

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 BOILER PRESSURE PARTS

TENDER NO: 75410-0

PERIOD OF CONTRACT : **24 (Twenty four) months**
DEFECT LIABILITY PERIOD : **03 (Three) months**
ENGINEER : **DGM (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 : **47 (FORTY SEVEN) 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/75410-0/OT/2015 Dt: 08.09.2015

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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75410-0 CAPITAL REPAIR OF BOILER PRESSURE PARTS

- Note : 1.** The party should have Boiler repair licence, Category-1 issued by the Directorate of Boiler, AP"
- 2.** The party should have successfully executed the capital repair / erection of high pressure Boilers capacity not less than 220T/hr and pressure not less than 60 Kg/sq.cm" shall only be eligible.
- 3.** The tenderer is required to un-conditionally accept the "Integrity Pact" enclosed to the tender document and shall submit the same duly signed along with PQ documents ie., in Cover-1. Offer of the tenderer received without Integrity Pact duly signed shall not be considered. Sri VENUGOPAL NAIR, I.P.S. (RETIRED), shall be the External Independent Monitor (EIM) for this tender with regard to Integrity Pact. Bio-data of Shri VENUGOPAL NAIR is available in our website www.vizagsteel.com.

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)	
75410-0	1800/-	1800/-	64.74	38.84	3,75,000/-

- 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: **31-08-2015** 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 in case of registered agencies and in case 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.

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

- 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 (in case 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 10-10-2015**
- 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 09-10-2015**
- 7.0. Tenders will be received in the office of Dy General Manager (Works Contracts) I/c, **up to 03.00 PM on 10-10-2015 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

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

FORM – A

Ref. Tender No. 75410-0**Name of the Work : CAPITAL REPAIR OF BOILER PRESSURE PARTS**

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:.....

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

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

- a) 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.
- b) 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.
- c) 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.
- d) 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.

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

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	

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

	<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>	

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

- (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)

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

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. b) Non-payment of ad-hoc amount	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) 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. 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.
2. Non payment of wages	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.
3. Non 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.
4. Delayed Payment of PF	

- 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 :

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

- 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.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

Cond No	Cond Desc
1.00.0	CAPITAL REPAIR OF BOILER PRESSURE PARTS & AIR PREHEATER
1.01.0	ERECTION OF SCAFFOLDING, CLEANING OF PRESSURE PARTS AND REPAIR:
1.01.1	Erection of scaffolding on all four sides of the furnace inside the first pass of Boiler, with scaffolding pipes, clamps & wooden planks up to the Platen Super heater as per the instruction of Engineer- In-Charge of the work. Making provision to go near Wall blower openings for inspection. Removal of the same after completion of the job. Cup-lock scaffolding may have to be used instead of scaffolding for boiler cleaning. The Cup-lock scaffolding is to be assembled inside the boiler.
1.01.2	Removal of dry ash from pent house, dog house, boiler roof, economizer hoppers, below economizer flushing apparatus, air preheater hoppers, air preheater guide bearing area, bottom ash hopper inside and in the pit, all railings, channels, above the ducts, cable trays as per the instructions of Engineer-In-Charge. The dry ash to be collected in gunny bags and to be dumped at a places shown by Engineer-In-Charge. Also, complete Boiler including all the floors to be cleaned off dust, cobwebs, debris and oil stains on piping, structures, boiler to boiler inter connecting platforms. Areas in and around PF Fan, ID fan, FD fan and also raw coal feeder floor to be cleaned.
1.01.3	After initial inspection, water cleaning of water wall, platen water wall, all super heaters, economizer tubes and tubular air heater is to be done. Before water cleaning, 2nd pass flue gas path to be blanked by sheet near economizer hoppers, so that no ash or water enters rotary air preheater while cleaning. The cleaning of the pressure parts to be done to the satisfaction of IBR Authority. Suitable attachment to be made by the contractor to fit with the firefighting valve provided in the Boiler for water cleaning of boilers. The nozzle for the cleaning to be arranged by the contractor.
1.01.4	Tube thickness survey of Boiler in 1st and 2nd passes at identified locations as per the instructions of Engineer-in-Charge and recording of the same. D-Meter will be supplied by VSP free of cost but the same has to be returned after completion of the job. The contractor has to survey the thinned out/bulged out tubes and damages in refractory and inform the Engineer-in-Charge.
1.01.5	Protection shields are to be provided on all erosion prone tubes or on any other tube as per the instruction of Engineer-In-Charge. SS sheets/Boiler quality tubes will be given by VSP free of cost. Party has to cut, bend the sheets/tubes in 'U' shape and fix in position and clamp them with the tubes.
1.01.6	'0'metre trenches in the boiler to be completely cleaned.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

1.01.07	Cleaning and inspection of hydraulic seal trough and rectification / repair, if any.
1.01.8	Conducting air leak test of furnace, locating air ingress points, repair of the same by seal welding for proper sealing of the furnace in both passes. All peep hole and manhole doors to be serviced and proper closing should be ensured. Sealing ropes to be provided and any repair of minor nature like fixing handles, proper alignment and tightness are part of the job.
1.01.9	Conducting air tightness test of tubular air preheater and plugging the defective tubes suitably.
1.01.10	The party has to associate completely for conducting hydraulic test of Boilers to the satisfaction of Statutory authority & Engineer-In-Charge.
1.01.11	Platforms/scaffolding/Cup-lock scaffolding to be removed after completion of job and inspection by statutory authorities.
1.02.0	REPLACEMENT OF FURNACE PEEP HOLE DOORS: The damaged peep hole doors of the furnace to be removed and new peep hole doors to be matched and fitted. The new peep hole doors will be given by VSP free of cost. Any gas cutting, welding, grinding etc. required for removal / fitting of the peep hole doors also forms a part of the job.
1.03.0	REPAIR OF PRESSURE PARTS:
1.03.1	Cutting the shell plate and re-welding, if required, in the second pass.
1.03.2	Cutting and welding back fins between two water wall tubes, or male female connections, stoppers in case of super heater, economizer tubes is a part of tube welding for bill of quantities. Cutting the tube, removing the defective piece, edge preparation, welding new tubes with initial TIG root welding, and further arc welding. The contractor has to put back old/new insulation at the place of removal. Supply of special electrodes is in the scope of contractor. However, Argon Gas will be supplied by VSP free of cost.
1.03.3	Re-alignment of coils, if necessary, to be done.
1.03.4	All high pressure welding including fin welding to be carried out by IBR qualified welder.
1.03.5	The scope of work includes removal & replacement of high pressure valves also. Payment shall be made on the basis of equivalent joints. Valves required for the purpose shall be given by VSP free of cost.
1.03.06	This item may be operated during capital repairs period of Boilers or during non-capital repair period also.
1.04.1	REPLACEMENT/CHANGING OF HP SAMPLE/IMPULSE PIPELINES:

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

The damaged sample/impulse lines of diameter up to 25mm to be replaced with new pipelines of the same diameter by cutting, grinding, proper edge preparation and IBR quality welding. New pipelines will be given by VSP free of cost, but they have to be collected from VSP stores by the contractor.

1.05.00 RADIOGRAPHY OF OLD WELD JOINTS:

1.05.01 Some of the old/new welded joints may have to be Radiographically tested, as per the instruction of Engineer-in-charge. The contractor will arrange for such radiographic tests and if required will avail the services of competent testing agency at his own cost.

1.06.0 SERVICING OF FUEL OIL STATION, OIL & AUX. STEAM LINES:

1.06.1 It includes hydraulic test of heaters, cleaning the filters, changing the gaskets wherever required. Servicing of all steam, air and oil valves related to oil firing system of the boiler. All steam traps cleaning or changing. Replacement/ repair of defective steam/ oil/ air valves, repair/ replacement of steam tracing lines wherever leaking is a part of the job. The job includes the tracing station at 8M level (near LHS elliptical door) also. Steam leak test and attending to defects in steam lines up to air heater soot blowing station, SCAPH, steam line at all elevations of boiler, tracing steam lines. All oil line leakages up to the oil burners to be attended.

1.07.1 STRUCTURAL REPAIRS:

Structural repair of boiler/coal bunker/platform stairs or in other areas may have to be carried out as per the instruction of Engineer in-charge from 0 mtr. to top of the boiler. The steel required for such repairs will be issued free of cost by VSP. The contractor has to collect the same from VSP stores.

1.08.00 DRUM INTERNALS:

1.08.1 Opening of drum manhole, removal and cleaning of all drum internals, inspection of drum internals and chemical dosing lines. Rectification/replacement of internals including vortex plates, tightening of clamps and screen joint bolts, assembly of drum internals and boxing up of the drum. Replacement of gauge glass assembly ports is a part of the job.

1.08.2 Servicing of sample coolers, replacement of sample coolers, if required, servicing / replacement of associated valves, repair of sample lines, if necessary.

