

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 : Operation & Maintenance of AC plants for
Telephone Exchange & CDCP of battery-4.**

TENDER NO: 76264-0

PERIOD OF CONTRACT : 12(Twelve) months
DEFECT LIABILITY PERIOD : NIL
ENGINEER : AGM(M) / ACS

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 : 37 (THIRTY SEVEN) pages only

(FOR OFFICE USE ONLY)

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

VISAKHAPATNAM STEEL PLANT
WORKS CONTRACTS DEPT., VISAKHAPATNAM -530031 (A.P.)
TELEFAX: 0891-2518763 TEL NO: 0891-2758705, 2518763
OPEN TENDER NOTICE NO:VSP/WC/ACS/76265-0/OT/2016 Dt: 24.08.2016

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** _____

76265-0 Operation & Maintenance of AC plants for Telephone Exchange & CDCP of Battery-4.

- Note :**
- Brief Description of work :** Operation & maintenance of central air conditioning plant of CDCP-4 and maintenance of package AC units, cooling towers and water circulating pumps of battery-4.
 - Similar Experience requirement :** Agency should have the experience in "Operation and maintenance of central AC plants and associated accessories"
 - Statutory requirement :** The agency should have Valid Electrical License of Grade 'B' issued by any State Licensing Board / Authority will only be considered for the work
 - Welfare allowance is applicable for this work

Tender Number	Cost of Tender Document (Non-refundable)		Eligibility/ experience requirements		Earnest Money Deposit (₹)
	By hand (₹)	By download (₹)	Value of single similar work executed (₹ in Lakhs)	Annual Turn over (₹ In Lakhs)	
76265-0	800/-	800/-	10.47	06.28	17,500/-

- Cost of Tender document(s) shall be paid in the form of Demand Draft / Pay Order / Banker's Cheque, obtained from any Nationalized or Scheduled Bank in India, drawn in favour of RIN Ltd., payable at Visakhapatnam and shall be valid for a minimum period of one month from the date of opening of tender i.e., Envelope-1 (Pre-qualification documents). **THE COST OF TENDER DOCUMENT(S) RECEIVED ALONGWITH TENDER DOCUMENT WILL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES UPON RECEIPT OF TENDER.**
- 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: **31-07-2016** 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.,**31-03-2016**. 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 ₹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) I/c by paying tender cost in the form of DD/PO/BC as cited at para-2 above in which case tender cost need not be enclosed while submitting the tender), Earnest Money Deposit(EMD) separately in the form of DD/PO/BC etc (refer to instruction to tenderer) and pre-qualification documents(Criteria eligibility/experience and other documents etc.) as per para-1 read with para-3 above along with TECHNO-COMMERCIAL BID WITH FILLED IN QUESTIONNAIRE, ALONGWITH DETAILS OF EXPERIENCE AND SUPPORTING DOCUMENTS, duly signed / attested by the authorized representative of the company. **Second envelope** (to be super scribed as Envelope-2 with name of the work, tender no.) should contain price bid in its prescribed format along with the tender document.
- 4.2 The first cover shall be opened initially and only on satisfying the eligibility criteria **INCLUDING TECHNICAL ACCEPTABILITY**, adequacy of cost of tender document (incase of downloaded tender) and EMD etc., placed in it, the second envelope containing the price bid shall be opened. The date and time of opening of the price bid along with names of successful tenderers in pre-qualification & techno-commercial bid will be subsequently displayed in the notice board of Works Contracts only and no individual communication to tenderers will be made.
- 4.3 Scope of work, Bill of Quantities (BOQ), Terms & Conditions given in the tender documents (placed in the website) is final. On verification, at any time, whether the tenderer is successful or not, if any of the documents submitted by the tenderer including the documents downloaded from our website / issued are found tampered/ altered/ incomplete, they are liable for actions like rejection of the tender, cancellation & termination of the contract, debarring etc., as per the rules of the company.
- 4.4 It will be presumed that the tenderers have gone through the General Conditions, Special Conditions & Instructions to tenderer etc., of the contract available in the website which shall be binding on him/ them.
- 4.5 The tenderer shall download the **TENDER SCHEDULE** available on the website in totality and submit the same duly signed on each page. **Any time prior to the deadline for submission of bids, Works Contracts department may, for any reason, modify the tender terms and conditions by way of an amendment, such amendment will be notified on RINL's website at regular intervals.**
- 4.6 **Tenders submitted against the NIT / Tender shall not be returned in case the tender opening date is extended/postponed. Tenderers desirous to modify their offer / terms may submit their revised / supplementary offer(s) within the extended TOD, by clearly stating the extent of updation done to their original offer and the order of prevalence of revised offer vis-à-vis original offer. The employer reserves the right to open the original offer along with revised offer(s).**
- 5.0 The tender documents and other details can be downloaded from our web site: **www.vizagsteel.com** and the same are to be submitted to the Dy. General Manager (Works Contracts) I/c, Visakhapatnam Steel Plant duly signed on each page by the tenderer **on or before 03.00 PM on 10-09-2016**
- 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 09-09-2016**
- 7.0 Tenders will be received in the office of Dy General Manager (Works Contracts) I/c, **up to 03.00 PM on 10-09-2016 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 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**
- 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.

FORM – A

Ref. Tender No.

76265-0

Name of the Work : **Operation & Maintenance of AC plants for Telephone Exchange & CDCP of Battery-4.**

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.	
<p style="text-align: center; margin: 0;">OFFICIAL ADDRESS</p> <p>Phone No:</p> <p>Cell No :</p> <p>Fax No.:</p> <p>e-mail address:</p>	

Yours faithfully,

(Signature of Contractor)

Name:.....

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 obstructing the passage/entry to the tender box, or if any unauthorized person is found in the tender opening room, the designated officer of WCD, incharge for tender submission/opening of bids or the HOD of WCD shall inform the CISF constable present on duty to evict the person. Also, to intimate to CISF in writing, to cancel the Gate Pass for a period of 01 (ONE) year.
- h) If by any reason the tender opening is postponed to any other date, the details will be displayed in the notice board of Works Contract Department. Tenderers shall see the notice board regularly and keep themselves informed in this matter.
- i) Before quoting, the tenderer shall necessarily contact the "Engineer" and fully understand the job, scope of work, unit of measurement, mode of measurement, scope of supply of materials by VSP if any, working conditions, shutdown arrangements, Labour deployment requirements, risk contingencies and such other factors which may affect their tender.
- j) General Conditions of Contract of VSP for Works Contracts are available in the Office of DGM (Works Contracts) I/c and also in VSP's web site for reference. The tenderers shall study and understand all the relevant provisions before quoting.
- k) Tenders shall be kept open for acceptance for a period 4 (Four) MONTHS from the date of opening of tender i.e., Envelope-1.
- l) After opening of tender, the tenderers may be called for negotiations and the details like date, time etc. will be displayed on the notice board of Works Contract Department. The tenderers shall see the notice board regularly and keep themselves informed in this matter and promptly attend negotiations without fail.
- m) Purchase Preference will be given to PSU's where applicable as per DPE guidelines.
- n) The local Small Scale Industries as approved by VSP and registered with Works Contracts Department of Visakhapatnam Steel Plant in the category of Industrial Paint Manufactures for supply and application of industrial Paints to various structurals, equipment pipelines etc., are eligible for purchase preference as per the policy of VSP in force from time to time. The local small-scale industries, those who are technically and commercially acceptable shall be considered for extension of Purchase Preference, if the offer is within 15% above L-1 price and upon their matching with L-1 price.
- o) The date of opening of pre-qualification envelope-1 shall be the date of tender opening in respect of both the SINGLE BID AND TWO- BID(Techno-commercial and Price bid) tenders.
- p) Corrections / amendments / replacement to / of the deficient documents / financial instruments for Earnest Money Deposit (EMD) & Cost of Tender Document (CTD) shall not be sought in the following cases where
 - (a) There is evidence of tampering / unauthorized correction
 - (b) The value of financial instrument (s) / document (s) is falling short of the value stipulated in the NIT
 - (c) The validity of BG (s) as on initial tender opening date (TOD) is falling short of minimum validity period stipulated in the tenderer
 - (d) Discrepancy exists in the name of Payee / Beneficiary
 - (e) The bidder fails to submit CTD and / or EMD in case of submission of a single instrument / document towards both CTD and EMD.

