



**RASHTRIYA ISPAT NIGAM LIMITED**  
**VISAKHAPATNAM STEEL PLANT**  
**MINES DEPARTMENT**  
**VISAKHAPATNAM-530031**  
**PHONE NO: 0891-2519545, TELEFAX NO:0891-2518669**

**NAME OF THE WORK:**

*Operation and maintenance of Dry fog based dust suppression system at Madharam Dolomite Mines.*

**Open Tender Notice No. : VSP/Mines-13/2015-16 Date: 17.05.2016**

**PERIOD OF CONTRACT** : **12 (Twelve ) Months**  
**DEFECT LIABILITY PERIOD** : **Nil Months**  
**ENGINEER** : **Manager (Mech)**

**ISSUED TO SRI/ M/s.** \_\_\_\_\_

**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 : 01 (One) pages only**

**Total No. of pages : 23(Twenty Three) pages only**

**(FOR OFFICE USE ONLY)**

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



**RASHTRIYA ISPAT NIGAM LIMITED / VISAKHAPATNAM STEEL PLANT**  
MINES DEPARTMENT, C-Block, IInd Floor, North Wing, Administrative Building  
VISAKHAPATNAM – 530 031

Phone: 0891-2519545, Fax: 0891-2518669

**OPEN TENDER NOTICE NO. VSP/MINES – 13/2015-16, Date 17.05.2016**

- 1) Sealed Tender along with Earnest Money Deposit (EMD) is invited from experienced contractors having similar work for the following works:

*Name of the Work:- Operation and maintenance of Dry fog based dust suppression system at Madharam Dolomite Mines.*

**Note: The agencies should have experience in Mechanical maintenance works like electromotive equipments / rotary equipments /material handling equipments etc.**

Cost of Tender Document (Non-refundable)		Eligibility / experience requirements		Earnest Money Deposit (Rs)
By Hand (Rs)	By Downloading from Web Site of <a href="http://www.vizagsteel.com">www.vizagsteel.com</a> (Rs)	Value of single similar work executed (Rs. In Lakhs)	Annual Turn over (Rs. In lakhs)	
600/=	600/=	3.362	2.017	5,000/=

2. Cost of Tender document shall be paid in the form of DD obtained from any Nationalised or scheduled bank drawn in favour of RIN Ltd, payable on State Bank of India, Madharam, Code No..8793. **THE COST OF TENDER DOCUMENT RECEIVED ALONGWITH TENDER CUMENT WILL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES UPON RECEIPT OF TENDER.**

3. The value of single similar work executed shall be during the last 07(Seven) years ending last day of month previous to Tender Notice date i.e **30.04.2016** and Turnover shall be the average Annual Financial Turn over during the last three years ending 31<sup>st</sup> March of the previous financial year i. e **31-03-2016**. The tender document shall be accompanied with copies of **a) Work Order, Bill of Quantities, Completion Certificate** with details of value of work executed inclusive of all deviations and escalations against this subject work and including all taxes and 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 in the work completion certificate. In case of work in progress, work in progress certificate indicating start date as per order and actual start date & value of work executed with date up to which it is considered against the subject work and including all taxes & duties but excluding service tax with certification of satisfactory performance of the contractor to that extent and continuance of said work by the employer (b) for Turn Over Audited Balance Sheets certified by Practicing Chartered Account in case the annual Turnover is more than Rs.40.00 Lakhs (or) in case of Turnover is less than Rs.40.00 lakhs either Turnover Certificate in the prescribed format of VSP duly signed by a Practicing Chartered Accountant/Cost Accountant or T.D.S. Certificate (s) **comprising the Gross Bill values issued by the Deductor (s) for the work done. :** Tender Documents will not be opened/considered if 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 :

- a) Tenderer shall submit PF registration certificate if available , if not available successful tenderer shall submit PF registration certificate before commencement of work.  
b) Tenderer shall submit VAT registration certificate under APVAT act if available, if not available successful tenderer shall submit VAT registration certificate under APVAT act before signing the Work order / Letter of Acceptance and submit a copy of the same.

4. 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, Name of the Contractor tender notice number 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(Mines) by paying tender cost in the form of DD 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/BC/BG etc (refer to instruction to tenderer) and pre-qualification



documents (Criteria eligibility/experience and other documents, etc as cited at Para (03) above) duly signed / attested by the authorized representative of the Company as per Para-1 read with Para-3 above. SECOND ENVELOPE (to be super scribed as ENVELOPE-2 with name of the work, Name of the Contractor ,tender notice number) 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, adequacy of cost of tender document (in case of downloaded tender), 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 prequalification will be subsequently displayed in the notice board of Mines Department only and no individual communication to tenderers will be made.
- 4.3 VSP after opening of Tender / bid document may seek in writing documents / clarifications which are necessary for evaluation of tender / bid document from the tenderers / bidders or issuing authority for confirmation of eligibility / pre-qualifications stipulated in the NIT..
- 4.4 Scope of work, Bill of Quantities (BOQ), Terms & Conditions given in the tender documents (placed in the website) are 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.
- 4.5 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.
5. The tender documents and other details can be downloaded from our web site: [www.vizagsteel.com](http://www.vizagsteel.com) and the same are to be submitted to DGM (Mines), Visakhapatnam Steel Plant .
6. Non-transferable tender document can also be obtained from the Office of DGM (Mines), 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 04.30 PM on or before **04.30 PM on 01.06.2016**
7. Tenders will be received in the Office of DGM (Mines) **upto 03.00 PM on 02.06.2016** and Envelope-1 will be opened immediately thereafter.
8. If it comes to the notice of VSP at any stage right from request for enlistment / tender document that any of the certificates / documents submitted by applicant for enlistment 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 anywhere in VSP will also be terminated with attendant fall-outs like forfeiture of E MD / Security Deposit, if any, and recovery of risk and cost charges, etc. Decision of VSP Management will be final and binding.
9. 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. / I TCC / 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.
10. 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 a any time without assigning any reason thereof and without being liable to refund the cost of tender documents thereupon.

