹. 14.57 ps	₹. 16.48 ps	₹. 19.38 ps	
Sub-total		₹. 50.09 ps	₹. 56.64 ps	₹. 66.62 ps	
04	Bonus	₹. 11.55 ps	₹. 11.55 ps	₹. 11.55 ps	After the Contractor makes payment to the workmen in the presence of Engineer I/C 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		₹. 61.64 ps	₹. 68.19 ps	₹. 78.17 ps	
10% towards profit and overheads of Contractor		₹. 06.16 ps	₹. 06.82 ps	₹. 07.82 ps	
Total recovery amount		₹. 67.80 ps	₹. 75.01 ps	₹. 85.99 ps	

Note:

- i) The above recovery rates are effective from **01/10/2014**. In case of any statutory revision in minimum wages payable to contract workmen as notified by the Regional Labour Commissioner (Central), Hyderabad from time to time, the above recovery amounts for workmen category-wise will be revised by RINL/VSP and will be notified accordingly.
- ii) Payment against the above component is to be made to the workmen based on **effective wages of last drawn pay.**

42. PAYMENT MODE FOR BILL AMOUNTS:

42.1 Following are the options available to the Contractors for availing e-payments.

42.1.1 **EFT System:** Under this system Banks offer their customers money Transfer service from account of any bank branch to any other Bank Branch. The EFT system presently covers all the branches of about 77 banks located at 15 centers indicated below, where clearing houses are managed by RBI i.e.,
i) New Delhi ii) Chandigarh iii) Kanpur iv) Jaipur v) Ahmedabad vi) Mumbai vii) Nagpur viii) Hyderabad ix) Bangalore
x) Chennai xi) Trivendrum xii) Kolkata xiii) Bhubaneswar xiv) Guwahati xv) Patna.

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

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

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

- (1) Party 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 :

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- 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 CENVAT AGAINST EXCISE DUTY:**
- The tenderer shall specify the percentage of CENVAT benefit on quoted price for which they shall furnish the duty paying documents.
 - The successful tenderer shall take necessary steps to comply with the rules and provisions of central excise and service tax law facilitating VSP to avail CENVAT credit.
 - The amount of CENVAT benefit declared shall be deducted from the tendered price for the purpose of tender evaluation i.e. the evaluation shall be on the net of CENVAT benefit.
 - The invoice raised by the Contractor should clearly mention VSP as the consignee (Consignee: RINL, VSP, A/c: Name of the contractor). It should be ensured that material has been delivered along with the duplicate for transporter copy of the invoice, based on which CENVAT credit is to be claimed.
 - The duty paying documents shall be submitted as soon as the material is procured by the agency for incorporation in the work. The CENVAT benefit offered by the agency will be deducted from each bill on the offered percentage basis and will be released to the extent CENVAT benefit could be availed by VSP. The contractor shall extend all possible help to facilitate VSP to avail CENVAT benefit. If CENVAT benefit could not be availed by VSP due to reasons attributable to the contractor, such amount will not be released by VSP.
 - In the event the CENVAT benefit realized by VSP (based on documents) is in excess of the CENVAT benefit offered by the agency/contractor, the refund will be restricted to the benefit offered by the agency. The excess amount realized from Excise Authorities will be to the credit of VSP only.
 - 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 CE Act.
44. RINL reserves the right to reject the offers of tenderers whose performance is “poor” in awarded/ongoing works if any”.
45. VSP after opening of tender/bid document may seek in writing, documents/clarifications which are necessary for evaluation of eligibility/prequalification stipulated in the NIT.

