

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:
“REPAIR & MAINTENANCE OF DATA COM NETWORK”.

TENDER NO: 75621-0

PERIOD OF CONTRACT : **12 (Twelve) months**
DEFECT LIABILITY PERIOD : **03 (Three) months**
ENGINEER : **DGM / Telecom**
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 : **29 (TWENTY NINE) 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/Telecom/75621-0/OT/2015- 16 Dt: 30.01.2016

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:

Tender No: _____ **Name of the work** _____

75621-0 “REPAIR & MAINTENANCE OF DATACOM NETWORK”.

- Note :**
1. Agencies having experience in “Installation or Repair or Maintenance of LAN network comprising of BOQ items related to OFC cabling, UTP cabling and associated LAN accessories” shall only be considered..
 2. Welfare allowance is applicable for this work.

Tender Number	Cost of Tender Document (Non-refundable)		Eligibility/ experience requirements		Earnest Money Deposit (Rs.)
	By hand (Rs.)	By download (Rs.)	Value of single similar work executed (Rs. in Lakhs)	Annual Turn over (Rs. In Lakhs)	
75621-0	800/-	800/-	12.59	7.55	37,500/-

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 ALONG WITH 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: **31-12-2015** 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 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 and duties, but excluding Service Tax with certification of satisfactory performance of the Contractor to that extent and continuance of the said work by the respective employer** (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 Rs.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.

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) l/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

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

- 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/alterd/ 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 16.02.2016**
- 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 15.02.2016**
- 7.0. Tenders will be received in the office of Dy General Manager (Works Contracts) I/c, **up to 03.00 PM on 16.02.2016 and Envelope-1 will be opened immediately there after.**
- 8.0 VSP after opening of tender/bid document may seek in writing, documents/clarifications which are necessary for evaluation of tender/bid document from the Tenderers/bidders or issuing authority for confirmation of eligibility/pre-qualification stipulated in the NIT.
- 9.0 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 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**
- 10.0 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).
- 11.0 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.**
- 12.0 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. 75621-0**Name of the Work : “REPAIR & MAINTENANCE OF DATACOM NETWORK”.**

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.

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

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) **EXEMPTIONS / PREFERENCES FOR MICRO AND SMALL ENTERPRISES:**
1. Micro and Small Enterprises (MSEs) are exempted from submission of Cost of Tender Documents / Tender Processing Fee (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 proof of enlistment / registration with any of the following agencies:
 - (i) District Industries Centre [Acknowledge of Entrepreneur Memorandum ie., EM (Part-II)].
 - (ii) Khadi and Village Industries Commission
 - (iii) Khadi and Village Industries Board
 - (iv) Coil Board
 - (v) National Small Industries Corporation (NSIC)
 - (vi) Directorate of Handicrafts Handloom
 - (vii) Any other body specified by Ministry of MSME

Note:

 - (a) Tender documents are uploaded in the websites (www.vizagsteel.com; www.pubtenders.gov.in; <http://eprocure.gov.in>) and are to be down loaded from there only.
 - (b) The Micro and Small Enterprises registered for the particular trade/items for which the tender is relevant, would only be eligible for exemption.
 - (c) As regards Security Deposit (SD) exemption, the MSEs shall be required to submit a "Performance Guarantee Bond" of requisite value in the prescribed pro-forma in lieu of Security Deposit. It may be noted that waiver of SD is permitted only up to the monetary limit as specified in the proof of enlistment for which the unit is registered.
 2. Preference to MSEs shall be considered under the following conditions:
 - (i) When the work is to be awarded to more than one tenderer, as stated in NIT.
 - (ii) In such cases the package size / value is pre-decided and indicated in the NIT.
 - (iii) MSEs shall have valid enlistment / registration with specified agencies (as above), in relevant category. The successful tenderer should ensure that the same is valid till the end of the contract period.
 - (iv) The offer / bid of MSE shall be within the price band of L1 + 15% and upon their matching with the final negotiated price of L1 (L1 being other than MSE).

On fulfilling the above conditions, the eligible MSEs shall be considered for award of the rest of the package(s) (after negotiating the final L1 price) of aggregate value not less than 20% of the total tendered value, in the order of their ranking in the bid. In case there are more than one eligible MSEs with one or more owned by scheduled caste and scheduled tribe entrepreneurs, package (s) not less than 4% of the tendered value shall be considered for awarding to MSEs owned by SC and ST Entrepreneurs. The preferential award of work shall cease once the limit of 20% of tendered value is attained. Further allotment / award would be based on inter-se ranking of the rest of the tenderers other than who are already considered for allotment / award of package, subject to their matching with the final L1 negotiated price.
- 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

1. GENERAL : The special conditions of the contract (SCC) are complementary to and shall be read in conjunction with General Conditions of Contract (GCC) of VSP for works contracts. Scope of work, Bill of Quantities and other documents form part of the Tender Documents. In case of any conflict of meaning between SCC & GCC, provisions of SCC shall over ride the Provisions of GCC.
2. Visakhapatnam Steel Plant reserves the right to accept or reject the lowest or any other tender without assigning any reason and the work may be awarded to one of the Tenderers or to more than one tenderer.
3. The contract shall be treated as having been entered into from the date of issue of the letter of intent/work order to the successful tenderer, unless otherwise specified.
4. WATER, POWER AND COMPRESSED AIR: Unless otherwise specified to the contrary in the tender schedule, the contractor is entitled to use in the work such supplies of water, power and compressed air (Basing on availability) from VSP's sources from approved tapping points, free of cost. The contractor shall make his own arrangement for drawing the same to the work spot.
5. The successful tenderer shall produce Registration Certificate under APVAT Act, wherever applicable, before signing the Work Order / Letter of Acceptance and submit a copy of the same.
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 exgratia 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.