2) EARNEST MONEY DEPOSIT (EMD)

- a) In case of Earnest Money Deposit being less than or equal to Rs.5 Lakhs, Earnest Money Deposit shall be in the form of Demand Draft / Pay Order / Banker's Cheque obtained from any Nationalized or scheduled commercial bank in India, drawn in favour of Rashtriya Ispat Nigam Ltd., Visakhapatnam Steel Plant, payable at Visakhapatnam and shall be valid for a minimum period of one month from the Envelope-1 (Pre-qualification documents) opening date. No other mode of payment will be accepted. However, in case EMD exceeds Rs.5 Lakhs, tenderers have the option to submit the same in the form of Bank Guarantee (In the format as enclosed to the GCC) from any Scheduled Commercial Bank, encashable at Visakhapatnam. Bank Guarantees shall be valid for a minimum period of 04(Four) months from the date of opening of Envelope-1 (Pre-qualification documents). The above shall supercede the instructions regarding "form of EMD" elsewhere in the tender document. The above shall supercede the instructions regarding "Form of EMD" elsewhere in the tender document.
- b) ***Public Sector Enterprises of State / Central Government Undertakings are exempted from submission of Earnest Money Deposit (EMD) provided they submit a letter requesting for exemption from submission of EMD along with their offer.***
- c) **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.
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/nosril 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:

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;
- (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".

19. SHUTDOWNS:
- A) Necessary shutdowns will be arranged by VSP to the contractor for carrying out the work based on requirement. No claims on account of delayed/prolonged shutdown will be entertained.
 - B) The works assigned to the contractor by the Engineer from time to time shall be completed within the time schedule fixed by the Engineer in each case, within the approved shut down period.
20. LABOUR DEPLOYMENT:
- A) The contractor shall deploy his labour as per requirement and as instructed by the Engineer. It may be necessary to carryout the work round the clock based on requirement and shutdown provided. The contractor's rate shall cover such eventualities.
 - B) Only trained, experienced, safety inducted workers acceptable to the Engineer shall be engaged on this work, work shall be executed as per specifications to the satisfaction of the Engineer.
 - C) As and when need arises in the Annual works from time to time either for extra requirement of work or as a replacement in running contracts or a contract commencing for the first time, the contractor shall ensure that Displaced Persons (DPs) are engaged in unskilled category of workers to the extent of 50% (fifty percent). The contractor shall contract the Engineer-in-charge for this purpose.
 - D) "As and when need arises in the annual works from time to time either for extra requirement of work or as a replacement in running contracts or a contract commencing for the first time in semi-skilled category, the contractor shall ensure the minimum qualification of ITI in the relevant field for such semi-skilled category of workers. The contractor will also ensure to engage 50% (Fifty percent) of such semi-skilled vacancies from Displaced Persons (DPs) category. The contractor shall contact the Engineer-in-charge (EIC) for this purpose"
 - E) The Contractor shall engage contract worker(s) who do not have any adverse record with respect to his character in the past. For this purpose, the character and antecedents of the proposed worker(s) whom the Contractor intended to engage, shall be got verified by the Police and report shall be submitted. Till such time the report is submitted, the proposed contract worker(s) will be given only provisional pass and the pass will be cancelled in case any adverse report is reported.
21. SECURITY REGULATIONS: The contractor shall abide by and also observe all security regulations promulgated from time to time by the employer.
22. STORING/STACKING OF MATERIALS: Storing/Stacking/Placing of materials shall be only at the places designated by the engineer.
23. The contractor, his supervisors and workmen shall observe entry and exit timings strictly.
24. After completion of work activity, the site has to be cleared of all debris, construction material and the like.
25. The successful tenderer shall start the work immediately after obtaining gate passes and safety induction training and clearance from the Employer.
26. NOTICES: Any notice to be given to the contractor under terms of the contract shall be considered duly served, if the same has been delivered to, left for or posted by registered post to the contractors principal place of business (or in the event of the contractor being a company, its registered office), at the site or to their last known address.
27. DEFAULT BY TENDERERS: The successful tenderer may be debarred at the discretion of the company, from issue of further tender documents, work orders etc., for a specified period to be decided by the employer in case of: "Undue delay in starting and execution of work awarded, poor performance, backing out from the tender, non accepting work order/LOI during the validity of tender or non observance of safety rules and regulations, misappropriation of company's materials/property, non payment of due wages to labour or such similar defaults".
28. Successful tenderer should be in a position to produce the Original Certificate in support of the attested copies of relevant documents enclosed along with pre-qualification documents or afterwards, after opening of the Price Bids.
29. Failure to produce the original certificates at this stage in support of the attested copies of PF Registration/ITCC/Electrical License/Experience/Qualification any other documents etc., submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in VSP tenders.
30. If it comes to the notice of VSP at any stage right from request for registration/tender document that any of the certificates/documents submitted by applicant for registration or by bidders are found to be false/fake/doctored, the party will be debarred from participation in all VSP tenders for a period of 05 (FIVE) YEARS including termination of Contract, if awarded. EMD / Security Deposit etc., if any, will be forfeited. The Contracting Agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation any where in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D. / Security Deposit, if any, and recovery of risk and cost charges etc. Decision of V.S.P. Management will be final and binding.
31. Failure to execute the work after LOI/WORK ORDER is given, will make the party liable for debarring for a period of 2 (TWO) YEARS.

32. In case it is found before/after award of work to the person/agency through Limited Tender Enquiry (LTE) that the same person/agency is proprietor/proprietress/partner of two or more separate agencies and quoted for the same work, then punitive action to the extent of debarring up to 02 (Two) years from participating in VSP tenders will be taken.
33. In case the Tenderers revoke/withdraw/cancel their tender or they vary any terms of their tender during the validity period of the tender without the written consent of Visakhapatnam Steel Plant (VSP) or in the event of VSP accepting their tender and fail to deposit the required security money, execute the Agreement and fail to start the work within reasonable time (to be determined by the Engineer) after written acceptance of their tender – EMD submitted by them will be forfeited by VSP.
34. Contractor shall note that:
- 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:

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

$$X_o = \frac{(a \cdot USRo + b \cdot SSRo + c \cdot SKRo)}{(a+b+c)}$$

$$L = \frac{(a \cdot USRo + b \cdot SSRo + c \cdot SKRo)}{W}$$

Where

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

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

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

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

37. PAYMENT OF MINIMUM WAGES:

37.1. *Wages paid to the workmen by the contractor should not be less than the rates notified by the Regional Labour Commissioner (Central), 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 ——— An amount equivalent to maximum penalty leviable by Regional provident Fund Commissioner for the delayed period under the provisions of EPF & MP Act and rules for delayed remittance of PF contributions (both the employee's and employer's contribution), shall be recovered from the bills of the contractor as certified by Engineer.