DGM (Mines)I/c

Copy to:-

- |  |   |
|--|---|
| 1. Projects Contracts Department:                  | with request to please arrange for display in the notice board for publicity. |
| 2. Town Admn. Department                           | -do-  |
| 3. Works Contracts Department                      | -do-  |
| 4. Madharam Dolomite Mine (MDM), Madharam.         | -do-  |
| 5. Jaggayyapeta Limestone Mine (JLM), Jaggayyapeta | -do-  |
| 6. Garbham Manganese Mine (GMM), Garbham.          | -do-  |
| 7. Mines Department Notice Board.                  |   |



Ref. Tender No. : VSP/Mines-13/2015-16 Dt. 17.05.2016.

***Name of the Work Operation and maintenance of Dry fog based dust suppression system at Madharam Dolomite Mines.***

**To**

Deputy General Manager (Mines)I/c  
Mines 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.	
OFFICIAL ADDRESS	
Phone No:	
Cell No :	
Fax No.:	
e-mail address:	

Yours faithfully,

(Signature of Contractor)  
Name:.....



(1)

Rashtriya Ispat Nigam Limited  
VISAKHAPATNAM STEEL PLANT

INSTRUCTIONS TO TENDERERS

1.0 GENERAL

- 1.1 Tenders in the prescribed form should be submitted in sealed envelope superscribed on the cover (I) Name of work and (ii) The due date of opening,(iii) Name of the Contractor,(iv) Tender notice number. Sealed tenders sent by the post should be addressed to DGM (Mines), Mines Department, C Block, II Floor, North Wing, Administrative Building, Visakhapatnam Steel Plant, Visakhapatnam – 530 031 clearly superscribed on the cover detailed as above.
- 1.2 Tender Documents issued are not transferable. Tender documents issued shall be submitted wholly without detaching any part.
- 1.3 Tenders shall be for the entire scope of the work mentioned in the tender documents.
- 1.4 Tenders shall quote “only the total amount in figures and in words”. Over writing is not permitted and corrections initialed. Amount quoted in words shall govern in case of variance between figures and words.
- 1.5 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 hand writing. All the pages of tender documents shall be signed by the tenderer.
- 1.6 If by any reason, the tender receiving date happens to be VSP’s closed holiday or an extraordinary holiday the tender will be received on the following day at the same time and shall be opened immediately thereafter.
- 1.7 If by any reason the tender opening is postponed to any other date, the details will be displayed in the notice board of Mines department. Tenderers shall see the notice board regularly and keep themselves informed in this matter.
- 1.8 Before quoting, the tenderers shall necessarily contact the “Engineer” and fully understand the job, scope of works, unit of measurements, mode of measurements, scope of supply of materials by VSP, if any, working conditions, shut down arrangements, labour deployment requirements, risk contingencies, and such other factors which may affect their tender. The contractor should visit the site and acquaint himself with the site conditions before quoting for the work. He should also sign every page of the tender document in token thereof.
- 1.9 General conditions of contract of VSP(printed book) are available with concerned section in charges at Visakhapatnam, Jaggayyapeta and Madharam for reference. The tenderers shall study and understand the same before quoting,
- 1.10 Tenders shall be kept open for acceptance for a period of 4 months from the date of opening of tender.

2.0 EARNEST MONEY DEPOSIT (EMD)

- 2.1 Earnest Money Deposit shall be in the form of Demand Draft (Drawn in favour of RINL/Visakhapatnam Steel Plant payable at Jaggayyapeta / Madharam depending upon the place of work to be executed )or a Bank Guarantee issued by a schedule Bank. Bank Guarantee and Demand Draft shall be valid for a period of three months from the tender opening date
- 2.2 “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.
  - a. Proof of enlistment with NSIC and with particulars of relevant trade/item.

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- b. 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,
  - c. 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.
- 2.3 Bank Guarantees shall be submitted along with a covering letter in a sealed envelop directly from the Bank.
- 2.4 EMD's of unsuccessful tenderers will be refunded after reasonable time with out interest.