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Cond No	Cond Desc
1.01.00	CLEANING OF ESP, CHECKING OF ALIGNMENT OF COLLECTING AND EMMITTING ELECTRODES, SERVICING OF RAPPING MECHANISM, FLUSHING APPARATUS, ETC.
1.01.01	The Contractor has to clean the ESPs by taking water through suitable hoses from the permanent water line tapings provided in ESPs (which are connected to fire hydrants) or from the nearest tapings as shown by Engineer-In-Charge.
1.01.02	Cleaning of ash deposits on internals in both passes of ESP thoroughly (without damaging the electrodes) by scrapping and water jet from top to bottom of electrodes.
1.01.03	Inspection of emitting and collecting electrodes of all the fields in the both passes. Alignment of both collecting and emitting electrodes of all fields in both the passes.
1.01.04	Cleaning, inspection and repair of all the insulator housing, Insulators are to be cleaned first with air and then with suitable cleaning agents. Defective insulator housings to be replaced.
1.01.05	Inspection and, if required, replacement of all gear boxes of both emitting and collecting rapping mechanism. Draining and refilling of oil of the gear boxes.
1.01.06	Inspection of collecting and emitting rapping mechanism of all the fields in both passes, alignment of rapping shafts in all the fields and necessary repair/replacement of defective parts to be done.
1.01.07	Unloading of all the ESP hoppers and servicing of all hopper flaps/gates to be done.
1.01.08	Marking the ash leakage points from ESP hoppers and attending the same by welding/changing of gaskets.
1.01.09	Inspection of ESP entry gas distribution plates and splitter plates in both passes and repair/replacement of distribution/splitter plates if required. All distribution plates/splitter plates to be ensured in correct vertical positions with top and bottom support welding intact.
1.01.10	Cleaning and inspection of flushing apparatus of ESP Economiser. APH Hoppers and their connecting water pipes and valves. Repair of damaged water pipes and replacement of defective valves in HP & LP water line of flushing apparatus. Removal of all the nozzles, cleaning thoroughly and putting them back. Defective nozzles to be repaired/replaced. Leakages to be marked in flushing apparatus water lines after charging LP & HP waters, arresting them by welding and changing the gaskets in flanges. Total number of flushing apparatus are 36 per Boiler. Servicing /overhauling of all Economiser and APH hopper gates. Replacement of defective LP water valves of various sizes for the flushing apparatus.
1.01.11	In all the flushing apparatus of Economiser hopper old water entry point and its surrounding plate to be cut and fresh entry with new plate and pipe to be made. Whichever ESP and air preheater flushing apparatus is having erosion near the water entry point, same type repair, as mentioned above, to be carried out.
1.01.12	All the trenches in the ESP area and the underground pipe line before ESP to be cleaned and made through. Also complete ESP area including platforms, stair cases, cable trays, pipes, light fittings, etc. should be cleaned.
1.01.13	Painting of flushing apparatus and water piping in ESP, Air Pre-Heater hoppers, and Economiser Hoppers to be done, which is a part of the work

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF ESPs OF TPP BOILERS**

	and shall not be measured separately. Paint will be supplied by VSP free of cost.
1.02.00	Repair of damaged collecting electrodes: The extent of damage is ascertained by visual inspection and in consultation of Engineer-in-Charge. If the hook at the top of the electrode has come out of position it is to be put back after proper alignment. Any crack or damage in the plate has to be rectified by welding. New plate piece to be welded, if required. If bolts connecting the plate to the shock bar are missing the new bolts are to be put and tightened.
1.03.00	Replacement of damaged emitting electrodes: Damaged emitting electrode is to be removed from position and taken out of the ESP. New emitting electrodes are to be fixed in position by fixing the hooks at both ends to the frame. New emitting electrodes will be supplied by VSP free of cost.
1.04.00	OVERHAULING OF BOTTOM ASH DISCHARGE SYSTEM/CLINKER GRINDERS.
1.04.01	Dismantling the clinker grinder drive and driven shaft on both left and right side. Inspection / overhauling/ replacement of shaft protection sleeves, bearings, Oil seals, gland-packing.
1.04.02	Inspection of hydrojet ejectors, arresting any leakage in the pipe line. If required pipe lines to be opened and chokes to be cleaned.
1.04.03	Overhauling of bottom ash hopper gates and power cylinders, replacement of rollers for the gates, if necessary.
1.04.04	All valves related to bottom ash hopper are to be overhauled, defective valves to be replaced, gland packing to be replaced, all water leakage in the pipe line system to be attended.
1.04.05	Any water leakage in bottom ash hopper to be attended.
1.04.06	Clinker Grinder drive mechanism to be overhauled (including the gear box and alignment of fluid coupling with gear box and motor to be done).
1.04.07	Any rectification inside/outside the bottom ash hopper water overflow system, refractory cooling system to be done.
1.04.08	Bottom ash hopper supports and structures to be checked, rectified/repared if defects any.
1.04.09	Painting of bottom ash hopper, supports to be done which shall not be measured separately.
1.04.10	Any scaffolding/reinforcement required for refractory works inside the bottom ash hopper to be done as per 1.07.00 and removed after the work is completed. However this will not be measured separately for capital repair works.
1.05.00	REPAIR OF LP/HP PIPING: The repair of piping (of variable sizes) includes taking delivery of materials from departmental stores, transportation, fabrication, erection and painting of pipe work for various services, complete with all fittings, valves, bends, Tees, reducers, flanges, expansion loops, drains, vents stiffeners, fixtures etc. as per the drawings, specification and instructions of Engineer-In-Charge. Includes all tools, tackles, labour, consumables complete and testing also. The work includes dismantling of old pipe work which shall not be measured for payment.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF ESPs OF TPP BOILERS**