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

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/ MSEs shall be required to submit a "Performance Guarantee Bond" of requisite value in the prescribed proforma in lieu of Security Deposit covering the period of contract + defect liability period + 6 months (Claim period). It may be noted that waiver of Security Deposit is permitted only up to the monetary limit as specified in the proof of enlistment for which the unit is registered for MSEs.
17. Recovery of income tax at source will be made from contractor's bill and deposited with Income Tax Department as per rules. Recovery of sales tax applicable shall be made from the contractor's bills.
18. SAFETY:
 - a) The contractor and his workers must strictly take all safety precautions and shall supply to his workers dependable safety appliances like hand gloves, safety boots, safety belt, safety helmets, duster cloth, dust mask/nostril filter etc. In addition to this, contractor shall also provide additional safety appliances as per requirement and follow safe working practices like using fully insulated electrode holders etc. He shall also ensure that his workmen intelligently use only dependable safety appliances supplied to them.
 - b) The contractor shall take adequate safety precaution to prevent accidents at site. The contractor shall also ensure that his employees observe the statutory safety rules and regulations and also those laid down by the employer from time to time and promptly submit report of accident and state the measures taken by him to prevent their recurrence and also keep the employer indemnified of all claims arising out of such accidents.
 - c) No Workmen shall be engaged on the work without proper safety induction and without using required PPE. Use of safety helmet and shoe is must excepting in painting works where shoe will not be used.
 - d) All the safety appliances required for safe working as decided by SED/Contract operating department shall be provided by the contractor to his workmen.
 - e) Clearance to start the job will be obtained by the contractor in form 'A&B' before start of work. The forms may be obtained from the dept. concerned.
 - f) Works at height cannot be started without clearance from Zonal Safety Officer. The workers engaged for work at height shall possess height pass from SED. The names of workmen working at height or in hazardous areas will be written on the body of form "B".
 - g) Contravention of any safety regulation of VSP in vogue from time to time will result into work stoppage, levying penalties and ultimately in contract termination. The list of safety violations category wise are as follows:

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

- I. Category-I of Safety Violations:
Penalty amount: First offence Rs. 100/-, 2nd or subsequent offences Rs.300/-

- (1) Occasional violation of not wearing crash helmet;
- (2) Driver of two wheeler carrying more than one pillion rider;
- (3) Wrong parking of vehicle.

- II. Category-II of Safety Violations (Minor Violations):

Penalty amount: 1st violation Rs.2500/-, 2nd violation Rs.10,000/-, 3rd & subsequent violations Rs.20,000/-

- (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 plug;
- (7) Fitness certification 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 (double body earthing) not done;
- (15) Gas hose pipe clamping done by wires;
- (16) LPG cylinder date expiry/over;
- (17) Loading/unloading of cylinder – cushion not given;
- (18) Condition of hose pipe not good;
- (19) Working with leaking cylinder;
- (20) Using non-power cable instead of welding cable;
- (21) Working without work permit/shut down;
- (22) Not putting red flags/stoppers;
- (23) Dismantling of structure without authorized plan;
- (24) Unauthorized Oxygen/Nitrogen tapping;
- (25) Not having proper gate passes/other area passes;
- (26) Use of damaged slings/tools/ropes;
- (27) Use of hand grinders/mixer machines without guard;
- (28) Not reporting of accident;
- (29) Taking shelter behind Electrical panel;
- (30) Driving of heavy vehicles on the road during restricted hour;
- (31) Truck side panel Broken/Not Ok;
- (32) Dropping/Spillage of material on the road;
- (33) No number plate on vehicle;
- (34) No indicator light/brake light on vehicles;
- (35) Driving Dangerously;
- (36) Overloading of vehicles beyond CC weight;
- (37) Racing and trials of speed, overtaking heavy vehicles;
- (38) Moving vehicles in unauthorized restricted routes;
- (39) Talking with cell-phone while driving;
- (40) Truck carrying powdery material without Tarpaulin;
- (41) Vehicles without Red flags/Red lights, side-guards & Donnage;
- (42) Stock protruding out of the truck body;

- III. Category-III of Safety Violations (Major Violations):

Penalty amount: 1st violation Rs.7,500/-, 2nd & subsequent violations Rs.15,000/-

- (1) Using bamboo or other non standard material for scaffolding;

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

- (2) Railing not given at platforms or opening of floor;
- (3) Scaffolding planks not tied properly;
- (4) Throwing/dropping of material from height;
- (5) Proper ladder/approach not given for working at height;
- (6) Walkway/Cross over not provided;
- (7) No barricading of excavated pits;
- (8) No top cover on power distribution board;
- (9) Sleeping under truck;
- (10) Absence of Supervisor at height-works, confined space jobs and other hazardous jobs;
- (11) Welding screen/Face shield, welder gloves not used;
- (12) Driving vehicles without valid driving licence;
- (13) Driving by an Drunken person.

IV. Category-IV of Safety Violations (High-Risk Violations): Penalty amount: Rs. 15,000/-

- (1) Failure to use Full body harness with double lanyard;
- (2) Life line of Full body harness not anchored;
- (3) Floor opening left unguarded in the area of work;
- (4) Working at roof without daily permit;
- (5) Working in confined space without Confined-space work-permit;
- (6) Violation of electrical shutdown/PTW;
- (7) Violation of HOT work permit system

V. Category-V of Safety Violations: (The penalties will be imposed on agency in case the reasons to the accidents are attributable to the agency).

- (1) **Serious injuries and permanent disabilities** - Penalty amount: Rs. 1,00,000/- or 2.5% of contract value whichever is less;
- (2) **Fatal accident cases** - Penalty amount: Rs. 2,00,000/- or 10% of contract value whichever is less.

- (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.

- h) "The contractor shall ensure that the Welders and Gas Cutters wear cotton dress and leather apron. They shall not wear nylon/synthetic dress. This is required to avoid any fire accident. This must be followed strictly".

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

19. SHUTDOWNS:
 - A) Necessary shutdowns will be arranged by VSP to the contractor for carrying out the work based on requirement. No claims on account of delayed/prolonged shutdown will be entertained.
 - B) The works assigned to the contractor by the Engineer from time to time shall be completed within the time schedule fixed by the Engineer in each case, within the approved shut down period.
20. LABOUR DEPLOYMENT:
 - A) The contractor shall deploy his labour as per requirement and as instructed by the Engineer. It may be necessary to carryout the work round the clock based on requirement and shutdown provided. The contractor's rate shall cover such eventualities.
 - B) Only trained, experienced, safety inducted workers acceptable to the Engineer shall be engaged on this work, work shall be executed as per specifications to the satisfaction of the Engineer.
 - C) As and when need arises in the Annual works from time to time either for extra requirement of work or as a replacement in running contracts or a contract commencing for the first time, the contractor shall ensure that Displaced Persons (DPs) are engaged in unskilled category of workers to the extent of 50% (fifty percent). The contractor shall contract the Engineer-in-charge for this purpose.
 - D) 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.

RINL VIGILANCE TOLL FREE NO. 1800 425 8878

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 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 ALC (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 prepared) Weighted average of 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, Govt. of Andhra Pradesh, Hyderabad) for that contract as per present man days of different categories for the billing period.

