



RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
(A Govt. of India Enterprise)
W08 - K V RAMANA RAO

WORKS CONTRACTS DEPT, VISAKHAPATNAM STEEL PLANT,
VISAKHAPATNAM - 530031, ANDHRA PRADESH -
INDIA

PHONE: 9959151444,
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NOTICE INVITING TENDER (NIT)

NIT TYPE: 2-PRT % BID E-RFX

VSP/1200/ACS(M)/2021/00572

NIT NUMBER & DATE: 2600007229 Dated 27.11.2021

OPEN TENDERS IN THE PRESCRIBED FORM ARE INVITED FROM THE REPUTED / EXPERIENCED TENDERERS FOR THE FOLLOWING

1. NAME OF THE WORK:

"Operation and maintenance of Administration building & Outsideperiphery
AC plants".

2 KEY INFORMATION:

| Type of Bid | Type of Submission | EMD in INR | Submission Deadline date & time | Bid Opening Date & time in Hours |
|--------------|--------------------|----------------|---------------------------------|----------------------------------|
| TWO PART BID | E BID | Not Applicable | 20.12.2021 15:00 | 21.12.2021 15:00 |

1. CONTRACT PERIOD: 36 (Thirty six) Months,
2. DEFECT LAIBILITY PERIOD: NIL,
3. ENGINEER I/c :DGM (M) / ACS, Mobile No. 8500669552,
4. SMA & ASMA applicable for this contract

ESTIMATION VALUE : INR 1,43,41,901.98

3 OFFER VALIDITY DATE:

Your offer should be valid upto 20.03.2022.

4 CURRENCY:

INR.

5 ELIGIBILITY/EXPERIENCE CRITERIA :

| Single Similar Work Order Value in INR | Annual Turnover in INR |
|----------------------------------------|--------------------------|
| 2390316.99 (23.90 Lakhs) | 1434190.14 (14.34 Lakhs) |

ACS / RFx No 2600007229

1) "AGENCIES SHALL HAVE EXPERIENCE IN "OPERATION AND MAINTENANCE OF CENTRAL AIR CONDITIONING PLANT & CORRESPONDING AIR HANDLING UNITS, etc, PACKAGE AIR CONDITIONERS AND SPLIT AIR CONDITIONERS" are only eligible.

2) Statutory requirements: Agencies shall have valid "B" Grade Electrical license issued by any state Licensing board / Authority" shall only be considered.

(SINGLE SIMILAR WORK FOR PQC REQUIREMENT PLEASE SEE ATTACHMENT OF NIT)

6. NATURE & SCOPE OF WORK:

7 ITEM DETAILS/BOQ:

8 LIST OF TENDER DOCUMENTS:

This document along with those available in cFolders as below, constitute the complete Tender (NIT)

I) RFx No 2600007229 Tender Schedule Consists of

1. Notice Inviting Tender
2. Special Conditions of Contract
3. Scope of Work
4. Terms & Conditions
5. Additional special conditions
6. Preamble to BOQ
7. BOQ
8. Questionnaire

II) Under Taking Letter

III) Bid Security Declaration

IV) Integrity pact

9 E-RFX SUBMISSION PROCEDURE - 2 PART:

RINL is employing SAP SRM 7.0 for Electronic Tendering System. E-RFx Response to be submitted electronically through System only. No physical paper/print needs to be submitted. Bidders need to have UserID and Password to participate in SRM E-Tenders. All enlisted vendors of RINL would be provided User ID and password for participating in RINL E-Tenders. If a Bidder who wish to participate is not presently enlisted with RINL or not having User ID Password can obtain the same through Registration of Suppliers (RoS) system by providing requisite details well before the RFx Submission deadline. Bidders to go through the User Manual of RoS system available in SRM Portal for detailed steps for obtaining User ID & Password.

In 2-Part E-RFx, Technical RFx Response is uploaded to PQC/Tech RFx cFolder and Price RFx is quoted in Bidding Engine. E-Tendering User Manual available in SRM Portal contains the procedure participating in RINL E-Tenders.

Bidders to ensure the following before submitting the 2-Part E-RFx Response

- a. All Mandatory questions are answered and Requisite documents are uploaded into PQC cFolder including Bid Security Declaration and Undertaking letter.
- b. All Techno-Commercial documents required as per tender document are uploaded into "Tech RFx" cFolder.
- c. Prices and Taxes (Conditions) are quoted in the bidding engine.

Then upon ensuring confirmation of RFx response is complete and contains no errors, RFx Response to be Submitted.

Bidders to ensure that E-RFx Response submission is done before "Submission deadline date & Time" indicated in the NIT Key information at 2 above. RFx can be "withdrawn" and modified as long as "Submission deadline date & Time" is not over. RFx Response cannot be modified once Submission deadline time passed.

10 E-RFX OPENING PROCEDURE - 2 PART:

E-RFx Responses are opened in the system Electronically.

System allows opening of RFx responses only after the specified date and Time as indicated at 2 Key information above. Authorized Tender opening officers through the process of "Simultaneous Log-on" shall open the RFx Responses in System.

For 2-Part E-RFx first "PQC" & "Tech RFx" cFolders are opened in the system through Simultaneous Log-on Process. Then Price RFx responses opening event will be executed on a specified Date & Time through Simultaneous Log-on process for Techno-Commercially Accepted Responses on intimation to Bidders.

11 DOCUMENTS TO BE UPLOADED IN TECH BID C FOLDER:

****Note:** Documents submitted in "Notes & Attachments" folder will not be considered for evaluation

A) Bid Security Declaration as per Annexure attached is to be submitted

OR

B) The agency can submit proof of registration with any of the following agencies as on the Tender Opening Date (TOD):

(a) District Industries Centre [Acknowledge of Entrepreneur Memorandum i.e. EM (Part – II)

(b) Khadi and Village Industries Commission

(c) Khadi and Village Industries Board

(d) Coir Board

(e) National Small Industries Corporation (NSIC)

(f) Directorate of Handicrafts Handloom

(g) Udyog Aadhaar Acknowledgment/Udyog Aadhaar Memorandum issued by Ministry of MSME.

(h) Any other body specified by Ministry of MSME.

If the documents mentioned at either Para(A) or Para(B) are not submitted in full in all respects, these documents shall not be sought and the bid will be REJECTED

C) Agencies seeking exemption for Security Deposit / Retention Money have to submit the MSE Registration document also where in Monetary Limit is indicated.

The exemption from submission of Security Deposit / Retention Money shall be up to the Monetary Limit, if any, specified in the MSE Registration submitted by the agency.

D) Statutory Documents to be submitted, wherever required

i) Electrical License (For Electrical contracts) Agencies having valid Electrical license issued by any State Licensing Board /Authority will only be considered

ii) Boiler License (For cases wherever required) Agencies should have boiler repair license, Category -1 issued by the Directorate of Boilers, Andhra Pradesh

iii) Competency Certificate issued by Director of Factories, AP

For Persons competent to carry out Inspection & Certification of Lifting Equipments, Pressure Vessels and Elevators etc

VSP reserves the right to reject the offer in case the required documents are not submitted.

12 E-RFX EVALUATION PROCESS:

(a) Pre-qualification evaluation shall be done based on the documents submitted by the bidders in PQC & Tech RFx cFolders.

(b) All the RFxs shall be evaluated on the basis of landed cost only which includes all taxes and duties but excluding Goods & Service Tax (GST).

(c) TAL1 (Technically accepted L1) price arrived by the system shall follow automatically to Auction document as start bid price for all cases of Reverse Auction and will be visible in the system only after the start time of Live Auction (E-Reverse Auction).

(d) On completion of Live Auction, composite comparative statement is generated by the system considering the RFx Prices and Reverse Auction Prices. Placement of Order shall be considered on the L-1 price so arrived.

(e) Notwithstanding anything specified in this tender documents, RINL, in its sole discretion, unconditionally and without having to assign any reason, reserves the following rights:

(i) To reject the response whose performance is poor in awarded / ongoing works if any.

(ii) To give purchase preference to Public Sector Undertakings wherever applicable as per Government Policy / Guidelines

(iii) To extend purchase preference to Local MSEs (Micro & Small Enterprises) as per prevailing guidelines of RINL subject to submission of documents as stipulated in Detailed Terms & Conditions of NIT.

13 REVERSE E-AUCTION PROCESS:

In case RINL wishes to conduct Reverse auction, the same shall be communicated to all the technically qualified bidders at an appropriate time.

The Auction shall be conducted on SAP SRMLIVE AUCTION PLATFORM. All technically and commercially acceptable bidders would be required to participate in the reverse e-auction and quote from the start Price.

Bidders would be required to quote single price i.e price net of ITC on GST.

No separate User ID and Password is required for participating in Live Auction. User ID and Password used for Participating in E-Tendering to be used for Live Auction also.

(a) AUCTION TIME EXTENSION:

1. Throughout the Auction process, Bidders should keep in view the 'Time Remaining' that appears on the 'Live Auction cockpit' screen and submit their Bids well within the time that gets displayed therein.

2. Bidders to note that System calculates Auction End time during the Auto extension period as under:

If any of the bidder, submits a valid price, in the last "X" minutes, the system will extend the Auction End time to "Existing End Time + Y minutes". This will be done "N" number of times.

Here<(>,<)>

Remaining Time Trigger = X

Extension Period = Y

Number of Extensions = N

The Auction time extension is explained below with an example.

Example: Reverse Auction conducted with Auction parameters as:

AUCTION SCHEDULE: 11.00 AM to 12.00 noon, REMAINING TIME TRIGGER: 4 minutes and EXTENSION TIME: 5 minutes

The current Auction End time being 12:00 and in case a bid is submitted by any bidder after 11.56 AM. (in the 'Remaining Time Trigger' i.e., in the last 4 minutes) of the auction, the auction end time gets extended up to 12.05 PM (12:00 plus 5 Min.). Hence the new end time of the Auction is 12.05 PM. However, In case a bid is submitted prior to 11:56 i.e., before the 'Remaining time trigger', Auction shall not get extended and the same gets closed at 12:00.

Further, during the Auto extension period of the Auction, if a bid is submitted by any bidder after 12.01 PM. (in the last 4 minutes) of the auction the auction end time gets extended up to 12.10 PM. (12:05 plus 5Minutes). In case the bid is submitted by any bidder from 12.00 to 12.01 PM, auction end time will not get extended because it is not within the period of REMAINING TIME TRIGGER of 4 minutes and Auction end time shall be 12:05.

Important Note :

Bidders have to ensure continuous internet connection during the live auction. If the bidders' internet connection gets disturbed, the details in the auction window will not get refreshed upon fresh bids in the auction. Bidders cannot see the latest bids submitted in the auction after the disconnection. If a bidder's Rank is 1 for any item, it will continue to remain as 1 in their screen even if other bids are submitted in the auction if internet connection is not proper/disturbed. Even the time remaining will continue to reduce. It is the responsibility of the bidder to maintain the uninterrupted internet connection during live auction. Since auto refresh is not possible during disconnection, click F5 button in your keyboard to refresh the auction screen. If proper internet connection exists Bidder's screen gets refreshed else if there is any connection problem Bidder will get error screen/message upon pressing F5. If Bidder gets error screen, bidder should login again and come back to Auction cockpit after restoring proper internet connection to view the latest status in the auction cockpit. It is advisable to click on F5 frequently and every 20 seconds during extension time to manually refresh the live-auction cockpit screen. RINL does not accept any responsibility for issues related to non-participation due to internet connection problems at vendor's end.

14 GENERAL INSTRUCTIONS:

- 1) The documents submitted by the tenderers in respect of pre-qualification evaluation criteria are final and no further correspondence / clarifications / submissions in this regard shall be entertained.
- 2) Scope of work, Bill of Quantities (BOQ), Terms and Conditions, given in the tender documents (placed in the cFolder Publisher area) 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 are found tampered / altered / incomplete, they are liable for actions like rejection of the tender, cancellation and termination of the contract, debarring etc., as per the rules of the company.
- 3) It will be presumed that the tenderers have gone through the General Conditions, Special Conditions and Instructions to tenderer etc., of the contract available in the website which shall be binding on him / them.
- 4) The tenderer shall download the NIT documents etc (TENDER SCHEDULE) available in Tech RFx cFolder Publisher Area on the RINLs SRM Portal in totality and upload the same along with the Undertaking letter in Tech RFx cFolder.
- 5) The bidder shall be governed by the General Conditions of Contract of Supply which is available on VSPs website which can be freely accessed and downloaded.
- 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.
- 7) (i) Tenderers shall submit GST Registration Certificate under GST act if available. If not available the successful tenderer shall produce Registration Certificate under GST Act, wherever applicable, before signing the Work Order / Letter of Acceptance and submit a copy of the same.
(ii) Tenderers shall submit the PF Registration Certificate if available, if not available successful tenderer shall submit PF Registration Certificate before commencement of the work.
- 8) 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) 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/ false/ 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. Security Deposit if any will be forfeited. The contracting agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation anywhere in VSP will also be terminated with attendant fall outs like forfeiture Security Deposit, if any, and recovery of risk and cost charges etc., Decision of V.S.P Management will be final and binding.
- 10) The date of opening of the PQC and Tech RFx response shall be the date of tender opening.

11) 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 Electrical License/ any other documents etc. submitted earlier would result in disqualification and also liable for debarring from participation in VSP tenders.

12) RINL will not be responsible for any delay/ loss/ any website related problems in downloading the tender documents etc. RINL reserves the right to (A) Split and award the work to more than one agency, (B) 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 thereof.

13) Initial Security Deposit (ISD) shall be 2% of the contract value. Security Deposit / Retention Money at the rate of 3% of the executed value will be deducted from each R.A. Bill until this amount together with ISD will become 3 % of the contract value. This supersedes the clauses pertaining to Security Deposit / Retention Money in Special Conditions of Contract (SCC) and General Conditions of Contract (GCC).

14) The punitive action of debarring the agency for a period of 3(Three) years for the reasons mentioned in the Bid Security Declaration shall supersede the related clauses of Special Conditions of Contract (SCC) as given below:

(a) Withdrawal/modification of bid after tender opening and during the period of bid validity stipulated in the tender document or any extension thereof (Clause No.27 of SCC)

OR

(b) Having been notified of the acceptance of the Bid by RINL, during the period of bid validity, if the agency

(i) Fail or refuse to execute the Contract.