- 37.2. The contractor shall have to pay WELFARE ALLOWANCE (earlier known as SMA, ASMA) towards fuel charges, food, milk, tiffin, coconut water, washing allowance etc @ ₹.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.25.23 ps, SSK —Rs.28.57ps, SK —Rs.33.47 ps
- 2) Component ——— Retrenchment compensation
Recovery amount per labour per every working day —
USK —Rs.12.61 ps, SSK —Rs.14.29 ps, SK —Rs.16.73 ps
- 3) Component ——— Leave with wages
Recovery amount per labour per every working day
USK —Rs.15.52 ps, SSK —Rs.17.58 ps, SK —Rs.20.59 ps

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

Sub-total —
USK —Rs.53.36 ps, SSK —Rs.60.44 ps, SK —Rs.70.79 ps

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

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

GRAND TOTAL

USK —Rs.64.91 ps, SSK —Rs.71.99 ps, SK —Rs.82.34 ps
10% towards profit and over heads of contractor
USK —Rs.06.49 ps, SSK —Rs.07.20 ps, SK —Rs.08.23 ps
Total recovery amount
USK —Rs.71.40 ps, SSK —Rs.79.19 ps, SK —Rs.90.57 ps

Note:

- i) The above recovery rates are effective from 01/10/2015. In case of any statutory revision in minimum wages payable to contract workmen as notified by the Regional Labour Commissioner (Central), Hyderabad from time to time, the above recovery amounts for workmen category-wise will be revised by RINL/VSP and will be notified accordingly.
- ii) Payment against the above 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 :

- 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 DESCRIPTION: OPERATION AND MAINTENANCE OF AC PLANTS FOR TELEPHONE EXCHANGE AND CDCP OF BATTERY - 4	
Cond.No	Condition Description
1	Operation and Maintenance of Central AC plant at CDCP-4 and maintenance of Package AC units, cooling towers and water circulating pumps of Battery-4 area.
2	<p><u>BOQ item No. 1</u></p> <p>(A) Checking of AC systems and monitoring for any oil or gas leakages and rectification/ repair/ replacing/ replenishing of the defective items.</p> <p>(B) Checking of Pressure controls (HP/LP/OP/WP), Freon Pressure gauges, water pressure gauges, temperature gauges, Expansion valves, and Refrigeration valves, Strainer/driers, Thermostats and Solenoid valves etc. and rectification / repair / replacement of the defective items.</p> <p>(C) Checking of electrical equipments like Safety circuits, SFUs, Timer relays, Single Phase Preventers, Contactors, OLRs, Selector Switches, Ammeters and Voltmeters etc. and rectification/ repair/ replacement of the defective items.</p> <p>(D) Checking of all motors connected to Compressors, Pumps, Cooling Towers and AHUs etc. and rectification/ repair/ replacement of defective parts.</p> <p>(E) Checking of bearings, couplings/belts, pulleys connected to all Motors, Compressors, Pumps, Cooling Towers and AHUs etc. and rectification/ repair/replacement of defective parts.</p> <p>(F) Checking of all Water pipe lines, water line valves including non-return check valves, water strainers and repair/ rectification/ replacement of defective parts.</p> <p>(G) Checking, rectification, repair and replacement of GI ducting, thermal / acoustic insulations, dampers, tinkering, welding and painting to ensure smooth function of the equipments.</p> <p>(H) Checking, maintaining and ensuring smooth function of the equipments without any abnormalities in noise, temperature, pressures and current drawn by the motors and carrying out rectification / repair / replacement of defective parts.</p> <p>(I) Technical parameters like current drawn by various motors, Pressures in refrigeration systems, Temperature & pressures of water lines and Temperature of conditioned space etc. are to be recorded in a register as per the prescribed format given by VSP.</p> <p>(J) Cleaning of AHUs, Cooling Towers and Water filters. Lubricating the valves, bearings and all other moving parts.</p>
3	<p><u>BOQ No. 14, 15 & 16</u></p> <p>(A) To attend monthly PPM jobs as per SMP and schedule approved by Engineer-in-charge or his authorized representative.</p> <p>(B) To attend all breakdowns immediately and identify spares and consumables required, drawl from VSP stores, repair / replace the defective items and old spares return / disposal as per direction of Engineer-in-charge or his authorized representative.</p> <p>(C) To clean air filters, check the condition of V-belts, pulleys and alignment and repair / replace the defective items.</p>

SCOPE OF WORK

	<p>(D) To clean the liquid line filter, expansion valve, liquid line valves and accessories of Package Air conditioning units as per the site condition.</p> <p>(E) To clean the water strainers and drain lines of condensate water.</p> <p>(F) To lubricate the moving parts and replacement of worn out parts including bearings.</p> <p>(G) To tighten valve glands and replace the gland packing as per requirement.</p> <p>(H) To repair the defective heat exchangers and replace the same as per requirement.</p> <p>(I) To take corrective and preventive action required as per the site condition and as approved by Engineer-in-charge or his authorized representative and submission of compliance report.</p> <p>(J) To do overhauling of LT motors (regular / condition based, electrical panel maintenance and lighting maintenance in AC equipment room.</p> <p>(K) In some of the spares, the actual tolerances may be slightly deviated from the drawing / specification. The agency shall repair those spares and make suitable to the correct finished dimension by grinding/filing at site.</p> <p>(L) To changeover of Running & Stand-by equipments in systematic rotation as per the frequency given by Engineer In-charge or his authorised representative and to record the same.</p> <p>(M) To record the conditioned space temperatures randomly in few locations as per the direction of Engineer-in-charge or his authorized representative.</p> <p>(N) To maintain the technical parameters of the AC equipments as per the norms approved by ACS department of VSP and whenever equipment parameters go beyond approved norms, the same shall be brought back to normalcy.</p> <p>(O) To execute for minor modifications jobs required for technological improvement and sustaining performance of AC equipments as per approval and directions of Engineer-in-charge or his authorized representative.</p> <p>(P) To coordinate jobs related to central agencies like CED, WMD and respective AC equipment owner departments for obtaining facilities during isolation / shutdown jobs.</p> <p>(Q) To implement the activities related to 5S work place management as per the instructions of Engineer-in-charge or his authorized representative.</p> <p>(R) To up keep (removal of cobwebs, dust) of the Air conditioning equipment, control rooms, panels and glass panes, floors and surroundings of the AC equipment rooms. To dispose dust / debris/ waste removed / collected during the activities carried on equipment, surrounding the equipment and on the floor shall be collected, segregated and shall be put in the respective dust bins under environmental management system. The Lube oil spilled on equipment, if any, shall be cleaned with sponge pieces / cotton waste. The used oil shall be put in the waste oil drums provided.</p> <p>(S) To immediate dispose waste like Metal scrap, electrical waste, plastic waste, mucks, used cotton wastes, spills over, Scraps etc. generated out of its activities. The same has to be disposed off to the respective bins at designated places decided by Engineer-in-charge or his authorized representative just before the end of days work.</p> <p>(T) To record daily activities, attendance particulars, equipment history and for all the activities related to Quality Management system (QMS), Environment Management system (EMS), Occupational Health & Safety management system (OHSMS) and Energy Management system and Work place Management system (5-S) being followed in VSP.</p>
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SCOPE OF WORK

4	The contractor shall prepare and submit the daily status reports as per the Clause No. 8 of Terms and Conditions of Contract.
5	Attending and rectification of all running defects and day to day operational complaints immediately as per the clause No. 12 of Terms and Conditions of Contract.
6	Maintaining the AC plant parameters & conditioned space temperatures within the limits as prescribed in the Clause No. 14 of Terms and Conditions of Contract.
7	The contractor shall carry out the Planned Preventive Maintenance schedules as per the Clause No. 19 of Terms and Conditions of Contract.
8	The contractor shall carry out the Annual maintenance jobs as per the Clause No. 20 of Terms and Conditions of Contract.
9	The contractor shall carry out capital repair of major equipments, Modification works and Miscellaneous jobs as per the Clause No. 21 of Terms and Conditions of Contract.
10	The contractor shall carry out the taking over (starting of the contract) & handing over (end of the contract) of AC equipments as per the Clause No. 22 & 23 of Terms and Conditions respectively.
11	The contractor shall carryout the housekeeping of the central AC plant and air handling unit rooms, which are to be maintained at the level of workplace management system 5S.
12	The contractor shall carryout the maintenance activities for new equipment if the present equipment will be upgraded with new equipment as and when the new equipment is available for replacement.