1.09.0 SERVICING OF HIGH PRESSURE VALVES:

Servicing of high pressure valves of different sizes and at different elevations in the boiler as per the instruction

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

	of the Engineer-in charge. These valves include gate, globe, control valves, safety valves (including ERVs) and NRVs. Some valves are hand operated and some are actuator operated valves (either electric or pneumatic drive). The job involves following:
1.09.1	Removal of actuator from the valve or hand wheel frame.
1.09.2	Dismantling the valve, removal of spindle, disc, seat, gland packings, followers, sealing rings, bearing if any. Servicing of actuator. Drive bush, bearings to be checked and, if required, to be replaced. Actuator Gear Box oil to be changed.
1.09.3	Replacement/repair of defective parts, cleaning of all parts, lapping of disc with surface plate or glass or seat, blue matching of seat and disc assembly.
1.09.4	Assembly of the valve.
1.09.5	Mounting of actuator, wherever applicable, after servicing the actuator.
1.10.0	REPLACEMENT OF FLANGE/GLAND PACKINGS OF VALVES:
1.10.1	Replacement of flange packing of flanged type valve wherever applicable.
1.10.2	Replacement of gland packings of various sizes of valves.
1.11.0	SAFETY VALVES SERVICING AND FLOATING: For all safety valves including ERVs besides the work mentioned in 1.09.00 to 1.09.05 above, the party has to ensure that the valve is floating at the set pressure. The party has to be present at the time of Safety valve floating and has to carry out necessary adjustments to obtain proper float and lift. If any problem is noticed, it has to be attended immediately.
1.12.0	REPAIR OF DAMPERS AND GATES:
1.12.1	Disconnection of drive links.
1.12.2	Checking manual operation of dampers and gates.
1.12.3	Cleaning & necessary repair work of dampers and gates.
1.12.4	Servicing of bushes / bearings, replacement, if required, and greasing of the bushes/bearings.
1.12.5	Setting /repair /replacement of seating arrangement. Perfect closing of dampers/gates to be ensured.
1.12.6	Servicing of actuator & gear boxes if found to be jammed or problematic.
1.12.7	Ensure free operation after connection of actuators.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

1.12.08	Necessary scaffolding for the above job to be made and same is to be removed after completion of job.
1.12.9	Following dampers to be serviced per boiler: a) Guillotine gates at ESP inlet, outlet, ID fan inlet & outlet -8 nos. b) FD fan delivery dampers - 2 nos. c) PA fan delivery gates - 2 nos. d) Hot Air gates for mills - 6 nos. e) Cold Air dampers for mills - 6 nos. f) Cold Air gates for mills - 6 nos. g) Hot Air dampers for mills - 6 nos. h) Secondary air dampers - 64 nos. i) Raw coal bunker outlet gates - 6 nos. j) Raw coal feeder inlet gates - 6 nos. k) Ignitor Fan, Scanner fan, Seal air fan discharge flaps - 3 nos.
1.12.10	The filter of scanner fan & seal air fans have to be cleaned or replaced, if required.
1.13.0	DUCTS AND EXPANSION JOINTS:
1.13.1	Complete cleaning inside all ducts (Hot air, Cold air, Secondary air duct from FD Fan to furnace including Wind Box, flue gas duct from Economizer outlet up to ID Fan outlet). The ash to be removed in packets & shifted to a place as shown by Engineer-I/C.
1.13.2	Inspection of above ducts and related expansion joints. Necessary repair of ducts/expansion joints. Removal of insulation & fixing back after repair is also the part of the job, if required. Scope includes any repair/replacement of stiffening pipes / bracings inside the duct.
1.13.3	Removal of dust from expansion joints and filling of bottom of expansion joints with glass wool. Glass wool will be supplied by VSP free of cost but the party has to collect the same from VSP stores.
1.13.4	Primary air heater expansion joints have to be repaired/ replaced with new expansion joints supplied by VSP.
1.14.0	MINOR REPAIR OF BURNERS: Erection of temporary platforms, supports and scaffoldings as required around coal, oil, COG and BFG burners area outside boiler for doing the following jobs. Same are to be dismantled and removed after work is completed.
1.14.1	All burners of coal, gas and oil to be inspected from inside of the furnaces. Damaged portion of all burner tips to be welded from inside. All 12 igniter boxes & ignitor horns have to be opened,

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

cleaned & gaskets to be replaced. All damaged scanner, ignitor and gun hoses to be replaced.

1.15.0	<p>MAJOR REPAIR OF BURNERS:</p> <p>More damaged coal or gas burners to be taken out, as per the Engineer-in-charge instruction, after removal of associated piping. Damaged portion to be removed and burner to be repaired with SS electrodes. Hard facing if required to be carried out and burner to be put back in position. Hard facing electrodes and SS electrodes will be supplied by VSP. Furnace oil/HSD burner assemblies are to be considered as integral part of coke oven burner, if they are taken out for repair. Removal of Coal pipes, bends, CO gas pipes, BF gas pipe opening near the burner and re-fixing the same after burner job is to be considered as part of the job. Scaffolding as required around burners outside boiler is part of job.</p>
1.16.0	<p>REPAIR OF COAL PIPE BENDS:</p> <p>Removal of coal pipe bends at different places of the boiler (near the burner), including second bend from the furnace side, hard facing inside the bend with hard facing electrodes, replacement of gaskets, victualic couplings for the bends and fixing back in position. Removal of bends to be carried out after Engineer-In-Charge's instructions. Wherever required temporary platforms are to be made for removal of bends and same to be removed after completion of job. In case, new bends are given by VSP the old ones have to be hard faced & to be kept at a place as shown by Engineer in charge.</p>
1.17.0	REPAIR OF OIL GUNS AND IGNITORS:
1.17.1	Removal, inspection, cleaning of oil guns, rectification of defects in assembly & fixing them back.
1.17.2	Removal, inspection, cleaning of ignitors, rectification of defects and fixing back.
1.18.0	PF PIPES CHANGING:
1.18.1	The eroded cast steel PF pipes of required length to be cut as identified and specified by the Engineer-I/C and to be replaced with new pipes (supplied by VSP free of cost) of the same length. Cutting of new pipes to the required length also forms part of job. In case, collar to be welded on the ends for accommodating the coupling, the same has to be done.
1.18.2	The old PF pipes should be properly anchored before cutting so that the pipes do not go out of alignment after cutting. The same to be removed after changing of pipes.
1.18.3	If new pipes are not available, the old pipes to be hard faced and reused. Payment shall be made on the number of

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

	pipes changed depending on the length of the pipe, i.e. up to 2M, 2M to 4M or above 4M. Wherever required, temporary platforms/scaffoldings are to be made for removal/cutting/replacement of pipes and same to be removed after completion of job.
1.19.1	The eroded PF bends to be cut as identified and specified by Engineer-in-charge and to be replaced with new bends (supplied by VSP free of cost). Cutting of new bends to the required length also forms part of job. In case, collars to be welded on the ends for accommodating the coupling, the same has to be done at no extra cost.
1.19.2	The old PF pipes on either sides of the bend should be properly anchored before cutting so that the pipes do not go out of alignment after cutting. The same to be removed after changing of bends.
1.19.3	If new bends are not available, the old bends to be hard faced and reused. Payment shall be made on the number of bends changed depending upon the type of the bend i.e. 90 deg long radius elbow or other than those. Wherever required, temporary platforms/ scaffoldings are to be made for removal/cutting/ replacement of bends and same to be removed after completion of job.
1.20.0	REVISIONING OF CO GAS, BF GAS LINES, DRAINS & DRAIN POTS:
1.20.1	All 11 Nos. of drain pots in CO Gas and BF Gas lines from main isolation/goggle valve to burner areas to be cleaned thoroughly, including pipes and bends. All the valves attached to the drain pots (gas or water) are to be serviced, bonnet gaskets & valve packings to be replaced, if required. Also the purging line valves and pipe lines to be serviced and made through.
1.20.2	Cleaning of inside BF Gas line at drum level and at 5M level completely by opening the man holes. CO gas line after manual isolation valve to be dismantled, pipe line inside to be cleaned. CO Gas line inspection and valve seals inspection to be carried out. After all jobs are over pressure testing to be carried out for detecting gas leakages from joints by soap solutions. Leakages to be rectified.
1.20.3	Drip pots over flow funnel pipes have to be made through. If required, pipe is to be replaced.
1.20.4	All the header drains of BFG & COG gas lines have to be made through.
1.20.05	Fabrication of bends from 250/200 NB MS pipe is required to replace the old/ damaged bends. The job involves shifting, cutting of pipes and fabrication of bends from pipes supplied by VSP. Electrodes will be supplied by VSP free of cost. Supply of gas, cutting set and other tools, tackles shall be arranged by the contractor.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