(or) (Clause No.31 of SCC)

(ii) Fail or refuse to furnish the security deposit, as stipulated in the Tender Document/ Work Order/ Letter of Acceptance/ Purchase Order Clause No.33 of SCC)

15) Planning and Designing in purview of Vulnerability Atlas of India:

a. Vulnerability Atlas of India (VAI) is a comprehensive document which provides existing hazard scenario of the entire country and presents the digitized State/UT-wise hazard, maps with respect to earthquakes, winds and floods for district-wise identification of vulnerable areas. It also includes additional digitized maps for thunderstorms, cyclones and landslides. The main purpose of this Atlas is its use for disaster preparedness and mitigation at policy planning and project formulation stage.

b. This Atlas is one of its kind single point source for the various stakeholders including policy makers/ administrators/ municipal commissioners/ urban managers/ engineers/ architects/ planners/public etc. to ascertain proneness of any city/location/site to multi-hazard which includes earthquakes, winds, floods, thunderstorms, cyclones and landslides. While project formulation, approvals and implementation of various urban housing, buildings and infrastructures schemes, this Atlas provides necessary information for risk analysis and hazard assessment.

c. The Vulnerability Atlas of India has been prepared by Building Materials and Technology Promotion Council under Ministry of Housing and Urban Affairs, Government of India and available at their website www.bmtpc.org.

d. It is mandatory for the bidders to refer Vulnerability Atlas of India for multi-hazard risk assessment and include the relevant hazard proneness specific to project location while planning and designing the project in terms of:

I. Seismic zone (II to V) for earthquakes

II. Wind velocity (Basic Wind Velocity: 55, 50, 47, 44, 39 and 33 m/s)

III. Area liable to floods and Probable max. surge height

IV. Thunderstorms history

V. Number of cyclonic storms/ severe cyclonic storms and max sustained wind specific to coastal region

VI. Landslides incidences with Annual rainfall normal

VII. District wise Probable Max. Precipitation

15 INSTRUCTIONS TO TENDERERS ON E-TENDERING/E-AUCTION:

For use of the RINL e-procurement (SRM) system and before submitting bid, a Vendor/Bidder should understand the e-tendering process by going through user manual which is available in our portal <https://srm.vizagsteel.com> and the NIT of related tender (RFx).

Vendor is responsible for all the necessary requirements including infrastructure in proper condition i.e. Computer, operating system and software platform (including browser) , antivirus, network connectivity, internet services, uninterrupted power supply to computer or networking equipment etc., availability of correct user id and password etc so that the participation in the RFx and/or auction during e-procurement process is not affected. Any interruption at vendor's end due to non-availability of the above facilities will not be entertained as reason for review of the RFx and/or Auction participated or intended for participation by the Vendor.

Understanding the bidding method and entry of correct data (Entering Correct Price Information) during e-procurement process against the RFx and/or Auction is totally the responsibility of the Vendor. During e-procurement process (RFx stage and/or Auction) it will not be possible to explain the bidding process to the Vendor. Vendor should ensure all queries and know-how are completed with the help of user manuals and mock/trial auctions available in the SRM portal before the start of e-procurement (RFx or Auction) process to ensure smooth participation in RINL's e-tender/e-auction

| | | |
|--|-------------------------------------------------------|--|
| | RINL VIGILANCE TOLL FREE NUMBER: 1800 425 8878 | |
|--|-------------------------------------------------------|--|

SD/-

K V RAMANA RAO

1 INSTRUCTIONS TO TENDERERS:

1) Tender shall be submitted in the prescribed form issued by VSP in the RINL SRM Portal, Government Portal. The Tender documents issued are not transferable. Tender documents downloaded shall be submitted wholly without detaching any part.

2) The Tenderer shall agree to VSPs terms and conditions, specifications/ scope of work, etc., and quote their Total Amount in figures only. Tender shall be for the entire scope of work mentioned in the tender documents.

3) Price condition: Tenderers shall quote the price of the goods or services, excluding GST. Applicable GST shall be indicated against each item and will be paid extra on submission of tax invoice.

In case tenderer opted for composition scheme, GST will not be charged extra and the price quoted includes the GST applicable to composite scheme. Tenderers have to specify that they have opted for composition scheme and GST is included as applicable for composition.

Evaluation criteria:

1. In case of supply of goods or services on which RINL / VSP is eligible to avail GST input Tax Credit, evaluation of tender shall be on the basis of landed cost excluding GST.

2. In case of supply of goods or services on which the employer (RINL/VSP) is not eligible to avail GST input tax credit, the applicable GST payable by RINL/VSP (in case of unregistered taxable supplies) or GST to be charged by the registered taxable supplier as applicable, shall be added to the landed cost for evaluation purposes.

4) If by any reason the tender opening is postponed to any other date, the same will be placed in RINLs SRM Portal and in CPPP portal. Tenderers shall see the SRM Portal / CPPP portal regularly and keep themselves informed in this matter.

5) 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.

6) Tenders shall be kept open for acceptance for a period 4 (Four) MONTHS from the date of opening of tender.

7) Corrections/ amendments/ replacement to/ of the Deficient documents submitted, shall not be sought where there is evidence of Tampering/Unauthorized correction

2 EXEMPTIONS / PREFERENCES FOR MSEs:

1) EXEMPTIONS / PREFERENCES FOR MICRO AND SMALL ENTERPRISES:

1.1 Micro and Small Enterprises (MSEs) registered with any of the following bodies shall be provided exemptions / preferences, under this clause, in respect of procurement of goods and services, produced and provided by them (irrespective of whether the service is provided within or outside their premises) through the present tender, subject to submission of proof of registration with any of the following agencies as on the Tender Opening Date (TOD):

- a. District Industries Centre (Acknowledgement of Entrepreneur Memorandum i.e., EM Part II).
- b. Khadi and Village Industries Commission
- c. Khadi and Village Industries Board
- d. Coir Board
- e. National Small Industries Corporation (NSIC)
- f. Directorate of Handicrafts Handloom.
- g. Udyog Aadhaar Acknowledgment/Udyog Aadhaar Memorandum issued by Ministry of MSME.
- h. Any other body specified by Ministry of MSME.

1.2 Exemptions: MSE(s) shall be provided exemption from submission of Security Deposit (SD) / Retention Money, subject to the following:

- a. Tender documents shall be downloaded by the tenderer from the websites notified by the company (such as www.vizagsteel.com, <https://eprocure.gov.in>)
- b. Performance Guarantee Bond of requisite value in the prescribed pro-forma shall be submitted by the tenderer in lieu of Security Deposit / Retention Money. The exemption from submission of Security Deposit / Retention Money shall be up to the monetary limit, if any, specified in the MSE registration.

1.3 Purchase Preference: MSE(s) shall be provided Purchase Preference, under the following conditions:

- a. The work is envisaged to be awarded in more than one package to more than one tenderer, as stated in the tender.
- b. The offer of the MSE(s) is within the band of L-1 + 15 percent and the MSE(s) becomes eligible for Purchase Preference by matching the L-1 offer, after negotiation, if any.
- c. In case the L1 tenderer is also an MSE, the value of package considered for award to such L1 MSE is less than 25% of the total value of work.

The MSE(s) eligible for Purchase preference shall be considered for award of contract, in the order of ranking as below:

- a. MSE(s) owned by SC and ST entrepreneurs till the value of package(s) considered for award to MSE(s) (including the L-1 tenderer, if MSE owned by SC and ST entrepreneurs) equals or exceeds 4% of the total value of work.
- b. MSE(s) owned by women till the value of package(s) considered for award to MSE(s) (including the L-1 tenderer, if MSE owned by women) equals or exceeds 3% of the total value of work.
- c. Other MSE(s) eligible for Purchase Preference till the value of package (s) considered for award to MSE (including the L-1 tenderer, if MSE) equals or exceeds 25% of the total value of work.

*Note: The MSE's desirous of getting preference as per the above clauses (SC and ST owned MSE's & Women owned MSEs) are required to submit the proof of the same along with the tender documents

The decision of RINL regarding the packages to be considered for award to MSE(s) shall be final and binding. The successful MSE(s) shall ensure that the registration is valid till end of the contract.

1.4 Payment of bills to the MSE's shall be made 'on or before the date agreed upon' as per the terms & conditions of the contract or within 45 days whichever is earlier, from the date of receipt of bill, complete in all respects, by the Engineer in-charge.

PRE-QUALIFICATION REQUIREMENT

The following are the pre-qualification requirements to be uploaded in Techbid c folder by the tenderer.

- (a) 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 Notarized partnership deed OR a copy of Memorandum of Association & Articles of Association, along with certificate of registration – whichever is applicable.
- (b) For Turn Over Audited balance sheets certified by Practicing Chartered Accountant with Stamp & Membership No. in case the annual Turn-over is more than Rs.100.00 Lakhs (OR) in case of Turn-Over being less than Rs.100.00 lakhs either Turn-over certificate in the prescribed format of VSP duly signed by a practicing Chartered Accountant/Cost Accountant with Stamp and Membership No. (OR) T.D.S. certificate(s) comprising of the Gross bill values issued by the Deductor(s) for the work done.
- (c) Copy of Provident Fund Registration Certificate if available. If not available, successful tenderer shall submit PF Registration Certificate before commencement of the contract to Engineer Incharge.
- (d) Copy of GST Registration Certificate if available. If not available, the same shall be submitted before signing the order.

SINGLE SIMILAR WORK EXPERIENCE REQUIREMENT:

- 1) "AGENCIES SHALL HAVE EXPERIENCE IN "OPERATION AND MAINTENANCE OF CENTRAL AIR CONDITIONING PLANT & CORRESPONDING AIR HANDLING UNITS, etc., PACKAGE AIR CONDITIONNERS AND SPLIT AIR CONDITIONERS" are only eligible.
- 2) **Statutory requirements:** Agencies shall have valid "B" Grade Electrical license issued by any state Licensing board / Authority" shall only be considered.

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:**31.10.2021** and Turnover shall be the average Annual Financial Turnover during the last three years ending **31st March** of the previous financial year i.e.**31.03.2021**. The tender document shall be accompanied with copies of

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 Goods & Service Tax (GST). In case of work executed outside VSP, and where the total amount includes GST, tenderers shall make efforts to get the value of GST 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 Goods & Service Tax (GST) with certification of satisfactory performance of the Contractor to that extent and continuance of the said work by the respective employer.

INTEGRITY PACT:

- a) **Tenderers are required to unconditionally accept the “Integrity Pact” enclosed to the tender document and shall submit the same duly signed along with their offer. Offer of the tenderers received without Integrity Pact duly signed, shall not be considered.**
- b) **The External Independent Monitors (EIMs) are Air Marshal Naresh Verma, IAF(Retd) & Shri B Prasada Rao, Ex-CMD,BHEL are placed in VSP website.**
- c) **The nodal Officer is Shri. Ajay Kumar Das, General Manager (MM), VSP. He can be contacted at P&T: 0891-2518292 & Mobile No. 9866021635 and at e-mail dasak@vizagsteel.com**
- d) **Smt. M. Sheela Priyadarshini, Chief General Manager (MM), VSP is the 'Alternate Nodal Officer' during the absence of Sri. Ajay Kumar das, General Manager (MM). She can be contacted at Phone No. 9849801258 and at e-mail sheelamsp@vizagsteel.com**

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.

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 GST Registration Certificate under GST Act, before signing the Work Order / Letter of Acceptance and submit a copy of the same. If the agency is unregistered / composition scheme declaration shall be submitted.**
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 GST 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) Supplier of Services / Goods shall comply with the GST provision as prescribed. In case of failure to comply with the GST provision by the Supplier thereby RINL could not obtain GST-ITC or ITC is reversed with interest at a later date the equivalent amount of ITC lost including interest paid, if any, to GST Authorities shall be recovered from the immediate payment due to the supplier of service.
d) The prices are exclusive of GST. RINL-VSP will pay GST as applicable on submission of Tax Invoices in accordance with Rule 46 of GST Rule 2017.
The contractor will be paid GST by RINL-VSP along with monthly RA bills. The contractor will, in turn, submit the documentary evidence in support of payment of GST of each month along with subsequent month RA Bills.
The Supplier/Contractor shall upload the details of Invoices issued by him in the monthly return (GSTR-1) of the month in which Tax Invoices are raised to enable RINL to claim Input Tax Credit under GST. Otherwise, Payment of GST will not be made.
11. ADVANCE: No advance of any sort will be given by VSP.
12. PAYMENT TERMS: Payment will be made monthly on recommendations of the Engineer basing on the quantities executed, at accepted rates.
13. MEASUREMENTS: The contractor shall take measurements jointly with the Engineer or his representative and keep joint records for the same. Bills shall be prepared and submitted by the contractor basing on agreed measurements.
14. INITIAL SECURITY DEPOSIT (ISD): Initial Security Deposit for the work shall be @ 2% of contract price. Earnest Money Deposited by the successful tenderer shall be adjusted against ISD, and the difference between ISD and EMD shall be deposited in the manner mentioned in the work order/letter of intent.
15. RETENTION MONEY: Retention Money for contracts up to a value of Rs. 100 lakhs, at the rate of 7.5% of the bills for works with defective liability period *not NIL* and at the rate of 5.0% *for works with defective liability period "NIL"* will be deducted from each bill until this amount together with the Initial Security Deposit reach the limit of retention which is 7.5% or 5.0% as the case may be for the value of work. The Retention Money shall be released after the satisfactory completion of defect liability period after liquidating the defects. For contracts of value above Rs.100 Lakhs, the limit of retention money shall be Rs.7.5 lakhs plus 5% of the value exceeding Rs.100 lakhs.
16. Security Deposit: : The Public Sector Enterprises or State/Central Government Undertakings/ MSEs shall be required to submit a "Performance Guarantee Bond" of requisite value in the prescribed proforma in lieu of Security Deposit covering the period of contract + defect liability period + 6 months (Claim period). It may be noted that waiver of Security Deposit is permitted only up to the monetary limit as specified in the proof of enlistment for which the unit is registered for MSEs.
17. Recovery of income tax at source will be made from contractor's bill and deposited with Income Tax Department as per rules. Recovery of sales tax applicable shall be made from the contractor's bills.