Computation of X and Xo & L:

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

$$X_o = \frac{(a \times USR_o + b \times SSR_o + c \times SKR_o)}{(a+b+c)}$$

$$L = \frac{(a \times USR_o + b \times SSR_o + c \times SKR_o)}{W}$$

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 VSP approved Rate for USW at the time of billing
- SSR= Revised VSP approved Rate for SSW at the time of billing
- SKR= Revised VSP approved Rate for SKW at the time of billing

- USRo= VSP approved Rate for USW indicated based on which the Estimate of work was prepared,
- SSRo= VSP approved Rate for SSW indicated based on which the Estimate of work was prepared,
- SKRo= VSP approved Rate for SKW indicated based on which the Estimate of work was prepared,

(The above escalation shall be independent of the award percentage whether positive or negative)

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 `11.54ps as per working day per workman per category. Wages with ad-hoc amount to the workmen should be paid on or before the 7th of the subsequent month. If 7th falls on a holiday or weekly off day, the payment should be made one day prior to that. Payment of PF for the month, both the employer's (in this case contractor) and employee's (in this case workmen employed by the contractor) contributions should be deposited in the bank in the permanent PF code number and challan obtained before the 15th of the subsequent month and forwarded to the Engineer". In case of failure of the contractor to comply with any of the above, the following action will be taken by VSP.*

- 1a) Lapse ————Payment of wages at rates less than those notified under the minimum wages.
Action by VSP ————An amount equivalent to the differential amount between wages to be paid under minimum wages notification of the Government applicable for the period less actual wages paid shall be recovered from the bills as certified by the engineer.
- b) Lapse ————Non payment of adhoc amount
Action by VSP ————An amount equivalent to actual payable towards adhoc amount to the workmen engaged for relevant period shall be recovered from the bills as certified by the Engr.
- 2) Lapse ————Non payment of wages
Action by VSP ————An amount equivalent to wages payable by the contractor applicable for the relevant period shall be recovered from the bills as certified by the Engineer.
- 3) Lapse ————Non payment of PF
Action by VSP ————Recovery of PF amount and an amount equivalent to maximum penalty leviable by Regional Provident Fund Commissioner for the delayed period under the provisions of ERP & MP Act and Rules for delayed remittance of PF contributions (both the employee's and employer's contribution), shall be recovered from the bills of contractor as certified by Engineer.
- 4) Lapse ————Delayed payment of PF
Action by VSP ————Regional provident Fund Commissioner for the delayed period under the provisions of EPF & MP Act and rules for delayed remittance of PF contributions (both the employee's and employer's contribution), shall be recovered from the bills of the contractor as certified by Engineer.

37.2. The contractor shall have to pay WELFARE ALLOWANCE (earlier known as SMA, ASMA) towards fuel charges, food, milk, tiffin, coconut water, washing allowance etc @ `80.76ps 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.

37.2.1. It may be noted that the payment of WELFARE ALLOWANCE is towards the expenditure incurred by the contract labour towards Fuel Charge, Coconut Water Allowance, Washing Allowance, Food/Milk/Tiffin Allowance.

37.2.3. 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.

- 37.3. (a) **Penalty for delayed payment / non-payment of wages:**
If the contractor fails to pay wages within the stipulated time ie., by 7th working day of the subsequent month, a penalty up to 1% of the gross wages (Basic, DA & Over time (if any) except Adhoc, SMA, ASMA and other allowances) of the workers will be levied for every day of lapse subject to a maximum of 10% in any calendar month. This is without prejudice to appropriate action against the contractor including debarring, in case of perpetual / habitual default”.
- (b) **Payment of wages through banks:**
The contractor shall pay wages not less than the minimum wages notified by the appropriate Government from time to time to the workers deployed by him. The payment shall be made on the due dates either by way of crossed cheques or crediting the wages to the bank accounts of the concerned contract workers. Proof of such payment shall be submitted by the contractor to the Engineer Incharge by 10th of the subsequent calendar month.
38. The contract period can be extended at the discretion of V.S.P. up to 04 (Four) months at the existing Rates, Terms and conditions and the Contractor shall be bound to execute the work accordingly and the offer of the Contractor is deemed to include this aspect.
39. The tenderers shall note that in case of quoting above the Estimated Value of V.S.P. the L-1 party shall furnish logical / satisfactory explanation which V.S.P. may seek if felt necessary for quoting such high rates. If the explanation offered by the L-1 party is not acceptable to V.S.P., the L-1 party may be recommended for disqualification while retendering the work.
40. The contractor should clearly understand and comply with the Factories Act 1948 and relieve the FEMALE WORKERS from their work site within the restricted working hours prescribed therein under section 66(b).

41. The following deductions per workman deployed category-wise shall be made from the bills/amounts due to the contractor as applicable for the work done and such deducted amounts shall be released as mentioned below:

- 1) Component ——— Notice pay
Recovery amount per labour per every working day —
USK —Rs.23.68ps, SSK —Rs.26.77ps, SK —Rs.31.49ps
- 2) Component ——— Retrenchment compensation
Recovery amount per labour per every working day —
USK —Rs.11.84ps, SSK —Rs.13.39ps, SK —Rs.15.75ps
- 3) Component ——— Leave with wages
Recovery amount per labour per every working day
USK —Rs.14.57ps, SSK —Rs.16.48ps, SK —Rs.19.38ps

To be released when ——— After the contractor makes payment to the work men in the presence of Engineer Incharge and CLC representatives, a certificate to this effect is to be enclosed with pre-final bill (to be paid with pre-final bill).

Sub-total ———
USK —Rs.50.09ps, SSK —Rs.56.64ps, SK —Rs.66.62ps

- 4) Component ——— Bonus
Recovery amount per labour per every working day
USK —Rs.11.55ps, SSK —Rs.11.55ps, SK —Rs.11.55ps

To be released when ——— After the contractor makes the payment to the workmen in the presence of Engineer Incharge and CLC representatives, a certificate to this effect is to be enclosed with RA bill / pre-final bill (to be paid with RA bill / pre-final bill as and when paid by the contractor).

GRAND TOTAL

USK —Rs.61.64ps, SSK —Rs.68.19ps, SK —Rs.78.17ps

10% towards profit and over heads of contractor
USK —Rs.06.16ps, SSK —Rs.06.82ps, SK —Rs.07.82ps
Total recovery amount
USK —Rs.67.80ps, SSK —Rs.75.01ps, SK —Rs.85.99ps

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) Vendor Code :
- (2) Option : RTGS / EFT
- (3) Beneficiary Details
- a) Name of Beneficiary (Max.35 characters) :
- b) Bank Name (Max. 35 characters) :
- c) Branch Name (Max. 35 characters) :
- d) Account Number (Max. 35 characters) :
- e) Account type (Max. 35 characters) :
(Savings / Current / Overdraft) [Mention Code No. also]
- f) Beneficiary Bank's IFSC Code (Max. 11 characters):
(For RTGS Mode only)
- g) Beneficiary Bank's MICR Code (Max.09 characters):
(For EFT Mode only)

(Signature of the Party / Contractor)

Name:

Desgn:

CERTIFICATE

Certified that the above particulars are found to be correct and matching with our records in respect of the above beneficiary.