TERMS & CONDITIONS

WORK DESCRIPTION: OPERATION AND MAINTENANCE OF AC PLANTS FOR TELEPHONE EXCHANGE AND CDCP OF BATTERY - 4	
Cond.No	Condition Description
1	The tenderer shall visit and study each and every equipment /item/ parts of the AC plants at sites before submitting their offer.
2	Maintenance manuals are available with ACS department for reference. The tenderer shall make themselves fully acquainted with the manual before quoting the offers. The successful tenderer shall refer the manual, whenever the requirement arises.
3	The Central AC plant shall be operated round the clock including Sundays and Holidays. Operation & maintenance shall be as per the instructions of equipment supplier / VSP.
4	Contractor shall ensure that all his workmen deployed for this work will have identity cards / safety passes issued by VSP at all times. The contractor's vehicle(s) should also have the necessary vehicle pass issued by VSP at all times.
5	Contractor shall engage 1 Skilled person in A & B shifts, 1 Skilled & 1 Unskilled in C shift for Operation and 1 Skilled and 2 Unskilled in General shift for Maintenance of AC plants. Sufficient workmen shall be engaged for Annual maintenance, Capital Repairs, Modification & Miscellaneous jobs etc.
6	Contractor shall ensure that the Skilled persons are technically qualified / experienced in R&AC field. The persons engaged for electrical jobs are technically qualified / experienced electricians.
7	The contractor shall maintain the following documents at the site. a) Register in VSP's prescribed format for entering the technical/operating parameters of the system on hourly basis. b) Register (Log Book) for the activities carried out in general shift. Contractor shall record the defects noticed/ complaints received and the rectifications carried out. c) All the records/documents shall be submitted to the Engineer In-charge on monthly basis for scrutiny and safe custody.
8	The contractor or his authorised representative shall meet engineer or his representative daily to carry out the inspection of the plants. Equipment availability status report shall be prepared on daily basis and completed reports shall be submitted to the Engineer-In-charge.
9	The contractor shall keep related tools and tackles including the testing instruments like multi meter, meggar, pressure gauges and psychrometer etc. for maintenance jobs at his cost.
10	The contractor shall arrange his own transport facilities for the day- to-day works and for transportation of men & materials at his cost. However, the transportation of free issue materials like steel, structurals & gases shall be provided by VSP as per necessity.

TERMS & CONDITIONS

11	In case contractor fails/delay to attend operational complaints and if emergencies arise, VSP may issue/use any spares/consumables from VSP stores for rectifying the running defects. The cost for those materials shall be collected at 150% of the VSP's latest AT price for which the material to be supplied by contractor.
12	<p>The contractor shall adhere the following conditions for running defects.</p> <p>a) The scope of supply/Provision of men and materials is as per the ANNEXURE-III (Additional Special Conditions). The cost for such repair works shall be considered in respective BOQ Items (1/14/15/16).</p> <p>b) Whenever the defects are observed, the same shall be intimated to VSP and shall be attended by the contractor. After rectification, the same shall be inspected by VSP representative.</p> <p>c) The contractor shall carry-out repair/rectification works as per original scheme and bypasses or alterations are not allowed.</p> <p>d) The responsibility of the contractor is not limited to the mere replacement of the spares/parts etc. The contractor is also responsible for the testing and commissioning of the parts along with satisfactory performance of the whole system.</p> <p>e) However, if Compressor motor winding burnt, the same shall be repaired by VSP free of cost.</p>
13	<p>a) The equipments/ units, where standby exists, shall be operated in a systematic pattern in rotation so as to ensure that all the equipments are available in working condition. If any unit breakdowns / fails to function, the standby unit shall be put in operation. The failed unit/equipment shall be treated as standby unit and maintenance jobs to be carried out and should be made available for operation within the allowable time as mentioned in the recovery Clause No. 1 of ANNEXURE-II (Additional Special Conditions). Otherwise recovery shall be made applicable.</p> <p>b) The equipments/units, where standby is not there, those equipments shall always be available in working condition. If any of those equipment fails to function, the rectification jobs shall be carried out immediately on the same day and put in working condition with in the allowable time frame. Otherwise the recovery shall be applicable as per the recovery Clause No. 1 of ANNEXURE-II (Additional Special Conditions). However, these equipments shall be allowed to undergo for planned preventive maintenances as per the mutually agreed schedules.</p>
14	<p>The contractor shall ensure the AC plants are available always and maintain the following conditions.</p> <p>A) Temperature in CDCP Control Room - 27 Deg.C (Maximum)</p> <p>B) Temperature in Gas Analyser Rooms - 27 Deg.C (Maximum)</p> <p>C) Temperature in Telephone Exchange – 25 Deg.C (Maximum)</p> <p>D) Temperature in Package AC rooms - 27 deg.C (Maximum)</p>
15	The contractor shall coordinate his work with all connected departments and avoid any interference / interruption of other works and cooperates with authorities for operation and maintenance of the AC Plant as per the requirement. Any shutdown required for maintenance shall be undertaken only after obtaining written permission from the Engineer In- charge.

TERMS & CONDITIONS

16	Power supply and water required for the operation & maintenance of AC plants shall be made available at the site by VSP at free of cost.
17	The contractor shall be responsible for the safe custody of the material/equipments etc. handed over to them and shall avoid the damages to the equipment/item/system and building while handling.
18	Any letter/ instruction given by the Engineer or his representative to the authorised representative of the contractor shall be deemed to be the letter/ instruction given to the contractor and the contractor is required to act on such letter/ instruction so given to his representative.
19	<p>The contractor shall adhere the following conditions for Planned Preventive Maintenance jobs.</p> <ol style="list-style-type: none"> The cost for such maintenance jobs shall be considered in respective BOQ Items (1/14/15/16). The scope of supply/provision of men and materials is as per ANNEXURE-III (Additional Special Conditions). The monthly PPM schedules shall be prepared jointly in last week of every month. Those completion reports shall be submitted to the Engineer-in-charge at the end of the month.
20	<p>The contractor shall adhere the following conditions for Annual maintenance jobs.</p> <ol style="list-style-type: none"> The scope of supply/Provision of men and materials is as per the ANNEXURE-III (Additional Special Conditions). The cost of such maintenance jobs shall be considered in respective BOQ Items (2/3/4/5/6/7/8/9/10/11/17). The mutually agreed schedule shall be prepared at beginning of contract. The contractor shall follow the schedule. However the schedule may be revised as per the equipment/shutdown availability. Annual maintenance jobs shall be carried-out as per ANNEXURE –IV (Additional Special Conditions) in presence/clearance of the authorised representative of the Engineer-in-charge and record shall be maintained. The contractor shall take all precautionary measures not to damage any component/item/equipment and rectify the defects /damages developed during Annual maintenance at his own cost.
21	<p>The contractor shall adhere following conditions for Capital repair of major Equipments, Modification jobs and Miscellaneous jobs.</p> <ol style="list-style-type: none"> The jobs shall be carried out as per ANNEXURE-V (Additional Special Conditions) and as per approval of Engineer In-charge. The contractor shall carry out the operation and maintenance of modified equipments without any extra cost to VSP. The Scope of work and supply/provision of men and materials is as per the ANNEXURE-III (Additional Special Conditions). The labour charges shall be paid on man-day basis based on the actuals through the Miscellaneous jobs item (BOQ Item No. 12/13). All the jobs shall be carried-out in presence/ clearance of the authorised representative of the Engineer-in-charge and record shall be maintained. The mutually agreed schedule shall be prepared and the contractor has to follow the schedule.

TERMS & CONDITIONS

22	<p>The contractor shall adhere to the following conditions at beginning of the contract.</p> <ol style="list-style-type: none"> while taking over the plants by the contractor from VSP, a joint inspection will be conducted by VSP representative along with the contractor and the joint inspection report will be prepared. For the defects noticed at the time of taking over, the scope of supply / Provision of men & materials is as per the ANNEXURE-III (Additional Special Conditions). Labour cost shall be paid for the eliminated defects against the miscellaneous jobs item (BOQ Item No.12/13). All the defects shall be attended as per the mutually agreed schedule. The mutually agreed schedule for the defect elimination shall be prepared immediately after awarding the contract. The contractor has to follow the schedule. All the defect elimination jobs shall be carried-out in presence / clearance of the authorised representative of the Engineer-in-charge and record shall be maintained. In case the contractor fails to liquidate any of defects noted at the time of taking over of the plant as per the mutually agreed schedule (due to reasons solely attributable to the contractor) and if such un-attended defects lead to any consequential failures/defects, contractor has to liquidate them at their own cost. If such consequential defects are not attended by the contractor within the contract period, recovery shall be made from the final bill at the rate of 150% of VSP's latest AT price for the spares/consumables and the labour cost as per VSP prescribed rates.
23	<p>The contractor shall adhere to the following conditions at the end of the contract.</p> <ol style="list-style-type: none"> At the end of the contract, the contractor shall hand over the A/C systems to VSP in working condition. While handing over the systems back to VSP, a joint inspection will be conducted 20 days before the expiry of the contract by VSP representative along with contractor's representative. A joint inspection report/defect list shall be prepared. The contractor shall complete all defects elimination before the expiry of the contract. Otherwise for elimination of left out defects, the recovery will be made at 150% of the VSP's latest AT price for the spares and/or the consumables required for such repairs. The similar recovery shall be applicable in case of missing items also. The labour cost associated for elimination of defects shall be recovered as per cost incurred by VSP for the same. The above-mentioned recoveries shall be deducted from the final bill due to the party. However for continuing defects since the time of taking over from the VSP (for the reason which attributable to VSP), no recovery will be made applicable. In case the contractor is not coming forward to conduct the joint inspection, the same will be conducted exparte by VSP and recoveries will be effected as per the Clause No.23(C) for defects observed.
24	<p>The contractor shall ensure usage of ISI marked regulators, hoses, nozzles, cutting torches, welding holders and cables for cutting and welding works. This must be adhered to strictly.</p>