18 . SAFETY:

- a) The contractor and his workers must strictly take all safety precautions and shall supply to his workers dependable safety appliances like hand gloves, safety boots, safety belt, safety helmets, duster cloth, dust mask/nostril filter etc. In addition to this, contractor shall also provide additional safety appliances as per requirement and follow safe working practices like using fully insulated electrode holders etc. He shall also ensure that his workmen intelligently use only dependable safety appliances supplied to them.
- b) The contractor shall take adequate safety precaution to prevent accidents at site. The contractor shall also ensure that his employees observe the statutory safety rules and regulations and also those laid down by the employer from time to time and promptly submit report of accident and state the measures taken by him to prevent their recurrence and also keep the employer indemnified of all claims arising out of such accidents.
- c) No Workmen shall be engaged on the work without proper safety induction and without using required PPE. Use of safety helmet and shoe is must excepting in painting works where shoe will not be used.
- d) All the safety appliances required for safe working as decided by SED/Contract operating department shall be provided by the contractor to his workmen.
- e) Clearance to start the job will be obtained by the contractor in form 'A&B' before start of work. The forms may be obtained from the dept. concerned.
- f) Works at height cannot be started without clearance from Zonal Safety Officer. The workers engaged for work at height shall possess height pass from SED. The names of workmen working at height or in hazardous areas will be written on the body of form "B".
- g) Contravention of any safety regulation of VSP in vogue from time to time will result into work stoppage, levying penalties and ultimately in contract termination.

The list of safety violations by Contractor category wise are as follows:

- I. Category-I of Safety Violations:
 Penalty amount: First offence Rs.1000/-, 2nd or subsequent offences Rs.2000/-
 For Works / Non-works.
 Penalty amount: First offence Rs.1000/-, 2nd or subsequent offences Rs.2000/-
 For Projects

- (1) Not wearing crash helmet while riding Two-Wheeler in plant premises.

- II. Category-II of Safety Violations (Minor Violations):
 Penalty amount: Rs.3000/- - For Works / Non-works.
 Penalty amount: Rs.5000/- - For Projects

A. HEIGHT:

- (1) Height Pass not made / not available;
- (2) Unauthorized entry at height / hazardous locations;
- (3) Fall arrester not provided / used;
- (4) Horizontal life line / guide rope not provided for anchoring full body safety harness.

B. EXCAVATION:

- (1) Proper ladder/steps not provided for descending / ascending;
- (2) Shutting not done (below 2 mts. Level) of excavation;
- (3) Overhanging burden in pit not removed in excavation;
- (4) Excavated materials left near the edge of the pit.

C. ELECTRICAL:

- (1) Power cable clamped with G. I. Wires to post / pillar;
- (2) Power cables tied on reinforce rod / structure without proper insulation;
- (3) Loose connection taken from sockets without proper plug;
- (4) Taking shelter behind electrical panel;
- (5) Power cables / electrical wires lying on ground in hap-hazard manner;

- (6) Source of supply / danger board not displayed on the electrical equipment;
- (7) Electrical Control Post not provided with Barricade / Shelter / Canopy;
- (8) Cables used having many joints;
- (9) Earthing not provided on Electrical Equipments;
- (10) ELCB not installed.

D. MATERIAL HANDLING:

- (1) Use of damaged slings / tools / ropes;
- (2) Fitness certificate of cranes / hydras / heavy vehicles not available;
- (3) Crane rope conditions not ok;
- (4) Rope of crane not clamped properly;
- (5) Guy ropes not used during shifting of materials.

E. GAS CUTTING:

- (1) Rolling / lifting of cylinders (without cage);
- (2) Gas cutting without required PPEs;
- (3) Gas hose pipe clamping done by wires;
- (4) Usage of LPG Cylinder beyond date of expiry;
- (5) Wet bags / covers not put on gas cylinder;
- (6) Loading / Unloading of cylinder – cushion not given.
- (7) Condition of hose pipe not good;
- (8) Working with leaking cylinder;
- (9) Flash Back Arrestor not provided at Torch / Cylinder ends;
- (10) Colour coding of gas cutting of hoses not followed.

F. ARC WELDING:

- (1) Welding with non-standard holder
- (2) Welding machine earthing not done (Double body earthing);
- (3) Using improper welding cable;
- (4) Welding cables used with many joints;
- (5) Lugs not provided for connecting cables to welding machines;
- (6) Local isolation switch not provided on welding machines.

G. PPEs:

- (1) Non usage of PPEs at site such as Safety Helmet, Shoes, Goggles, Hand Gloves, Face Shields etc., as per requirement.

H. VEHICLE:

- (1) Driving of heavy vehicles on the main road during restricted hours & restricted routes;
- (2) Parking at unauthorized place;
- (3) Using of truck with damaged body;
- (4) Dropping / Spillage of material on the road;
- (5) No number plate on vehicle;
- (6) No head light / signal lights / brake light / horn / reverse horn on the vehicle;
- (7) Types of vehicle having patching / bolting;
- (8) Violation of approved speed limits during plying on the road;
- (9) No front / rear wheel guards on Hydra;
- (10) Un-authorized dumping of material;
- (11) Driving license not available / in-valid;
- (12) Driving of two wheeler carrying more than one pillion rider;
- (13) Driving dangerously;
- (14) Overloading of vehicles;
- (15) Talking on cell phone while driving;

- (16) Vehicles transporting loads without tying / securing of loads / stock protruding out of the truck body / without red flags / red lights, side guards, damage;
- (17) Drunk & driving;
- (18) Non availability of reverse horn of moving equipment;
- (19) Using hydra for material transportation on roads;
- (20) Marching of hydra without signal man & red flags;
- (21) Using trucks for transportation of persons.

I. PERMITS:

- (1) Working without work permit / shut down
- (2) Not putting red flags / stopper
- (3) Dismantling of structure without authorized plan
- (4) Unauthorized oxygen tapping
- (5) Working on VSP installations without permission
- (6) Critical / heavy erection of structures without authorized plan.

J. GENERAL:

- (1) Not having proper gate passes / other area passes
- (2) Not reporting of accident
- (3) Hand grinders / mixer machines without guard
- (4) Make-shift arrangement for job execution
- (5) Engaging workers without safety training
- (6) Using of defective tools
- (7) Unauthorized operation of equipment

K. STATUTORY RECORDS:

- (1) Safe Working Load (SWL) Certificates of lifting machines / equipments not valid / not available / details not displayed on the equipment
- (2) Valid Test Certificates of Electrical Hand Gloves / Full Body harness not available
- (3) Eye examination records of vehicle / crane operators not available
- (4) Electrical Authorization not available
- (5) Vehicles plying without valid insurance, valid fitness certificate, valid pollution under control certificate.

III. Minor subsequent – Repetition of safety violations as detailed under Category – II above

Penalty amount: 1st repetition of violation Rs.12,000/-, 2nd repetition of violation onwards Rs.24,000/- - For Works / Non-Works

Penalty amount: 1st repetition of violation Rs.15,000/-, 2nd repetition of violation onwards Rs.25,000/- - For Projects

IV. Category – IV of Safety Violations (Major Violations)

Penalty amount: Rs.20,000/- - For Works / Non-Works

Penalty amount: Rs.40,000/- - For Projects

HEIGHT:

- (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
- (4) Throwing / dropping of material from height
- (5) Proper ladder / approach not given for working at height
- (6) Full body harness (FBH) not wearing
- (7) Lifeline of FBH not anchoring
- (8) Floor opening left unguarded in the area of work
- (9) Working at roof without daily permit
- (10) Walkway / cross over path not provided

EXCAVATION:

- (1) No barricading of excavated pits

ELECTRICAL:

- (1) Unauthorized working on electrical equipment

VEHICLE:

- (1) Sleeping under truck

ARC WELDING:

- (1) Welding screen not used

GENERAL:

- (1) Absence of Supervisor at work site
- (2) Leaving loose sheets on the roof tops

V. Fatal Accidents / Permanent disability

Penalty amount: 20% of contract value subjected to Min. Rs.1.00 lakh and Max. Rs.5.00 lakhs or banning of business dealing or both. – For Works / Non-Works

Penalty amount: 10% of contract value subjected to Min. Rs.5.00 lakhs and Max. Rs.10.00 lakhs or banning of business dealing or both. – For Projects

Note:

- 1) Any other violation which is not listed above having potential to endanger human life / Property shall be liable for penalty under any of the categories listed above.
- 2) Independent of the above, the contractor shall be debarred from taking up further contractual work in VSP in case any repeated fatal accident after 3rd incident for the reasonable attributable to Contractor.
- 3) The Safety violations have been classified into five categories (I to V). Without prejudice to the right conferred by the Clause No. 16(g) of Special Conditions of Contract for stoppage of work for violation of safety rules, the contractor shall be liable for penalty at the rates as indicated depending upon the category of violation.
- 4) 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.
- 5) 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.

AUTHORITY FOR IMPOSING PENALTIES:

- 1) Penalty for violations falling under the Categories (I), (II) & (III) will be imposed by Engineer Incharge based on the findings by the designated officer of SED / Departmental Safety Officer / Zonal / Project Safety Officer / Operating Authority, a copy of the penalty imposition .
 - 2) Penalty to the violations falling under the Categories (IV) & (V) will be imposed by the Engineer Incharge, based on the recommendation of Head of SED in consultation with the Head of Operating Department.
 - 3) The penalty amount shall be recoverable from any bill and / or EMD / SD of the contractor without any further reference to him.
 - 4) For violations falling under the Category (V), besides penalty action for banning of business dealings with the contractor will be initiated, if recommended by the committee for enquiring into fatal cases.
- 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:
- i) Time for mobilization after issue of FAX Letter of Intent/detailed Letter of Intent / Work Order shall be;
 - a. 03 (Three) days for Capital Repairs
 - b. 15 days for Civil Works
 - c. 60 days for painting works of Structural Engineering Department
 - d. 07 (Seven) days for Annual Mechanical, Electrical and works of technological assistance/cleaning.
 - ii) Re-starting the work after disruption shall be within 04 (Four) to 06 (Six) hours after the cause of disruption is removed as decided by the HOD.
 - iii) Notice period for Contract Termination shall be - 03 (Three) hours in the event of breakdowns, 02 (Two) days in Capital Repairs and 10 days in other works.
- Failure to adhere to above stipulations may result in Termination of contract at risk & cost and will make the party liable for debarring for a period o 2 (Two) years.*
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:

$$V=a*(USR-USRo)+b*(SSR-SSRo)+c*(SKR-SKRo)$$

WHERE:

V = Escalation Payable

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 Rs.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 @ Rs.80.76ps per day of actual attendance of each worker deployed in the contract not exceeding Rs.2100/- per month in addition to the wages as indicated in the minimum wages clause of Special Conditions of Contract . The contractor will submit his claim with proof of such payment made in this connection in the RA Bill and the same amount will be reimbursed/paid to him.
- 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.
- 37.2.2. 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.
- 37.2.3. 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 ----NIL SSK ----NIL, SK----NIL
- 2) Component ----- Retrenchment compensation
Recovery amount per labour per every working day -----
USK ----Rs.22.91 ps, SSK ----Rs.25.87 ps, SK----Rs.30.33 ps
- 3) Component ----- Leave with wages
Recovery amount per labour per every working day
USK ----Rs.28.20 ps, SSK ----Rs.31.84 ps, SK----Rs.37.33 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.51.11 ps, SSK ----Rs.57.71 ps, SK----Rs.67.66 ps

- 4) Component ----- Bonus
Recovery amount per labour per every working day
USK ----Rs.45.80 ps, SSK ----Rs.51.72 ps, SK----Rs.60.64 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.96.91 ps, SSK ----Rs.109.43 ps, SK----Rs.128.30 ps
10% towards profit and over heads of contractor
USK ----Rs.9.69 ps, SSK ----Rs.10.94 ps, SK----Rs.12.83 ps
Total recovery amount
USK ----Rs.106.60 ps, SSK ----Rs.120.37 ps, SK----Rs.141.13 ps

Note:

- i) The above recovery rates are effective from 01/10/2020. 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.
- iii) The contractor shall have to pay the Terminal Benefits like Notice pay (if notice is not served by the contractor to the workman as per statutory requirements), Retrenchment compensation, Annual leave with wages and bonus to the contract labour as per statutory provisions applicable to them at the end of the work order or extension of contract, if any and as the case may be, through Bank and submit the proof thereof for the release of Pre-Final/ Final Bill by RINL to the contractor, failing which it will be deemed that the contractor had not paid the dues to the contract labour and RINL will release the terminal benefits payable to the contract labour engaged by the contractor by defraying the same from the amount recovered by and available with it towards the terminal benefits from the bills of the contractor and any other sums of the contractor available with the RINL, further the contractor will be debarred for a period of one year from participating in any of the RINL's future tenders from the date of the order

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:

Design:

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 INPUT TAX CREDIT (ITC) AGAINST GST:
- a) The successful tenderer shall take necessary steps to comply with the rules and provisions of GST law facilitating VSP to avail ITC.
 - b) Price condition: Tenderers shall quote the price of the goods or services excluding GST. Applicable GST shall be indicated against each item and will be paid extra on submission of tax invoice.
In case tenderer opted for composition scheme, GST will not be charged extra and the price quoted includes the GST applicable to composite scheme. Tenderers have to specify that they have opted for composition scheme and GST is included as applicable for composition.
Evaluation criteria:
 - 1. In case of supply of goods or services on which RINL / VSP is eligible to avail GST input tax credit, evaluation of tender shall be on the basis of landed cost excluding GST.
 - 2. In case of supply of goods or services on which the employer (RINL/VSP) is not eligible to avail GST input tax credit, the applicable GST payable by RINL/VSP (in case of unregistered taxable supplies) or GST to be charged by the registered taxable supplier as applicable, shall be added to the landed cost for evaluation purposes.
 - b) The tax invoice raised by the Contractor should clearly mention VSP as the recipient. It should be ensured that material has been delivered along with the duplicate for transporter copy of the tax invoice, based on which Input Tax Credit is to be claimed.
 - d) The duty paying documents shall be submitted as soon as the material is procured by the agency for incorporation in the work. In case the material is supplied from a third party, it should be backed up with a GST Tax Invoice from Contractor.
 - e) 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 GST Act.
- 43.1 Vendor/Supplier/Contractor shall comply with all the necessary statutory compliances including but not limited to providing GST invoices or other documentation as per GST law relating to the above supply/service to RINL, uploading the details of the invoice, payment of taxes, timely filing of valid statutory returns for the tax period in the Goods and Service Tax Portal.
In case of Input Tax Credit of GST is denied or demand is recovered from RINL on account of any act of the Vendor, including but not limited to non-payment of GST charged and recovered, non-generation of E-Way Bill, non-filing of Returns, non-uploading/improper uploading of valid invoices raised on RINL in the Returns etc., the Vendor/Supplier/Contractor shall indemnify RINL in respect of all claims of tax, penalty and / or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. Such amount shall be recovered from any payments due to the vendor/supplier/contractor or from security deposit or any other amount available in the same contract or in other contracts including future contracts.
If any tax has been paid by the vendor/supplier/contractor in pursuance of any demand on account of suppression, fraud or willful misstatements of facts, then the same shall not be passed on to RINL through debit notes or invoices or supplementary invoices.
44. RINL reserves the right to reject the offers of tenderers whose performance is poor in awarded / ongoing works if any.
45. If the tenderer's quoted price appears to be abnormally low, the Tender Committee may seek written clarification from the bidder to demonstrate his capabilities to deliver the contract at offered price. In case the Tender Committee is not satisfied with the tenderer's clarifications, the proposal/bid may be rejected. Such tenderer may be recommended for disqualification from participating while retendering the subject work.