## 3.0 MODE OF SUBMISSION OF TENDER

- 3.1 The offer shall be submitted in 2(two) envelopes. FIRST ENVELOPE to be super-scribed as ENVELOPE-1 with name of work, name of the contractor, tender notice number should contain the cost of tender document in the form of DD as mentioned in the tender notice in case the tender is down-loaded from web-site (Tender can be purchased from the Office of DGM (Mines) by paying tender cost in the form of DD as mentioned in the tender notice in which case, tender cost need not be enclosed while submitting the tender. Earnest Money Deposit (EMD) separately in the form of DD/BC/BG/Certificate of SSI Unit registration to get exemption from EMD etc (Refer Para 2 above), and pre-qualification documents, criteria eligibility/experience and other relevant documents as mentioned in the tender notice.

SECOND ENVELOPE to be super-scribed as ENVELOPE-2 with name of work, name of the Contractor, tender notice number should contain price bid in its prescribed format along with the tender document.

These two separate covers shall be stapled / tied together and submitted.

- 3.2 The first cover(ENVELOPE-1) shall be opened initially and only on satisfying the eligibility criteria, adequacy of cost of tender document (in case of down-loaded tender), EMD etc., placed in it, the second cover (ENVELOPE-2) containing the price bid will be opened.
- 3.3 The date and time of opening of the price bid along with names of successful tenderers in pre-qualification will be subsequently displaced in the notice board of Mines Department only and no individual communication to tenderers will be made.
- 3.4 The documents submitted in the first envelope by the tenderers in respect of pre-qualification criteria are final and no further correspondence/clarifications/submission in this regard shall be entertained.
- 3.5 Scope of work, Bill of Quantities (BOQ), terms and conditions given in the tender documents (placed in the web site) are 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 down-loaded from our web site/issued are found tampered/alterd/incomplete, they are liable for action like rejection of the tender, cancellation and termination of Contract, debarring etc., as per rules of the Company.
- 3.6 The tender documents and other details can be down-loaded from our web site *www.vizagsteel.com* and the same are to be submitted.
- 3.7 Non-transferable tender document can also be obtained from the Office of the DGM (Mines), Mines Department, VSP on written request on bidders' letter head on payment of tender cost in the form of DD/BC as mentioned in the tender notice.

SIGNATURE OF THE CONTRACTER/TENDERER



#### 4.0 INSTRUCTIONS FOR SUCCESSFUL TENDERS

- 4.1 Unqualified Acceptance.
- 4.2 Initial Security Deposit in the approved proforma/performance Guarantee Bond in lieu of Security Deposit in the approved proforma.
- 4.3 Non-Judicial stamp paper of value Rs.100/- for concluding agreement.
- 4.4 Permanent Account No allotted by Income Tax Department and copy of latest Income Tax clearance certificate.
- 4.5 Copy of Registered Partnership Deed or an affidavit of sole proprietorship
- 4.6 Copy of Power Attorney authorising the individual to sign the agreement
- 4.7 Copy of Registration Certificate under APGST
- 4.8 Copy of P.F.Registration Certificate.
- 4.9 Confirmation of Labour Management.  
These documents shall be submitted not later than 15(fifteen) days from the date of issue of detailed Letter Of Indent (LOI)
- 5.0 Tenders will be opened in the presence of such tenderers or their authorised Representatives who choose to be Present.
- 6.0 RASHTRIYA ISPAT NIGAM LIMITED reserves the right to issue/refuse tender document and to accept/reject any or all tenders either in part or in full or to split up and award the work to more than one agency without assigning any reasons thereof and without any liability to RINL.
- 7.0 If it comes to the notice of VSP at any stage right from request for tender document that any of the certificates/document submitted 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 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 anywhere in VSP will also be terminated with attendant fall-outs like forfeiture of EMD/ Security Deposit, if any, and recovery of risk and cost charges, etc.

SIGNATURE OF THE CONTRACTER/TENDERER



Rashtriya Ispat Nigam Limited  
VISAKHAPATNAM STEEL PLANT

CERTIFICATE

I/We have gone through the general conditions of contract of VSP and noted the contents therein. I/We hereby confirm that I/we shall abide by the 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 information about the nature of the work, facilities that may be required and obtained necessary information about working conditions, risk contingencies etc., which may influence this tender.

SIGNATURE OF THE TENDERER/CONTRACTOR

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## SPECIAL CONDITIONS OF CONTRACT (SCC)