1.21.0	REVISIONING OF GAS VALVES:
1.21.1	All the gas line valves below 350 NB to be dismantled in position. Thorough cleaning, greasing, packings replacement if required, seat checking and lapping to be done. Free movement of the valve with and without actuator to be ensured. Removal and putting back the actuators in position is a part of revisioning of valve. Defective actuators to be rectified. All actuators have to be serviced and defects to be rectified. All the gas line valves below 350 NB to be dismantled in position. Thorough cleaning, greasing, packings replacement if required, seat checking and lapping to be done. Free movement of the valve with and without actuator to be ensured. Removal and putting back the actuators in position is a part of revisioning of valve. Defective actuators to be rectified. All actuators have to be serviced and defects to be rectified.
1.21.2	All the valves above 350 NB to be made free in position. Actuators to be delinked. Bushes, shafts, gland packings are to be removed and after making the valve free same to be put back. Rubber sealing rings are to be replaced if they are damaged. Actuator to be connected back and smooth operation with connected actuator to be ensured. Actuators to be serviced and defects to be rectified.
1.21.3	BFG Regulating & Control dampers have to be made free in position. If required they have to be taken out and made free. Approach to these dampers is to be made by cutting a piece from main line and after the completion of job the piece is to be welded back. Gland packings of all the dampers have to be replaced with new ones. For purpose of accounting both regulating and control dampers put together will be considered as one number of 600mm gas valve.
1.22.0	REVISIONING/OVERHAULING OF HANDLING EQUIPMENTS: Following telfors/hoists are to be serviced in position and smooth operation to be ensured. Necessary bending/ welding of I-beam to be ensured for smooth operation. Greasing of gears, chains, bearings to be done. Defective parts to be replaced. i) Hoists (FD Fan and PA Fan area) .. 4 nos/Per Boiler ii) Trolley with hoists (ID Fan area) .. 1 no./Per Boiler iii) E S P Hoist .. 1 no./Per Boiler
1.23.0	PAINTING OF SAFETY VALVES: Painting of safety valves including supporting structure with Aluminium paint. Paint shall be supplied by VSP free of cost. The contractor has to make suitable scaffolding and take proper safety measures to do the work, as the work will be carried out at an elevation of about 53 mtrs. on the roof of the boiler.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

1.24.0	REPLACEMENT OF FLOOR GRILLS: Replacement of floor grills and fixing new grills at different levels of boilers as per the instruction of Engineer-In-Charge. The new grills are to be carried from VSP/TPP stores to the place of work by the Contractor and the old grills are to be carried and stored by the Contractor at a place shown by Engineer-In-Charge.
1.25.0	REPLACEMENT OF FEED WATER ISOLATION VALVES: Boiler Feed Water isolation valve (250 NB) shall be replaced with new one, by cutting the existing valve as detailed below:
1.25.1	Transportation and lifting of the valve from stores to Site (16 M Header floor).
1.25.2	Removal of insulation from header pipes & valves.
1.25.3	Marking on the pipe.
1.25.4	Temporary anchoring structures for headers on both sides of the valve.
1.25.5	Cutting and removal of valve, edge preparation of pipe and lowering of damaged valve.
1.25.6	Servicing of the valve and changing of gland packing for new valve.
1.25.7	Grinding and reducing of valves ID to match with existing header pipe.
1.25.8	Erection of valves in position and anchoring properly by welding temporary supports.
1.25.9	Welding the joints (root run with TIG and subsequent runs by arc welding with proper IBR approved electrodes).
1.25.10	Radiography and Stress Relieving of joints.
1.25.11	Lowering the damaged valves and returning to Stores.
1.25.12	Removal of Temporary supports and grinding the spots.
1.25.13	Re-insulation of pipe and valve.
1.26.0	FABRICATION, ERECTION AND OPERATION OF MOVING CAGE / SKY CLIMBER/SCAFFOLDING: During non-capital repair period of boiler, if any major tube leak occurs and the boiler is stopped for attending the leakage moving cage/sky climber/scaffolding have to be done by the contractor for attending the leak. Fabrication, erection and operation of moving cage inside the furnace or assembly and operation of sky-climber for inspection or scaffolding and attending to leakages in the first pass, as desired by Engineer-in-charge. The materials for fabrication of the above shall be given by VSP free of cost on returnable basis. After the work is completed the same should be

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

removed from the furnaces. The erection and dismantling of the working platform inside the Boiler at the bottom of the furnace is also part of the job.

1.27.0	<p>PREPARATORY AND POST WELDING WORKS DURING TUBE LEAKS IN BOILERS:</p> <p>During non-capital repair period of boiler if any major tube leak occurs and the boiler is stopped for attending the leakage lot of preparatory jobs have to be done by the contractor for attending the leak. Required man holes, peep holes have to be opened. Assistance required by operating personnel for gas isolation and for hydraulic test has to be given. After successful completion of hydraulic test to the satisfaction of statutory authority/Engineer-in-charge the boiler has to be boxed up by closing the manhole doors, etc. The work spot has to be thoroughly cleaned after the work is completed.</p>
2.01.0	REPAIR OF AIR PREHEATER HOT END BASKETS:
2.01.1	Removal of top door with insulation. Removal of all 120 nos. of baskets of hot (top) layer. Hot end baskets removed from Rotary Air preheater are to be shifted to a location shown by the Engineer-In-Charge.
2.01.2	<p>Top (hot end) baskets are to be cleaned or replaced by spare/new baskets. They are to be cleaned with air/water jet before fixing. Transportation of spare/ new baskets from VSP/TPP Store to Air Preheater is in the scope of the</p> <p>contractor. In case any intermediate basket is to be removed, cleaned and put back or replaced with new one, as per the instruction of Engineer-in-charge, money will be paid at the same rate as hot end baskets.</p>
2.01.03	Fixing back top door with insulation after replacement of hot end baskets is over. Each basket shall be considered as one number for the purpose of payment.
2.02.0	<p>REPAIR OF AIR PREHEATER INTERMEDIATE BASKETS:</p> <p>Cleaning of the intermediate baskets thoroughly with air /water jet in position (when hot end and cold end baskets are removed). Total number of intermediate baskets of one boiler shall be considered as one number for the purpose of payment.</p>
2.03.0	<p>REPAIR OF AIR PREHEATER COLD END BASKETS:</p> <p>Removal of insulation and door plates for removing cold end baskets. Removal of cold end baskets and cleaning of the same with air/water jet as per the instructions of Engineer-In- Charge. After thorough cleaning the baskets have to be fixed back. Door plate and insulation is to be fixed back.</p>
2.04.0	AIR HEATER BEARINGS AND SEALS REPAIRS:

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

2.04.1	Cleaning, inspection, removal of oil, checking the clearances, necessary adjustments, re-alignment of guide and support bearings, their oil pumps overhauling, cleaning of filters and coolers.
2.04.2	Inspection/servicing of coupling and gearbox and air motor of main drive. Necessary repair/replacement and alignment work to be carried out.
2.04.3	Inspection of Air Preheater rotor level and rectification, if required. Inspection and necessary repair or replacement of axial, radial & by pass seals and T-bars. Taking gap measurements of all axial, radial and by pass seals and necessary gap adjustments are to be carried out. Damaged T-bars and seals are to be replaced. Eroded bolts are to be replaced. General servicing of actuators also forms a part of the job.
2.04.04	Checking the pin rack assembly. Blue matching of pin rack assembly with gear box output gear teeth and necessary adjustment, if required.
2.04.5	Servicing of APH Soot Blower pipe, nozzles, driving mechanism and all connected valves of APH.
2.04.6	Cleaning of APH hoppers and any structural repairs.
2.05.0	DISMANTLING & CLEANING OF AIR HEATER BASKETS:
2.05.1	All the baskets removed from hot end layer and not to be put back are to be shifted to a location shown by the Engineer- In-Charge.
2.05.2	The frame is to be cut at the welding joints without causing any damage to the frame. Before dismantling, the outside dimensions to be noted down.
2.05.3	The elements are to be taken out and cleaned such that the metallic surface is free of all deposits.
2.05.4	A Jig/Fixture is to be fabricated for the re-assembly of the basket.
2.05.5	The elements are to be put back in the basket. Using the fixture, frame to be welded so that the original dimensions of the basket are maintained.
2.05.6	Spray coat each basket with a suitable preservative to be supplied by the department.
2.05.07	All the removed baskets are to be transported to the stores in TPP premises.
2.05.8	Straightening of any bent ribs/bars of the frame of the basket is in the scope of work.
2.06.0	REPLACEMENT OF GUIDE BEARING OR SUPPORT BEARING OF AIR PREHEATER: Whenever either during capital repair or during other than capital repair time, if the guide bearing or support bearing of Air Pre heater needs to be changed as desired by Engineer- In-charge,

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

the same (either guide bearing or support bearing) has to be done. Any fixture/puller to be fabricated for the above work shall be done by the party. However special tools like jacks for supporting the air heater for removal of support bearing shall be supplied free of cost by VSP on returnable basis. The job includes draining of oil and refilling of oil after the completion of work. Any fabrication such as sealing rings, support plates shall form part of the job (materials required shall be supplied by VSP free of cost). The party has to follow the erection sequences as given by the manufacturer/M/s BHEL/VSP.