Scope of Work

Work Desc: Operation and maintenance of Administration building & Outside periphery AC plants

- 1 Operation and Maintenance of Central A/C systems at Administration Building, MP hall, Gurajada Kalakshetram, steel club and Training & Development center.
Maintenance of Package/Split systems at Hill top guest house, Billiards & Cards rooms of Ukku club, Bar rooms of Ukku club, Party room of Ukku club, Restaurant of steel club, Library of Training & Development Centre, Dining section of Gurajada Kalakshetram and Data Centre 2 (ERP) in Admn.Bldg.
- 2 Checking of A/C systems and monitoring for any oil or gas leakages and rectification/ repair/ replacing/ replenishing of the defective items.
- 3 Checking of Pressure cutouts (HP/LP/OP/WP), Freon Pressure gauges, Water pressure gauges, Expansion valves, Water temperature gauges, Refrigeration line valves, Strainer/driers, Thermostats, Solenoid valves, and etc. and rectification / repair/replacement of the defective items
- 4 Checking of electrical equipments like Safety circuits, SFUs, Timer relays, Single Phase Preventers, Contactors, OLRs, Selector Switches, Ammeters, Voltmeters, circuit breakers, MCBs, MCCBs, indication lamps, push buttons, etc. and rectification / repair / replacement of the defective items.
- 5 Checking of all motors connected to Compressors, Pumps, Cooling Towers, AHUs, FCUs, PACs, SACs, ventilation fans, exhaust fans and rectification / repair / replacement of defective parts.
- 6 Checking of bearings, couplings/belts, pulleys connected to all Motors, Compressors, Pumps, Cooling Towers, AHUs and rectification/repair/replacement of defective parts.
- 7 Checking of all Water pipe lines, water line valves including non-return check valves, water strainers and repair/ rectification/ replacement of defective parts.
- 8 Checking, rectification, repair and replacement of GI ducting, thermal / acoustic insulations, dampers, tinkering, welding and painting to ensure smooth function of the equipments.
- 9 Checking, maintaining and ensuring smooth function of the equipments without any abnormalities in noise, vibration, temperature and pressure /current and carrying out rectification/repair/replacement of defective parts.
- 10 Technical parameters like temperature, vibration & current of various motors, temperature & vibrations of various pumps & compressors, 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.
- 11 Cleaning of AHUs, FCUs, Cooling Towers and Water filters. Lubricating the valves, bearings and all other moving parts.
- 12 The contractor shall prepare and submit the daily status reports as per the Clause No. 9 of TERMS AND CONDITIONS of contract.
- 13 Attending and rectification of all the break-downs and day to day operational complaints immediately as per the clause No. 13 of TERMS AND CONDITIONS of Contract..
- 14 Maintaining the A/C system parameters & conditioned space temperatures within the limits as prescribed in the Clause No. 16 of TERMS AND CONDITIONS of Contract.
- 15 The contractor should adhere to the following conditions for Planned Preventive Maintenance schedules as per the Clause No. 22 of TERMS AND CONDITIONS of Contract.
- 16 The contractor shall carry out the yearly maintenance jobs as per the Clause No. 23 of TERMS AND CONDITIONS of Contract.

- 17 The contractor shall carry out the capital maintenance jobs as per the Clause No. 24 of TERMS AND CONDITIONS of Contract.
- 18 The contractor shall carry out the taking over (starting of the contract) & handing over (end of contract) of A/C equipments as per the Clause No. 25 & 26 of TERMS AND CONDITIONS of Contract respectively.
- 19 The contractor shall carry out the Modification works as per the Clause No. 27 of TERMS AND CONDITIONS of Contract.
- 20 The contractor shall carry out the Miscellaneous jobs as per the Clause No. 28 of TERMS AND CONDITIONS of Contract.
- 21 The contractor shall carry out the Maintenance jobs for new A/C plants which may be added in the contract period as per the Clause No. 29 of TERMS AND CONDITIONS of Contract.
- 22 The present equipment may be upgraded with new equipments and whenever new equipment is available for replacement.
- 23 Housekeeping of Central AC plants, Package AC plants and Air Handling unit rooms are to be maintained always at the level of 5S.
- 24 PACs & SACs are to be maintained as per clause no.31 of TERMS AND CONDITIONS of Contract.

Terms & Conditions

Work Desc: Operation and maintenance of Administration building & Outside periphery AC plants

- 1 The tenderer should have valid electrical license and experience in R & A/C field. The tenderer should visit and study each and every equipment /item/ parts of the A/C 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 A/C plants shall be operated by the contractor as per the requirement of the user departments including Sundays and all Holidays with skilled/SemiSkilled personnel. The contractor shall be prepared to operate the plants round the clock on any day. The operational charges shall be paid on hourly basis based on the user department /ACS department certification as given in the BOQ (Item no.6). The Package A/Cs shall be operated by the user department personnel as per their requirement including Sundays and Holidays.
- 4 The Air-conditioning plants shall be operated & maintained strictly as per the maintenance instructions provided by the equipment supplier/VSP.
- 5 It shall be the responsibility of the contractor to 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. No workmen/ vehicle without valid identity card/ vehicle pass will be allowed to perform the work.
- 6 The contractor shall ensure presence of supervisor. If supervisor has not reported on any week day, penalty shall be levied at 120% of the prevailing minimum wage of Skilled Worker per day.
- 07 a) Contractor shall engage sufficient workmen as per the directions of Engineer In-charge or his representative to i) carry out Maintenance work in General shift and ii) to carry out the operation of the A/C plants.
The contractor shall ensure that the plant is never kept un-manned during the operation of A/C plant by deploying minimum of 06 nos. of workmen for operation and maintenance of A/C plants and connected equipment on any week day and by deploying minimum of 02 workers on Sundays/ holidays for operation of AC plant.

If minimum manpower of 06 nos is not reported on any week day for operation and maintenance of AC plants & connected equipment and minimum manpower of 02 nos is not reported on Sundays / holidays for operation of central AC plants, penalty shall be levied at 120% of the prevailing minimum wage of respective worker per day.

b) The agency to deploy additional manpower as per requirement of Engineer on temporary basis during annual/capital repairs, modifications and miscellaneous jobs.
- 8 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 during the day and **complaint register** for recording the defects noticed/ complaints received from the customers. The

contractor should attend these complaints immediately and record the rectifications carried out in the same register. On rectification of defects, the same has to be got inspected and certified by Engineer-In charge or his representative on a regular basis. All the records/documents are to be submitted to the Engineer In-charge on monthly basis for scrutiny and safe custody.

c)The above jobs are to be ensured by supervisor

- 9 The Contractor or his Supervisor shall meet engineer In charge or his representative daily to carry out the inspection & maintenance of the plants. As per VSP's prescribed format, status report shall be prepared for central A/C plant on weekly basis and for Package A/Cs & Split A/Cs on weekly basis. The report shall be submitted to the Engineer In charge on monthly basis. The Conditioned room temperatures to be certified by user department representative once in a month. The report shall be submitted to the Engineer In charge.
- 10 The contractor shall keep all related tools and tackles including the calibrated testing instruments like multi meter, meggar, Vibration meter, infra-red thermometer, pressure gauges for both refrigerant & water and psychrometer, etc. required for attending all types of maintenance jobs and day to day works at his cost.
- 11 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, structural & gases may be provided by VSP as per necessity.
- 12 In case, the 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 latest A/T price of VSP order.
- 13 The contractor shall adhere the following conditions while carrying out the breakdown maintenance jobs.
 - a) The scope of supply/Provision of men & materials is as per the ANNEXURE - III. The cost for such repair / replacement works shall be included in the per month item (BOQ Item No. 1/2/3/4/5/7/8).
 - b) Whenever the defects are observed, the same has to be immediately brought to the notice of the VSP representative. The defects are to be attended by the contractor and after rectification of the defects; the same will be recorded in the **complaint register** and got inspected by VSP representative
 - c) The contractor shall carry-out repair/rectification works as per original scheme and bypasses or alterations are not allowed.
 - 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.
 - e) The contractor should make good at his own cost any components / parts damaged while repair / replacement or transportation by the contractor.
 - f) Whenever a defective part/ item is being replaced with a new one of VSP approved makes, the new part is to be got inspected & certified by the VSP representative/ Engineer before it is fixed in its position. The old part is to be handed over to VSP.
- 14 a) If any of the central AC compressor's motor found defective, the same shall be

- repaired by VSP free of cost. The contractor shall arrange manpower, handling at his cost. However the contractor shall carry out the PPM jobs for those motors as per the schedule. If any of the power /control cables needs replacement, the same shall be issued by VSP free of cost and the contractor has to replace without any extra cost to VSP.
- b) The repairs to items like pipe lines, valves, ducts, insulation and allied accessories required for the satisfactory performance is also included in the scope of the contractor. Costs of such repairs are to be included in the per month item (BOQ Item No. 1/2/3/4/5/7/8). However if any of the pipeline, valves, duct and insulation needs replacement, the same works shall be carried out by the contractor and the payment shall be made through Modification jobs item (BOQ Item No. 26/27/28/29/30/31/32/33/34/35).
- 15 a) The equipments/ units, where standby is there, should 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 should 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 Clauses of ANNEXURE - II. Otherwise recovery shall be made applicable.
- 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 and put in working condition with in the allowable time frame as mentioned in the recovery clauses of ANNEXURE-II. Otherwise the recovery shall be made applicable. However, these equipments shall be allowed to undergo for planned preventive maintenances as per the schedules.
- 16 The contractor should ensure the AC systems are available always and maintain the following conditions/parameters.
- a) The following parameters of A/C systems shall be maintained, otherwise the system shall not be allowed to operate:
- 1) Suction pressure (LP) = 55+/-5 psi (For Central A/C)
 - 2) Suction Pressure (LP) = 65+/-5 psi (For PA/C)
- b) The central AC plants and Package AC plants shall maintain the following conditioned space temperature.
Temperature: 24±2 Deg. Centigrade.
- c) The contractor should keep constant watch /vigilance on Directors wing to ensure smooth and uninterrupted functioning of AC plant and complaints to be attended immediately
- 17 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 A/C Plant as per the requirement. Any shutdown required for maintenance shall be undertaken only after obtaining written permission from the authorities
- 18 Power supply and water required for the operation & maintenance of A/C plants shall be made available at the site by VSP at free of cost.
- 19 The contractor shall be responsible for the safe custody of the material/equipments etc. handed over to them for operation and maintenance of the equipment and shall avoid the damages to the equipment/item/system/building while handling.

- 20 Any letter/ instruction given by the Engineer or his representative to the supervisor 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 supervisor.
- 21 If there is any conflict between any of the provisions in this "Scope of Work, Terms & Conditions, Additional Special Conditions and General conditions of contract", the provisions in the former shall prevail over the later.
- 22 The contractor should adhere to the following conditions for Planned Preventive Maintenance of the equipments.
- a) The contractor shall carry out the PPM jobs as per the VSP's prescribed checklist format.
 - b) The cost for such maintenance jobs shall be considered in per month item (BOQ Item No. 1/2/3/4/5/7/8).
 - c) The scope of supply/provision of men & materials is as per ANNEXURE - III.
 - d) The monthly PPM schedules shall be prepared in last week of every month by Engineer. Completion reports of these schedules shall be submitted to the Engineer at the end of the month.
- 23 The contractor shall adhere to the following conditions for the yearly maintenance jobs of the equipments.
- a) The contractor shall carry out the Yearly maintenance jobs as per the ANNEXURE-IV as approved by Engineer In-charge
 - b) The mutually agreed schedule on yearly basis for the yearly maintenance shall be prepared in the year beginning. The contractor has to follow the schedule. However the schedule may be revised as per the equipment availability/ shutdown availability.
 - c) All the yearly maintenance jobs shall be carried-out in presence/clearance of the authorised representative of the Engineer in charge and record shall be maintained.
 - d) The contractor should take all precautionary measures not to damage any component/item/equipment and rectify the defects /damages developed during yearly maintenance at his own cost.
 - e) The scope of supply/Provision of men & materials is as per the ANNEXURE-III.
 - f) The cost of such maintenance jobs shall be considered in the Yearly maintenance item (BOQ Item No 9/10/11/12/13/14/15/16/17/18/19/20).
- 24 The contractor shall adhere to the following conditions for capital maintenance jobs.
- a) The contractor shall carry out the Capital maintenance jobs as per ANNEXURE-V as approved by Engineer In-charge
 - b) The mutually agreed schedule for the capital maintenance shall be prepared in the year beginning. The contractor has to follow the schedule. However the schedule may be revised as per the equipment availability/ shutdown availability
 - c) All the capital maintenance jobs shall be carried-out in presence/clearance of the authorised representative of the Engineer in charge and record shall be maintained.
 - d) The contractor should take all precautionary measures not to damage any component/item/equipment and rectify the defects /damages developed during capital maintenance at his own cost.
 - e) The scope of supply/Provision of men & material is as per the ANNEXURE-III.
 - f) The cost of such maintenance jobs shall be considered in the capital Maintenance item (BOQ Item No. 21/22/23/24/25).