1.06.00	<p>STRUCTURAL REPAIR WORKS: The structural repair works if any, in the Ash Handling System of TPP or in Boiler, like providing protection shield cover on guide bearing of Air pre-heater or as directed by Engineer- In-Charge to be carried out. The measurement shall be done on Metric Tonnage basis. Structural work includes painting also, which is a part of the work and shall not be measured separately.</p>
1.07.00	<p>SCAFFOLDING FOR REPAIRS IN BOTTOM ASH HOPPER: During non capital repair times, scaffolding inside the Bottom Ash hopper has to be done with scaffolding pipes and planks supplied by VSP free of cost on returnable basis, as per the instruction of Engineer-in-charge. The scaffolding and planks should be tied properly and the platform should be made in such a way that persons can work safely. Also a proper approach ladder has to be made for climbing. After the completion of repair work inside the hopper, the contractor has to dismantle the scaffolding pipes immediately.</p>
1.08.00	<p>REPAIR WORK OF REFRACTORY COOLING HEADER: The damaged refractory cooling headers have to be removed from Bottom Ash Hopper. New headers have to be fabricated as per the drawing given by Engineer-in-charge. The same has to be placed in position with proper supports. Adequate cooling water connections to be given. Any refractory breaking connected with the work is also a part of the job. After the work is completed, water should be charged and seen that the water flows through the openings in the cooling headers properly. Pipes, plates required shall be supplied by VSP free of cost.</p>
1.09.00	<p>REPAIR OF FLUSHING HEADER: The damaged flushing header of Bottom Ash Hopper has to be taken out and the new flushing header has to be fabricated and put in position. Nozzles, pipes, plates etc. shall be supplied by VSP free of cost. Water to be charged and checked after completion of the work and the same to be shown to the Engineer-in-charge.</p>
2.01.00	<p>OVERHAULING OF ASH SLURRY PUMPS: Dismantling the pump and complete overhauling of the same. This includes the following. Dismantling of the pump. Replacement/inspection of impeller, shaft casing, casing liners etc. Inspection/replacement of the bearings, cleaning of bearing housing, filling up of oil. Inspection/Replacement of couplings. Revisioning of seal water arrangement Replacement of gland packing. Assembling back the pump with new gaskets and packing after ensuring proper clearances. Alignment of pump and motor. Replacement of belts and trial run. If surface hardening treatments like applying special putty or building up with special electrodes etc., if required, will be carried out by VSP, but necessary manpower assistance is to be provided by the contractor. Either a single pump or a series consisting of three pumps shall be given for overhaul as desired by Engineer-in-charge. The components after dismantling shall be inspected by Engineer-in-charge.</p>
2.02.00	<p>REMOVAL OF CHOKAGE AT HYDRO EJECTOR OF BOTTOM ASH HOPPER AND BOTTOM ASH HOPPER DISCHARGE PIPES:</p>

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF ESPs OF TPP BOILERS**

	Dismantling of hydro ejector and removal of chokage at the ejector nozzle or at throat and assembling back the hydro ejector and making the bottom ash discharge line through up to the Ash Slurry Sump and to be shown to Engineer-in-charge. Any gasket or 'O' ring replacement and any discharge pipe removal, cleaning for making it through are also part of the job. Facility for dewatering the bottom ash hopper pit like dewatering pump shall be provided by VSP free of cost.
2.03.00	<p>REPLACEMENT OF SHAFT SLEEVE FOR SLURRY PUMP:</p> <p>Slurry pump suction piping, suction bell along with liner, impeller to be dismantled. The cartridge consisting of shaft along with bearings to be taken out and the sleeve has to be changed. The old sleeve is to be removed from the shaft by suitable means. The new sleeve (supplied by VSP free of cost) is to be mounted onto the shaft after heating it to 120deg. C. Any part dismantled, which may require replacement as desired by the Engineer-in-charge has to be replaced with new spares. After changing of the sleeve, the assembly of the parts to be done. Bearing housing to be thoroughly cleaned and new oil to be put. Gaskets and oil seals (supplied by VSP free of cost) have to be changed.</p>
2.04.00	OVERHAULING OF CLINKER GRINDER:
2.04.01	Dismantling the clinker grinder drive and driven shaft on both left and right side. Inspection/ Overhauling/ replacement of shaft protection sleeves, bearings, oil seals, gland packing.
2.04.02	Clinker Grinder drive mechanism to be overhauled (including the gear box) and alignment of fluid coupling with gear box and motor to be done.
2.05.00	<p>REPLACEMENT OF PIPES, BENDS, ETC. INSIDE SLURRY PUMP HOUSE:</p> <p>The worn-out pipes, bends, adaptors situated inside the Ash Slurry Pump House have to be replaced with new ones (supplied by VSP free of cost) as desired by the Engineer-in-charge. While replacing, new gaskets to be provided. Gaskets shall be cut to proper size from gasket sheets supplied by VSP free of cost). Any chipping of concrete or welding/grinding involved also form part of the job and will not be measured separately.</p>
2.06.00	<p>BOTTOM ASH HOPPER GATE POWER CYLINDER OVERHAULING:</p> <p>The power cylinder of Bottom Ash Hopper gate has to be dismantled and the wear parts, seals have to be changed and assembled back. Any other damaged parts which need replacement as desired by Engineer-in-charge, also forms a part of the work.</p>
2.07.00	<p>REPLACEMENT/CHANGING OF VALVE:</p> <p>Various valves (except butt welded valves) of different sizes in the Ash Handling system to be replaced with new/ reconditioned valves (supplied by VSP free of cost).The work includes:</p>
2.07.01	Dismantling of old valves & erection of new/reconditioned valves including replacement of packing, bolts and nuts wherever required as per the instructions of Engineer-incharge.
2.07.02	New valves to be collected from VSP stores and transported to the erection site.
2.08.00	<p>REPAIR/REVISIONING OF VALVE:</p> <p>Various valves (except butt welded valves) of different sizes in the Ash Handling system to be repaired/ revisioned. The work includes:</p>