Sd/-.....

(Signature of Branch Manager)

Name :

Seal of Bank :

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

SCOPE OF WORK**Work Desc : Repair & Maintenance of Data com network**

Cond No	Cond Desc
1	<p>GENERAL :</p> <p>This specification covers repair and maintenance of datacom Network in plant and township of Visakhapatnam Steel Plant (VSP).</p>
2	<p>STANDARDS :</p> <p>1)The equipment and accessories covered in this specification shall be installed, tested & commissioned in compliance with the relevant Gigabit Ethernet LAN standards conforming to Cat.6, Cat.6a and TIA/EIA 568A/B, 2-1, ISO/IEC 11801, EN 50173 , AS/NZS 3080: 2004 standards. Shall support class E applications, ISO/IEC 8802.3 standards. They shall also conform to the relevant standards of the Indian Standards Institution, wherever available, so that the specified aspects under Indian Conditions are taken care of.</p> <p>2)All electrical equipment shall conform to the latest Indian Electricity Rules as regards safety, earthing and other essential provisions specified therein for installation and operation of electrical equipment and plants.</p> <p>3)All Equipment and installation shall comply with relevant statutory requirements of the Government of India and the Government of Andhra Pradesh.</p>
3	<p>TOOLS AND TACKLES :</p> <p>The tenderer shall bring all tools, tackles and accessories required for maintenance, installation, testing and commissioning of the datacom network including special equipments like OTDR, Level III test equipments, OFC fusion splicing machine, network multimeters, UTP cable testers, wireless bridge/link related equipments, VFL , optical power meter, power source, splicing kits, power equipments, etc., for the above jobs etc.</p>
4	<p>GUARANTEE :</p> <p>All equipment shall be guaranteed for workmanship and satisfactory performance in accordance with relevant clauses of General Condition of Contract and special conditions of the contract. The guarantee for smooth, trouble free and satisfactory operation shall cover individual items as well as the total OFC network as a whole.</p>
5	<p>TECHNICAL SPECIFICATIONS:</p> <p>GENERAL:</p> <p>a)The contract envisages repair and maintenance of the Plant's OFC based 10G, Gigabit Ethernet LAN of VSP.</p> <p>b)The scope of work involves: Each node on the network shall be demonstrated for connectivity with the existing PC. Wherever PC is not available, the network connectivity shall be demonstrated using tenderer's</p>

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

laptop/network multimeter.

c)The scope shall include supply and installation of all accessories and materials including clamping arrangements, sundry civil materials, carpentry works etc (other than the ones listed in the BOQ), required for completion of the contract.

d)All equipments/ cables / cores / patch cords / patch panels etc., are to be properly labelled and provided suitable identification as per structured cabling standards. In the cable trench where SMF/MMF cables are laid, cable tags are to be provided at 50 mtrs. intervals, both ends of road crossing pipes, at junctions and at terminations.

e)The tenderer shall deploy adequate number of technical persons during execution of the maintenance work and also for testing activities.

6 ITEM-WISE TECHNICAL SPECIFICATIONS AS PER BOQ (INSTALLATION):

BOQ NO.1) Cat.5e UTP cable :

a)Shall be laid in GI conduits or in PVC pipes / PVC Casing & cappings as per requirement.

b)Shall have no joints between network Switch rack to Wall outlet.

BOQ NO.2)Cat.6 UTP cable :

a)Shall be laid in GI conduits or in PVC pipes / PVC Casing & cappings as per requirement.

b)Shall have no joints between network Switch rack to Wall outlet.

BOQ NO.3)Wall Mounted Information Outlets (Cat.6) :

a)Wall outlet including deep back box shall be fixed on the wall with the screws at the end of the PVC casing-capping /GI pipe/PVC pipe and UTP cable be laid into the box.

b)UTP cable is to be properly cut, sleeve stripped and wires crimped in the RJ 45 modular jacks (with suitable crimping tool) provided behind the face plate as per TIA/EIA 568 A/B standards with sufficient loop cable inside the box.

7 BOQ NO.4) PVC PIPE/CONDUIT :

a)Shall be of a standard IS approved make.

b)Pipe shall be of 25mm diameter.

c)Shall be used for laying indoor OFC, UTP and telephone cables as required.

d)Shall include all accessories like clamps, saddles, L Bends, T bends, Pull boxes, screws, plugs etc.

e)Wherever false ceiling / flooring is involved, the covers are to be opened and after the conduiting / cabling works, they are to be repositioned / refixed properly.

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

BOQ NO.s 5&6) Cable Route / OFC Joint Markers :

- a) The cable route markers shall be of RCC block with a base of 300 mm and mile-stone shape top indicator of 100 mm thick (inverted U), 300mm breadth and 700 mm height (350 mm below and and 350 mm above the road surface level).
- b) The route marker shall be engraved with 'OFC' or 'OFC JT' and "VSP" symbols.
- c) Route markers are to be placed at 50 meters spacing along the cable trench route, both ends of road crossing pipes and at splicing joints if any.
- d) Route markers shall be painted with yellow colour base and engraved letters with red colour for identification

8

BOQ NO.7) Installation of Switch Rack/12U rack with accessories :

- a) Incomer to the power-supply board in the rack shall be drawn from a nearby power supply distribution board.
- b) 12U rack shall be mounted at a height of about 1.5 m from the floor level. The racks shall be installed by grouting and fixing at least 4 nos. of anchor type bolts on the wall. The installation shall be rigid and suitable for the total load of equipments mounted in the rack.
- c) Shall include all accessories like nuts, bolts, fasteners etc required for installing the rack and its components.
- d) All entry holes shall be sealed with cable putty after all cable termination works are completed.
- e) All cables and patch cords are to be neatly laid and dressed in the rack.
- f) Proper earthing of the rack is to be done.

BOQ NO.8) Installation of Switch Rack (6U)/ or (9U) Metal enclosure for Media converter with accessories :

- a) Incomer to the power-supply board in the rack shall be drawn from a nearby power supply distribution board.
- b) 6U rack/Metal enclosure for media converter shall be mounted at a height of about 1.5 m from the floor level. The racks shall be installed by grouting and fixing at least 4 nos. of anchor type bolts on the wall. The installation shall be rigid and suitable for the total load of equipments mounted in the rack.
- c) Shall include all accessories like nuts, bolts, fasteners etc required for installing the rack and its components.
- d) All entry holes shall be sealed with cable putty after all cable termination works are completed.
- e) All cables and patch cords are to be neatly laid and dressed in the rack.
- f) Proper earthing of the rack is to be done.