1. General: The special conditions of the contract (SCC) are complementary to and shall be read in conjunction with General Conditions of Contract (GCC) of VSP for works contracts. Scope of work, Bill of Quantities and other documents forming part of the Tender Documents. In case of any conflict of meaning between SCC & GCC, provisions of SCC shall over ride the Provisions of GCC.
2. Visakhapatnam Steel Plant reserves the right to accept or reject the lowest or any other tender without assigning any reason and the work may be awarded to one of the Tenderers or to more than one tenderer.
3. The contract shall be treated as having been entered into from the date of issue of the letter of intent/work order to the successful tenderer, unless otherwise specified.
4. WATER, POWER AND COMPRESSED AIR: Unless otherwise specified to the contrary in the tender schedule, the contractor is entitled to use in the work such supplies of water, power and compressed air (Basing on availability) from VSP's sources from approved tapping points, free of cost. The contractor shall make his own arrangement for drawing the same to the work spot.
5. Immediately on receipt of work order, the successful tenderer shall obtain and submit the following documents to the Engineer with a copy to ZPE fore start of work.
  - a(i) Insurance Policy covering all the workmen against injury, permanent disability, death, etc which shall be effective from the date of start of contract and cover for the entire period of contract including extension 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 benefits under the ESI scheme / Workmen Compensation, whichever is applicable, the contractor is required to pay the ex-gratia amount within 30 days (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 Workmen's compensation Insurance.
  - (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 as required.
  - c) PF Registration Certificate issued by PF Authorities
6. The contractor shall submit wage records, work commencement/completion certificate etc. and obtain necessary clearance from ZPE for bills clearance.
7. 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.
8.
  - a) The contractor shall follow the provisions of Mines 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.
  - b) The agency has to carry out Initial / Periodical Medical Examination for all the workers engaged by them as per stipulations of Mines Act and as directed by the Engineer. The agency shall also submit Medical examination reports / certificates of the workers, in the prescribed format to the Engineer before commencement of work
9.
  - 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 contractor will, in turn, submit the documentary evidence in support of payment of Service Tax of each month along with subsequent month RA bills.
10. **ADVANCE:** No advance of any sort will be given by VSP.
11. **PAYMENT TERMS:** Payment will be made monthly on recommendations of the Engineer basing on the quantities executed, at accepted rates.
12. **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.
13. **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.
14. **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.
15. **Security Deposit:**The Public Sector Enterprises or State/Central Government Undertakings/ SSI units registered with Govt. of AP/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).
16. "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: -  
a. Proof of enlistment with NSIC and with particulars of relevant trade/item.  
b. 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.,  
c. 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.
17. Recovery of income tax at source will be made from contractor's bill and deposited with Income Tax Department as per rules. Recovery of sales tax applicable shall be made from the contractor's bills.
18. **SAFETY:**  
a) The contractor and his workers must strictly take all safety precautions and shall supply to his workers dependable safety appliances like hand gloves, safety boots, safety belt, safety helmets, duster cloth, dust mask/nostril filter etc. In addition to this, contractor shall also provide additional safety appliances as per

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- requirement and follow safe working practices like using fully insulated electrode holders etc. He shall also ensure that his workmen intelligently use only dependable safety appliances supplied to them.
- b) The contractor shall take adequate safety precaution to prevent accidents at site. The contractor shall also ensure that his employees observe the statutory safety rules and regulations and also those laid down by the employer from time to time and promptly submit report of accident and state the measures taken by him to prevent their recurrence and also keep the employer indemnified of all claims arising out of such accidents.
  - c) No Workmen shall be engaged on the work without proper safety induction and without using required PPE. Use of safety helmet and shoe is must excepting in painting works where shoe will not be used.
  - d) All the safety appliances required for safe working as decided by SED/Contract operating deptt. shall be provided by the contractor to his workmen.
  - e) Clearance to start the job will be obtained by the contractor in form 'A&B' before start of work. The forms may be obtained from the dept. concerned.
  - f) Works at height cannot be started without clearance from Zonal Safety Officer. The workers engaged for work at height shall possess height pass from SED. The names of workmen working at height or in hazardous areas will be written on the body of form "B".
  - g) 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".
  - h) 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 pinion rider  3. Wrong Parking of vehicle.	First offence: Rs. 100.00 Second or subsequent offences: Rs.300.00  First offence: Rs. 100.00 Second or subsequent offences: Rs.300.00  First offence: Rs. 100.00 Second or subsequent offences: Rs.300.00
II	<u>MINOR VIOLATIONS</u>	
	1. Working at height with out 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 plug. 7. Fitness certificated of cranes/hydra/heavy vehicles not available. 8. Crane rope conditions not ok. 9. Not wearing safety helmet /safety shoe at site. 10. Safety goggles/Hand gloves not used. 11. Gas cutting without goggle. 12. Rolling/lifting of cylinder/dragging on the ground (without cage). 13. Welding with non standard holder. 14. Welding machine earthing not done (double body earthing). 15. Gas Hose pipe clamping done by wires. 16. LPG. Cylinder date expiry/over.	First Violation: Rs.2,500/- Second violations : Rs.10,000/- Third time repeated violation: Rs 20,000/-