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF ESPs OF TPP BOILERS**

2.08.01	Dismantling of the valve by opening the bonnet, taking out the gate etc. as per requirement, replacement of packing/ gaskets, damaged spares and carrying out other related jobs like lapping etc for putting them in proper working condition as per the instructions of Engineer-in-charge.
2.08.02	Necessary spares, fasteners, lubricants, packings, gaskets etc shall be supplied by VSP free of cost.
2.09.00	FABRICATION OF REDUCERS: The party has to fabricate and erect reducers from MS pipes supplied free of cost by VSP.
2.10.00	MINOR REPAIR OF ESP FIELDS:
2.10.01	During shutdown of boiler any one or many fields of ESP may be given for doing minor repairs as given below. The measurement shall be on number of fields repaired.
2.10.02	Inspection of emitting and collecting electrodes of the field. Alignment of both collect and emitting electrodes.
2.10.03	Cleaning, inspection and repair of the insulator housing. Insulators are to be cleaned first with air and then with suitable cleaning agents. Defective insulator housings to be replaced.
2.10.04	Inspection and if required replacement of emitting and collecting rapping mechanism. Draining and refilling of oil of the gear boxes.
2.10.05	Inspection of collecting and emitting rapping mechanism. Alignment of rapping shafts and necessary repair/replacement of defective parts to be done.
2.10.06	Unloading of the ESP hoppers of the field and servicing of hopper flaps/gates to be done.
3.01.00	DEPLOYMENT OF MANPOWER DURING EMERGENCIES: To meet the emergency maintenance / operational activities the contractor must be in a position to deploy semi-skilled/ unskilled man power which may be as high as 12 men per shift on round the clock basis. Payment shall be done as per actual man-days of semi-skilled / unskilled manpower employed.
4.01.00	FABRICATION AND ERECTION OF DEGASSER BLOWER DUCT: There are three numbers of degasser blowers connected with discharge duct of size 600 mm x 600 mm. The common discharge duct is branched in to two lines each connected to degasser tower at a height of 10 m from ground level. Existing duct gets damaged due to corrosion. The total length of duct is 50 m including the common discharge duct. The entire length of duct is to be replaced with a new duct which is to be fabricated by the contractor.
4.02.00	CATION EXCHANGER MIDDLE COLLECTOR PIPE REPLACEMENT: Cation exchanger is a vertical cylindrical vessel with resin. The middle collector pipes in the exchanger are at 3 m elevation. The contractor has to open manhole provided at the backside of the exchanger utilising the existing platform. The strainers connected with middle collector pipes are to be removed. Bottom manhole cover to be opened and bedplate straightness inspection should be done after removal of resin. Damaged bedplate strainers if any are to be replaced. Resin to be refilled in the exchanger. The contractor has to open common header middle collector pipes and keep at a place shown by the Engineer-in-charge. Then each middle collector pipe is to be removed manually through the holes provided in the exchanger.

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF ESPs OF TPP BOILERS**

The contractor has to erect and fix newly rubber lined middle collector pipes, to be issued by VSP free of cost. Then the common header of middle collector pipes have to be re-erected and tightened. There are 10 middle collectors in each Cation exchanger. The contractor has to refix the strainers to the newly erected middle collector pipes and each pipe has to be properly clamped to the support provided with the exchanger. The contractor has to fill few drums of resin, if required, in each exchanger as instructed by the Engineer-in-charge. Then the manhole covers have to be fitted back with new gaskets.