- 25 The contractor shall adhere to the following conditions at the starting of the contract.
- a) While taking over the plants by the contractor from VSP, a joint inspection will be conducted by VSP representative along with the contractor or his supervisor and the joint inspection report will be prepared.
 - b) For the defects noticed at the time of taking over, the scope of supply/Provision of men & materials is as per the ANNEXURE-III.
 - c) Labour cost shall be estimated as per the VSP approved rates for the eliminated defects and shall be paid to the contractor against the Miscellaneous jobs (Defect elimination) item (BOQ Item No. 38/39/40).
 - d) 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.
 - e) 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.
 - f) 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 unattended 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 latest A/T price of VSP order for the spares/consumables and the labour cost as per VSP prescribed rates.
- 26 The contractor shall adhere to the following conditions at the end of the contract.
- a) At the end of the contract, the contractor shall hand over the A/C systems to VSP in good working condition.
 - b) 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 or his supervisor. A joint inspection report/defect list shall be prepared.
 - c) 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 latest A/T price of VSP order 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
 - d) 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.
 - e) 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.26(c) for defects observed.
- 27 The contractor shall adhere to the following conditions for modification works.
- a) The contractor shall carry out the Modification works as per ANNEXURE-VI as approved by Engineer In-charge
 - b) The mutually agreed schedule for the Modification works shall be prepared after available of modification spares in the ACS stores. The contractor has to follow the schedule.

- c) All the modification jobs shall be carried-out in presence/clearance of the authorised representative of the Engineer in charge and record shall be maintained.
 - d) The contractor should take all precautionary measures not to damage any component/item/equipment and rectify / replace the defects / damages developed during modification works at his own cost.
 - e) The Scope of work and supply/provision of materials is as per the ANNEXURE-III.
 - f) The cost of such modification jobs shall be considered in the modification jobs item (BOQ Item No. 26/27/28/29/30/31/32/33/34/35/36/37).
 - g) The contractor shall carry out the operation and maintenance of modified equipments without any extra cost to VSP.
- 28 The contractor shall adhere to the following conditions for miscellaneous jobs.
- a) The contractor shall carry out the Miscellaneous jobs as per Annexure-VII, as approved by Engineer In-charge.
 - b) All the miscellaneous jobs shall be carried-out in presence/clearance of the authorised representative of the Engineer in charge and record shall be maintained.
 - c) The Scope of work and supply/provision of materials is as per the Annexure-III
 - d) The labour charges for the Miscellaneous jobs shall be paid on man-day basis based on the actual through the Miscellaneous jobs (Defect elimination) item (BOQ Item No. 38/39/40).
- 29 The contractor shall adhere to the following conditions for maintaining the new (additional) A/C plants or split or Package units.
- a) The contractor shall carry out the similar maintenance jobs of existing A/C plant/ units for all new A/C plants / units as per the approval of Engineer in charge.
 - b) The cost of maintenance jobs of such A/C plants/ units shall be considered with respect to the equivalent capacity of existing A/C plant/ units and shall be paid through per month item rates (BOQ Item No. 1/2/3/4/5/7/8).
 - c) For taking over and handing over the new A/C plants / units the above Clause No. 25 & Clause No. 26 shall be followed respectively.
 - d) The contractor shall carry out the yearly maintenance jobs of the new equipments as per the Clause No. 23 of above.
- 30 Agency should submit list of spares and oils used during regular and annual maintenance activities, with details to Engineer along with monthly reports as per VSP format.
- 31 Repair, Maintenance & Upkeep of Package AC units & Split AC units (BOQ item no. 7 & 8)
- 31.1 To attend Monthly PPM jobs as per schedule approved by Engineer or his authorized representative.
 - 31.2 To attend all breakdowns immediately, identify spares & consumables required, drawl from VSP stores, repair/ replace the defective items and return/disposal of old spares as per direction of Engineer or his authorized representative.
 - 31.3 To clean air filters, check the condition of V-belts, canvas cloth, bearings, Pulleys, repair/replace of defective items and alignment of Pulleys
 - 31.4 To clean the filters, expansion valve, liquid line valves, drier/strainer and other accessories as per the site condition. Repair/replacement if required.
 - 31.5 To clean the water strainers of chilled water & condenser water pipe lines and drain lines of condensate water

- 31.6 To lubricate the moving parts and replacement of worn out parts including bearings.
- 31.7 To repair leaking water pipe line isolation valves with new gland packing or replacement of valve as per requirement
- 31.8 To repair the defective heat exchangers and replace the same as per site requirement
- 31.9 To take corrective and preventive action required as per site condition and as approved by Engineer or his authorized representative and submission of the compliance report.
- 31.10 To do overhauling of LT motors (regular/condition based), electrical panel maintenance, lighting maintenance in AC equipment room, cable laying/replacement and any repair/replacement as per site conditions
- 31.11 In some of spares, actual tolerances may be slightly deviated from drawing / specification. The agency shall repair those spares and make suitable to the correct finished dimension by grinding/filling, etc. at site.
- 31.12 To changeover of Running & stand by equipment in systematic rotation as per the frequency given by Engineer or his authorized representative and to record the same
- 31.13 To record conditioned space temperatures randomly in few locations as per directions of Engineer or his authorized representative.
- 31.14 To maintain the Technical parameters of the equipment as per the norms approved by ACS department and whenever the equipment norms go beyond approved norms, the same shall be brought back to normalcy by agency.
- 31.15 To execute for minor modification jobs required for technological improvement and sustaining performance of AC equipment
- 31.16 To upkeep (removal of cobwebs, dust, etc.) of the Air conditioning equipment, control rooms, panels and glass panes, floors and surrounding of 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 systems. The lube oil spilled on equipment, if any shall be cleaned with sponge pieces/ cotton waste. Used oil shall be put in the waste oil drums provided.
- 32 Rubber mats provided in front of the panels should be replaced if damaged
- 33 Sand buckets should be available near electrical panels with full of sand.
- 34 Welfare allowance (SMA & ASMA) shall be payable to contract labours deployed in site in highly Skilled, Semiskilled and Unskilled categories including Supervisors other than Service Engineers/Engineers/Contractors Representative/Administrative Staffs of contractors e.g. HR Officers, Office Staff, Regular Employees of Contracting agency, drivers deployed for their staff cars/envisaged temporary contract labour on (during execution).

Additional Special Conditions (ANNEXURES I – VII)

Work Desc: Operation and maintenance of Administration building & Outside periphery
AC plants

1.0 ANNEXURE - I

EQUIPMENT DETAILS

1.1 ADMINISTRATION BUILDING

- | | |
|---------------------------------------|-----------------------|
| 1) CHILLING UNITS | 2 Nos, |
| a) Compressor : | 2 nos |
| b) Make & Model : | Kirloskar, AC 1670 |
| c) Capacity | 120 – 150 TR |
| d) Motor rating : | 110 KW. |
| 2) CHILLED WATER PUMPS | 3 Nos |
| a) Make & Model : | Kirloskar, 4-UP-3-15 |
| b) Motor rating : | 15 KW |
| 3) CONDENSER WATER PUMPS | 3 Nos |
| a) Make & Model : | Kirloskar, 4-UP-3-15. |
| b) Motor rating : | 22 KW. |
| 4) COOLING TOWERS | 3 nos |
| a) Make & Model : | Advanced, ARP-150 |
| b) Capacity | 150 TR |
| c) Motor rating : | 5.5 KW |
| 5) Air Handling Units | 10 nos |
| a) AHU – C1 , capacity & Motor rating | 25 R , 5.5 KW |
| b) AHU – C2 , capacity & Motor rating | 35 R , 9.3 KW |
| c) AHU – D1 , capacity & Motor rating | 25 R, 5.5 KW |
| d) AHU – D2 , capacity & Motor rating | 35 R, 7.5 KW |
| e) AHU – D3 , Model & Motor rating | E – 300, 7.5 KW |
| f) AHU – D4 , Model & Motor rating | E – 300, 7.5 KW |
| g) AHU – D5 , Model & Motor rating | E – 250, 7.5 KW |
| h) AHU – D6 , Model & Motor rating | EL – 174, 3.2 KW |
| i) AHU – D7 , Model & Motor rating | E – 250, 7.5 KW |
| j) AHU – D8 , Model & Motor rating | E – 80, 2.2 KW |

1.2 MULTIPURPOSE HALL AC PLANT

- | | |
|-----------------------------------|--------------------------------|
| 1) COMPRESSOR : | 3 nos., |
| a) Make & Model: | Kirloskar Pneumatics, AC - 470 |
| b) Capacity & Motor rating | 30TR, 30 KW |
| 2) CONDENSER WATER PUMPS | 3 Nos |
| a) Make & Model : | Beacon, B-WC 50/80 |
| b) Motor rating : | 22 KW. |
| 3) COOLING TOWERS | 2 nos |
| a) Make & Model : | Mihir, FRP-9052 |
| b) Capacity & Motor rating | 50 TR , 2.2 KW |
| 4) AIR HANDLING UNITS | 2 Nos |
| a) Capacity of AHU & Motor rating | 50.0 TR, 7.5 KW |

1.3 GURAJADA KALAKSHETRAM AC PLANTS

- | | |
|-----------------|--------|
| 1)COMPRESSORS : | 3 Nos. |
|-----------------|--------|

| | | |
|---------------------------|------------------------------------------------------------|-------------------------------------|
| | a) Make & Model : | ACCEL, SMC-4-100. |
| | b) Capacity & Motor rating | 40.0 TR, 37 KW |
| 2)CHILLED WATER PUMPS : | | 3 Nos. |
| | a) Make & Model : | Beacon, 3L3 |
| | b) Motor rating : | 5.5 KW |
| 3)CONDENSER WATER PUMPS : | | 3 Nos. |
| | a) Make & Model : | Beacon, 3L3 |
| | b) Motor rating : | 7.5 KW |
| 4)COOLING TOWERS : | | 2 Nos. |
| | a) Make : | Mihir |
| | b) Capacity & Motor rating | 80.0 TR Each., 3.7 KW |
| 5)AIR HANDLING UNITS : | | 2 Nos. |
| | a) Make & Model : | Blue Star, AH-12 |
| | b) Capacity & Motor rating | 60 TR, 15 KW |
| 1.04 | <u>STEEL CLUB</u> | |
| | 1)COMPRESSORS : | 3 Nos. |
| | a) Make & Model : | ACCEL, SMC-6-65 |
| | b) Capacity & Motor rating | 30 TR, 22 KW |
| | 2)CONDENSER WATER PUPMS : | 2 Nos. |
| | a) Make ,Model & Motor rating | Beacon, FA-4L3, 18.5 KW |
| | 3)COOLING TOWERS : | 2 Nos. |
| | a) Make & Model : | Advanced DMA-8416 ; Southern CF-408 |
| | b) Capacity & Motor rating | 60 TR, 2.2 KW |
| | 4) AIR HANDLING UNITS: | 2 Nos. |
| | a) Capacity & Motor rating | 30 TR, 5.5 KW |
| 1.5 | <u>TRAINING & DEVELOPMENT CENTER AUDITORIUM</u> | |
| | 1) COMPRESSORS : | 3 Nos. |
| | a) Make & Model : | ACCEL, SMC-6-65 |
| | b) Capacity & Motor rating | 30 TR, 30 KW |
| | 2) CONDENSER WATER PUMPS : | 2 Nos. |
| | a) Make & Model : | Beacon, FA-3L3, 7.5 KW |
| | 3) COOLING TOWERS : | 2 Nos. |
| | a) Make & Model : | Advanced, Delta |
| | b) Capacity & Motor rating | 60 TR, 2.2 KW |
| | 4) AIR HANDLING UNITS: | 3 Nos. |
| | a) Capacity & Motor rating | 22 TR, 5.5 KW |
| 1.6 | <u>HILL TOP GUEST HOUSE</u> | |
| | 1) PACKAGE A/C : | 2 Nos. |
| | a) Capacity | 2 x 5.5 TR |
| 1.7 | <u>UKKUNAGARAM CLUB (BAR)</u> | |
| | 1) PACKAGE A/C : | 2 Nos. |
| | a) Capacity : | 2X 5.5 TR |
| 1.8 | <u>UKKUNAGARAM CLUB (BILLIARDS)</u> | |
| | 1) PACKAGE A/C : | 2 Nos. |
| | a) Capacity : | 2 X 5.5 TR |

1.9 STEEL CLUB RESTAURANT

- 1) PACKAGE A/C : 2 Nos.
- a) Capacity : 2 X 5.5 TR

1.10 LIBRARY / T&DC

- 1) PACKAGE A/C : 2 Nos.
- a) Capacity : 2 X 5.5 TR

1.11 DINING HALL/ GURAJADA KALAKSHETRAM

- 1) PACKAGE A/C : 3 Nos.
- a) Capacity : 2 X 8.5 TR

1.12 DATA CENTRE 2

- 1) PACKAGE A/C : 2 Nos.
- a) Capacity : 2 X 7.5 TR

1.13 PARTY ROOM / UKKU CLUB

- 1) PACKAGE A/C : 2 Nos.
- a) Capacity : 5.5 TR

1.14 COMMON EQUIPMENT TO ALL THE ABOVE A/C PLANTS

- a) Connected Refrigerant controls like Pressure Gauges, Pressure switches, Thermostats & Solenoid valves.
- b) Connected water pipe lines & valves.
- c) Connected air ducting, dampers, grills, air diffusers and insulation both acoustic and thermal.
- d) Connected electrics including distribution boards and MCC panels.
- e) Connected instrumentation, controls & cabling.