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	<ol style="list-style-type: none"> <li>17. Loading/unloading of cylinder –cushion not given.</li> <li>18. Condition of hose pipe not good.</li> <li>19. Working with leaking cylinder.</li> <li>20. Using non power cable instead of welding cable.</li> <li>21. Working without work permit/shut down.</li> <li>22. Not putting red flags / stoppers.</li> <li>23. Dismantling of structure without authorized plan.</li> <li>24. Unauthorized Oxygen /nitrogen tapping.</li> <li>25. Not having proper gate passes/other area passes.</li> <li>26. Use of damaged slings/tools/ropes.</li> <li>27. Use of Hand grinders/mixer machines without guard.</li> <li>28. Not reporting of accident.</li> <li>29. Taking shelter behind electrical panel.</li> <li>30. Driving of heavy vehicles on the main road during restricted hour.</li> <li>31. Truck side panel/broken not ok.</li> <li>32. Dropping / Spillage of material on the road.</li> <li>33. No number plate on vehicle.</li> <li>34. No indicator light / brake light on vehicles.</li> <li>35. Driving Dangerously</li> <li>36. Overloading of the vehicles beyond CC weight.</li> <li>37. Racing and trials of speed, Overtaking heavy vehicles</li> <li>38. Moving vehicles in unauthorized restricted routes</li> <li>39. Talking with cell phone while driving</li> <li>40. Truck carrying Powdery material with out tarpaulin</li> <li>41. Vehicles without Red flags/Red lights, Side guards &amp; Donnage.</li> <li>42. Stock protruding out of the truck body.</li> </ol>	<p style="text-align: center;">First Violation: Rs.2,500/-  Second violations :  Rs.10,000/-  Third time repeated violation:  Rs 20,000/-</p>
III	<p style="text-align: center;"><u>MAJOR VIOLATIONS</u></p> <ol style="list-style-type: none"> <li>1. Using bamboo or other non standard material for scaffolding.</li> <li>2. Railing not given at platforms or opening of floor.</li> <li>3. Scaffolding planks not tied properly.</li> <li>4. Throwing / dropping of material from height.</li> <li>5. Proper ladder/approach not given for working at height.</li> <li>6. Walkway / cross over path not provided.</li> <li>7. No barricading of excavated pits.</li> <li>8. No top cover on power distribution board</li> <li>9. Sleeping under truck.</li> <li>10. Absence of Supervisor at height works, confined space jobs and other hazardous jobs.</li> <li>11. Welding screen /Face shield ,welder gloves not used</li> <li>12. Driving vehicles without valid driving license.</li> <li>13. Driving by an Drunken person</li> </ol>	<p style="text-align: center;">Rs. 7,500/- for 1<sup>st</sup> violation,  2<sup>nd</sup> and subsequent violations  Rs.15000/-</p>
IV	<p style="text-align: center;"><u>HIGH RISK VIOLATIONS</u></p> <ol style="list-style-type: none"> <li>1. Failure to use Full body harness with double lanyard.</li> <li>2. Life line of Full body harness not anchored.</li> <li>3. Floor opening left unguarded in the area of work.</li> <li>4. Working at roof without daily permit.</li> <li>5. Working in confined space without confined space work permit.</li> <li>6. Violation of electrical shut down/PTW</li> <li>7. Violation of HOT work permit system</li> </ol>	<p style="text-align: center;">Rs.15,000/-</p>

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V	<p>1. Serious injuries and permanent disabilities</p> <p>2. Fatal Accident Cases</p>	<p>Rs 100000 or 2.5% of contract value Whichever is less.</p> <p>.Rs2,,00,000/- Or 10% of contract value whichever is lower.</p>
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- 1) The above penalties related to the accidents mentioned at Cat (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 3<sup>rd</sup> 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 by the clause No.16(g) of Special conditions of Contract for stoppage of work for violation of safety rules ,the contractor shall be liable for penalty at the rates indicated in Annexure depending upon the category of violation.
- 4) Operating authority will assess the penalty amount having regard to all the circumstances in particular the nature and gravity of the violation on the advice of Head of the Safety Engineering Department and will issue a show-cause notice specifying there in 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 / SD of the contractor without any further reference to him.

**19. SHUTDOWNS:**

- A) Necessary shutdowns will be arranged by VSP to the contractor for carrying out the work based on requirement. No claims on account of delayed/prolonged shutdown will be entertained.
- B) The works assigned to the contractor by the Engineer from time to time shall be completed within the time schedule fixed by the Engineer in each case, within the approved shut down period.

**20. LABOUR DEPLOYMENT:**

- A) The contractor shall deploy his labour as per requirement and as instructed by the Engineer. It may be necessary to carry out 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.

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, nonpayment 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 anywhere in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D. / Security Deposit, if any, and recovery of risk and cost charges etc. Decision of V.S.P. Management will be final and binding.
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. Contractor shall note that:  
i) Time for mobilization after issue of FAX Letter of Intent/detailed Letter of Intent / Work Order shall be;  
a. 03 (Three) days for Capital Repairs  
b. 15 days for Civil Works  
c. 60 days for painting works of Structural Engineering Department  
d. 07 (Seven) days for Annual Mechanical, Electrical and works of technological assistance/cleaning.  
ii) Re-starting the work after disruption shall be within 04 (Four) to 06 (Six) hours after the cause of disruption is removed as decided by the HOD.  
iii) Notice period for Contract Termination shall be - 03 (Three) hours in the event of breakdowns, 02 (Two) days in Capital Repairs and 10 days in other works.  
*Failure to adhere to above stipulations may result in Termination of contract at risk & cost and will make the party liable for debarring for a period o 2 (Two) years.*
34. 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.
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 any statutory revision in the minimum wages payable to contract workmen as notified by the Regional Labour Commissioner (Central), Hyderabad, Escalation shall be paid as per the following formula :

$$V = \frac{L \times W \times (X - X_0)}{100}$$



Xo

**WHERE :**

- V = Escalation payable
- L = **Labour content** during billing period .
- W = Gross value of work done on the basis of Contract rates for the period for which variation is applicable.
- X = Revised Weighted Average of RINL / VSP approved rates for the period for which variation is applicable (for Unskilled, Semi-skilled and Skilled categories of Workers) based on the minimum wages as notified by the Regional Labour Commissioner (Central), Hyderabad for the period under consideration for that contract as per present man days of different categories for the billing period.
- Xo = Existing (on the basis which tender estimate is prepared) Weighted Average of existing RINL / VSP approved rates (for unskilled , semi skilled and skilled categories of workers and which is based on the minimum wages notified by Commissioner of Labour, Government of Andhra Pradesh, Hyderabad)for that contract as per present man days of different categories for the billing period.