4.03.00 ANION EXCHANGER MIDDLE COLLECTOR PIPE REPLACEMENT:
Anion exchanger is a vertical cylindrical vessel with resin. The middle collector pipe in the exchanger are at 3 m elevation. The contractor has to open manhole provided at the back side of the exchanger utilising the existing platform. The strainers connected with middle collector pipes are to be removed. Bottom manhole cover to be opened and bedplate straightness inspection should be done after removal of resin. Damaged bedplate strainers, if any, are to be replaced. Resin to be refilled in the exchanger. The contractor has to open common header middle collector pipes and keep at a place shown by the Engineer-in-charge. Then each middle collector pipe is to be removed manually through the holes provided in the exchanger. The contractor has to erect and fix newly rubber lined middle collector pipes, to be issued by VSP free of cost. Then the common header of middle collector pipes have to be re-erected and tightened. There are 6 middle collectors in each Anion exchanger. The contractor has to refix the strainers to the newly erected middle collector pipes and each pipe has to be properly clamped to the support provided with the exchanger. The contractor has to fill few drums of resin, if required, in each exchanger as instructed by the Engineer-in-charge. Then the manhole covers have to be fitted back with new gaskets.

4.04.00 REPLACEMENT OF A.C. FILTER STRAINER AND CARBON CHANGING:
There are five numbers of A.C. Filters at CWTP fitted with Carbon, Gravels etc. There are push fit strainers inside filters. The strainers of each filter to be replaced with new strainer to be provided by VSP free of cost. To carry out the above work following jobs have to be done. The contractor has to erect temporary working platforms with scaffolding pipes and clamps, to be issued free of cost by VSP on returnable basis. The agency has to open the top man hole cover and side inspection hole cover. Then the entire filled carbon and gravel has to be taken out manually by buckets and to be dumped at a place as shown by Engineer-in-charge. Then all the old push fit strainers fitted with the strainer plate and gasket to be replaced with new strainers. The required new push fit strainers will be provided by VSP free of cost. The contractor has to refill the required quantity of gravel, carbon, etc. manually by buckets. After filling of gravel, carbon etc. the man hole doors to be closed with new gaskets. After the job is over entire area has to be thoroughly cleaned.

SCOPE OF WORK

5.01.00 REPLACEMENT / REPAIR OF FLUSHING APPARATUS OF ESP:
Remove the bolts, cut the inlet connection and disconnect water pipes. Remove the base after making proper material handling arrangement. Transfer the removed flushing apparatus to the designated scrap yard. Do preparation of cutting portion. Transfer new flushing apparatus from the store to erection site if replacement is required. Fabricate /repair the damaged flushing apparatus. Fix the flushing apparatus in position and do welding. All water connections are to be fixed back. Area is to be cleaned to the satisfaction of Engineer-in-Charge after job is over. Any minor job required in order to complete the main job is also in the scope of contractor. Replacement/repair of one flushing apparatus is considered as one unit for billing purpose.

TERMS AND CONDITIONS

WORK DESC : CAPITAL REPAIR OF ESPs OF TPP BOILERS	
Cond No	Cond Desc
01	TERMS AND CONDITION OF CONTRACT: Contractor 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.
02	The contractor has to make temporary platforms/scaffoldings wherever necessary for carrying out the above job, and the same has to be removed after the completion of job.
03	The contractor has to bring following items for executing the contract. 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. g) Hacksaw frames with blades.
04	Electrical supply shall be given to a switch board to be arranged by the party. Separate individual connections to various equipments to be drawn by a qualified electrician of the party. The contractor has to use all standard electrical fittings duly earthed.
05	Flood lights/hand lamps required shall have to be arranged by the party. Only 24V Hand Lamps to be used.
06	The contractor has to follow VSP safety rules while executing the job. Safety clearance to be taken by the contractor from VSP safety department before starting the job. The workmen engaged by the contractor should have height passes issued by Safety Department for the work.
07	No workman will be allowed to work without wearing safety helmet and shoes.
08	The party 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.
09	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 contractor free of cost.
10	During the course of contract if the contractor 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.
11	At any time during the course of contract, work should not get affected due to lack of Manpower or Tools & Tackles.
12	The party should be in a position to start the work on telephonic information
13	The party has to take Work authorization / permit to work from Engineer-In-charge before starting the job and the same has to be returned immediately after the completion of job. However, for jobs inside closed areas/ confined spaces, the work permit has to be taken/