2.07.1	<p>REPAIR OF JACTUATOR MECHANISM OF APH:</p> <p>The jammed jactuators (4 Nos. per boiler) of air preheater have to be dismantled totally. If required insulation to be removed and air preheater shell plate to be cut and jactuator spindle rod connecting the sector plate has to be removed and cleaned and put back. Plates which were cut for removal are to be welded back and re-insulation to be done. The jactuators should operate freely to the satisfaction of Engineer-in-charge.</p>
3.03.0	<p>REPLACEMENT OF BOILER CHIMNEY SEALS:</p> <p>There are three common flue gas ducts connecting TPP Boilers to chimney flue, consisting of Boiler#1 & 2, Boiler# 3 & 4 and Boiler#5. The final connection of metallic duct to the chimney flue brick work is done by means of a fire retardant fabric expansion joint. During boiler operation there is likely hood of the fabric expansion joint getting torn or cut due to hot flue gases. This results in leakage of flue gas accompanied by ash/dust to the outer shell of the chimney made of RCC. These fabric seals have to be either replaced or rectified as necessary during a boiler shutdown as decided by Engineer-in-charge. The fabric cloth for expansion joint will be supplied by VSP free of cost. The contractor has to enter into the duct, make scaffolding and lighting arrangements and complete the job on round the clock basis with all requisite tools and tackles. Replacement of chimney seal for one flue shall be considered as one number for the purpose of payment.</p>
3.04.0	FIXING OF SS LINER PLATES IN TRANSFER CHUTES OF TPP COAL CONVEYORS:
3.04.1	<p>Some portion of the coal transfer chutes at junction house 12,13 14 are having pre-fabricated rubber lining inside the chutes. These are to be replaced with SS Plates. SS liners have to be made out of 6mm SS Sheet supplied by VSP free of cost. The contractor has to do following jobs as per the instruction of Engineer-in-charge.</p>
3.04.2	Removal of existing rubber liners from the chutes.
3.04.3	Transportation of SS plates from VSP/TPP stores.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

3.04.4	Cutting the SS sheet to the required size by cutting wheels or by shear.
3.04.5	Fixing the SS sheet by welding (full welding).
3.05.0	CHOKAGE REMOVAL/EMPTYING OF TPP AND ISB BUNKERS:
3.05.01	During rainy season, wet coal gets transferred to TPP bunkers causing severe coal flow problems. The wet coal becomes a solid mass and does not get dislodged by normal means like manual poking, hammering etc. In such a situation experienced contractor personnel must go inside the bunker and start cleaning the chokages from inside and finally empty the bunker. The persons deployed for this work should be brave and have prior exposure in such works under heat and humid atmosphere prevailing inside the bunkers. The job has to be carried out on round the clock basis. Likewise, TPP bunkers may have to be emptied in case of fire or during Bowl Mill shutdowns to prevent ignition of coal. Measurement shall be made on proportional basis depending on volume of coal inside the bunker in cases where the bunker is not full. Discretion of the Engineer-in-charge shall be final in this regard.
3.06.0	During rainy season, wet coal transferred to ISB bunkers becomes solid mass and does not get dislodged to the Vibro-Feeders, by normal means like poking, hammering etc. In such a situation experienced contractor personnel must remove the DE system ducting on top of the ISB Bunker and enter the bunker through ladder with adequate safety measure for emptying the bunker. The work has to be done when the bottom conveyors are in running conditions. The persons deployed for this work should be brave and have prior exposure in such works under heat and humid atmosphere prevailing inside the bunkers. The job has to be carried out on round the clock basis. Measurement shall be made on proportional basis depending on the volume of coal in the bunker in cases where the bunker is not full. Discretion of the Engineer-in-charge shall be final in this regard.
3.07.0	To take care of the emergency maintenance activities (unplanned) the contractor must be in a position to deploy adequate Semi-Skilled /Un Skilled manpower which may be as high as 12 men per shift on round the clock basis. Payment shall be made as per actual man days of Semi Skilled / Un Skilled manpower deployed.
4.01.0	HP HEATER TUBE LEAKAGE RECTIFICATION: The contractor has to carry out following jobs in consultation with the Engineer-in-charge.
4.01.1	Total work area is to be illuminated with flood light before starting the job.

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

4.01.2	Engage manhole cover onto a jack.
4.01.3	Remove studs & nuts used for tightening manhole cover.
4.01.4	Move the cover away from the heater.
4.01.5	Grind out seal weld between diaphragm of dia 450 mm and manhole facing forging carefully so that the same diaphragm can be re-used. Move the diaphragm away from the heater.
4.01.6	Unbolt fasteners securing the dividing plates to water box and tube sheet. Remove the dividing plates in pieces through the manhole.
4.01.7	After attending the tube leakage fix back bottom manhole cover and tighten bolts and nuts. Tightening torque shall be 1100 kg-m. Torque wrench will be supplied by VSP. If torque wrench is not available the same has to be tightened with slugging spanner.
4.01.08	The heater shall be hydraulically tested to design pressure on tube side. If any leaks are revealed, the repair work will be redone without any extra cost.
4.02.0	TUBE PLUGGING:
4.02.1	Pressurise steam space by air/water & mark leaking tubes/joints.
4.02.02	Drill and remove tube upto 4 mm on both ends of leaking tube. Expand at least 50 mm length of tube.
4.02.3	Thoroughly clean the tube hole with solvent and wipe with a clean cloth.
4.02.4	Warm up welding area and insert plugs in position and weld.
4.02.5	The contractor shall use "ERNiCu 7" filler (FW 1250 of D&H Secheron or equivalent) or suitable electrode for carrying out welding of plugs. Filler rods/electodes & plugs shall be supplied by VSP free of cost.
4.02.6	The plugs shall be covered with layers of weld metal until they are flushed with the face of the tube sheet. Each layer shall be carefully cleaned and inspected by dye penetrant test before the subsequent layer is deposited.
4.02.7	Exceptional care shall be exercised to avoid any burn through the ligaments of adjacent tube joints.
4.02.8	After plugging the tubes, the effectiveness of plugging shall be checked by pressurizing the shell with air at 6 kg/cm. Soap solution shall be applied to the face of the tube sheet for air bubble test. If any leaks are revealed, the welds shall be repaired.
4.02.9	After successful plugging, the dividing plates shall be replaced. Parting surfaces of dividing plate & shell to be

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

	thoroughly checked for flatness, if required metal build up to be done. If dividing plates are bent new plates to be fabricated and fitted.
4.02.10	Fix back the diaphragm by arc welding. Change diaphragm in case diaphragm is damaged. Diaphragm will be supplied by VSP free of cost.
4.03.1	Replacement of defective HP valves of HP heater, of size 1" by a new valve. Hacksaw cutting, preparation of edge and HP welding are included in the job.
4.03.2	Repair of HP heater drain condensate valve body. Dismantling of the valve, grinding, welding and finishing by final grinding, assembly of the valve to be done. One such repair of the valve will be considered as equivalent to 3 Nos of 1" valve replacement as mentioned in 4.03.01 for purpose of payment.
5.00.0	FIXING ON NON METALIC EXPANSION BELLOWS:
5.05.0	PA FAN DISCHARGE DUCT EXPANSION BELLOW: Each boiler is having a metallic expansion joint of size 9620 X 5090 x 63 mm. This expansion bellow has to be super imposed by a non-metallic expansion bellow. The job includes cutting of insulation, fabrication of fixing frames, filling the gaps with insulating material and finally fixing the non-metallic expansion bellow. Preparation of scaffolding, if required, is within the scope of the party. Structural steel, expansion bellows, insulating material and all fasteners will be supplied by VSP free of cost.
5.06.0	ASSISTANCE FOR RIA STUDY: Preparatory work like cleaning, removal of insulation material, arrangement of scaffolding /platforms, making provisions of taping points for water/ compressed air etc. are to be carried out as per the instruction of Engineer-in-charge. Removal of tube samples identified for testing and replacement of the same are to be carried out. Arrangement for NDT /RT are to be done by the contractor.
6.00.0	FIXING OF METALLIC BELLOWS:
6.01.0	TUBULAR AIR HEATER OUTLET EXPANSION BELLOW: Each boiler is having a metallic expansion joint of size 1712 X 8862 X 247 mm (Saw tooth expansion joint, Style-3) at the outlet of Tubular Air Pre-Heater. This expansion bellow has to be replaced by a new metallic expansion bellow. New metallic bellow is in the form of straight lengths of 5 Mtrs (approx.). The job involves removing damaged metallic bellow by gas cutting, fixing the new metallic expansion bellow starting from one end, cutting and fabricating the corners and welding the entire length of the bellow at the bottom and top ends. Insulating material should be stuffed inside the bellow before welding. Preparation of scaffolding, if required, is within the scope of the party. Expansion bellows, insulating material

SCOPE OF WORK

Work Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

and all fasteners will be supplied by VSP free of cost.