ADDITIONAL SPECIAL CONDITIONS**WORK DESCRIPTION: OPERATION AND MAINTENANCE OF AC PLANTS FOR TELEPHONE EXCHANGE AND CDCP OF BATTERY – 4.**

Cond. No	Condition Description
1	<p style="text-align: center;"><u>ANNEXURE-I (EQUIPMENT DETAILS)</u></p> <p>CDCP-4</p> <p>1) CHILLER SYSTEM : 2 Nos. Capacity : 160 TR. Compressor Make & Model : VOLTAS, 5H-86 (4 Nos.) Motor rating : 75 KW.</p> <p>2) CONDENSER WATER PUMP : 2 Nos. Make & Model : Mater Platt, 125*100-250, ET-150 19 Motor rating : 11 KW.</p> <p>3) CHILLED WATER PUMP : 2 Nos. Make & Model : Mater Platt, 125*100-250, ET-150 19 Motor rating : 11 KW</p> <p>4) AIR HANDLING UNIT : 6 Nos. CDCP ECR : 2 Nos. Make & Model : Carry Air & EU-10 Motor rating : 15.0 KW. Gas Analyser Room : 4 Nos. Make & Model : Sagar-16-VER Motor rating : 0.75 KW.</p> <p>5) COOLING TOWER : 2 Nos. Make & Model : Suthern & CF-621 Motor rating : 3.7 KW</p> <p>BATTERY-4 COMPLEX</p> <p>1) Package AC units : 11 Nos. 2) Water circulating Pumps : 5 Nos. 3) Cooling Towers : 3 Nos.</p> <p>COMMON EQUIPMENT TO ALL THE ABOVE A/C PLANTS</p> <p>1) Connected Refrigerant controls like Pressure Gauges, Pressure switches, Thermostats & Solenoid valves. 2) Connected water pipe lines & valves. 3) Connected air ducting, dampers, grills, air diffusers and insulation both acoustic and thermal. 4) Connected electrics including distribution boards and MCC panels. 5) Connected instrumentation, controls & cabling.</p>

ADDITIONAL SPECIAL CONDITIONS**ANNEXURE-II (RECOVERIES FOR NON PERFORMANCE)**

CLAUSE-1: If any of the following listed equipments fails to operate / function for more than the allowable time period, the recovery per day per system shall be levied as mentioned against each item.

S.No.	Type of Equipment	Allowable Time (Days)	Recovery per day (Rs.)
A	Chiller Unit (CDCP)	10	300/-
B	Water circulating pump	7	200/-
C	Cooling Tower (CDCP)	10	200/-
D	Cooling Tower (CDCP)	5	200/-
E	Air Handling Unit (CDCP)	7	200/-
F	Air Handling Unit(Gas Analyser)	5	200/-
G	Package AC unit	5	200/-

NOTE 1: For the above case, the above recoveries shall be made applicable after expiry of the allowable time frame only.

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NOTE 2: If the conditioned space temperatures are not maintained as per the Clause No. 14 of Terms and Conditions of contract, the same Recovery shall be made applicable for AHUs as mentioned above Clause-1 of (E) & (F).

CLAUSE-2: If scheduled manpower as per the Clause No. 5 of Terms & conditions is not available in A, B & C shifts, it will be treated as absent. The penalty shall be levied at 120% of the prevailing minimum wage of respective worker per day.

CLAUSE-3: The Annual maintenance jobs as specified are must for the healthiness of the equipments and the same have to be carried out by the contractor as per the specification, BOQ items and as per the mutually agreed schedule. If the contractor fails, the penal recovery shall be made from the bills at the rate of 200% of the respective BOQ amount.

NOTE 3: The penal recovery shall be made applicable for all the above cases due to the reasons solely attributable to the contractor only.

ADDITIONAL SPECIAL CONDITIONS

3	<p style="text-align: center;"><u>ANNEXURE –III (SCOPE OF SUPPLY)</u></p> <p>SCOPE OF SUPPLY / PROVISION OF MATERIAL: (A) For BOQ Item No.1 to 11: All Spares, Consumables and Paints -- PARTY. (B) For BOQ Item No.12 to 17: All Spares, Consumables and Paints -- VSP.</p> <p>SCOPE OF SUPPLY / PROVISION OF TOOLS & TACKLES: All types of Tools & Tackles, Measuring Instruments, Vacuum pump / Gas Recovery Units, Welding, Brazing and Gas cutting equipments – PARTY</p> <p>SCOPE OF SUPPLY / PROVISION OF MAN POWER: For all type of jobs – PARTY</p> <p>NOTE: The material mentioned against the VSP scope is free issue. In case VSP is not in a position, to provide the materials as per the above, VSP shall inform the contractor in writing to arrange for the materials and the cost of such materials/service shall be reimbursed to the contractor based on vouchers etc. produced by the contractor and as approved by VSP.</p>
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ADDITIONAL SPECIAL CONDITIONS

	<p align="center"><u>ANNEXURE-IV (ANNUAL MAINTENANCE)</u></p> <p>ANNUAL MAINTENANCE OF COMPRESSOR [BOQ Item 2]</p> <p>(A) Compressor shall be evacuated and side covers shall be opened. Check for bearing clearances and repair if found any abnormality.</p> <p>(B) Compressor oil shall be replaced with fresh compressor oil (Servo friz-68).</p> <p>(C) Suction filter, oil filter, liquid line strainer and expansion valves cleaning shall be done.</p> <p>(D) Shaft seal condition is to be checked for any leaks and O-rings to be replaced.</p> <p>(E) Check the suction and discharge valves for proper functioning. In case if any abnormality in functioning, repair/ replace the same.</p> <p>(F) Greasing of motor bearings shall be done, if any of the bearing is found defective the same shall be replaced.</p> <p>(G) Electrical contactor contacts shall be cleaned and all the electrical connections including motor terminals shall be tightened properly.</p> <p>(H) Base bolts, coupling bolts shall be tightened rigidly and check for alignment of both pulleys.</p> <p>(I) Tripping circuit to be checked for proper functioning and repair the same if found any abnormality.</p>
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5	<p>ANNUAL MAINTENANCE OF CONDENSER [BOQ Item 3]</p> <p>(A) Chemical circulation shall be done.</p> <p>(B) Side covers shall be opened and Mechanical cleaning of the condenser tubes should follow the chemical circulation.</p> <p>(C) The contractor should use chemicals of only reputed make like Vaniclean, Scalgun, Scalguard etc.</p> <p>(D) Replace the water sealing gaskets.</p>
6	<p>ANNUAL MAINTENANCE OF WATER PUMP [BOQ Items 4 & 5]</p> <p>(A) Pump covers shall be opened. The condition of shaft, impeller and shall be checked & repaired if found any abnormality.</p> <p>(B) Check for pump bearing condition and replace if found any abnormal. New grease shall be applied to the pump bearings.</p> <p>(C) Fix the pump assembly on its position.</p> <p>(D) New gland packing material shall be provided and ensure that no water leaks shall be developed.</p> <p>(E) Greasing of motor bearings shall be done, if any of the bearing is found defective the same shall be replaced.</p> <p>(F) Base bolts, coupling bolts shall be tightened rigidly and check for alignment of coupling and coupling bushes shall be replaced. All the rusted bolts shall be replaced with new ones.</p>
7	<p>ANNUAL MAINTENANCE OF COOLING TOWER [BOQ Items 6 & 7]</p> <p>(A) Rusted nut & bolts of CT body, Sump bottom and Grill covers shall be replaced.</p> <p>(B) Cleaning of the sump and water filters shall be done.</p> <p>(C) Valve gland leaks shall be arrested by changing gland packing material. Check for proper functioning of valves and repair the same if found any abnormality.</p> <p>(D) Clean the nozzles and leaks shall be arrested.</p> <p>(E) Check for motor condition and bearings lubrication shall be done. If any bearing found defective, the same shall be replaced.</p> <p>(F) Check for any vibration and repair the same if found any abnormality.</p>