TERMS AND CONDITIONS

WORK DESC : CAPITAL REPAIR OF ESPs OF TPP BOILERS	
Cond No	Cond Desc
	returned from the concerned Engineer on day-to-day basis.
14	The contract is valid for 24 months.
15	Each Boiler capital repair of TPP has to be completed generally within 25 days from the date of issuing work permit. For other than the capital repair jobs the jobs have to be completed as per the time schedule given by Engineer-in-charge.
16	After work permit is issued for starting the job it is the duty of the contractor to make arrangements to guard all the equipment related to contractors areas of work till the boiler is lighted up. If any brass, copper, cable, etc., items are stolen during the period of capital repair the same has to be replaced by the contractor at no extra cost, before lighting up the boiler.
17	<p>Sales Tax Clause:</p> <p>The scope of materials supply and consumable supply in the present proposal are as follows:</p> <p>a) Materials to be supplied by VSP : spares, valves, paint ,structural steel,SS steel</p> <p>b) Consumables to be supplied by VSP: Lub oil, grease,MS electrodes,hardfacing electrodes,gaskets, fastners, LPG & Oxygen gas.</p> <p>c) Materials to be supplied by Contractor: NIL</p> <p>d) Consumables to be supplied by Contractor : NIL</p> <p>The deduction of Sales Tax shall be shall be done as per rules prevailing from time to time.</p>
18	<p>Performance guarantee : Nil.</p> <p>A defect liability period of three (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 contractor shall rectify the defective work at his own cost immediately after receiving information from the Engineer-in-charge.</p>
19	Engineer-in-charge for the job shall be AGM(M)/TPP.
20	The contractor shall ensure usage of ISI marked regulators,hoses,nozzles, cutting torches, welding holders and cables for the cutting & welding woks. This must be adhered to strictly.

QUESTIONNAIRE

Work Description. : Capital repair of ESPs of TPP Boilers.

Sl. No.	Condition Description	Agency's response
1.	Have you visited the Site and understood the site conditions and nature of job, scope of work, terms and conditions & manpower deployment needs. If the tenderer is not in a position to visit the site confirm that the tenderer has understood working conditions and nature of the job, scope of work, terms and conditions & manpower deployment needs.	Yes/No
2.	Have you successfully executed capital repair of Electrostatic Precipitators (ESP) of Boilers of capacity not less than 220 Tons/hour and pressure not less than 60 Kg/sq.cm. If yes, please give details and proof of successful completion of the same carried out by you during last seven years.	Yes/No
3.	Confirm, whether you have supervisors with experience in executing the jobs mentioned in Scope of Work.	Yes/No
4.	The tenderer is required to possess some tools like welding machines, cutting sets, etc. as per list given in Terms & Condition. Please enclose the details of tools and tackles which are under the tenderer's possession. If the tools and tackles are going to be hired give the details from where the tenderer is going to hire and also enclose copy of the letter indicating that the owner of the facility is willing to give it on hire for one year to the tenderer.	Yes/No
5.	Each Boiler capital repair of TPP has to be completed generally within 25 days from the date of issuing work permit. For other than the capital repair jobs the jobs have to be completed as per the time schedule given by Engineer-in-charge. Please confirm.	Yes/No

Note : 1. All the above clauses are fatal. If party says 'No' to any of the conditions, his offer will be rejected.

FORM 'C'
RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
WORKS CONTRACTS DEPARTMENT
VISAKHAPATNAM-530031
PHONE NO: (MAX)3691, TELEFAX NO:0891-2518763

Name of the work : CAPITAL REPAIR OF ESPs OF TPP BOILERS

TENDER NO: 75333-0

PERIOD OF CONTRACT : **24 (Twenty four) Months**
DEFECT LIABILITY PERIOD : **03 (Three) Months**
ENGINEER : **AGM (M) / TPP**

ISSUED TO SRI/ M/s. _____

PRICE BID (PART-2)

Note: Tenderer has to fill the data wherever and whatever required in the tender schedule without fail and sign all the pages

No of pages of BOQ alone : 04 (FOUR) pages only

Total No. of pages : 05 (FIVE) pages only

(FOR OFFICE USE ONLY)

1. E.M.D. PARTICULARS	:	
2. SI. No.	:	OUT OF TENDERS
3. COVERING LETTER	:	NO. OF PAGES:
4. REBATE OFFERED	:	
5. RATE WRITTEN IN WORDS	:	
6. VALIDITY OF TENDER	:	4 MONTHS FROM THE DATE OF OPENING
SIGNATURE OF CONTRACT DEPT. REPRESENTATIVE		SIGNATURE OF FINANCE DEPARTMENT REPRESENTATIVE



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

PR No / Date: 73000721 / 09.04.2015	Report Date : 31.05.2015
Pur . Org.: WORKS CONTRACTS	
MSS: 5050615009 : CAPITAL REPAIR-ESPS OF TPP BOILERS 15-16	
CAPITAL REPAIR OF ESPS OF TPP BOILERS	