**WHERE**

- X =  $(a \times \text{USR} + b \times \text{SSR} + c \times \text{SKR}) / (a + b + c)$
- Xo =  $(a \times \text{USRo} + b \times \text{SSRo} + c \times \text{SKRo}) / (a+b+c)$
- L =  $(a \times \text{USRo} + b \times \text{SSRo} + c \times \text{SKRo}) / W$

**WHERE**

- a = Man days present by USW during the Billing period
- b = Man days present by SSW during the Billing period
- c = Man days present by SKW during the Billing period
- USR = Revised RINL / VSP approved estimated wage rate of USW at the time of Billing
- SSR = Revised RINL / VSP approved estimated wage rate of SSW at the time of Billing
- SKR = Revised RINL / VSP approved estimated wage rate of SKW at the time of Billing
- USRo = RINL/VSP estimated wage rates of USW based on which the estimate of work is prepared
- SSRo = RINL/VSP estimated wage rates of SSW based on which the estimate of work is prepared
- SKRo = RINL/VSP estimated wage rates of SKW based on which the estimate of work is prepared

(The above escalation shall be independent of the award percentage whether +ve or -ve.)

37.1

**PAYMENT OF MINIMUM WAGES:** Wages paid to the Workmen by the Contractor should not be less than the rates notified by the **Regional Labour Commissioner (Central), Hyderabad, A.P.** from time to time with regard to Minimum Wages applicable to the respective categories of Workmen plus the Adhoc amount at the rate of Rs.11.54 as per working day per Workman per category. **Wages with ad-hoc amount** to the workmen should be paid on or before the 7<sup>th</sup> of the subsequent month. if 7<sup>th</sup> 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 workman employed by the contractor) contributions should be deposited in the bank in the permanent PF code number and challan obtained before the 15<sup>th</sup> of the subsequent month and forwarded to the Engineer". In case of failure of the contractor to comply with any of the above, the following action will be taken by VSP.

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

<p>3. Non Payment of PF</p> <p>4. Delayed Payment of PF</p>	<p><b>I</b> contractor applicable for the relevant period shall be recovered from the bills as certified by the Engineer.</p> <p>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 &amp; 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.</p> <p>An amount equivalent to maximum penalty leviable by Regional provident Fund Commissioner for the delayed period under the provisions of EPF &amp; 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.</p>
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37.2.1 i) The contractor shall have to pay welfare allowance (earlier known as SMA, ASMA) towards fuel charges, food, milk, tiffin, coconut water, washing allowance etc., @ Rs. 80.76 ps. per day of actual attendance of each worker deployed in the contract not exceeding Rs. 2100/- per month in addition to the wages as indicated in the minimum wages clause of special conditions of contract. The contractor will submit his claim with proof of such payment made in this connection in the RA bill and the same amount will be reimbursed / paid to him..

ii) It may be noted that the payment of welfare allowance is towards the expenditure incurred by the contract labour towards fuel charges, , coconut water allowance, Washing allowance, food/milk/Tiffin allowance .

iii) 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.

iv) 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 Mines Act and relieve the FEMALE WORKERS from their work site within the restricted working hours prescribed therein the Act.

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 below :

S.No.	Component	Recovery amount per Labour per every WORKING DAY (in Rupees)			To be released when
		UN-SKILLED	SEMI-SKILLED	SKILLED	
01	Notice pay	25.23	28.57	33.47	After the Contractor makes payment to the

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02	<i>Retrenchment compensation</i>	12.61	14.29	16.73	workmen in the presence of <i>Engineer I/c and CLC representatives</i> . A certificate to this effect is to be enclosed with pre-final bill. <i>(to be paid with pre-final bill)</i>
03	<i>Leave with wages</i>	15.52	17.58	20.59	
<i>Sub-total</i>		53.36	60.44	70.79	
04	<i>Bonus</i>	11.55	11.55	11.55	After the Contractor makes payment to the workmen in the presence of <i>Engineer I/c and CLC representatives</i> . A certificate to this effect is to be enclosed with RA bill / pre-final bill. <i>(to be paid with RA bill / pre-final bill as and when paid by the Contractor)</i>
<i>Grand total (To be paid to the Labourer)</i>		64.91	71.99	82.34	
<i>10% toward profit and overheads of Contractor</i>		6.49	7.20	8.23	
<i>Total recovery amount</i>		71.40	79.19	90.57	

## NOTE

*i The above recovery rates are effective from 01.10.2015. 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 components is to be made to the workmen based on effective wages of last drawn pay.*

## 42. CLAUSES CONCERNING CENVAT AGAINST EXCISE DUTY:

- a) The tenderer shall specify the percentage of CENVAT benefit on quoted price for which they shall furnish the duty paying documents.
- b) 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.
- c) 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.
- d) 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.
- e) 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.
- f) 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.
- g) 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.