6.02.0	<p>ROTARY AIR HEATER INLET EXPANSION BELLOW:</p> <p>Each boiler is having a metallic expansion joint of size 2912 X 8470 X 247 mm (Saw tooth expansion joint, Style-3) at the inlet of Rotary Air Pre-Heater. This expansion bellow has to be replaced by a new metallic expansion bellow. New metallic bellow is in the form of straight lengths of 5 Mtrs (approx). The job involves removing damaged metallic bellow by gas cutting, fixing the new metallic expansion bellow starting from one end, cutting and fabricating the corners and welding the entire length of the bellow at the bottom and top ends. Insulating material should be stuffed inside the bellow before welding. Preparation of scaffolding, if required, is within the scope of the party. Expansion bellows, insulating material and all fasteners will be supplied by VSP free of cost.</p>
6.03.0	<p>ROTARY AIR HEATER OUTLET EXPANSION BELLOW:</p> <p>Each boiler is having two numbers of metallic expansion joint, each of size 2662 X 4512 X 190 mm (Saw tooth expansion joint, Style-2) at the outlet of Rotary Air Pre-Heater. These expansion bellows have to be replaced by a new metallic expansion bellow. New metallic bellow is in the form of straight lengths of 5 Mtr (approx). The job involves removing damaged metallic bellow by gas cutting, fixing the new metallic expansion bellow starting from one end, cutting and fabricating the corners and welding the entire length of the bellow at the bottom and top ends. Insulating material should be stuffed inside the bellow before welding. Preparation of scaffolding, if required, is within the scope of the party. Expansion bellows, insulating material and all fasteners will be supplied by VSP free of cost. Replacement of one bellow will be considered as one BOQ quantity.</p>
6.04.0	<p>ESP INLET EXPANSION BELLOW:</p> <p>Each boiler is having four numbers of metallic expansion joints of size 654 X 2425 X 133 mm (Saw tooth expansion joint, Style-1) at the inlet of ESP. This expansion bellow has to be replaced by a new metallic expansion bellow. New metallic bellow is in the form of straight lengths of 5 Mtrs (approx). The job involves removing damaged metallic bellow by gas cutting, fixing the new metallic expansion bellow starting from one end, cutting and fabricating the corners and welding the entire length of the bellow at the bottom and top ends. Insulating material should be stuffed inside the bellow before welding. Preparation of scaffolding, if required, is within the scope of the party. Expansion bellows, insulating material and all fasteners will be supplied by VSP free of cost. Replacement of one bellow will be considered as one BOQ quantity.</p>
7.00.00	<p>OVERHAULING OF SEAL AIR AND SCANNER AIR FANS:</p>

SCOPE OF WORKWork Desc : **CAPITAL REPAIR OF BOILER PRESSURE PARTS**

7.01.0	<p>OVERHAULING OF SEAL AIR FAN:</p> <p>Distance piece on the suction duct has to be removed first. Fan impeller is to be removed with puller. Motor foundation bolts to be removed and motor taken out from the base. New/ serviced motor to be placed in position and foundation bolts fixed. New or the old removed impeller, as per the instructions of Engineer-in-Charge is to be fixed on the motor shaft and lock nut tightened. Foundation bolts to be loosened and motor with impeller to be aligned properly to ensure that the impeller is not touching the casing at any place. Motor foundation bolts to be tightened properly. Distance piece to be fixed back in position after cleaning both side flanges and putting new gasket ropes. If any leakage is observed during trial run then that leakages are to be attended.</p>
7.02.0	<p>OVERHAULING OF SCANNER AIR FANS:</p> <p>Distance piece on the suction duct has to be removed first. Fan impeller is to be removed with puller. Motor foundation bolts to be removed and motor taken out from the base. New/ serviced motor to be placed in position and foundation bolts fixed. New or the old removed impeller, as per the instructions of Engineer-in-Charge is to be fixed on the motor shaft and lock nut tightened. Foundation bolts to be loosened and motor with impeller to be aligned properly to ensure that the impeller is not touching the casing at any place. Motor foundation bolts to be tightened properly. Distance piece to be fixed back in position after cleaning both side flanges and putting new gasket ropes. If any leakage is observed during trial run then that leakages are to be attended.</p>
8.01.0	<p>ASSISTANCE FOR RLA STUDY OF MAIN STEAM HEADER:</p> <p>Preparatory work like cleaning, removal of insulation material, arrangement of scaffolding /platforms, making provisions of taping points for water/compressed air, surface preparation for Replica sample, etc. are to be carried out as per the instruction of Engineer-in-charge. Arrangement for NDT /UT is to be done by the contractor. The RLA study will be carried out in six (6) visits by BHEL engineers. Assistance provided during each visit will be considered as one (1) BOQ quantity for billing purpose.</p>
9.01.00	<p>Pressure test of BFG line:</p> <p>Two 150 NB temporary pipe lines are to be connected to BFG header from PA Fan discharge header. Start one PA Fan and slowly pressurize the BFG piping network. All the manhole doors have to be checked for air leak with soap solution. All other sensitive and leakage prone areas are to be checked for air leak with soap solution. Any leakage observed during test is to be arrested either by tightening/replacing manhole door gasket or by welding the pipe line as the case may be. After test the temporary pipe lines to be removed and plates to be welded to blank the hole. DP test is to be carried out for identifying any welding defect. Chemical for DP test will be supplied by VSP.</p>

9.02.00 Replacement of BF Gas pipe line corner bellow:

New bellow is to be lifted up to 13 Mtr elevation. Damaged bellow is to be cut at both ends by gas cutting and removed from position. New bellow is to be positioned at place keeping the bellow in locked condition. Welding is to be done at both ends of the bellow. Locking is to be cut and removed. DP test is to be carried out at the both end joints for identifying any welding defect. Chemical for DP test will be supplied by VSP. Old removed bellow is to be brought down to ground level and shifted to scrap yard as per instruction of Engineer-in-Charge.

9.03.00 Replacement of CO Gas pipe line corner bellow:

New bellow is to be lifted up to the required elevation. Damaged bellow is to be removed from position. New bellow is to be positioned at place. Both flanges are to be tightened by placing new gaskets. Old removed bellow is to be brought down to ground level and shifted to scrap yard as per instruction of Engineer-in-Charge.

9.04.00 Erection of scaffolding in Boiler and its auxiliary equipment:

Scaffolding erection is to be done on any one or all four sides of the furnace inside the first pass of Boiler, outside boiler in areas like ring header, flue gas duct, noise hoods of PA & FD Fans, etc. with scaffolding pipes, clamps & wooden planks. Provision is to be made to go near the place of work. Scaffolding pipes, clamps and wooden planks will be supplied by VSP free of cost. Shifting these material from their place of storage/ VSP store to the boiler is in the scope of the contractor. Scaffolding is to be erected up to a height required for approaching the place of work as per the instructions of Engineer-in-Charge. Cleaning of identified places as directed by the Engineer-in-charge is to be done with water/air. Scaffolding to be removed after completion of job. Removed scaffolding pipes, clamps and wooden planks are to be shifted back to the place from where they were taken or to any other place as directed by the Engineer-in-charge. Erection and removal of scaffolding has to be done round the clock. Payment will be made as per the area of scaffolding erected (width X height) in Square Metres.

9.05.00 Deployment of skilled manpower for miscellaneous maintenance jobs:

The agency has to deploy one skilled worker each in A & B shifts. These manpower are to be deployed in Sundays and other holidays also. Payment shall be as per VSP labour rules. These workers will be deployed for various preventive and scheduled maintenance jobs in Boiler-6. These workers may be deployed in other emergency maintenance jobs as per the instructions of Engineer-in-Charge. Payment shall be made as per actual man days of skilled manpower deployed.

9.06.00 Deployment of un-skilled manpower for miscellaneous maintenance jobs:

The agency has to deploy two un-skilled workers each in A & B shifts. These manpower are to be deployed in Sundays and other holidays also. Payment shall be as per VSP labour rules. These workers will be deployed for various preventive and scheduled maintenance jobs in Boiler-6. These workers may be deployed in other emergency maintenance jobs as per the instructions of Engineer-in-Charge. Payment shall be made as per actual man days of un-skilled manpower deployed.

TERMS AND CONDITIONS

WORK DESC : CAPITAL REPAIR OF BOILER PRESSURE PARTS	
Cond No	Cond Desc
1	<p>TERMS AND CONDITIONS:</p> <p>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.</p>
2	<p>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. The contractor has to bring following items for executing the contract.</p> <p>a) Welding machines</p> <p>b) LPG & Oxygen cutting sets.</p> <p>c) All tools and tackles including slugging spanners except special purpose tools and tackles.</p> <p>d) All safety appliances.</p> <p>e) Grinding machines, drilling machines and grinding wheels, cutters, drill bits.</p> <p>f) All material handling equipment such as chain pulleys, max pullers, shovels, gammelas, crow bars, etc.</p> <p>g) Hacksaw frames with blades.</p>
3	<p>The following facilities shall be provided by VSP:</p> <p>a) Scaffolding pipes and clamps on returnable basis.</p> <p>b) Special purpose tools & tackles, if required, on returnable basis.</p> <p>The party has to collect all these materials from TPP/VSP stores, transport to the site and return them back to stores after work.</p>
4	<p>Electrical supply shall be given to a switch board to be arranged by the party. Separate individual connections to various equipments are to be drawn by a qualified electrician of the party. The contractor has to use all standard electrical fittings duly earthed.</p>
5	<p>Flood lights/hand lamps required shall have to be arranged by the party. Only 24V Hand Lamps to be used.</p>
6	<p>The contractor has to follow VSP safety rules while executing the job. Safety clearance is 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.</p>
7	<p>No workman will be allowed to work without wearing safety helmet and shoes.</p>
8	<p>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.</p>
09	<p>Any job which is not included in the scope of work, is minor in nature</p>