The BOQ Items are taken as per the following Rates.						
	Central Rates	VSP Rates				
Skilled	367.000	599.400				
Semi Skilled	312.000	514.250				
Unskilled	276.000	458.500				
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
1	510003084	CLEANING OF ESP,CHECKING ALIGNMENT OF COLLECTING AND EMMITTING ELECTRODES,SERVICING OF RAPPING MECHANISM,FLUSHING APARATUS ETC.AS PER SOW SL.NO.1.01.01 TO 1.01.13	12.000	LS	76,050.99	912,611.88
2	510003085	REPAIR OF COLLECTING ELECTRODES AS PER SOW SL.NO.1.02.00	740.000	EA	620.20	458,948.00
3	510003046	REPLACEMENT OF EMITTING ELECTRODES AS PER 1.03.00 OF SCOPE OF WORK	16,000.000	EA	41.34	661,440.00
4	510003086	OVERHAULING OF BOTTOMASH DISCHARGE SYSTEM AS PER SOW SL.NO.1.04.01 TO 1.04.10	20.000	EA	27,974.48	559,489.60
5	510003048	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK A) FOR SIZE NB 15,20,& 25	200.000	M	55.90	11,180.00
6	510003049	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK B) FOR SIZES NB-32,40	200.000	M	68.08	13,616.00
7	510003050	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK C) FOR SIZES NB-50,65	200.000	M	102.10	20,420.00
8	510003051	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK D) FOR SIZES NB-80	300.000	M	143.44	43,032.00
9	510003052	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK E) FOR SIZES NB-100	400.000	M	162.90	65,160.00
10	510003053	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK F) FOR SIZES NB-150	100.000	M	245.56	24,556.00
11	510003054	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK G) FOR SIZES NB-200	200.000	M	408.44	81,688.00
12	510003055	REPAIR OF LP/HP PIPING AS PER S.NO 1.05.00 OF SCOPE OF WORK H) FOR SIZES NB-300	80.000	M	571.32	45,705.60
13	510003087	STRUCTURAL REPAIR WORK AS PER SOW SL.NO.1.06.00	14.000	TO	5,294.22	74,119.08
14	510003057	SCAFFOLDING FOR FACILITATIN REFRACTORY/REPAIR WORKS IN BAH AS PER SOW 1.07.00	24.000	EA	3,573.86	85,772.64
15	510003058	REPAIR WORK OF REFRACTORY COOLING HEADER AS PER SOW S.NO 1.08.00	200.000	M	775.56	155,112.00
16	510003059	REPAIR OF FLUSHING HEADER AS PER SOW 1.09.00	20.000	EA	3,471.74	69,434.80
17	510003060	OVERHAULING ASH SLURRY PUMP AS PER SL.NO.2.01.00 OF SCOPE OF WORK.	36.000	EA	12,049.08	433,766.88
18	510003061	REMOVAL OF CHOKAGE AT HYDRO EJECTOR OF BOTTOM ASH HOPPE AND BOTTOM ASH HOPER DISCHARGE PIPE AS PER SOW 2.02.00	120.000	EA	4,594.97	551,396.40



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VISAKHAPATNAM - 530031

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Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
19	510003062	REPLACEMENT OF ASH SLURRY PUMP SLEEVE AS PER SCOPE OF WORK 2.03.00	36.000	EA	2,961.22	106,603.92
20	510003063	OVERHAULING OF CLINKER GRINDER AS PER SCOPE OF WORK 2.04.01 TO 2.04.02	60.000	EA	6,228.75	373,725.00
21	510003064	REPLACEMENT OF PIPES,BENDS ETC INSIDE ASPH AS PER SOW 2.05.00	48.000	EA	918.98	44,111.04
22	510003065	BOTTOM ASH HOPPER GATE POWER CYLINDER AS PER SOW 2.06.00	20.000	EA	1,519.73	30,394.60
23	510003066	REPLACEMENT OF VALVES AS PER SOW 2.07.01TO 2.07.02 A) FOR SIZES NB-25	20.000	EA	82.64	1,652.80
24	510003067	REPLACEMENT OF VALVES AS PER SOW 2.07.01TO 2.07.02 B) FOR SIZES NB-50 & 65	28.000	EA	245.51	6,874.28
25	510003068	REPLACEMENT OF VALVES AS PER SOW 2.07.01TO 2.07.02 C) FOR SIZES NB-80	20.000	EA	328.21	6,564.20
26	510003069	REPLACEMENT OF VALVES AS PER SOW 2.07.01TO 2.07.02 D) FOR SIZES NB-100	8.000	EA	418.16	3,345.28
27	510003070	REPLACEMENT OF VALVES AS PER SOW 2.07.01TO 2.07.02 E) FOR SIZES NB-150	8.000	EA	624.83	4,998.64
28	510003071	REPLACEMENT OF VALVES AS PER SOW 2.07.01TO 2.07.02 F) FOR SIZES NB-200	20.000	EA	826.63	16,532.60
29	510003072	REPLACEMENT OF VALVES AS PER SOW 2.07.01 TO 2.07.02 G) FOR SIZES NB-250	8.000	EA	1,030.80	8,246.40
30	510003073	REPLACEMENT OF VALVES AS PER SOW 2.07.01 TO 2.07.02 H) FOR SIZES NB-300	20.000	EA	1,244.76	24,895.20
31	510003074	REVISIONING OF VALVES AS PER SOW 2.08.01 TO 2.08.02 A) FOR SIZES NB-200	20.000	EA	388.99	7,779.80
32	510003075	REVISIONING OF VALVES AS PER SOW 2.08.01TO 2.08.02 B) FOR SIZES NB-250	8.000	EA	469.22	3,753.76
33	510003076	REVISIONING OF VALVES AS PER SOW 2.08.01TO 2.08.02 C) FOR SIZES NB-300	80.000	EA	571.32	45,705.60
34	510003088	FABRICATION OF REDUCERS FOR SIZES 300 X 200 AS PER SOW SL.NO.2.09.00	60.000	EA	684.30	41,058.00
35	510003089	FABRICATION OF REDUCERS FOR SIZES 200 X 100 AS PER SOW SL.NO.2.09.00	40.000	EA	580.70	23,228.00
36	510003090	MINOR REPAIR OF ESP FIELDS AS PER SOW SL.NO.2.10.01 TO 2.10.06	120.000	EA	2,680.81	321,697.20
37	910000045	DEPLOYMENT OF MANPOWER DURING EMERGENCIES AS PER SOW 3.01.00 A) SEMI SKILLED	800.000	MDY	514.25	411,400.00
38	910000046	DEPLOYMENT OF MANPOWER DURING EMERGENCIES AS PER SOW 3.01.00 B) UN SKILLED	800.000	MDY	458.50	366,800.00
39	510003091	FABRICATION & ERECTION OF DE-GASSER BLOWER DUCT AS PER SOW SL.NO.4.01.00	6.000	TO	7,435.69	44,614.14
40	510003081	REPLACEMENT OF MIDDLE COLLECTOR VALVES OF CATION EXCH.AS PER SOW 4.02.00	8.000	SET	10,459.10	83,672.80
41	510003082	REPLACEMENT OF MIDDLE COLLECTOR VALVES OF ANION EXCH.AS PER SOW 4.03.00	8.000	SET	9,121.40	72,971.20
42	510003083	REPLACEMENT OF AC FILTER STRAINERS AS PER SCOPE OF WORK 4.04.00	8.000	EA	16,016.82	128,134.56