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

9	<p>BOQ NO.9) Installation of Fiber Patch Panel / LIU :</p> <p>a) Shall install the Fiber patch panel in the switch rack. Proper ferruling/labelling shall be done as per engineer instruction at both ends.</p> <p>BOQ NO.10) Installation of Cat. 6 UTP Patch Panel :</p> <p>a) Shall install the UTP patch panel and terminate all the UTP cables laid / relocated with proper dressing using 110 type or krone type termination tool in the switch rack.</p> <p>b) Proper ferruling/labelling shall be done as per engineer instruction at both ends.</p> <p>BOQ NO.11) SMF Pigtails :</p> <p>a) Shall be installed along with fusion splice protection sleeves.</p> <p>b) Shall be fusion spliced with the incoming fiber cores and properly dressed and terminated in the couplers provided on LIU.</p> <p>c) Proper ferruling/ labelling to be done as per engineer instructions at both ends.</p> <p>BOQ NO.12) OFC splice enclosure :</p> <p>a) All fiber cores are to be jointed using Optical Fiber Fusion Splicing machine and shall be properly put in jointing enclosures/housing kits conforming to the standards like ISO/IEC/EN/TEC approval no. TEC/NR/T/OJC-02/01/016. Feb-02 or latest.</p> <p>b) The spliced fiber cores shall be protected in a standard enclosure suitable for direct burial in the ground and placing in cable trays/tunnels etc.,</p> <p>c) All materials, consumables and tools/ special equipments as required for making the fiber splice joints are in the scope of the contract.</p> <p>BOQ NO.13) CASING-CAPPING:</p> <p>a) Shall use 1/2" to 1" size issued by VSP.</p> <p>b) Shall be used for laying indoor OFC, UTP and telephone cables as required.</p> <p>c) Shall include all accessories like clamps, saddles, L Bends, T bends, Pull boxes, screws, plugs etc.,</p> <p>d) Wherever false ceiling / flooring is involved, the covers are to be opened and after the casing-capping / cabling works, they are to be repositioned / refixed properly.</p>
10	<p>BOQ NO.14) Splicing of SMF/MMF cable and construction of joint pit/chamber :</p> <p>a) Shall do fusion splicing of SMF/MMF cables laid along in trenches, cable tunnels, cable galleries, etc.,</p> <p>b) Shall construct a joint pit/chamber of size 1000x1000x1000 mm size, finish with brick wall and provide a concrete(RCC) cover/slab above the</p>

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

chamber.

c) Shall keep the OFC enclosure in the pit and cover with sand upto finished ground level and close the same with RCC cover.

d) OFC joint enclosure is free issue item by VSP.

BOQ NO.15) Maintenance of Wireless bridge link :

a) The contractor shall maintain wireless bridge link up and working throughout the contract period.

b) Shall service the wireless bridge equipment and accessories quarterly (once in every 3 months).

c) Shall attend/rectify the link failure and make good of the same.

d) Shall replace/rectify the wireless bridge components like RF modems, coaxial cables, connectors, UTP cables, configuration of bridges, antenna alignment, aviation lamps, lightning arrestors for proper functioning of link. (Material shall be issued by VSP).

11 BOQ NO.16) Excavation of New Trench :

a) For new trench, the scope of the work involves excavation of earth to a depth of 1000mm +/- 10% (as per site conditions) and of width of 300mm, Sand cushioning of 150 mm is to be provided for the cable to be laid in the trench. Protective RCC slab covers of size 750x250x50 mm³ are to be provided over the sand cushioning, through out the length of the excavated trench. The tenderer shall supply all materials required for preparation of the RCC slabs like sand, blue metal, (1:2:4 ratio) and 6mm steel rods, etc., and RCC slabs shall be manufactured as per VSP standards. The dug up earth work is to be backfilled and ramming is to be done.

b) Adequate and suitable GI pipe protection is to be provided wherever the OFC cable is to be laid inside RCC slabs on bridges, entry/exit points of buildings, exposed while routing from the cable paths.

BOQ NO.17) Old Trench :

a) For old trench works, i.e. in routes where existing cables were laid, the scope of the work involves excavating the existing trench to a depth of 700mm / 1000mm / existing depth removal of the existing RCC slabs in the trench, laying of fiber cables, tagging of cables for every 50 mtrs. and placement of the slabs back in their original position and backfilling & ramming of the earth work.

b) Adequate and suitable GI pipe protection is to be provided wherever the OFC cable is to be laid inside RCC slabs on bridges, entry/exit points of buildings, exposed while routing from the cable paths.

12 BOQ NO.18) Installation of GI pipes for road crossings & Building entries (50 to 100 mm and 40 mm dia) :

a) VSP shall issue GI pipes as required for site jobs under this project.

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

- b) The usage is of 50 to 100 mm diameter for Road Crossings and 40 mm diameter for Building entries.
- c) Road crossings shall be done by laying GI pipes across the roads to facilitate cable laying through them.
- d) GI pipes shall be buried at a depth of 1000 mm from finished road level. The pipes shall be provided with a coupler, if more than one length is involved. Concrete encasing shall be provided for the laid pipe at both ends and at the coupler. The laid pipe shall be plugged with gunny / plastic covers at both ends before / after cable laying through the pipes. 6 mm G.I. wire shall be laid and kept ready for pulling cables through the pipes before they are plugged with gunny/plastic covers. The road which is cut shall be provided with concrete of 150 mm at the top layer and the road surface shall be made good.
- e) 40 mm dia GI pipes of required length shall be clamped on the wall with proper bend for allowing entry of cables coming out from the trench. Chipping of the floor for laying the GI pipe to the finished floor level to be done. Sealing of the entry/exit of the pipe on the wall with proper sealing compound to be done after laying of the cables.

- 13 BOQ NO.s 19 and 20) Installation of SMF & MMF cables :
- a) Shall be laid in trenches (of 1000 mm depth) with 100 mm sand cushioning and with protective RCC slab covers as specified.
- b) Shall be laid in cable trays/ pipes/ tunnels/ along structures as required. Necessary clamps and accessories are to be supplied and installed.
- c) Shall be provided with cable tags/ identifiers at the terminated ends.
- BOQ NO 21: IN-Line drilling / excavation of BT/RCC roads by mechanical method :
- a) Excavation underneath existing BT/RCC roads at a depth of 1000 mm for the purpose of cabling below the road surface.
- b) GI pipe / s is / are to be inserted after the job to lay OFC / other cables. The drilling hole size shall be suitable for insertion of pipes up to 100 mm dia GI pipes.
- c) The machinery used shall be of either mechanical / pneumatic / hydraulic type so as to execute in line drilling of the soft / hard / rocky soils beneath the road etc.
- d) Proper care is to be taken to avoid damages to existing cables / pipes etc, which may foul across the drilling path.
- 14 BOQ NO. 22) Installation of Cat.6a UTP cable:
- a) Shall be laid in GI conduits, PVC pipes, cable trays, cable ducts as per requirement.
- b) Shall have no joints for the laid cable between patch panel to patch

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

panel/wall outlet.

c) Shall be identified with proper ID/numbering before terminating at ends.