TERMS AND CONDITIONS

WORK DESC : CAPITAL REPAIR OF BOILER PRESSURE PARTS	
Cond No	Cond Desc
	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/ returned from the concerned Engineer on day-to-day basis.
14	All the capital repair of Boilers & HP heater tube repairs have to be carried out on round the clock basis.
15	Each Boiler capital repair of TPP has to be completed within 25 days from the date of issuing work permit or as per the time schedule given before the start of each capital repair. Other than capital repair jobs have to be completed as per the time schedule given by Engineer-in-charge. Contractor has to complete the job in all respects so that the statutory authority clears the boiler after dry inspection and hydraulic test without any problem.
16	After work permit is issued for starting the job it is the duty of the contractor to make arrangements to guard all the equipments related to contractor's area 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 free of cost before lighting up the boiler.
17	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.
18	The contractor should have a valid Boiler repair license of Category -I issued by Directorate of Boilers, AP Government for carrying out Boiler repairs, throughout the contract period.
19	The Contractor will station a technically competent person as Site Manager/ Engineer who will be responsible for timely and satisfactory

TERMS AND CONDITIONS

WORK DESC : CAPITAL REPAIR OF BOILER PRESSURE PARTS	
Cond No	Cond Desc
	completion of the work.
20	<p>Sales tax clause: The scope of material and consumable supply in the present proposal are as follows:</p> <p>a) Material to be supplied by VSP :Spares, valves, boiler tubes, structural steel, SS plate, paint, air heater baskets.</p> <p>b) Consumable to be supplied by VSP :LPG, Oxygen and Argon gas, MS/SS/Hard facing electrodes, oil, grease, gaskets.</p> <p>c) Material to be supplied by Contractor: nil</p> <p>d) Consumable to be supplied by Contractor: Special electrodes, filler rods for HP welding, cleaning agents such as rustolene, marking cloths, cotton waste.</p> <p>The deduction of Sales Tax shall be shall be done as per rules prevailing from time to time.</p>
21	Engineer-in-charge for the job shall be DGM (Mech).
22	The contract is valid for 24 months from the date of start mentioned in the work order.
23	The contractor shall ensure usage of ISI marked regulators, hoses, nozzles, cutting torches, welding holders and cables for the cutting and welding works. This must be adhered to strictly.

ADDITIONAL SPECIAL CONDITIONS

Work Desc CAPITAL REPAIR OF BOILER PRESSURE PARTS	
Cond No	Cond Desc
1	As it is a highly skilled nature of work and involves statutory Authorities, sub- contracting is not allowed.
2	If the contractor intends to work through GPA the issue of such GPA (General Power Of Attorney) will be limited to the contractor himself/ his partner/ Directors of the company/ his employee only.

QUESTIONNAIRE

Work Description. : Capital repair of Boiler Pressure Parts.

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 under stood working conditions and nature of the job, scope of work, terms and conditions & manpower deployment needs.	Yes/No
2.	Whether you have experience in executing capital repair or erection & commissioning of coal fired boilers.If so please give details of work orders and proof of satisfactory work completion certificates of the same.	Yes/No
3.	If the qualifying work order submitted by the agency in support of PQC was issued to agency as sub-contract by another contractor who were awarded the job by principal employer, then please specify whether certification of work completion with reference to qualifying work order issued by principal employer to contractor and contractor to the agency or a certification for work completion issued by principal employer to the agency was submitted as a link up and proof for eligibility? In case the agency executed the qualifying work order as a sub contract to M/s BHEL, then certification of work completion from M/s BHEL is enough for eligibility purpose.	Yes/No/ NA
4.	Whether you have experience in bi-sector/tri-sector rotary type secondary Air Pre-Heater erection and/or repair and maintenance activities like hot/cold baskets removal/replacement, support and guide bearing replacement, seal setting, etc.? If so, please provide documentary evidence.	Yes/No
5.	Whether you have experience in repair & maintenance or erection & commissioning of coal/gas/oil burners? If so, please provide documentary evidence.	Yes/No
6.	Confirm, whether you have experienced IBR certified welders in your roll. Alternately can you arrange such welders whenever required?	Yes/No
7.	Whether you can you take up jobs round the clock within 2 hours of verbal/telephonic information?	Yes/No
8.	The tenderer is required to bring some tools and consumables as per list given in Terms & Condition. Please confirm whether you are capable of bringing the required tools and consumables as per the list. 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
9.	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: Condition no:1,2,3,4 and 6 are fatal. Negative response to any one of these questions will make the offer liable for rejection. If the party says 'yes' he should enclose relevant documents in support of the claim. Without proper documents the offer is liable for rejection. .

Signature of the Tenderer

RASTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
WORKS CONTRACT DEPARTMENT
VISAKHAPATNAM 530 031
PHONES: 0891 2518763, 2758705, FAX: 0891 2518763

IMPORTANT INSTRUCTIONS TO TENDERERS

The Tenderers are requested to note the following:-

- 1.0. The blank Integrity pact document (consisting of 7 Pages) is attached to the Tender document. The same is to be detached while submitting the Tender.
- 2.0. The detached Integrity pact document should be signed on all pages by the tenderer after filling the blanks, wherever required and is to be submitted along with the Pre-Qualification papers, Cost of Tenders and EMD Etc., in Cover-1.
- 3.0. The Cover -2 should contain price bid part only.
- 4.0. Please note that non submission of duly filled and signed Integrity Pact in prescribed format enclosed with Tender schedule will entail to disqualification of tender and price bid of such tenderer will not be opened.

INTEGRITY PACT

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

And

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

Preamble

The Principal intends to award, under laid down organizational procedures, a contract for **"CAPITAL REPAIR OF BOILER PRESSURE PARTS"**. The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources, and of fairness/transparency in its relations with its Bidder(s) and /or Contractor(s).

The Principal will nominate an External Independent Monitor(s) (EIM(s)) by name at the tender stage/will appoint in case of receipt of any reference, from the panel of EIMs, for monitoring the tender process and the execution of the contract in order to ensure compliance with the Integrity Pact by all the parties concerned.

Section 1 - Commitments of the Principal:

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

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

- (1) The Bidder(s)/ Contractor(s) commits to take all measures necessary to prevent corruption. He commits to observe the following principles during his participation in the tender process and during the contract execution.
- (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract or to vitiate the Principal's tender process or contract execution.
 - (b) The Bidder(s)/ Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process or to vitiate the Principal's tender process or execution of the contract.
 - (c) The Bidder(s)/Contractor(s) will not commit any offence under the IPC/ PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship regarding plans, technical proposals and business details including information contained or transmitted electronically.
 - (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agent(s)/representative(s) in India, if any. Similarly the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of a foreign supplier/contract Agency, if any. Further details, as mentioned in the *Guidelines on Indian Agents of Foreign "Suppliers/contract agencies"*, shall be disclosed by the Bidder(s)/Contractor(s) wherever applicable. Further, as mentioned in the Guidelines, all the payments made to the Indian agent(s)/representative(s) have to be in Indian Rupees only.
Copy of the Guidelines on Indian Agents of Foreign "Suppliers/contract agencies" is enclosed.
 - (e) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made or committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

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

- (1) A transgression is considered to have occurred, if the principal after due consideration of the available evidence, concludes that a reasonable doubt is possible.
- (2) If the Bidder(s)/Contractor(s), before award of contract or after award of contract has committed a transgression through a violation of *Section 2* above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) from the tender process or to terminate the contract, if already awarded, for that reason, without prejudice to other remedies available to the Principal under the relevant GCC of the tender/contract.

- (3) If the bidder/Contractor has committed a transgression through a violation of any of the terms under *Section 2* above or in any other form such as to put his reliability or credibility into question, the Principal is entitled also to exclude the bidder / Contractor from future tenders/Contract award processes. The imposition and duration of the exclusion will be determined by the principal keeping in view the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the bidder /Contractor and the amount of the damage.
- (4) If it is observed after payment of final bill but before the expiry of validity of Integrity pact that the contractor has committed a transgression through a violation of any of the terms under *Section 2* above during the execution of contract, the Principal is entitled to exclude the Contractor from future tenders/Contract award processes.
- (5) The exclusion will be imposed for a minimum period of six (6) months and a maximum period of three (3) years.
- (6) If the bidder / Contractor can prove that he has restored/ recouped the damage to the principal caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion before the expiry of the period of such exclusion.

Section 4 – Compensation for Damages:

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

Section 5 – Previous transgressions:

- (1) The Bidder declares that, to the best of his knowledge, no previous transgressions occurred in the last three (03) years with any other Company in any country conforming to the anti-corruption approach or with Government/any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process. The contract, if already awarded, can be terminated for such reason.