ADDITIONAL SPECIAL CONDITIONS

	<p>(G) Check for make-up water line condition including the float valve & quick fill valves and repair the same if found any abnormality.</p> <p>(H) Motor terminals shall be checked and properly tightened.</p>
8	<p>ANNUAL MAINTENANCE OF AIR HANDLING UNIT [BOQ Items 8 & 9]</p> <p>(A) Side covers shall be opened and damaged nut and bolts shall be replaced.</p> <p>(B) AHU coil shall be cleaned with a standard chemical cleaning agent.</p> <p>(C) Greasing of AHU and motor bearings shall be done, if any of the bearing is found defective the same shall be replaced.</p> <p>(D) The rusted / damaged sheets shall be replaced with new sheets by proper tinkering.</p> <p>(E) Check for condition of motor pulley, blower pulley and alignment of both the pulleys and the same shall be repaired / replaced if found any abnormality.</p> <p>(F) Check for V-belts and canvas cloth condition and replace if required.</p> <p>(G) Motor terminals shall be checked and properly tightened.</p>
9	<p>ANNUAL MAINTENANCE OF ELECTRICAL PANEL [BOQ Item 10]</p> <p>(A) The existing control wiring & power wiring condition shall be checked and understand panel wiring as per equipment drawings.</p> <p>(B) All electrical components like SFUs, OLRs, Contactors, Timer coils, Push buttons and Indication lamps shall be cleaned thoroughly with proper cleaning agents.</p> <p>(C) Repair/ Replace the defective items and shall fix on their original position.</p> <p>(D) The contractor shall take care that all the inter lockings and tripping circuits are working properly.</p>
10	<p>ANNUAL PAINTING OF AC PLANT EQUIPMENT [BOQ Item 11]</p> <p>(A) Complete painting shall be done for all the equipments mentioned at ANNEXURE-III including AHU scrolls with two coats of approved finishing paints.</p> <p>(B) Wherever cleaning of pipelines for rust etc. is required, thorough cleaning of pipelines with wire-brush etc., shall be done and one coats of Red Oxide/Zinc-chromate paint shall be applied before applying the finishing coats.</p> <p>(C) All the Cooling Tower water pipe lines shall be thoroughly cleaned with wire brush and apply single coat of Red oxide and 2 coats of chlorinated rubber paint.</p>
11	<p>ANNUAL MAINTENANCE OF PACKAGE A/C [BOQ Item 17]</p> <p>WATER COOLED PACKAGE A/C:</p> <p>(A) Evaporator coil and air filters shall be cleaned with standard chemical cleaning agent. Condenser descaling shall be done.</p> <p>(B) Check for the functioning Expansion valve and Drier/Strainers and clean/replace the same if found abnormality.</p> <p>(C) Lubricate the blower bearings and blower motor bearings and replace if found abnormality.</p> <p>(D) Check for the condition of canvas cloth, V-belt, impeller and scrolls and replace/ repair the same, if found abnormality.</p> <p>(E) Check for the functioning of all electrical components and replace/ repair the same, if found defective.</p> <p>(F) Clean the electrical contactors kits and tighten the electrical connections including the motor terminals.</p> <p>(G) Check for the tripping circuit and repair the same if found any abnormality.</p>

ADDITIONAL SPECIAL CONDITIONS

	<p>AIR COOLED PACKAGE A/C</p> <p>(A) Evaporator coil, Condensers and air filters shall be cleaned with standard chemical cleaning agent.</p> <p>(B) Check for the functioning Expansion valve and Drier/ Strainers and clean/replace the same if found abnormality.</p> <p>(C) Lubricate the blower bearings and blower motor bearings and replace if found abnormality</p> <p>(D) Check for the condition of canvas cloth, V-belt, impeller and scrolls and replace/ repair the same, if found abnormality.</p> <p>(E) Lubricate the Condenser fan motor bearings. Rusted metal sheet shall be replaced with new sheet by proper tinkering. Rusted nut bolts shall be replaced with new bolts.</p> <p>(F) Check for the functioning of all electrical components and replace/repair the same, if found defective.</p> <p>(G) Clean the electrical contactors kits and tighten the electrical connections including the motor terminals.</p> <p>(H) Check for the tripping circuit and repair the same if found any abnormality.</p>
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ADDITIONAL SPECIAL CONDITIONS

12	<p style="text-align: center;"><u>ANNEXURE-V (CAPITAL MAINTENANCE)</u></p> <p>CAPITAL REPAIR OF CHILLER SYSTEM</p> <p>(A) Evacuate the AC system and check for proper functioning of liquid line valves, suction and discharge service valves, strainer, expansion valves etc., and their cleaning, replacement /repair.</p> <p>(B) Compressor shall be dismantled, checked for position of crank shaft and shall be repaired /replaced as per available bearings set.</p> <p>(C) Bearing clearances shall be checked and shall be replaced if the clearance exceeds permissible limits.</p> <p>(D) Shaft seal condition shall be checked and shall be replaced if required. All Neoprene bellows and gaskets shall be replaced.</p> <p>(E) Check loading/unloading mechanisms including solenoid valve assemblies, oil pump clearances, valve plate assemblies, pistons, connecting rod assemblies and cylinder sleeves for proper functioning and shall be replaced/repared if required.</p> <p>(F) Piston oil rings, compression rings, suction reeds and discharge reeds shall be replaced.</p> <p>(G) Suction filter, oil filter, oil pressure regulating valves and non return valves etc., shall be checked and shall be replaced/repared.</p> <p>(H) After complete checking and cleaning of all the components, assemble the compressor and pour sufficient oil. The entire system shall be made leak proof.</p> <p>(I) It is recommended to change the gaskets each time the component is opened.</p> <p>(J) Overhauling of the compressor motors shall be done. Cleaning & lubrication of bearings, fan blades & fan covers checking, Coupling checking, IR values and current drawn etc. are to be checked.</p> <p>(K) All the base bolts of the compressors & motors shall be properly tightened. Compressors & Motors perfect alignment should be done.</p> <p>(L) The party should take care while dismantling & assembling and ensure that the crank pressure should develop as good as new compressor.</p> <p>(M) No abnormalities shall be found in any of the following after completion of the capital repairs.</p> <p>(N) Crankcase oil pressure, Current Drawn & IR values, Noise & Vibration, Refrigerant & Oil Leakages and Tripping circuit.</p>
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ADDITIONAL SPECIAL CONDITIONS