- | | |
|----|---|
| 15 | <p>BOQ NO.23) Installation of Cat.6a UTP patch panel:</p> <p>a) Shall install the Cat.6a UTP patch panel with necessary mounting hardware.</p> <p>b) Shall terminate/crimp the Cat.6a UTP cables laid with proper dressing using 110 type or Krone type punch down tool as per 568A/568B standards.</p> <p>c) Proper ferruling/labeling shall be done for cable/port identification.</p> |
| 16 | <p>BOQ NO.24) Installation of 24 F OFC jointing kit:</p> <p>a) All 24 fiber cores are to be jointed/spliced using Optical Fiber Fusion Splicing machine and shall be properly put in jointing enclosures/housing kits as per the installation procedure.</p> <p>b) After splicing of OFC cores inside the joint kit, all cores shall be tested for continuity.</p> <p>c) Cable entry ports, base & dome assembly shall be sealed with heat shrink sleeves provided to avoid entry of dust, moisture, insects, ants, etc.,</p> <p>d) The spliced jointing kit shall be buried in the ground in a circular pit to avoid straining the OFC cable and to maintain minimum bending radius or placing properly on cable trays/tunnels etc, as per site requirement.</p> <p>e) All materials, consumables and tools/ special equipments (e.g. splicing machine) as required for making the fiber splice joints are to be arranged by the agency.</p> |
| 17 | <p>BOQ NO.25) Installation of 24 core OFC cable:</p> <p>a) OFC cable shall be laid / pulled in existing or new trenches of depth approx. 1000 mm in straight segments, in road crossing pipes, on cable trays/ pipes/ tunnels/cable gallery/ along structures as required.</p> <p>b) Shall be laid in cable trays/ pipes/ tunnels/ along structures/walls as required. Necessary clamps and accessories are in the scope of agency.</p> <p>c) Necessary care shall be taken to avoid sharp bends & kinks to the cable while cable laying in order to maintain the minimum bending radius envisaged and OF cores failure.</p> <p>d) Shall be provided with aluminium cable tags/ identifiers at 50 mtr. Intervals along the running length, road crossings & terminated ends.</p> |
| 18 | <p>BOQ NO.26) Upkeep of OFC LAN network:</p> <p>a) To carryout maintenance, preventive maintenance/ scheduled maintenance and breakdown maintenance of the 10G Ethernet based ERP LAN network inside & outside areas of Visakhapatnam Steel Plant.</p> |

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

b) Shall carry out maintenance/upkeep support including trouble shooting, repair, rectification and upkeep of UTP & OFC passive network connectivity in different areas. Shall have experience in installation, troubleshooting, maintenance of passive LAN network.

c) The LAN Network covers LIU's / Nodes where PCs, network switches, other IT/network devices are working and the Network Equipments located in Data Centres, Zonal switch rooms, Shop Floors, Control pulpits, Equipment Rooms, Area shop offices through out the plant & township.

d) Maintenance of Network covers connectivity to the LIU' s / Nodes, connecting fibre cables, connectivity between Switches and nodes, all the patch cords, patch panels, connectors/couplers and Wall outlet boxes used for establishing the Network Connectivity.

e) Shall carry out preventive/routine/ co-ordination for the breakdown and related types of maintenance and also be involved in testing, commissioning/acceptance testing of new/existing/upgraded 10G Ethernet based ERP LAN network/Systems.

f) Shall acquaint with VSP LAN network cable routes (OFC & UTP), location of switches, network nodes based on the available cable route drawings, project documentation, VSP engineers instructions so as to identify/attend for faults easily.

g) Shall maintain and have all tools, tackles, special equipments required for trouble shooting, repair, rectification, maintenance, installation, testing of the 10G Ethernet LAN network including special tools & testing instruments/meters like OTDR, laser source & power meter (LSPM), network multimeters, UTP cable testers, Visual Fault Locators, etc.,

19 h) Shall provide maintenance/upkeep coverage on all days of VSP as per site conditions and as per VSP engineers instructions.

i) Shall carry the required maintenance equipment, tools like e.g. UTP punch down tool, RJ 45 crimping tool, fiber cores stripping tool and other maintenance, testing & measuring equipments like Visual Fault Locator, LAN tester, Network Multimeter, Fiber maintenance tool kit, LSPM, OTDR and any other specialised test instruments/meters and tools, etc., necessary for carrying out identification of OF cable cuts/damages, fault finding, rectification, preventive maintenance, fibre cores inspection/cleaning, etc, as required for upkeep of OFC and UTP LAN network.

j) Shall maintain a log book/printed call attending report sheet related to the rectification of the passive network complaint. On rectification/identification of the fault, this shall be informed to the concerned VSP Engineer. Shall submit fault rectification/preventive maintenance reports periodically to VSP.

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

20	<p>BOQ NO.27) Cleaning of OFC core / connector:</p> <p>a) OFC cores terminated with SC/ST/LC/MTRJ/FC type connectors/pig tails are to be properly cleaned.</p> <p>b) Shall trouble shoot, test the OF cores terminated in LIU's, fiber patch panels, fiber enclosures, etc.,</p> <p>c) Shall polish/clean the ceramic ferrule / tip of ST, SC and any other type connector, end face of the fiber core with lint free tissue soaked in Iso Propyl alcohol/ using fibre cleaning kit to ensure good end faces of OF connectors. Shall arrange required cleaning accessories for cleaning OFC core / connector.</p> <p>d) Fiber cores are to be visually inspected/tested using VFL, Fiber inspector, magnifier and any other special tools to identify dirty/bad/cracked/good end face of the connector. Any faults in the connector end face/core shall be made good for using the fiber cores/connectors/pig tails as per the structured cabling standards.</p>
21	<p>BOQ NO.28) Preventive maintenance of Switch Racks:</p> <p>a) Shall carry out preventive maintenance of various sizes of network switch racks and associated accessories.</p> <p>b) Shall clean the dust accumulated/settled inside the rack with cloth, vacuum cleaner/blower to avoid break downs/loose contacts of OFC & UTP connectors and network switches.</p> <p>c) Shall re-fix the 19" equipments like power strip, cable manager, fan tray, stationary shelf, UTP patch panel, fiber patch panel (LIU), network switch, etc., with proper spacing whose fixing hardware are loose or missing.</p> <p>d) Shall neatly dress/re-route the UTP and OFC patch cords from patch panel to switch ports.</p> <p>e) Shall do labeling/numbering of UTP/fiber ports on the patch panels with marker pen on the labels for cable/patch cord/port identification.</p> <p>f) Incomer to the power-supply board in the rack shall be drawn/neatly laid from a nearby power supply distribution board.</p> <p>g) Shall arrange all accessories like nuts, bolts, fasteners etc., required for installing the 19" network equipment and its components.</p> <p>h) All entry holes shall be sealed with cable putty after all cable termination/dressing works are completed.</p>
22	<p>BOQ NO.29) Repair & trouble shooting of I/O jacks:</p> <p>a) Shall open the wall outlet face plate and check visually for any physical damage, cable cut, loose contacts in the wires terminated/crimped in the I/O.</p> <p>b) Shall neatly clean the I/O terminals, cut & re-crimp the UTP cable wires</p>