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

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

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

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

Section 8 – External Independent Monitor(s)(EIM(s)):

- (1) The Principal appoints competent and credible External Independent Monitor(s) with clearance from Central Vigilance Commission & Transparency International (India). The EIM(s) reviews independently, the cases referred to him/them to assess whether and to what extent the parties concerned comply with the obligations under this Integrity Pact,
- (2) In case of noncompliance of the provisions of the Integrity pact, the complaint/noncompliance is to be lodged by the aggrieved party with the Nodal Officer only appointed by CMD/RINL. The Nodal Officer shall refer the complaint / non compliance so received by him to the EIM, already appointed or to be appointed for that case.
- (3) The EIM is not subject to instructions by both the parties and performs his functions neutrally and independently. The EIM(s) will submit report to the CMD, RINL.
- (4) The Bidder(s)/Contractors(s) accepts that the EIM has the right to access without restriction, to all tender/contract documentation of the Principal including that provided by the Bidder/Contractor. The Bidder/Contractor will also grant the EIM upon his request and demonstration of a valid interest, unrestricted and unconditional access to his tender/contract documentation. The same is applicable to Subcontractors also. The EIM is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/Subcontractor(s) with confidentiality.
- (5) The Principal will provide to the EIM sufficient information about all meetings among the parties related to the tender/contract for the cases referred to EIM, provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the EIM the option to participate in such meetings.
- (6) As soon as the EIM notices, or believes to notice, a violation of this pact, he will so inform the Principal and request the Principal to discontinue or take corrective action or to take other relevant action. The EIM can in this regard submit non binding recommendations. Beyond this, the EIM has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (7) The EIM will submit a written report to the CMD, RINL within four (04) to six (06) weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for corrective actions for the violations or the breaches of the provisions of the agreement noticed by the EIM.
- (8) EIM may also submit a report directly to the CVO of RINL and the Central Vigilance Commission, in case of suspicion of serious irregularities attracting provisions of the IPC/ PC Act.
- (9) Expenses of EIM shall be borne by RINL/VSP as per terms of appointment of EIMs.
- (10) The word '**Monitor**' means External Independent Monitor and would include both singular and plural.

Section 9 - Duration of the Integrity Pact:

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

Section 10 - Other provisions:

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

(For & On behalf of the Principal)_____
(For & On behalf of Bidder/
Contractor)

(Office Seal)

(Office Seal)

Place -----

Date -----

Witness 1:
(Name & Address)_____
_____Witness 2:
(Name & Address)_____

**GUIDELINES FOR INDIAN AGENTS OF
FOREIGN "SUPPLIERS/CONTRACT AGENCIES"**

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

- 3.1. 3** The amount of commission/remuneration included for bidder in the price (s) quoted
- 3.1.4** Confirmation of the foreign supplier/contract Agency of the Bidder, that the commission/remuneration, if any, reserved for the Bidder in the quoted price (s), may be paid by RINL in India in equivalent Indian Rupees.
- 4.0** In either case, in the event of materialization of contract, the terms of payment will provide for payment of the commission/remuneration payable, if any, to the agent(s)/representative(s) in India in Indian Rupees, as per terms of the contract.
- 4.1** Failure to furnish correct information in detail, as called for in para 2.0 and/or 3.0 above will render the bid concerned liable for rejection or in the event of materialization of contract; the same is liable for termination by RINL. Besides this, other actions like banning business dealings with RINL, payment of a named sum etc., may also follow.

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 BOILER PRESSURE PARTS

TENDER NO: 75410-0

PERIOD OF CONTRACT : **24 (Twenty four) months**
DEFECT LIABILITY PERIOD : **03 (Three) months**
ENGINEER : **DGM (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 : 05 (FIVE) pages only

Total No. of pages : 06 (SIX) 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: 73001027 / 10.08.2015	Report Date : 12.08.2015
Pur . Org.: WORKS CONTRACTS	
MSS: 5050613801 : CAPITAL REPAIR OF BOILER PRESSURE PARTS	
CAPITAL REPAIR OF BOILER PRESSURE PARTS	

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	510003134	ERECTION OF SCAFFOLDING/SKY CLIMBER AND CLEANING OF PR.PARTS AS PER SCOPE OF WORK 1.01.00 TO 1.01.11	10.000	EA	230,721.71	2,307,217.10
2	510003135	REPLACEMENT OF FURNACE PEEP HOLE DOORS AS PER SCOPE OF WORK S.NO.1.02.00	100.000	EA	701.45	70,145.00
3	510003136	REPLACEMENT OF BOILER PRESSURE PARTS AS PER SCOPE OF WORK S.NO 1.03.01 TO 1.03.07 REPLACEMENT OF WATER WALL TUBES OF 63.5X4.8 SHALL BE TAKEN AS AN EQUIVALENT JOINT FOR THE PURPOSE OF CALCULATION OF OTHER JOINTS	2,300.000	EA	1,632.00	3,753,600.00
4	510003137	REPLACEMENT OF HP SAMPLE/IMPULSE PIPE LINES AS PER SCOPE OF WORK S.NO 1.04.00	1,000.000	M	140.23	140,230.00
5	720000010	RADIOGRAPHIC TEST OF OLD WELDED JOINTS AS PER SL.NO 1.05.00 OF SCOPE OF WORK	300.000	EA	334.21	100,263.00
6	510003138	SERVICING OF FO STATION AS PER 1.06.01 TO 1.06.02 OF S.O.W.	10.000	EA	31,500.21	315,002.10
7	510003187	STRUCTURAL REPAIR AS PER SL.NO.1.07.00 OF SCOPE OF WORK.	50.000	TO	8,935.74	446,787.00
8	510003140	SERVICING OF DRUM INTERNALS AND SAMPLE COOLERS AS PER 1.08.01 TO 1.08.02 OF SCOPE OF WORK	10.000	EA	22,018.70	220,187.00
9	510003141	OVERHAULING/SERVICING OF VALVES AS PER 1.09.01 TO 1.09.05 OF SCOPE OF WORK A) VALVE SIZE UP TO 100 NB	740.000	EA	1,264.78	935,937.20
10	510003142	OVERHAULING/SERVICING OF VALVES AS PER 1.09.01 TO 1.09.05 OF SCOPE OF WORK B) VALVE SIZE ABOVE 100 TO 350NB	260.000	EA	2,532.20	658,372.00
11	510003143	REPLACEMENT OF GLAND/FLANGE PACKING AS PER 1.10.01 TO 1.10.02 OF SCOPE OF WORK VALVE SIZE UP TO NB 100	680.000	EA	561.06	381,520.80
12	510003144	SAFETY VALVE SERVICING AND FLOATING AS PER 1.11.00 SCOPE OF WORK	50.000	EA	4,769.79	238,489.50
13	510003145	OVERHAULING OF DAMPERS AND GATES AS PER 1.12.01 TO 1.12.10 OF SCOPE OF WORK	10.000	EA	135,790.84	1,357,908.40
14	510003188	REPAIR OF DUCTS AND EXPANSION JOINTS,AS PER SCOPE OF WORK 1.13.01 TO 1.13.04	10.000	EA	8,784.83	87,848.30
15	510003147	MINOR REPAIR OF BURNERS FROM INSIDE THE FURNACE AS PER SCOPE OF WORK 1.14.01 TO 1.14.02	10.000	EA	27,525.28	275,252.80
16	510003189	MAJOR REPAIR/ REPLACEMENT / AND FIXING BACK COAL/GAS BURNER AS PER 1.15.00 OF SCOPE OF WORK	200.000	EA	2,452.39	490,478.00