13	<p>CAPITAL REPAIR OF COOLING TOWER</p> <p>(A) All the leaks at cooling tower bottom and sump should be arrested. All the joint nut & bolts are to be replaced. Cleaning of the sump should be done.</p> <p>(B) All damaged valves & pipe lines including makeup water lines should be replaced with new ones.</p> <p>(C) Branch pipes position to be checked and replaced/repared, nozzles shall be cleaned.</p> <p>(D) Overhauling of CT fan motors shall be done. Cleaning & lubrication of bearings, electrical terminals cleaning, IR values and current drawn etc. are to be checked. Motor terminal block, motor fan and motor cover position to be checked and should be replaced / provided if required.</p> <p>(E) CT fan position to be checked for perfect balancing and ensure proper rotation.</p> <p>(F) No abnormalities shall be found in any of the following after completion of the capital repairs.</p> <ol style="list-style-type: none"> Current Drawn & IR values. Noise & Vibration Water Leakages Sprinkler speed & rotation.
14	<p>CAPITAL REPAIR OF AIR HANDLING UNIT</p> <p>(A) Dismantling of all damaged sheets including bottom plates and proper tinkering shall be done with the same thickness sheet. All the joint nut & bolts shall be replaced.</p> <p>(B) All the filters and coil fins shall be cleaned with the standard chemical agent. Damaged filters are to be replaced.</p> <p>(C) Canvas cloth joints shall be checked for any air leakages and cloth shall be replaced if badly damaged.</p> <p>(D) Dampers shall be checked for proper functioning and shall be repaired if damaged.</p> <p>(E) Modulating motors functioning shall be checked and shall be repaired.</p> <p>(F) Bearings lubrication to be done and shall be replaced if badly damaged. Bearing supporting brackets are to be checked for proper strength.</p> <p>(G) Motor supporting brackets and base bolts are to be properly tightened to avoid vibration.</p> <p>(H) The shaft position to be checked for any abnormality while running and perfect balancing to be made.</p> <p>(I) Impeller and blower casings are to be checked and shall be repaired.</p> <p>(J) Both the pulleys position to be checked for perfect balancing and proper alignment shall be done.</p> <p>(K) Belts condition to be checked and shall be replaced if badly damaged.</p> <p>(L) Drain water line shall be cleaned and shall be repaired if required.</p> <p>(M) Motor terminals cleaning and tightening shall be done.</p> <p>(N) Duct heaters condition to be checked and shall be made right if so required as per the direction from the Engineer In-charge.</p> <p>(O) No abnormalities shall be found in any of the following after completion of the capital repairs.</p> <ol style="list-style-type: none"> Current Drawn Noise & Vibration Air Leakages Drain water leakages.

ADDITIONAL SPECIAL CONDITIONS

15	<p>CAPITAL REPAIR OF WATER PUMP</p> <p>(A) Pump cover shall be opened and impeller shall be taken out.</p> <p>(B) Dismantle the bearings & shaft sleeves.</p> <p>(C) Check for the shaft condition and repair the same if found any abnormality.</p> <p>(D) Bearings and shaft sleeves shall be replaced with new ones.</p> <p>(E) Fix the pump assembly on its position.</p> <p>(F) New gland packing material shall be provided and ensure that no water leaks shall be developed.</p> <p>(G) Greasing of motor bearings shall be done, if any of the bearings are found defective the same shall be replaced.</p> <p>(H) Base bolts, coupling bolts shall be tightened rigidly and check for alignment of coupling and coupling bushes shall be replaced.</p> <p>(I) All the rusted bolts shall be replaced with new ones.</p> <p>(J) No abnormalities shall be found in any of the following after completion of the capital repairs.</p> <p>(a) Current Drawn & IR values.</p> <p>(b) Noise & Vibration</p> <p>(c) Water Leakages</p>
16	<p>MODIFICATION OF WATER PIPE LINES</p> <p>(A) The new pipelines shall be laid down as per the drawings, specifications/instructions of the Engineer In-charge.</p> <p>(B) All the fittings including flanges, bends, tees, reducers, lengths, expansion loops shall be fabricated (if not available at the site) and erected.</p> <p>(C) Required drains, vents, stiffeners, fixtures etc. shall be provided.</p> <p>(D) The existing bends, reducers and flanges shall be reconditioned if found useful.</p> <p>(E) No leaks shall be developed after completion of the modification jobs.</p>
17	<p>MODIFICATION OF WATER VALVES</p> <p>(A) The new valves shall be laid down as per the drawings, specifications/instructions of the Engineer In-charge.</p> <p>(B) The valve flanges shall be fabricated (if not available at the site) and erected.</p> <p>(C) The existing valves & flanges shall be reconditioned if found useful.</p> <p>(D) No leaks shall be developed after completion of the modification jobs.</p>
18	<p>MODIFICATION OF PIPE / DUCT INSULATION</p> <p>(A) The insulation of size 25mm/50mm thickness shall be provided for newly erected air ducts / chilled water pipe lines as per the drawings, specifications/instructions of the Engineer In-charge.</p> <p>(B) Aluminum cladding or cement plastering shall be done with necessary cleats, lugs, binding wire etc.</p> <p>(C) No water leaks (sweating water) shall be observed after completing the modification job.</p>
19	<p>MODIFICATION OF AIR DUCTS</p> <p>(A) The new ducts shall be fabricated and erected as per the drawings, specifications /instructions of the Engineer In-charge.</p> <p>(B) All the jointing flanges, dampers, grills and supports shall be fixed properly.</p> <p>(C) No air leaks shall be developed after completion of the modification jobs.</p>

ADDITIONAL SPECIAL CONDITIONS

20	MODIFICATION OF STRUCTURAL ITEM (A) The new structures shall be fabricated and erected as per the drawings, specifications/instructions of the Engineer In-charge. (B) No vibrations shall be developed after completion of the modification jobs.
21	MODIFICATION OF ELECTRICAL PANELS (A) The existing wiring including SFUs, OLRs, Contactors, Timer coils, Push buttons and Indication lamps shall be dismantled. (B) Repair/ Replace the defective items and shall fix on their original position. (C) All the electrical connections including Power Wiring and control wiring shall be properly fixed as per the original drawings/instruction provided by VSP representative. (D) The contractor shall take care that all the inter lockings and tripping circuits are working properly.
22	MISCELLANEOUS JOBS (A) Removal/shifting/installation of existing equipment/ spares. (B) Replacement of obsolete/aged-out equipment/ spares. (C) Old defect elimination. (D) Any other miscellaneous jobs required for improvement / modification of A/C plants shall be taken up as per the directions of Engineer-In-charge.
23	<u>SALES TAX CLAUSE:</u> The scope of supply of materials and consumables in the present proposal are as follows: (A) MATERIALS SHALL BE SUPPLIED BY PARTY (FOR BOQ Items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11): Mechanical & Electrical spares, V-Belts, Pulleys, Air filters, Bearings, Steel Structural, GP sheets, Nut & Bolts, Insulation material. (B) CONSUMABLES SHALL BE SUPPLIED BY PARTY (FOR BOQ Items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11): Refrigerant Gas, Compressor oil, Paints, Cleaning liquids, Oxygen gas, LPG gas, Nitrogen gas, Welding Electrodes, Paints, Gaskets, Gland packings, Grease, Electrical tapes, Teflon tapes and Cotton Waste. (C) MATERIALS SHALL BE SUPPLIED BY VSP (FOR BOQ ITEMS 12, 13, 14, 15, 16 & 17): Mechanical & Electrical spares, V-Belts, Pulleys, Air filters, Bearings, Steel Structural, GP sheets, Nut & Bolts, Insulation material. (D) CONSUMABLES SHALL BE SUPPLIED BY VSP (FOR BOQ ITEMS 12, 13, 14, 15, 16 & 17): Refrigerant Gas, Compressor oil, Paints, Cleaning liquids, Oxygen gas, LPG gas, Nitrogen gas, Welding Electrodes, Paints, Gaskets, Gland packings, Grease, Electrical tapes, Teflon tapes and Cotton Waste. Sales Tax is applicable as the contract envisages material supply by the party. The deduction of Sales Tax shall be done as per the rules prevailing from time to time.
24	Welfare allowance (SMA & ASMA) is applicable for this contract.