SCOPE OF WORK

Work Desc : Repair & Maintenance of Data com network

using the required punch down tool as per 568A/568B structured cabling standards.

c) Shall replace the I/O in case if it is found defective and crimp the wires into new I/O and fix on to face plate and position it on to the back mount box.

d) Shall do the labeling/numbering on the UTP cable, face plate, back box as required.

e) Shall test the UTP link for connectivity using LAN tester or any other required tester.

TERMS AND CONDITIONS

WORK DESC : Repair & Maintenance of Data com network	
Cond No	Cond Desc
1	Transportation of all free issue materials from VSP central store/Telecom store to site shall be done by the contractor.
2	Arranging of required tools and tackles, safety passes including height pass and safety appliances shall be done by the contractor.
3	Fabrication and installation of required materials shall be arranged/done by the contractor.
4	If any road is excavated/damaged for laying of cables/roadcrossing pipes, repairing of the road by blacktopping or concreting shall be carried out by the contractor.
5	Testing of datacom network shall be carried out by the contractor after installation.
6	The contractor shall be available round the clock to meet the emergencies/exigencies of work.
7	The work will be supervised by the experienced workmen.
8	The work shall be executed as per the the instructions of site engineer/Engineer-in-charge.
9	The Contractor shall ensure usage of ISI marked regulators, hoses, nozzels, cutting torches, welding holders and cables for the cutting and welding workes. This must be adhered to strictly.
10	<p>The scope of materials and consumables supply in present proposal are as follows:</p> <p>a) Materials to be supplied by VSP : Supply material required for installation of BOQ Items like UTP,OFC cables, wall outlets, GI / PVC conduits, 12U / 9U / 6U racks , LIU , UTP patch panels, pig tails, fiber optic joint enclosures, casing capping, GI pipes, etc., and which are specified in BOQ, Scope of wok, Terms & Conditions.</p> <p>b) Consumables to be supplied by VSP : NIL</p> <p>c) Materials to be arranged by contractor : NIL</p> <p>d) Consumables/Accessories to be arranged by Contractor : NIL</p> <p>The deduction of sales tax shall be done as per the rules prevailing from time to time.</p>
11	Welfare Allowances like SMA & ASMA are applicable for this contract.

QUESTIONNAIRE

WORK DESC : Repair & Maintenance of Data com network	
Cond No	Cond Desc
1	The tenderer shall have single similar work experience in installation or repair or maintenance of OFC based Giga-bit Ethernet LAN network and submit the work order and work completion certificate documents. The submitted single similar work, Work order and Work completion certificate should fulfil the following criteria.
2	<p>Whether the tenderer has executed at least one work pertaining to OFC based giga-bit Ethernet LAN which covers the following:</p> <p>(a) Installation or repair or maintenance of wall outlets(I/O), UTP patch panels. (YES / NO)</p> <p>(b) Installation or repair or maintenance of network switch racks (YES / NO)</p> <p>(c) Installation or repair or maintenance of LIU, OFC joint enclosures and splicing of pig tails. (YES / NO)</p> <p>(d) Installation/Laying or repair or maintenance of UTP cables, armoured OFC cables. YES / NO)</p> <p>(e) Installation of cable route markers , trench works, cable chambers, PVC pipes, In-Line drilling etc., (YES / NO)</p> <p>(f) Testing of OFC & UTP cables with testing tools like UTP tester, OTDR, power source and power meters, etc., (YES / NO)</p>
3	<p>Whether the agency has done the installation or repair or maintenance work in a process- industry/ steel sector/ Defence/ Airport/ Sea port/ Power sector/ petroleum sector environment during the last seven(7) years ending last day of month previous to the one in which NIT is issued. If so, the tenderer shall submit copies of work order and satisfactory work completion certificate issued from the end user. (YES / NO)</p> <p>End user details where the tenderer has executed such work:</p> <p>(a) Name of company:</p> <p>(b) Type of industry / organization:</p> <p>(c) Contract person (In-charge of the work), address, phone/mobile nos, e-mail, etc.,</p>
4	Questionnaire point no 2a, 2b, 2c, 2d and 3 are fatal clauses for Technical qualification.

FORM 'C'
RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
WORKS CONTRACTS DEPARTMENT
VISAKHAPATNAM-530031PHONE NO: 0891-2518763

PRICE BID - (PART - 2)

NAME OF WORK:

“REPAIR & MAINTENANCE OF DATA COM NETWORK”.

TENDER NO: **75621-0**

PERIOD OF CONTRACT : 12 (TWELVE) Months

DEFECT LIABILITY PERIOD : 03 (THREE) Months

ENGINEER : DGM / Telecom

ISSUED TO

SRI /
M/s _____

No. of pages of BOQ alone : 02 (Two)

Total No. of pages : 04 (Four)

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

(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 DEPARTMENT REPRESENTATIVE		SIGNATURE OF FINANCE DEPARTMENT REPRESENTATIVE



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

PR No / Date: 73001326 / 05.12.2015	Report Date : 05.12.2015
Pur . Org.: WORKS CONTRACTS	
MSS: 7020213812 : RPR.&MCE. OF DATACOM NETWORK FOR 2014-15	
REPAIR & MAINTENANCE OF DATACOM NETWORK REPAIR & MAINT OF DATACOM	