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
17	510003149	REPAIR OF COAL PIPE BENDS,HARD FACING AND FIXING BACK AS PER SCOPE OF WORK 1.16.00	300.000	EA	1,545.37	463,611.00
18	510003150	REPAIR OF OIL GUNS & IGNITORS AS PER 1.17.01 TO 1.17.02 OF S.O.W	120.000	EA	1,124.57	134,948.40
19	510003190	REPLACEMENT OF CAST STEEL PF PIPES AS PER SCOPE OF WORK 1.18.01 TO 1.18.03 UPTO A LENGTH OF 2 METRES	120.000	EA	2,979.12	357,494.40
20	510003191	REPLACEMENT OF CAST STEEL PF PIPES AS PER SCOPE OF WORK 1.18.01 TO 1.18.03 LENGTH BETWEEN 2 TO 4 METRES	30.000	EA	3,938.54	118,156.20
21	510003193	REPLACEMENT OF WELDED PF BENDS AS PER SCOPE OF WORK 1.19.01 TO 1.19.03 90° LONG RADIOUS ELBOWS.	40.000	EA	5,815.49	232,619.60
22	510003194	REPLACEMENT OF WELDED PF BENDS AS PER SCOPE OF WORK 1.19.01 TO 1.19.03 OTHER THAN 90°# LONG RAD.ELBO	40.000	EA	4,846.07	193,842.80
23	510003155	INSPECTION/CLEANING OF CO GAS & BF GAS LINES AND CLEANING OF DRAIN POTS AS PER S.NO 1.20.01 TO 1.20.04 OF SCOPE OF WORK	10.000	EA	27,571.88	275,718.80
24	510003156	REVISIONING OF GAS VALVES AS PER 1.21.01 TO 1.21.03 OF SCOPE OF WORK A) SIZE 800-1000 MM	100.000	EA	2,752.04	275,204.00
25	510003157	REVISIONING OF GAS VALVES AS PER 1.21.01 TO 1.21.03 OF SCOPE OF WORK B) SIZE 100-350 MM	400.000	EA	984.35	393,740.00
26	510003158	REVISIONING OF GAS VALVES AS PER 1.21.01 TO 1.21.03 OF SCOPE OF WORK C) SIZE 1000-1800 MM	20.000	EA	2,752.04	55,040.80
27	510003192	REPLACEMENT OF CAST STEEL PF PIPES AS PER SOW 1.18.01 TO 1.18.03,LENGTH ABOVE 4MTRS	30.000	EA	4,846.07	145,382.10
28	510003159	REVISIONING OF GAS VALVES AS PER 1.21.01 TO 1.21.03 OF SCOPE OF WORK D) SIZE 350-600 MM	40.000	EA	1,681.07	67,242.80
29	510003160	REVISIONING OF GAS VALVES AS PER 1.21.01 TO 1.21.03 OF SCOPE OF WORK E) SIZE UP TO 50 MM	40.000	EA	198.73	7,949.20
30	510003161	REVISIONING OF HANDLING EQUIPMENT AS PER 1.22.00 OF SCOPE OF WORK	10.000	EA	19,694.46	196,944.60
31	510003162	PAINTING OF SAFETY VALVES AS PER SCOPE OF WORK S.NO 1.23.00	70.000	EA	1,689.32	118,252.40
32	510003163	REPLACEMENT OF FLOOR GRILLS AS PER S.NO.1.24.00 SCOPE OF WORK	800.000	M2	280.43	224,344.00
33	510003164	REPLACEMENT OF FEED WATER ISOLATION V/V NB 250 IN HEADER FLOOR AS PER SOW 1.25.01 TO 1.25.13	2.000	EA	87,224.07	174,448.14
34	510003195	REMOVAL,REPAIR/ REPLACEMENT & FIXING BACK OF APH HOT END BASKETS AS PER S.NO 2.01.01 TO 2.01.03 OF SCOPE OF WORK	720.000	EA	579.00	416,880.00
35	510003196	CLEANING/REPAIR OF INTERMEDIATE BASKETS AS PER S.NO 2.02.00 OF SCOPE OF WORK	6.000	EA	7,820.97	46,925.82
36	510003197	REMOVAL,REPAIR,CLEANING & FIXING BACK OF COLD END BASKETS AS 2.23.00 OF SCOPE OF WORK.	672.000	EA	403.18	270,936.96
37	510003198	REPAIR OF APH BEARINGS,SEALS ETC AS PER S.NO 2.04.01 TO 2.04.06 OF SCOPE OF WORK	10.000	EA	20,199.03	201,990.30
38	510003199	DISMANTLING,CLEANING,REASSEMBLY & shffING OF	180.000	EA	759.21	136,657.80



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		APH BASKETS AS PER S.NO 2.05.01 TO 2.05.08 OF S.O.W.				
39	510003169	REPLACEMENT OF GUIDE OR SUPPORT BEARING OF AIR PRE HEATER AS PER S.NO 2.06.00 OF SOW	6.000	EA	43,885.48	263,312.88
40	510003170	REPAIR OF JACTUATOR MECHANISM OF AIR PRE HEATER AS PER S.NO.2.07.00 OF SOW	10.000	EA	7,874.97	78,749.70
41	510003174	REPLACEMENT OF CHIMNEY SEAL,AS SCOPE OF WORK SL.NO 3.03.00	4.000	EA	42,204.41	168,817.64
42	510003175	FIXING OF SS LINER PLATES IN TRANSFER CHUTE AS PER SOW 3.04.01 TO 3.04.05	2.000	TO	33,763.47	67,526.94
43	910000047	CHOKAGE REMOVAL AND EMPTYING OF TPP BUNKERS WITH SKILLED MANPOWER AS PER SCOPE OF WORK 3.05.00	40.000	EA	11,253.95	450,158.00
44	910000048	CHOKAGE REMOVAL AND EMPTYING OF ISB BUNKER WITH SKILLED MANPOWER AS PER SCOPE OF WORK 3.06.00	16.000	EA	15,474.17	247,586.72
45	910000049	DEPLOYMENT OF MANPOWER DURING EMERGENCIES AS PER SOW 3.07.00 A) SEMI SKILLED	1,200.000	MDY	514.25	617,100.00
46	910000050	DEPLOYMENT OF MANPOWER DURING EMERGENCIES AS PER SOW 3.07.00 B) UN SKILLED	1,800.000	MDY	458.50	825,300.00
47	510003176	REMOVAL OF MAN HOLE COVER DIVIDING PLATES,DIAPHRAGM AND FIXING THEM BACK AS PER SCOPE OF WORK SL.NO 4.01.01 TO 4.01.08	24.000	EA	28,439.81	682,555.44
48	510003177	TUBE PLUGGING AS PER SCOPE OF WORK SL NO.4.02.01 TO 4.02.10	260.000	EA	916.40	238,264.00
49	510003178	WELDING OF 1 HP VALVES AS PER SCOPE OF WORK SL.NO.4.03.01 & 4.03.02.	60.000	EA	1,344.41	80,664.60
50	510003179	FABRICATION ERRECTION & OPERATION OF MOVING CAGE OR SKYCLIMBER AS PER SOW 1.26.00	2.000	EA	20,108.50	40,217.00
51	510003180	PREPARATORY AND POST WELDING WORKS IN BOILER DURING TUBE LEAKAGES OF BOILER AS PER SOW SL.NO 1.27.00	16.000	EA	36,010.53	576,168.48
52	510003204	FIXING OF NON METALIC EXPANSION BELLOW AT PA FAN OUTLET DUCT AS PER SOW S.NO 5.05.00	4.000	EA	120,473.64	481,894.56
53	510003205	FABRICATION OF BENDS AS PER SOW SL.NO.	200.000	EA	1,941.27	388,254.00
54	510003206	ASSISTANCE FOR RLA STUDY AS PER SOW S.NO.5.06.00	2.000	LS	99,588.87	199,177.74
55	510006269	FIXING OF METALLIC EXPANSION BELLOW AT TUBULAR AIR HEATER OUTLET AS PER SOW S. NO 6.01.00.	2.000	EA	63,864.14	127,728.28
56	510006270	FIXING OF METALLIC EXPANSION BELLOW AT ROTARY AIR HEATER INLET AS PER SOW S. NO 6.02.00.	2.000	EA	72,691.14	145,382.28
57	510006271	FIXING OF METALLIC EXPANSION BELLOW AT ROTARY AIR HEATER OUTLET AS PER SOW S. NO 6.03.00.	4.000	EA	60,790.20	243,160.80
58	510006272	FIXING OF METALLIC EXPANSION BELLOW AT ESP INLET AS PER SOW S. NO 6.04.00.	12.000	EA	47,172.89	566,074.68
59	510006273	OVERHAULING OF SEAL AIR FANS AS PER SOW S. NO 7.01.00	10.000	EA	7,318.70	73,187.00
60	510006274	OVERHAULING OF SCANNER AIR FANS AS PER SOW S. NO 7.02.00.	10.000	EA	6,247.05	62,470.50



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
61	510006275	ASSISTANCE FOR RLA STUDY OF MAIN STEAM HEADER AS PER SOW S. NO 8.01.00.	6.000	LS	68,580.85	411,485.10
62	510007874	Pressure test of BFG line	10.000	LS	9,432.00	94,320.00
63	510007875	Replacement of BF Gas pipe line corner bellow	10.000	EA	16,245.00	162,450.00
64	510007876	Replacement of CO Gas pipe line corner bellow	10.000	EA	3,003.00	30,030.00
65	510007877	Erection of scaffolding in Boiler and its auxiliary equipment	300.000	M2	245.41	73,623.00
66	510007878	Deployment of skilled manpower for miscellaneous maintenance jobs	1,460.000	MDY	599.40	875,124.00
67	510007879	Deployment of un-skilled manpower for miscellaneous maintenance jobs	2,920.000	MDY	458.50	1,338,820.00
Total Value: In words : two crore fifty eight lakh ninety seven thousand one hundred seventy one rupees sixty six paise						25,897,171.66

Signature of the Tendere



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

TENDER NO: 75410-0

Name of the work :

CAPITAL REPAIR OF BOILER PRESSURE PARTS

- 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.	<p>As per the detailed Bill of Quantities enclosed in 04(FOUR) pages</p> <p>ESTIMATED VALUE (RUPEES TWO CRORES FIFTY EIGHT LAKHS NINETY SEVEN THOUSAND ONE HUNDRED SEVENTY ONE AND PAISE SIXTY SIX ONLY)</p>			<p>AS PER DETAILED BILL OF QUANTITIES ENCLOSED</p>	<p>2,58,97,171=66</p>

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 BDLOW. 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