2.0 ANNEXURE - II

| | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------|---------------|------------------------|
| 2.01 | RECOVERIES FOR NON-PERFORMANCE | | | | |
| | 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. | | | | |
| | Sl.No | Equipment | Allowable Time (Days) where standby | | Recovery per Day (Rs.) |
| | | | available | Not available | |
| | 1 | Chiller units | 15 | 05 | 300/- |
| | 2 | Water Pumps | 10 | 03 | 200/- |
| | 3 | Cooling Towers | 10 | 05 | 200/- |
| | 4 | Air Handling Unit | 05 | 03 | 200/- |
| | 5 | Package A/C | 10 | 03 | 200/- |
| | 6 | SPLIT A/C | 07 | 02 | 200/- |
| Note 1: For the above case, the above recoveries shall be made applicable after expiry of the allowable time frame only. | | | | | |
| 2.02 | If the conditioned space temperatures are not maintained as per the Clause No. 16(b) of TERMS AND CONDITIONS of contract, the Recovery per day per location is levied as follows). | | | | |
| | Sl.No | Equipment | Recovery Per day (Rs.) | | |
| | 1 | Central A/C (Admn) | 500/- | | |
| | 2 | Central A/C(MP/GK/SC/T&DC) | 300/- | | |
| | 3 | Package A/C (all) | 200/- | | |
| Note 2: For the above case, the average mean temperature of the total operational hours shall be considered | | | | | |
| 2.03 | The yearly maintenance, capital maintenance & modification works 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 to carry out any of the above, 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. | | | | |

3.0 ANNEXURE – III (SCOPE OF SUPPLY)

| S.No | DESCRIPTION OF MATERIAL | Running defects, PPM jobs & Yearly Maintenance jobs | Previous defects, Capital Maintenance, Modification & Misc. jobs |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------|
| 1 | MAN POWER | Party | Party |
| 2 | Sealed Compressors, Mechanical & Electrical spares including V Belts, Pulleys, air filters, Bearings, Compressor gaskets & reconditioning of existing spares (related to Central AC units) | Party | VSP |
| 3 | Raw Material like Steel Structural, GI, MS sheets and Hardware like GI, Cadmium coated Nut & Bolts and MS Nut & Bolts above M-10 Size. | Party | VSP |
| 4 | Insulation material and Consumables Like Brazing Flux, Cleaning liquids, Gland packing, Grease, Electrical tapes, Teflon tapes, gaskets, MS Nut & Bolts up to M-10 size. | Party | Party |
| 5 | Compressor Oil, Gases like Refrigerant (R-22), Nitrogen. | Party | VSP |
| 6 | Oxygen, DA/LPG, Welding Electrodes & Brazing Rods. | Party | VSP |
| 7 | Tools & Tackles, Measuring Equipments, Welding, Brazing, Cutting and Vacuum equipments | Party | Party |
| 8 | Paints, FRP materials | Party | VSP |
| 9 | Materials related to PAC units & SAC/DSAC units | VSP | VSP |
| <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> | | | |

4.0 ANNEXURE – IV (YEARLY MAINTENANCE)

4.1 Yearly Maintenance of CHILLER SYSTEM (BOQ Item no.9 &10)

- a) Compressor shall be evacuated and side covers shall be opened. Check for bearing clearances and repair if found any abnormality
- b) Compressor oil shall be replaced with fresh compressor oil (Servo friz-68).
- c) Suction filter, oil filter, liquid line strainer and expansion valves cleaning shall be done..
- d) Shaft seal condition is to be checked for any leaks and O-rings to be replaced.
- e) Check the suction and discharge valves for proper functioning. In case if any abnormality in functioning, repair/ replace the same.
- f) Greasing of motor bearings shall be done, if any of the bearing is found defective the same shall be replaced.
- g) Electrical contactor contacts shall be cleaned and all the electrical connections including motor terminals, switch, etc. shall be tightened properly.
- h) Base bolts, coupling bolts shall be tightened rigidly. If any pulleys/couplings are damaged, to be repaired/replaced. Damaged bolts are to be replaced. Check & adjust for alignment of both pulleys /couplings.
- i) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective.
- j) Chiller descaling shall be done with standard chemical cleaning agent.

4.2 Yearly Maintenance of CONDENSER (BOQ Item no. 11 & 12)

- a) Chemical circulation shall be done.
- b) Side covers shall be opened and Mechanical cleaning of the condenser tubes should follow the chemical circulation.
- c) The contractor should use chemicals of only reputed make like Vaniclean, Scalgun, Scalguard etc.
- d) Replace the water sealing gaskets.

4.3 Yearly Maintenance of Water Pump (BOQ Item no. 13 &14)

- a) The pump top cover shall be opened. The condition of shaft, impeller shall be checked and shall be repaired if found any abnormality.
- b) Check for pump bearing condition and replace if found any abnormal. New grease shall be applied to the pump bearings.
- c) Fix the pump assembly on its position.
- d) New gland packing material shall be provided and ensure that no water leaks shall be developed.
- e) Greasing of motor bearings shall be done, if any of the bearing is found defective the same shall be replaced.
- f) Electrical contactor contacts shall be cleaned and all the electrical connections including motor terminals, switch, etc. shall be tightened properly
- g) Base bolts, coupling bolts shall be tightened rigidly. If any couplings are damaged, to be repaired/replaced. Check & adjust for alignment of both couplings. Coupling bushes shall be replaced. All the rusted bolts shall be replaced with new ones.
- h) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective.
- i) Repair/replace the valves, if any abnormality found

4.4 Yearly Maintenance of COOLING TOWER (BOQ Item no.15&16)

- a) Rusty nut & bolts of CT body, Sump bottom, motor base, motor support frame and Grill covers shall be replaced.
- b) Cleaning of the sump and water filters shall be done.
- 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.
- d) Maintenance of sprinkler to ensure smooth rotation and speed. Bearings shall be replaced if any found defective.
- e) Clean the nozzles and end leaks shall be arrested.
- f) Check for motor condition, fan blades, motor fan cover & motor Terminal box cover and repair/replace if any abnormality found. Bearings lubrication shall be done. If any bearing found defective, the same shall be replaced.
- g) Check for any vibration and repair the same if found any abnormality
- h) Check for make-up water line condition including the float valve & quick fill valves and repair the same if found any abnormality.
- i) Electrical contactor contacts shall be cleaned and all the electrical connections including motor terminals, switch, etc. shall be tightened properly
- j) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective.
- k) Check the condition of ladder and its supports. Repair/replace the same if found any abnormality
- l) If FRP is damaged, use FRP compound & repair

4.5 Yearly Maintenance of AIR HANDLING UNIT (BOQ Item no. 17 & 18)

- a) Side covers shall be opened and damaged nut and bolts shall be replaced.
- b) AHU coil shall be cleaned with a standard chemical cleaning agent.
- c) Greasing of AHU and motor bearings shall be done; if any of the bearing is found defective the same shall be replaced.
- d) The rusted / damaged sheets shall be replaced with new sheets by proper tinkering.
- e) Check for condition of motor pulley, blower pulley and the same shall be repaired / replaced if found any abnormality. Check & adjust for alignment of both the pulleys.
- f) Check for V-belts and canvas cloth condition and replace if required.
- g) Electrical contactor contacts shall be cleaned and all the electrical connections including motor terminals, switch, etc. shall be tightened properly.
- h) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective.
- i) Drain water line shall be cleaned and shall be repaired if required

4.7 ANNUAL PAINTING [BOQ Item 19 & 20]

- a) Complete painting shall be done for all the equipments including AHU scrolls with two coats of approved finishing paints.
- b) Wherever cleaning of pipelines for rust etc. is required, thorough cleaning of pipelines with wire-brush etc., shall be done and one coat of Red Oxide/Zinc-chromate paint shall be applied before applying the finishing coats.
- 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.

5.0 ANNEXURE – V (CAPITAL MAINTENANCE)

- 5.1 CAPITAL MAINTENANCE of CHILLER /COMPRESSOR SYSTEM (BOQ Item no. 21 & 22)**
- a) Complete evacuation of the system and check for proper functioning of liquid line valves, suction and discharge service valves, strainer, expansion valves etc., and their cleaning, replacement/repair.
 - b) Compressor should be completely dismantled, checked for position of crank shaft and re-metaling/machining to be done as per the availability of the matching bearings.
 - c) Bearing clearances are to be checked and bearings connected washers shall be replaced if the clearance exceeds permissible limits.
 - d) Shaft seal condition to be checked and shall be replaced if required. All Neoprene bellows and gaskets shall be replaced.
 - 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 should be replaced/repared if required.
 - f) Both oil and compression piston rings, suction and discharge valve plate disks shall be replaced.
 - g) Suction filter, oil filter, oil pressure regulating valves and non-return valves etc., are to be checked and should be replaced /repaired.
 - 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.
 - i) It is recommended to change the gaskets each time the component is opened.
 - j) Overhauling of the motors shall be done by VSP. Removal and installation of motor shall be done by agency.
 - k) All the base bolts of the compressors & motors shall be properly tightened. Compressors & Motors perfect alignment should be done.
 - l) All the electrical contactor contacts shall be properly cleaned with reputed cleaning agent and all the electrical connections including motor terminals, switch, etc. shall be tightened properly. If any part found defective, replace.
 - m) Chiller descaling shall be done with standard chemical cleaning agent.
 - n) The party should take care while dismantling & assembling and ensure that the crank pressure should develop as good as new compressor.
 - o) No abnormalities shall be found in any of the following after completion of the capital repairs.
 - i) Crankcase oil pressure.
 - ii) Current Drawn & IR values.
 - iii) Noise & Vibration.
 - iv) Refrigerant & Oil Leakages.
 - v) Tripping circuit
 - p) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective..
- 5.2 CAPITAL MAINTENANCE of COOLING TOWER (BOQ Item no. 24)**
- 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.
 - b) All damaged valves & pipe lines including make-up water lines should be replaced with new ones.
 - c) Sprinkler should be opened and checked for shaft position and re-metaling &

machining to be done if required. Sprinkler bearings shall be replaced. Sprinkler branch pipes position to be checked and replaced/repared, nozzles shall be cleaned.

- d) Sprinkler should be ensured of smooth rotation and proper speed.
- e) Overhauling of the motors shall be done by VSP. Removal and installation of motor shall be done by agency.
- f) CT fan position to be checked for perfect balancing and ensure proper rotation.
- g) Painting of the cooling tower structures and associated pipe lines should be done with two coats of finishing paint. The cost of painting is included in the Yearly maintenance of BOQ.
- h) No abnormalities shall be found in any of the following after completion of the capital repairs.
 - i) Current Drawn & IR values.
 - ii) Noise & Vibration
 - iii) Water Leakages
 - iv) Sprinkler speed & rotation
 - v) Tripping system
- i) All the electrical contactor contacts shall be properly cleaned with reputed cleaning agent and all the electrical connections including motor terminals, switch, etc. shall be tightened properly
- j) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective..

5.3 CAPITAL MAINTENANCE of AIR HANDLING UNIT (BOQ Item no. 23)

- 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.
- b) All the filters and coil fins shall be cleaned with the standard chemical agent. Damaged filters are to be replaced.
- c) Canvas cloth joints are to be checked for any air leakages and cloth shall be replaced if badly damaged.
- d) Dampers are to be checked for proper functioning and shall be repaired if damaged.
- e) Modulating motors functioning are to be checked and shall be repaired.
- f) Bearings lubrication to be done and shall be replaced if badly damaged. Bearing supporting brackets are to be checked for proper strength.
- g) Motor supporting brackets and base bolts are to be properly tightened to avoid vibration.
- h) The shafts position to be checked for any abnormality while running and perfect balancing to be made. Re-metaling & machining to be done if required.
- i) Impeller and blower casings are to be checked and shall be repaired.
- j) Both the pulleys position to be checked for perfect balancing and proper alignment should be made.
- k) Belts condition to be checked and shall be replaced if badly damaged. Belt guards are to be fixed rigidly.
- l) Drain water line shall be cleaned and shall be repaired if required.
- m) Thermal insulation position to be checked and shall be repaired wherever the requirement.
- n) Overhauling of the motors shall be done by VSP. Removal and installation of motor shall be done by agency.
- o) All the electrical connections associated with the AHU are thoroughly cleaned with

standard cleaning agent and all the electrical connections including motor terminals, switch, etc. shall be tightened properly.

- p) Duct heaters condition to be checked and shall be made right if so required as per the direction from the Engineer In-charge.
- q) No abnormalities shall be found in any of the following after completion of the capital repairs.
 - i) Current Drawn
 - ii) Noise & Vibration
 - iii) Air Leakages
 - iv) Drain water leakages.
 - v) Tripping system
- r) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective.

5.4 CAPITAL MAINTENANCE of WATER PUMPS (BOQ Item no. 25)

- a) The pump top cover shall be opened and impeller & shaft shall be taken out.
- b) Dismantle the bearings & shaft sleeves.
- c) Check for the shaft condition and repair the same if found any abnormality.
- d) Bearings and shaft sleeves shall be replaced with new ones. New grease shall be applied
- e) Fix the pump assembly on its position.
- f) New gland packing material shall be provided and ensure that no water leaks shall be developed.
- g) Overhauling of the motors shall be done by VSP. Removal and installation of motor shall be done by agency.
- h) Electrical contactor contacts shall be cleaned and all the electrical connections including motor terminals, switch, etc. shall be tightened properly.
- i) Base bolts, coupling bolts shall be tightened rigidly. Check & adjust for alignment of coupling and coupling bushes shall be replaced.
- j) All the rusted bolts shall be replaced with new ones.
- k) No abnormalities shall be found in any of the following after completion of the capital repairs.
 - i) Current Drawn & IR values.
 - ii) Noise & Vibration
 - iii) Water Leakages
 - iv) Tripping system
- l) Check the functioning of all electrical components of power, control, indication & earthing systems and replace/repair the same, if found defective.

6.0 ANNEXURE – VI (MODIFICATION WORKS)

6.1 PIPE LINE WORK (BOQ Item nos. 26,27&28)

- a) The new pipelines shall be laid down as per the drawings, specifications/instructions of the Engineer
- b) All the fittings including flanges, bends, tees, reducers, lengths, expansion loops shall be fabricated (if not available at the site) and erected.
- c) Required drains, vents, stiffeners, fixtures etc. shall be provided.
- d) Whenever the old pipelines are to be dismantled and replaced for fixing of new pipelines, no separate payment will be given for such dismantling works. The existing valves, bends, reducers and flanges shall be reconditioned if found useful. The old items shall be handed over to VSP.
- e) No leaks shall be developed after completion of the modification jobs.

6.2 VALVES CHANGE (BOQ Items nos. 29,30 & 31)

- a) The new valves shall be laid down as per the drawings, Specifications / instructions of the Engineer.
- b) The valve flanges shall be fabricated (if not available at the site) and erected.
- c) Whenever the old valves are to be dismantled and replaced for fixing of new valves, no separate payment will be given for such dismantling works. The existing valves & flanges shall be reconditioned if found useful. The old items shall be handed over to VSP.
- d) No leaks shall be developed after completion of the modification jobs.

6.3 INSULATION (BOQ Item nos. 32& 33)

- 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.
- b) Whenever the old insulation materials are to be dismantled and replaced for fixing of new material, no separate payment will be given for such dismantling works.
- c) Aluminium cladding or cement plastering shall be done with necessary cleats, lugs, binding wire etc.
- d) No water leaks (sweating water) shall be observed after completing the modification job.

6.4 DUCT FABRICATION (BOQ Item nos. 34)

- a) The new ducts shall be fabricated and erected as per the drawings, specifications/instructions of the Engineer.
- b) Whenever the old ducts are to be dismantled and replaced for fixing of new ducts, no separate payment will be given for such dismantling works. The existing duct flanges (if any) shall be reconditioned if found useful. The old items shall be handed over to VSP.
- c) All the jointing flanges, dampers, grills and supports shall be fixed properly.
- d) No air leaks shall be developed after completion of the modification jobs.