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	210000180	INSTALLATION OF CAT 5E UTP CABLE	300.000	M	5.58	1,674.00
2	210000147	INSTALLATION OF CAT 6 UTP CABLE.	10,500.000	M	5.93	62,265.00
3	210000164	INSTALLATION OF WALL OUTLET FIXED WITH FACE PLATE OF RJ45 MODULER JACK ON A BACK MOUNT BOX.	350.000	EA	130.47	45,664.50
4	210000162	INSTALLATION OF 25MM DIA PVC PIPE LAYING INDOOR OFC/UTP CABLES BY PROVIDING ALL NECESSARY SADDLES,CLAMPS,BENDS ETC.	6,000.000	M	33.53	201,180.00
5	210000273	FABRICATION OF OFC CABLE ROUTE /JOINT MARKERS	100.000	EA	291.67	29,167.00
6	210000274	INSTALLATION OF OFC CABLE ROUTE /JOINT MARKERS	100.000	EA	119.76	11,976.00
7	210000160	INSTALLATION OF 24 PORT NETWORK SWITCH SUITABLE FOR INSTALLATION IN A 19 RACK.	22.000	EA	2,068.56	45,508.32
8	210000156	INSTALLATION OF METAL ENCLOSURE FOR MEDIA CONVERTERS POWER ADAPTERS,INCOMING FIBER CABLE TERIMINATION ETC ALONG WITH 3 NOS OF WIRED 5 PIN 5 AMPS AC POWER SOCKET.	20.000	EA	412.03	8,240.60
9	210000187	INSTALLATION OF 24PORT LIU WITH FULLY LOADED SM COUPLERS.	50.000	EA	598.58	29,929.00
10	210000266	INSTALLATION OF UTP PATCH PANEL(SUPPLY OF PATCH PANEL BY VSP AS FREE ITEM)	35.000	EA	445.92	15,607.20
11	210000158	INSTALLATION OF PIGTAILS FOR 9/125 MICROMETER SMF CABLES STAMDERD LENGTH INCLUDING TERIMINATION / SPLICING TO THE OUT GOING / INCOMING FIBER CABLES (SINGLE CORE)	610.000	EA	533.32	325,325.20
12	210000174	INSTALLATION OF FIBER OPTIC JOINT ENCLOSURE FOR 6 CORE SMF/MMF OPTICAL FIBER CABLES.	80.000	EA	2,686.42	214,913.60
13	210000247	INSTALLATION OF 1/2 TO 3/4 SIZE VARNISHED TEAKWOOD CASING CABIN ALONG WITH REQUIRED CLAMPS / NAILS FOR LAYING PVC CABLES.(SUPPLY OF CASING CAPING BY VSP AS FREE ISSUE ITEM)	100.000	M	7.03	703.00
14	210000262	SPLICING OF 6/12 CORE ARMoured SMF / MMF INCLUDING DIGGING AND CONSTRUCTION OF JOINT PIT / CHAMBER AND PROVIDING RCC COVER	10.000	EA	5,578.83	55,788.30
15	210000275	MAINTENANCE OF WIRELESS BRIDGE LINK AS PER SPECIFICATION	1.000	EA	50,716.67	50,716.67
16	210000230	EXCAVATION OF NEW CABLE TRENCH FOR LAYING TELEPHONE CABLES OF SIZE 300X1000MM PROVIDING SAND OF 150 MM LEVEL,RCC SLABS BACKFILLING & RAMMING OF TRENCH.(SUPPLY OF CEMENT FOR	2,500.000	M	136.37	340,925.00



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		FABRICATING THE RCC SLABS BY VSP AS FREE ISSUE ITEM)				
17	210000231	EXCAVATION OF EXISTING TELEPHONE CABLE TRENCH FOR LAYING OF CABLES OR RECTIFICATION OF CABLES, REPLACING THE DEFECTIVE RCC SLABS / BRICKS ETC AND PROVIDING SAND BACKFILLING AND RAMMING OF THE TRENCH.	4,150.000	M	69.48	288,342.00
18	210000232	INSTALLATION OF ROAD CROSSING PIPE SIZE FROM 40 TO 100MM DIA INCLUDING CUTTING THE ROAD BACKFILLING & FINISHING WITH CONCRETING OF THICKNESS 150MM.(SUPPLY OF GI PIPE BY VSP AS FREE ISSUE ITEM)	150.000	M	117.65	17,647.50
19	210000145	INSTALLATION OF 6 CORE (OUTDOOR) ARMOURED, 9/125 MICROMETER SINGLEMODE OPTICAL FIBER CABLE.	5,000.000	M	11.85	59,250.00
20	210000168	INSTALLTION OF 6 CORE (OUTDOOR TYPE) ARMOURED 62.5/125 MICRO METRE MMF CABLE.	4,000.000	M	12.01	48,040.00
21	210000258	IN-LINE DRILLING/EXCAVATION UNDERNEATH BT/RCC ROAD BY MECHANICAL METHOD AND LAYING OF ROAD CROSSING PIPES.	120.000	M	959.23	115,107.60
22	210000423	INSTLN. OF CAT.6A UTP CABLE	600.000	M	8.73	5,238.00
23	210000424	INSTLN. OF CAT.6A UTP PATCH PANEL	5.000	EA	436.34	2,181.70
24	210000425	INSTLN. OF 24F OFC JOINTING KIT	4.000	EA	5,236.07	20,944.28
25	210000426	INSTLN. OF 24 CORE OFC CABLE	300.000	M	20.94	6,282.00
26	210000427	UPKEEP OF OFC LAN NETWORK	365.000	MDY	741.78	270,749.70
27	210000428	CLEANING OF OFC CORE / CONNECTOR	1,000.000	EA	87.27	87,270.00
28	210000429	PREVENTIVE MCE. OF SWITCH RACKS	150.000	EA	872.68	130,902.00
29	210000430	REPAIR & TROUBLE SHOOTING OF I/O JACKS	300.000	EA	87.27	26,181.00
Total Value: In words : twenty five lakh seventeen thousand seven hundred nineteen rupees seventeen paise						2,517,719.17

Signature of the Tendere



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

TENDER NO: 75621-0

Name of the work :
“REPAIR & MAINTENANCE OF DATACOM NETWORK”

- 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 IN Rs.
1.	As per the detailed Bill of Quantities enclosed in 02 (Two) pages.	ESTIMATED VALUE			25,17,719.17
		(Rupees Twenty five lakhs Seventeen thousand Seven hundred Nineteen and paisa Seventeen only)			

TOTAL AMOUNT QUOTED IN FIGURES: ` .

TOTAL AMOUNT QUOTED IN WORDS: ` .

_____ **only.**

- Note:
- Tenderer shall write their quoted offer both in WORDS and FIGURES. The quoted offer in WORDS shall be in CAPITAL / BLOCK letters.
 - 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 :

	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