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

44. RINL reserves the right to reject the offers of tenderers whose performance is poor in awarded / ongoing works if any.



**Name of work : Operation & maintenance dry fog based dust suppression System at Madharam Dolomite Mines.**

**Tender No.: VSP/Mines-13/2015-16 Dt. 17.05.2016**

**Scope of work**

**I. Operation of ADS system:**

For operation of ADS system at Madharam Dolomite Mines, Visakhapatnam Steel Plant, Madharam, deployment in three shifts shall be taken place without fail on all working days of MDM , Only Sunday is holiday for operation of the plant.

During operation of the system, fog and mist quality shall be checked at all application points in the plant and wagon loading system. Water level in water tank shall be monitored continuously. If any problems in the system occur during the operation of the system, they shall be rectified immediately and work according to requirement of Engineer-in-charge of the system.

**II. Maintenance of ADS system:**

**Details of maintenance required:**

The following maintenance work is involved in maintenance of the ADS system item wise:

**1. Air compressor, make of Atlas copco, Model: GA 55.**

The following system of the compressor shall be covered under the AMC.

1. Air flow system
2. Oil system
3. Cooling and condensate drain systems
4. Unloading/ loading system
5. Control system consisting of electronic regulator and a control panel
6. Regulator compressing the load/unload pressure switch
7. Air drying system
8. Electrical and electronic system
9. Safety systems
10. Compressor element
11. Fan motor and drive motor.

Daily cleaning the deposits on the compressor body / enclosure shall be taken place.

AMC should include inspection and reporting, routine maintenance, preventive maintenance, repair/replacement of damaged/worn out and overhauling if required of all the systems mentioned above.

**2. Air receiver;**

- i. Opening of drain valve/moisture trap daily.
- ii. Checking of air pressure and replacement of pressure gauge if necessary.
- iii. Painting of air receiver yearly.

**3. Water tank.**

- i. Checking of float valve daily. Replacement / repair as and when required
- ii. Cleaning of tank monthly and Painting yearly once.

**4. Duplex filter**

- i. Cleaning of duplex filter monthly

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- ii. Cleaning of mesh condition and replacement monthly, Replacement as and when required.
5. Water plumps:
  - i. Checking and preventing gland leakages daily.
  - ii. .Checking of coupling condition and alignment daily. Necessary repair / replacement as and when required.
  - iii. Carrying out PPM (Periodical preventive maintenance) monthly.
  - iv. Replacement of spares as and when required
  - v. Repair/replacement of all valves connected to plump
6. Hydro-Pneumatic control panel:
  - i. Checking daily, taking up repairs of flow control boxes and its components of respective application points.
  - ii. Checking all solenoid valves, pressure regulators of air and water daily.
  - iii. Repair / replacement of solenoid valves, pressure regulators repair/replacement
  - iv. Arresting leakage from solenoid valves , pressure regulators and connecting piping system as and when required.
  - v. Brazing /welding of pipes as and when required.
  - vi. Checking inlet boll valve for air, replacement/repair as and when required.
  - vii. Check the leakages in nozzle distribution manifold for air and water. Repair/replacement as and when required.
  - viii. Checking the condition of piping system of compressed air and water daily.
  - ix. Arresting leakage from regulators and connecting pliping system and taking up repair/replacement as and when required.
  - x. Checking, taking up periodical maintenance and repair to the other parts of the Hydro Pneumatic control panel like filters, strainers etc., as and when required.
7. Nozzles:
  - i. Checking quantity and quality of fog visually daily.
  - ii. Repair of nozzles in the case of chocking of dripping of water by replacing O ring, resonator as and when required.
  - iii. Replaceme4nt of nozzles if damaged, as and when required.
  - iv. Brazing / Welding of pipes and nozzles as and when required
8. Under belt zero speed switch:

Checking the UBZSS daily and repair/replacement as and when required
9. Pressure switch:

Checking pressure switch daily and repair/replacement as and when required.

AMC should include inspection ad reporting, maintenance, preventive maintenance repair/replacement of damaged/worn out and overhauling if required of all the subsystems mentioned above.

Agency is required to assess probable spares required for maintenance and provide the list to VSP for prior procurement of the spares.
- III The agency has to deploy man power as per the directions of Engineer.



*Name of work : Operation & maintenance dry fog based dust suppression System at Madharam Dolomite Mines.*