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VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
43	510007836	Replacement / repair of flushing apparatus of ESP	40.000	EA	9,010.00	360,400.00
Total Value: In words : sixty eight lakh six thousand six hundred seven rupees ninety paise						6,806,607.90



FORM 'G'
RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
WORKS CONTRACTS DEPARTMENT
BILL OF QUANTITIES (BOQ)

TENDER NO: 75333-0

Name of the work :

CAPITAL REPAIR OF ESPs OF TPP BOILERS

- The quantities indicated are approximate and may vary to a wide range. Payment shall be made as per the actual work carried out at corresponding accepted rate.
- Wherever old items are replaced for fixing new items, all related connections are to be made good for proper functioning of new items. Dismantled / old items are to be handed over to the stores.

No.	DESCRIPTION	UNIT	QTY.	RATE (₹.)	AMOUNT (₹.)
1.	As per the detailed Bill of Quantities enclosed in 03 (THREE) pages ESTIMATED VALUE (RUPEES SIXTY EIGHT LAKHS SIX THOUSAND SIX HUNDRED SEVEN AND PAISE NINETY ONLY)	AS PER DETAILED BILL OF QUANTITIES ENCLOSED			68,06,607=90

TOTAL AMOUNT QUOTED IN FIGURES: Rs. _____

TOTAL AMOUNT QUOTED IN WORDS: Rs. _____

only.

- Note: 1. Tenderer shall write their quoted offer both in WORDS and FIGURES. The quoted offer in WORDS shall be in CAPITAL / BLOCK letters.
2. If there is discrepancy between the amount mentioned in FIGURES and the amount mentioned in WORDS, the amount as mentioned in WORDS only shall be taken as the quotation of the tenderer.
3. **THE ESTIMATE OF THIS TENDER IS BASED ON THE RINL / VSP APPROVED WAGE RATES, CONSEQUENT TO THE MINIMUM WAGE OF CONTRACT WORKER AS NOTIFIED BY THE REGIONAL LABOUR COMMISSIONER (CENTRAL), HYDERABAD, WHICH IS GIVEN BDLW. IN CASE REVISION IN THE MINIMUM WAGES OF CONTRACT TAKES PLACE, ESCALATION DUE TO THIS SHALL BE PAYABLE TO THE CONTRACT AS PER THE ESCALATION FORMULA INDICATED IN THE SPECIAL CONDITIONS OF CONTRACT :**

	UNSKILLED WORKER	SEMI-SKILLED WORKER	SKILLED WORKER
RINL/VSP APPROVED RATE (IN RUPEES)	458=50	514=25	599=40
MINIMUM WAGES AS NOTIFIED BY THE RLC (CENTRAL), HYDERABAD (IN RUPEES)	276=00	312=00	367=00