6.5 STRUCTURAL WORK (BOQ Item no. 35)

- a) The new structures shall be fabricated and erected as per the drawings, specifications / instructions of the Engineer.
- b) Whenever the old structures are to be dismantled and replaced for fixing of structures, no separate payment will be given for such dismantling works. The old items shall be handed over to VSP.

c) No vibrations shall be developed after completion of the modification jobs.

6.6 ERECTION AND COMMISSIONING OF AIR HANDLING UNITS:[BOQ NO.36 & 37]

- a) AHU drawing from stores and shifting to the location
- b) Dismantling of old air handling unit and connected ducts and chilled water pipelines
- c) Fabrication & Erection of new air handling unit and commissioning of same.
- d) Disposal of scrap to designated place inside the plant and cleaning of AHU room

7.1 ANNEXURE – VII (MISCELLANEOUS JOBS)

7.1 CONDENSER FIXING/REPLACEMENT

- a) Refrigerant gas shall be collected in the cylinder.
- b) The existing water-cooled /air-cooled condenser shall be dismantled.
- c) The new air-cooled condenser coils shall be fixed.
- d) All the sheet works including tinkering jobs shall be done.
- e) All the refrigerant pipelines and the proper leak testing shall be done.
- f) Fan motor and fans shall be fixed.
- g) Charge the refrigerant as per the requirement.

7.2 ELECTRICAL PANEL MODIFICATION/MAINTENANCE

- 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 locks and tripping circuits are working properly.
- e) Maintenance of Main incomer switches/ breakers/bus-couplers, Cleaning of insulators, including all electrical connections. Cost of replacement of defective parts is included in BOQ no. 1/2/3/4/5/7/8,
- f) Tightening of screws, bolts of bus-bars
- g) All components should be checked for proper functioning and repair the same if found any defective
- h) Chequered plate removal, MS angle fixing/welding, chequered plate relaying

7.3 OTHER 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.

8.0 GST CLAUSE:

The scope of materials supply and consumables supply in the present proposal are as follows:

a) Materials to be supplied by VSP (FOR BOQ ITEM NOS. 7,8,21,22,23,24,25,26, 27,28,29,30,31, 34,35,36 & 37): Sealed compressors, Mechanical & Electrical spares including V- Belts, Pulleys, air filters, Bearings, Compressor gaskets & reconditioning of existing spares.

Raw materials like steel Structural, GI, MS sheets and Hard ware like GI, Cadmium coated Nut & Bolts and MS Nut & Bolts above M-10 Size.

b) Consumables to be supplied by VSP (FOR BOQ ITEM NOS. 7,8,21,22,23,24,25,26, 27,28,29,30,31,34 & 35): Compressor Oil, Gases like Refrigerant(R-22, Nitrogen, Paints, FRP materials.

c) Materials to be supplied by CONTRACTOR (FOR ITEM Nos.1,2,3,4,5,9,10,11, 12,13,14,15,16,17,18,19,20,32& 33): Sealed compressors, Mechanical & Electrical spares including V- Belts, Pulleys, air filters, Bearings, Compressor gaskets & reconditioning of existing spares.

Raw materials like steel Structural, GI, MS sheets and Hard ware like GI, Cadmium coated Nut & Bolts and MS Nut & Bolts above M-10 Size.

d) Consumables to be supplied by CONTRACTOR (FOR ITEM Nos. 1,2,3,4,5,9,10,11, 12,13,14,15,16,17,18,19,20,32,33,36 & 37): Insulation material, Brazing Flux, Cleaning Liquids, Gland Packing Material, Grease, Electrical Insulation tapes, Teflon tapes, gaskets, MS Nut & Bolts up to M-10 size, Compressor Oil, Gases like Refrigerant(R- 22, Nitrogen, Oxygen, DA/LPG, Welding Electrodes & Brazing Rods, Paints, FRP materials.

The deduction of GST shall be done as per the rules prevailing from time to time.

9.0 SAFETY CLAUSE:

The contractor shall ensure usage of ISI marked regulators, hoses, nozzles, cutting torches, welding holders and cables for the cutting and welding works. This must be adhered to strictly.

10.0 DEPLOYMENT OF MAN POWER:

The following is the details of man power minimum educational qualification and minimum work experiences.

SUPERVISOR:

Minimum Educational Qualification : Diploma in Engineering

Minimum Work Experience : 3 years in HVAC field

SKILLED WORKMEN:

Minimum Educational Qualification : ITI (R&AC / Electrical / Fitter)

Minimum Work Experience : 4 years in HVAC field

SEMI SKILLED WORKMEN:

Minimum Educational Qualification : ITI (R&AC / Electrical / Fitter)

Minimum Work Experience : 2 years in HVAC field

UN SKILLED WORKMEN:

Minimum Educational Qualification : NIL

Minimum Work Experience : NIL

Preamble to B.O.Q

Work Desc: Operation and maintenance of Administration building & Outside periphery AC plants

This specification is for operation & Maintenance of central air conditioning plants in administration building, Multipurpose hall, Gurajada Kalakshetram, steel Club, Training & Development center and Maintenance of package Air-conditioning plants in Hill top guest house, Billiards room & Bar room of Ukkunagaram club, Ellora restaurant of steel club, Data centre 2 in Administration building and Library of Training & Development centre of Visakhapatnam steel Plant

The Central A/C plant at Administration building is designed, supplied and commissioned by M/s. Kirloskar Pneumatics Ltd. This A/C plant comprising 2 Nos. Chiller units of each capacity of 120 – 150 TR and connected accessories. The AC Plant is situated in a separate room on the ground floor of the building. The Air Handling units of different capacities are located in various rooms adjacent to conditioned spaces. The chilled water pipelines and return water lines are laid between AC plant room and the AHU rooms. The cooling towers are located outside the A/C plant room. This AC plant is provided mainly to meet the technological and as well as the comfort requirements of the various rooms of the Directors wing, Marketing & Exports section and TDIS.

The Central A/C plant at MP hall is designed, supplied and commissioned by M/s. Blue star Ltd. This A/C plant comprising 3 Nos. AC systems each capacity of 30 TR and connected accessories. The A/C systems and condenser water pumps along with Electrical control room panel board are located in a separate room, the AHUs are located in two different rooms besides auditorium and the cooling tower is located on the terrace of the A/C plant building. This AC plant is provided mainly to meet the comfort requirements of the Auditorium.

The Central A/C plant at Gurajada kalakshetram is designed, supplied and commissioned by M/s. Blue star Ltd. This A/C plant comprising 3 Nos. chiller systems each capacity of 40 TR and connected accessories. The chiller systems, chilled water pumps and condenser water pumps along with Electrical control room panel board are located in an isolated building, the AHUs are located in two different rooms besides auditorium and the cooling towers are located on the terrace of the A/C plant building. The chilled water supply & return pipelines are laid in a trench between AC plant building and the AHU rooms. This AC plant is provided mainly to meet the the comfort requirements of the Auditorium.

The Central A/C plant at steel club is designed, supplied and commissioned by M/s. Blue star Ltd. This A/C plant comprising 3 Nos. AC systems each capacity of 30 TR and connected accessories. The A/C systems and condenser water pumps along with Electrical control room panel board are located in a separate room, the AHUs are located in two different rooms besides auditorium and the cooling tower is located on the terrace of the A/C plant building. This AC plant is provided mainly to meet the comfort requirements of the Auditorium.

The Central A/C plant at Training & Development center is designed, supplied and commissioned by M/s. Blue star Ltd. This A/C plant comprising 3 Nos. AC systems each capacity of 30 TR and connected accessories. The A/C systems and condenser water pumps along with Electrical control room panel board are located in a separate room, the AHU is located in another room besides auditorium and the cooling tower is located on the terrace of the A/C plant building. This AC plant is provided mainly to meet the comfort requirements of the Auditorium.

The Package A/C plant at Hill Top Guest House is supplied by M/s Voltas Ltd. This A/C plant comprising 2 Nos. air cooled Package A/C systems each capacity of 11 (2x5.5) TR and connected accessories. The A/C systems along with Electrical control panel board are located in

a separate room. The Condensers are located outside the A/C plant room. This AC plant is provided mainly to meet the comfort requirements of Dining hall & Conference hall.

The Package A/C plant at Bar rooms of Ukkunagaram club is designed and commissioned by M/s Bluestar Ltd. This A/C plant comprising 2 Nos. of air cooled Package A/C systems each capacity of 11 (2x5.5)TR and connected accessories. The A/C systems along with Electrical control panel board are located in a separate room and condensing units are located outside the A/C plant room. This AC plant is provided mainly to meet the comfort requirements of Reading & Bar rooms.

The Package A/C plant at Billiards & cards rooms of Ukkunagaram club is designed and commissioned by M/s Bluestar Ltd. This A/C plant comprising 2 Nos. of air cooled Package systems each of capacity 11TR (2x5.5) and connected accessories. The A/C systems along with Electrical control panel board are located in a separate room and condensing units are located outside the A/C plant room. This AC plant is provided mainly to meet the comfort requirements of Billiards & card rooms.

The Package A/C plant at Steel club restaurant comprises of 2 Nos. air cooled Package A/C systems each capacity of 11 (2x5.5) TR and connected accessories. The A/C systems along with Electrical control panel board are located in a separate room. The Condensers are located on the side the A/C plant room. This AC plant is provided mainly to meet the comfort requirements of Ellora Restaurant.

The Package A/C plant at Library of T&DC comprises of 2 Nos. air cooled Package A/C systems each capacity of 11 (2x5.5) TR and connected accessories. The A/C systems along with Electrical control panel board are located in a separate room. The Condensers are located on the side the A/C plant room. This AC plant is provided mainly to meet the comfort requirements of Library users.

The Package A/C plant at dining hall of Gurajada kalakshetram comprises 3 Nos. air cooled Package A/C systems each capacity of 17 (2x8.5) TR and connected accessories. The A/C systems along with Electrical control panel board are located in a separate room. The Condensers are located on the terrace of the A/C plant room. This AC plant is provided mainly to meet the comfort requirements of the Dining hall users.

The Split AC system in party room of Ukkunagaram club comprises 2nos air cooled split A/Cs each capacity of 5.5TR and connected accessories. The Condensers are located on the side of the party room. This AC plant is provided mainly to meet the comfort requirements of the users.

The Package A/C plant at data Centre 2 of administration building comprises of 2 Nos. air cooled Package A/C systems each capacity of 15 (2x7.5) TR and connected accessories. The Condensers are located on the terrace of the administration building. This AC plant is provided mainly to meet the comfort requirements of the data Centre equipments.

The list of equipment is given in Annexure-I.



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES / PRICE SCHEDULE

| | |
|-------------------------------------------------------------------|---------------------------------|
| PR No / Date: 73007560 / 03.11.2021 | Report Date : 03.11.2021 |
| Pur . Org.: WORKS CONTRACTS | |
| MSS: 7750615002 : OPN&MAINT-ADMIN BUILDING&OUTSIDE ACPLANT | |
| OPN&MAINT-ADMIN BUILDING&OUTSIDE ACPLANT | |

| The BOQ Items are taken as per the following Rates. | | | | | | |
|-----------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|-----|-----------|--------------|
| | Central Rates | VSP Rates | | | | |
| Skilled | 707.000 | 1,077.150 | | | | |
| Semi Skilled | 603.000 | 933.950 | | | | |
| Unskilled | 534.000 | 832.650 | | | | |
| Sl.No | Service Number | Description of the item | Qty | UOM | Rate | Amount |
| 1 | 510004561 | MAINTENANCE OF ADMINISTRATION BUILDING AC PLANT | 36.000 | MON | 77,284.40 | 2,782,238.40 |
| 2 | 510004562 | MAINTENANCE OF MULTI PURPOSE HALL AC PLANT | 36.000 | MON | 39,416.52 | 1,418,994.72 |
| 3 | 510004563 | MAINTENANCE OF GURAJADA KALAKSHETRAM AC PLANT | 36.000 | MON | 33,115.65 | 1,192,163.40 |
| 4 | 510004564 | MAINTENANCE OF STEEL CLUB AC PLANT | 36.000 | MON | 23,807.50 | 857,070.00 |
| 5 | 510004565 | MAINTENANCE OF TRAINING AND DEVELOPMENT CENTRE AC PLANT | 36.000 | MON | 11,794.69 | 424,608.84 |
| 6 | 510004660 | OPERATION OF CENTRAL AC PLANTS AT ADMINISTRATION BUILDING /OUTSIDE PERIPHERY AC PLANTS | 32,000.000 | H | 115.70 | 3,702,400.00 |
| 7 | 510007827 | Repair, Maintenance & upkeep of Package AC unit | 576.000 | MON | 1,786.01 | 1,028,741.76 |
| 8 | 510007828 | Repair, Maintenance & upkeep of split AC including ductable split AC | 144.000 | MON | 1,305.11 | 187,935.84 |
| 9 | 510004570 | YEARLY MAINTENANCE OF COMPRESSOR AT ADMINISTRATION BUILDING AC PLANT | 4.000 | EA | 37,096.28 | 148,385.12 |
| 10 | 510004575 | YEARLY MAINTENANCE OF COMPRESSOR AT MULTI PURPOSE HALL / GURJADA KALAKSHETRAM / STEEL CLUB / TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 30.000 | EA | 6,775.29 | 203,258.70 |
| 11 | 510004571 | YEARLY MAINTENANCE OF CONDENSER AT ADMINISTRATION BUILDING AC PLANT | 6.000 | EA | 12,361.82 | 74,170.92 |
| 12 | 510004576 | YEARLY MAINTENANCE OF CONDENSER AT MULTI PURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 33.000 | EA | 3,386.29 | 111,747.57 |
| 13 | 510004572 | YEARLY MAINTENANCE OF WATER PUMP AT ADMINISTRATION BUILDING AC PLANT | 12.000 | EA | 6,178.16 | 74,137.92 |
| 14 | 510004577 | YEARLY MAINTENANCE OF WATER PUMP AT MULTI PURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 26.000 | EA | 3,386.29 | 88,043.54 |
| 15 | 510004573 | YEARLY MAINTENANCE OF COOLING TOWER AT ADMINISTRATION BUILDING AC PLANT | 5.000 | EA | 12,361.82 | 61,809.10 |
| 16 | 510004578 | YEARLY MAINTENANCE OF COOLING TOWER AT MULTI PURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 17.000 | EA | 3,386.29 | 57,566.93 |
| | | | | | | |



RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031

BILL OF QUANTITIES / PRICE SCHEDULE

| Sl.No | Service Number | Description of the item | Qty | UOM | Rate | Amount |
|-------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|-----------|------------|
| 17 | 510004574 | YEARLY MAINTENANCE OF AIR HANDLING UNIT AT ADMINISTRATION BUILDING AC PLANT | 27.000 | EA | 12,361.82 | 333,769.14 |
| 18 | 510004579 | YEARLY MAINTENANCE OF AIR HANDLING UNIT AT MULTI PURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 24.000 | EA | 3,386.29 | 81,270.96 |
| 19 | 510004716 | ANNUAL PAINTING OF CENTRAL AC PLANT EQUIPMENT OF CAPACITY ABOVE 200 TR | 3.000 | LS | 10,417.93 | 31,253.79 |
| 20 | 510004717 | ANNUAL PAINTING OF CENTRAL AC PLANT EQUIPMENT OF CAPACITY UPTO 200 TR | 12.000 | LS | 7,787.63 | 93,451.56 |
| 21 | 510004583 | CAPITAL MAINTENANCE OF COMPRESSOR AT ADMINISTRATION BUILDING AC PLANT | 2.000 | EA | 14,620.07 | 29,240.14 |
| 22 | 510004584 | CAPITAL MAINTENANCE OF COMPRESSOR AT MULTI PURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANT | 6.000 | EA | 10,107.65 | 60,645.90 |
| 23 | 510004585 | CAPITAL MAINTENANCE OF AIR HANDLING UNIT AT ADMINISTRATION BUILDING/ MULTIPURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 6.000 | EA | 9,745.72 | 58,474.32 |
| 24 | 510004586 | CAPITAL MAINTENANCE OF COOLING TOWER AT ADMINISTRATION BUILDING/ MULTIPURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 8.000 | EA | 10,107.66 | 80,861.28 |
| 25 | 510004587 | CAPITAL MAINTENANCE OF WATER PUMP AT ADMINISTRATION BUILDING/ MULTIPURPOSE HALL/ GURJADA KALAKSHETRAM/ STEEL CLUB/ TRAINING AND DEVELOPMENT CENTRE AC PLANTS | 19.000 | EA | 2,895.52 | 55,014.88 |
| 26 | 510004627 | REPLACEMENT/FIXING OF PIPE LINES OF SIZE 15 MM-40 MM AT ADMINISTRATION BUILDING /OUTSIDE PERIPHERY AC PLANTS ETC.. | 20.000 | M | 139.45 | 2,789.00 |
| 27 | 510004625 | REPLACEMENT/FIXING OF PIPE LINES OF SIZE 50 TO 125 MM AT ADMINISTRATION BUILDING/OUT SIDE PERIPHERY AC PLANTS ETC.. | 50.000 | M | 219.52 | 10,976.00 |
| 28 | 510005438 | REPLACEMENT / FIXING OF PIPELINES OF SIZE 150MM TO 200MM AT ADMINISTRATION BUILDING / OUTSIDE PERIPHERY AC PLANTS ETC., | 20.000 | M | 329.31 | 6,586.20 |
| 29 | 510004628 | REPLACEMENT/FIXING OF VALVES OF SIZE UP TO 65 MM AT ADMINISTRATION BUILDING /OUTSIDE PERIPHERY AC PLANTS ETC.. | 10.000 | EA | 501.41 | 5,014.10 |
| 30 | 510004626 | REPLACEMENT/FIXING OF VALVES OF SIZE 80 TO 150 MM AT ADMINISTRATION BUILDING /OUT SIDE PERIPHERY AC PLANTS ETC.. | 20.000 | EA | 694.19 | 13,883.80 |
| 31 | 510007829 | Replacement / fixing of valves of size 200mm | 6.000 | EA | 904.45 | 5,426.70 |
| 32 | 510004637 | SUPPLY AND FIXING OF THERMAL INSULATION FOR CHILLED WATER PIPES AT ADMINISTRATION BUILDING /OUT SIDE PERIPHERY AC PLANTS ETC.. | 10.000 | M3 | 29,184.46 | 291,844.60 |
| 33 | 510004638 | SUPPLY AND FIXING OF THERMAL INSULATION FOR AIR DUCTS AT ADMINISTRATION BUILDING / OUTSIDE PERIPHERY AC PLANTS ETC.. | 2.000 | M3 | 20,671.02 | 41,342.04 |



**RAHSTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM - 530031**

BILL OF QUANTITIES / PRICE SCHEDULE

| Sl.No | Service Number | Description of the item | Qty | UOM | Rate | Amount |
|-------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|-----------|---------------|
| 34 | 510004612 | FABRICATION AND FIXING OF AIR DUCT AT ADMINISTRATION BUILDING / OUTSIDE PERIPHERY AC PLANTS ETC.. | 20.000 | M2 | 1,118.46 | 22,369.20 |
| 35 | 510004622 | STRUCTURAL STEEL WORKS AT ADMINISTRATION BUILDING / OUTSIDE PERIPHERY AC PLANTS ETC.. | 1.000 | TO | 11,499.05 | 11,499.05 |
| 36 | 510005440 | DISMANTLING ,ERECTION AND COMMISSIONING OF AIR HANDLING UNIT FROM 20 TO 39 TR CAPACITY. | 8.000 | EA | 30,224.16 | 241,793.28 |
| 37 | 510005441 | DISMANTLING , ERECTION AND COMMISSIONING OF AIR HANDLING UNIT FROM 40 TO 59 TR CAPACITY | 2.000 | EA | 40,298.89 | 80,597.78 |
| 38 | 910000131 | SKILLED MAN POWER SUPPLY FOR DEFECT ELIMINATION AND MISCELLANEOUS JOBS AT ADMINISTRATION BUILDING/OUTSIDE PERIPHERY AC PLANTS ETC.. | 150.000 | MDY | 1,077.15 | 161,572.50 |
| 39 | 910000132 | SEMISKILLED MAN POWER SUPPLY FOR DEFECT ELIMINATION AND MISCELLANEOUS JOBS AT ADMINISTRATION BUILDING / OUTSIDE PERIPHERY AC PLANTS ETC.. | 90.000 | MDY | 933.95 | 84,055.50 |
| 40 | 910000133 | USKILLED MAN POWER SUPPLY FOR DEFECT ELIMINATION AND MISCELLANEOUS JOBS AT ADMINISTRATION BUILDING / OUTSIDE PERIPHERY AC PLANTS ETC.. | 150.000 | MDY | 832.65 | 124,897.50 |
| Total Value: In words : one crore forty three lakh forty one thousand nine hundred one rupees ninety eight paise | | | | | | 14,341,901.98 |

QUESTIONNAIRE

NAME OF THE WORK: OPERATION AND MAINTENANCE OF ADMINISTRATION BUILDING & OUTSIDE PERIPHERY AC PLANTS

The following Questionnaire shall be filled by the Tenderer and Technical Bid will be evaluated based on the details and documents submitted.

| | | |
|----|----------------------------------------------------------------------------------------------------------------------------|--------|
| 1. | Confirm whether you have experience in operation and maintenance of Central AC plant of capacity minimum 60 TR. | Yes/No |
| 2. | Confirm whether you have experience in maintenance of cooling tower of capacity minimum 80 TR. | Yes/No |
| 3. | Confirm whether you have experience in maintenance of 3 phase water circulating pumps and chilled water circulating pumps. | Yes/No |
| 4. | Confirm whether you have experience in maintenance of AHU of minimum capacity 20 TR. | Yes/No |
| 5. | Confirm whether you have experience in maintenance of Package AC of minimum capacity 5 TR. | Yes/No |

(Signature of contractor)

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.

[This Integrity Pact has to be printed separately by the Agency, sign with all Witness Signatures ,scan and the same is to be uploaded in the Tech RFx Folder]

RASTRIYA ISPAT NIGAM LIMITED

VISAKHAPATNAM STEEL PLANT
WORKS CONTRACT DEPARTMENT

VISAKHAPATNAM 530 031

PHONES: 0891 2518763, 2758705, FAX: 0891 2518763

IMPORTANT INSTRUCTIONS TO TENDERERS

The Tenderers are requested to note the following:-

- 1.0. The blank Integrity pact document (consisting of 7 Pages) is attached in the Tech RFx Folder
- 2.0. The Integrity pact document should be signed on all pages by the tenderer after filling the blanks along with witness signatures wherever required and is to be uploaded in the Tech RFx Folder
- 3.0. Please note that non submission of duly filled and signed Integrity Pact in prescribed format attached in the Tech RFx Folder will entail to disqualification of tender and price bid of such tenderer will not be opened.

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

And

M/s ----- hereinafter referred to as "**The Bidder/Contractor**"

Preamble

The Principal intends to award, under laid down organizational procedures, a contract for "Operation and maintenance of Administration building & Outside periphery AC plants". The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources, and of fairness/transparency in its relations with its Bidder(s) and /or Contractor(s). The Principal will nominate an External Independent Monitor(s) (EIM(s)) by name at the tender stage/will appoint in case of receipt of any reference, from the panel of EIMs, for monitoring the tender process and the execution of the contract in order to ensure compliance with the Integrity Pact by all the parties concerned.

Section 1 – Commitments of the Principal:

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

-
- (a) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or for third person, any material or non material benefit which the person is not legally entitled to.
 - (b) The Principal will, during the tender process treat all bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - (c) The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/ PC Act, or if there be a substantive suspicion in this regard, the Principal will inform Chief Vigilance Officer of RINL and in addition can initiate disciplinary action.

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

(1) The Bidder(s)/ Contractor(s) commits to take all measures necessary to prevent corruption. He commits to observe the following principles during his participation in the tender process and during the contract execution.

-
- (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the

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

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

- (1) A transgression is considered to have occurred, if the principal after due consideration of the available evidence, concludes that a reasonable doubt is possible.
- (2) If the Bidder(s)/Contractor(s), before award of contract or after award of contract has committed a transgression through a violation of *Section 2* above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) from the tender process or to terminate the contract, if already awarded, for that reason, without prejudice to other remedies available to the Principal under the relevant GCC of the tender/contract.
- (3) If the bidder/Contractor has committed a transgression through a violation of any of the terms under *Section 2* above or in any other form such as to put his reliability or credibility into question, the Principal is entitled also to exclude the bidder / Contractor from future tenders/Contract award processes. The imposition and duration of the exclusion will be determined by the principal keeping in view the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the bidder /Contractor and the amount of the damage.

- (4) If it is observed after payment of final bill but before the expiry of validity of Integrity pact that the contractor has committed a transgression through a violation of any of the terms under *Section 2* above during the execution of contract, the Principal is entitled to exclude the Contractor from future tenders/Contract award processes.
- (5) The exclusion will be imposed for a minimum period of six (6) months and a maximum period of three (3) years.
- (6) If the bidder / Contractor can prove that he has restored/ recouped the damage to the principal caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion before the expiry of the period of such exclusion.

Section 4 - Compensation for Damages:

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

Section 5 - Previous transgressions:

- (1) The Bidder declares that, to the best of his knowledge, no previous transgressions occurred in the last Five (05) years with any other Company in any country conforming to the anti-corruption approach or with Government/any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process. The contract, if already awarded, can be terminated for such reason.

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

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

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

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

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

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

Section 9 – Duration of the Integrity Pact:

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

Section 10 – Other provisions:

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

(For & On behalf of the Principal)

(For & On behalf of Bidder/
Contractor)

(Office Seal)

(Office Seal)

Place -----

Date -----

Witness 1:
(Name & Address)

Witness 2:
(Name & Address)

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

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

3.1. 3 The amount of commission/remuneration included for bidder in the price (s) quoted

3.1.4 Confirmation of the foreign supplier/contract Agency of the Bidder, that the commission/remuneration, if any, reserved for the Bidder in the quoted price (s), may be paid by RINL in India in equivalent Indian Rupees.

4.0 In either case, in the event of materialization of contract, the terms of payment will provide for payment of the commission/remuneration payable, if any, to the agent(s)/representative(s) in India in Indian Rupees, as per terms of the contract.

4.1 Failure to furnish correct information in detail, as called for in para 2.0 and/or 3.0 above will render the bid concerned liable for rejection or in the event of materialization of contract; the same is liable for termination by RINL. Besides this, other actions like banning business dealings with RINL, payment of a named sum etc., may also follow.

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BID SECURITY DECLARATION (In lieu of EMD)

(To be printed on the letter pad and submit duly signed and stamped)

ACS / RFx No.2600007229

Date: 27/11/2021

**Name of work: "Operation and maintenance of Administration building & Outside
periphery AC plants".**

I / We have understood that, according to the conditions of Tender document, bids must be supported by a Bid Security Declaration (BSD). Accordingly, I am / We are submitting this "Bid Security Declaration" as follows:

I / We accept that, I / We will automatically be debarred from participation in all further tenders of RINL for a period of 03 (Three) years and also already submitted bids (if any) shall not be considered for further evaluation, in case of any of the following:

- (a) If I/We withdraw/modify our bid after tender opening and during the period of bid validity stipulated in the tender document or any extension thereof. [OR]**
- (b) Having been notified of the acceptance of our bid by RINL, during the period of bid validity, if I/We**
 - (i) Fail or refuse to execute the contract (OR)**
 - (ii) Fail or refuse to furnish the Security Deposit as stipulated in the Tender document/Work Order/Letter of Acceptance/Purchase Order.**

[SIGNATURE]

In the capacity of [Legal capacity of person signing the Bid Security Declaration]

The bidder shall submit a documentary proof (viz., certified / true copy of Board Resolution / Power of Attorney etc.) with respect to legal capacity of person signing the BSD.

Name:

[Complete name of person signing the Bid Security Declaration]

Duly authorized to sign the bid for and on behalf of (complete name of bidder & address)

Date: [Date of signing]

Corporate seal: (wherever applicable)

Witness:

(Signature of person with Name & Address)

(This undertaking has to be printed on the letter head of the agency, sign, scan the same and upload in the Tech RFx folder)

UNDERTAKING LETTER

To
Chief General Manager (WC) I/C
Works Contracts Department
Visakhapatnam Steel Plant
Visakhapatnam-530 031.

Name of work: "Operation and maintenance of Administration building & Outside periphery AC plants".

ACS / RFx No. 2600007229 dated 27/11/2021.

Sir,

With reference to the Notice Inviting Tender, I/We have gone through the tender documents downloaded from SRM Portal. 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 the Terms and Conditions and 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 do hereby agree that action may be taken as per Bid Security Declaration (BSD) submitted 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.

SIGNATURE OF THE TENDERER