**Tender No.: VSP/Mines-13/2015-16 Dt. 17.05.2016**

**TERMS AND CONDITIONS**

1. The agency shall deploy only experienced competent highly skilled personnel in all 3 shifts for effectively maintaining and operating the Dry Fog System. The personnel shall be acceptable to the Engineer In charge.
2. In addition to operation and maintenance of the system the agency shall take care of any trouble shooting there off.
3. The agency shall monitor the quality of dry fog at all application points to ensure that the fugitive dust emissions and moisture addition is within the prescribed norms. The agency shall ensure that the effective operation of all water nozzles in the wagon loading section and also in the ore handling plant.
4. The agency shall check for all leakages and damages in the flexible conduits and ensure that the respective flow control boxes at each application point and all of its components is in good working order.
5. They shall ensure the smooth operation of all valves, strainers, hardware and monitor the pressure of both water and air at each application point.
6. Shall monitor the performance of air compressors. Water pumps and ensure smooth operation of the same Agency shall arrange for servicing. Periodical maintenance and overhauling of the Air compressors. Pumps and motors. In particular the Atlas Copco make GA 55 model Air compressor unit shall be serviced at least once in a month by the authorized vendor of M/s Atlas Copco and this is to be complied necessarily.
7. The Dry Fog system is critical unit interlocked with the Ore Handling Plant and thus it is necessary to ensure 100% availability of the system and the agency shall take all possible measures of continuous operation of the system and to avoid any unforeseen and unplanned failure of the system.
8. The agency shall maintain all related log books, records on daily basis in all three shifts the data related to operation and maintenance of the dry fog system and all related accessories/equipment. The maintenance history shall be recorded in chronological order and shall be put up to the Engineer incharge on daily basis.
9. The agency shall inform the requirement of spares/consumables well in advance to enable the VSP procure them and ensure that the plant does not stop in this context.
10. The agency shall undertake and arrange for operation. Periodical preventive maintenance day to day running repairs and maintenance servicing of major parts, all repairs trouble shooting thereof of the Air Compressors , Pump Values Fog nozzles and water nozzles, flow control

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boxes all motors, flexible conduits and related electrical systems of the complete dry fog based agglomerated dust suppression system installed at Madharam. The repairs/major maintenance and servicing of compressors, pumps etc shall be arranged by their vendors as per the need and also to avert any unplanned breakdown.

11. All spare parts. Consumables. Electricity, water, gas welding equipment etc will be provided by VSP free of cost as per the requirement. All special tools and tackles are to be arranged by the agency for proper performance and monitoring of the system.
12. Gate passes will be provided to the contractor's personnel as per VSP procedures whereas personnel protective wear (helmets, shoes etc.) will be arranged by the contractor.
13. The General conditions of the contracts if of VSP are applicable to the agency. The agency shall comply with the statute relevant to payment of minimum wages. PF Act, Workmen's compensation Act and shall make arrangements for insurance coverage of the workmen employed by the agency as per VSP stipulations.
14. All fast moving spares and consumables would be procured by VSP and would be handed over to the site representatives as and when required.
15. VSP will do periodical dust concentration measurements and ambient air quality monitoring to monitor the performance of the Dry Fog System.
16. Proper housekeeping/cleaning of application areas , repair of all 3enclosures are in the scope of VSP.
17. The system availability and effective operation is the essence of the Contra ct. The contractor shall ensure that the Dry Fog System availability of 95% and shall be operated efficiently and effectively. The downtime of the system renders the crushing plant inoperable. The downtime of the system renders the crushing plant inoperable. The agency shall foresee all likely defects/failures and make appropriate arrangements for averting system failures.



## **BILL OF QUANTITIES**

Name of work : Operation & maintenance dry fog based dust suppression System at Madharam Dolomite Mines.

Tender No.: VSP/Mines-13/2015-16 Dt. 17.05.2016

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Rate</b>	<b>Quantity</b>	<b>Amount</b>
<b>1.</b>	Operation & maintenance of Dry fog based agglomerative Dust suppression system installed at Madharam Dolomite Mine in all shifts on all working days including Holidays as per the requirement, Scope of work, terms and conditions and directions of the Engineer.	<b>Per Month</b>	<b>51737.48</b>	<b>12</b>	<b>620849.76</b>
<b>2</b>	Arranging for servicing / repairs / maintenance of Atlas Copco make GD 55 Air Compressor (2 Nos.) by Authorized service centers of M/s Atlas Copco.	<b>Number</b>	<b>4295.07</b>	<b>12</b>	<b>51540.84</b>
				<b>TOTAL</b>	<b>672390.60</b>

**(Rupees Six Lakhs seventy Two Thousand Three Hundred Ninety and paise Sixty only)**



**RASHTRIYA ISPAT NIGAM LIMITED  
VISAKHAPATNAM STEEL PLANT  
MINES DEPARTMENT  
BILL OF QUANTITIES (BOQ)**

Name of the Work:- *Operation & maintenance of Dry fog based dust suppression system at Madharam Dolomite Mines.*

Tender No.: VSP/Mines-13/2015-16 Dt. 17.05.2016

1. The quantities indicated in are approximate and may vary to a wide range. Payment shall be made as per the actual work carried out at corresponding accepted rate.
2. Where ever 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 (₹)
	As per the detailed Bill of Quantities enclosed in 1 (One page)	Estimated Value : (Rupees Six Lakhs seventy Two Thousand Three Hundred Ninety and paise Sixty only)			672390.60

TOTAL AMOUNT QUOTED IN FIGURES: (Rs) \_\_\_\_\_

TOTAL AMOUNT QUOTED IN WORDS: (Rs) \_\_\_\_\_

- 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.

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 BELOW. 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:

**SCOPE OF WORK : ( GENERAL)**

	Unskilled Worker	Semi-skilled worker	Skilled worker
RINL / VSP APPROVED RATE (IN RUPEES)	485.75	546.05	634.15
MINIMUM WAGES AS NOTIFIED BY THE RLC (CENTRAL) HYDERABAD ( IN RUPEES)	294.00	333.00	390.00