QUESTIONNAIRE

WORK DESCRIPTION: OPERATION AND MAINTENANCE OF AC PLANTS FOR TELEPHONE EXCHANGE AND CDCP OF BATTERY - 4	
Cond.No	Condition Description
1	Confirm, whether you have thoroughly seen and understood the scope of work, Terms & Conditions, Additional special conditions and corresponding annexures. - -- (YES / NO)
2	Confirm, whether you have visited the site and aware of site conditions and got satisfied about the Machinery and nature of jobs. --- (YES / NO)
3	Confirm, whether you have skilled / experienced manpower in the fields of Air-conditioning, pipe line works, sheet metal works, insulation jobs & structural jobs or will be able to mobilize such people as per work requirement. -- [YES/NO].
4	Confirm, whether you have identified the general site requirement of fast moving spares / consumables and will be in a position to arrange them. -- [YES/NO]
5	Confirm, whether you have own the special tools & tackles like vacuum, leak testing, de-scaling, welding & brazing, gas cutting equipments etc. or will be able to arrange the same as per the requirement. -- [YES/NO]
6	Confirm, whether you have any own transport arrangements for collecting spares & consumables from VSP stores/specified location to exact site or will be able to arrange the same. -- [YES/NO]
7	Confirm, whether you can mobilize required AC plant operating personnel as per VSP requirement. -- [YES/NO]
8	NOTE 1: If party's answer is `No' to any of the above questions, their offer will not be considered. NOTE 2: If required attach additional sheets to furnish the details.

PREAMBLE TO BOQ**WORK DESCRIPTION: OPERATION AND MAINTENANCE OF AC PLANTS FOR TELEPHONE EXCHANGE AND CDCP OF BATTERY - 4**

Cond.No	Condition Description
1	<p>This job involves operation and maintenance of Central AC plant of CDCP-4 and maintenance, repair and upkeep of Package Air conditioners, Cooling Towers and Water circulating pumps of Battery-4 area.</p> <p>The Central AC plant for CDCP-4 is designed, supplied and commissioned by M/s. Voltas Limited. The central AC plant at CDCP comprises Refrigeration Chillers, Chilled water pumps, Condenser water pumps, Cooling Towers and Air Handling units. Chilled water pumps and Condenser water pumps are situated in the ground floor of the building. Cooling Towers are situated at terrace of the building. Air handling units of various capacities are located at different places. The chilled water pipelines and return water lines are laid between Air Handling Units and Chillers. The Condenser water pipe lines are laid between Cooling Tower and condensers. This central AC system is provided mainly to meet the technological requirement.</p> <p>The Package AC units of various capacities and makes are installed to supply the conditioned air to various control rooms / MCC rooms / telephone exchange room / Gas analyser rooms of battery-4 area.</p> <p>The water circulating pumps are installed for cooling water circulation for water cooled Package AC units.</p> <p>The cooling towers are installed to cool the condenser water of Package AC units.</p> <p>The list of equipment is given in ANNEXURE-III (Additional Special Conditions).</p>

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: Operation & Maintenance of AC plants for
Telephone Exchange & CDCP of battery-4**

TENDER NO: 76265-0

PERIOD OF CONTRACT : 12 (Twelve) months
DEFECT LIABILITY PERIOD : NIL
ENGINEER : AGM (M) /ACS

ISSUED TO SRI/ M/s. _____

PRICE BID (PART-2)

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

No of pages of BOQ alone : 01 (ONE) page only

Total No. of pages : 03 (THREE) 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



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES

PR No / Date: 73001800 / 21.06.2016	Report Date : 07.07.2016
Pur . Org.: WORKS CONTRACTS	
MSS: 7750614001 : OPERATION AND MAINTENANCE OF AC PLANTS F	
Operation & Maintenance of AC plants for Telephone Exchange & CDCP of Battery-4.	

The BOQ Items are taken as per the following Rates.						
	Central Rates	VSP Rates				
Skilled	390.000	634.150				
Semi Skilled	333.000	546.050				
Unskilled	294.000	485.750				
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
1	510004664	OPERATION AND MAINTENANCE OF CENTRAL AC PLANT OF CAPACITY 320 TR	12.000	MON	124,293.03	1,491,516.36
2	510004666	ANNUAL MAINTENANCE OF CENTRAL AC PLANT COMPRESSOR OF CAPACITY 80 TR-90 TR	4.000	EA	12,729.03	50,916.12
3	510004668	ANNUAL MAINTENANCE OF WATER COOLED CONDENSOR OF CAPACITY 120 TR-160 TR	2.000	EA	10,403.41	20,806.82
4	510004670	ANNUAL MAINTENANCE OF CENTRIFUGAL WATER PUMP OF CAPACITY 25 LPS-50 LPS	4.000	EA	5,199.39	20,797.56
5	510004671	ANNUAL MAINTENANCE OF CENTRIFUGAL WATER PUMP OF CAPACITY UPTO 25 LPS	5.000	EA	2,849.81	14,249.05
6	510004672	ANNUAL MAINTENANCE OF COOLING TOWER OF CAPACITY 120 TR-175 TR	2.000	EA	10,403.41	20,806.82
7	510004673	ANNUAL MAINTENANCE OF COOLING TOWER OF CAPACITY 60 TR-100 TR	3.000	EA	2,849.81	8,549.43
8	510004674	ANNUAL MAINTENANCE OF AIR HANDLING UNIT OF CAPACITY 25 TR-60 TR	2.000	EA	10,403.41	20,806.82
9	510004675	ANNUAL MAINTENANCE OF AIR HANDLING UNIT OF CAPACITY UPTO 25 TR	4.000	EA	3,792.28	15,169.12
10	510004714	ANNUAL MAINTENANCE OF ELECTRICAL PANEL OF CENTRAL AC PLANT OF CAPACITY ABOVE 200 TR	1.000	EA	10,403.41	10,403.41
11	510004716	ANNUAL PAINTING OF CENTRAL AC PLANT EQUIPMENT OF CAPACITY ABOVE 200 TR	1.000	LS	8,671.04	8,671.04
12	910000146	SKILLED MAN POWER SUPPLY FOR MISCELLANEOUS JOBS	50.000	MDY	634.15	31,707.50
13	910000147	UN SKILLED MAN POWER SUPPLY FOR MISCELLANEOUS JOBS	175.000	MDY	485.75	85,006.25
14	510007827	Repair, Maintenance & upkeep of Package AC unit	132.000	MON	1,430.02	188,762.64
15	510007866	Repair, Maintenance & Upkeep of Cooling Tower of capacity 60 TR to 100 TR.	36.000	MON	983.87	35,419.32
16	510007867	Repair, Maintenance & Upkeep of Water pump of capacity up to 25 LPS.	60.000	MON	669.86	40,191.60
17	510007868	Annual Maintenance of Package AC units.	11.000	EA	2,769.76	30,467.36
Total Value: In words : twenty lakh ninety four thousand two hundred forty seven rupees twenty two paise						2,094,247.22



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

TENDER NO: 76265-0

Name of the work : Operation & Maintenance of AC plants for Telephone Exchange & CDCP of battery-4

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

No.	DESCRIPTION	UNIT	QTY.	RATE (₹.)	AMOUNT (₹.)
1.	<p>As per the detailed Bill of Quantities enclosed in 01 (ONE) page</p> <p>ESTIMATED VALUE</p> <p>(RUPEES TWENTY LAKHS NINETY FOUR THOUSAND TWO HUNDRED FORTY SEVEN AND PAISE TWENTY TWO ONLY)</p>	<p>AS PER DETAILED BILL OF QUANTITIES ENCLOSED</p>			<p>20,94,247=22</p>

TOTAL AMOUNT QUOTED IN FIGURES: Rs. _____

TOTAL AMOUNT QUOTED IN WORDS: Rs. _____

- only.**
- Note: 1. Tenderer shall write their quoted offer both in WORDS and FIGURES. The quoted offer in WORDS shall be in CAPITAL / BLOCK letters.
2. If there is discrepancy between the amount mentioned in FIGURES and the amount mentioned in WORDS, the amount as mentioned in WORDS only shall be taken as the quotation of the tenderer.
3. **THE ESTIMATE OF THIS TENDER IS BASED ON THE RINL / VSP APPROVED WAGE RATES, CONSEQUENT TO THE MINIMUM WAGE OF CONTRACT WORKER AS NOTIFIED BY THE REGIONAL LABOUR COMMISSIONER (CENTRAL), HYDERABAD, WHICH IS GIVEN 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)	485=75	546=05	634=15
MINIMUM WAGES AS NOTIFIED BY THE RLC (CENTRAL), HYDERABAD (IN RUPEES)	294=00	333=00	390=00