

RASHTRIYA ISPAT NIGAM LIMITED,  
VISAKHAPATNAM STEEL PLANT  
(A Govt. of India Enterprise)

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Personnel & Administration Contracts Department,  
Room No. 33, B-Block, Project office,  
Visakhapatnam - 530 031  
Ph.No: 0891-2707224 ; FAX No.: 0891-2707224

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**NOTICE INVITING TENDER (NIT)**

**OPEN TENDER NOTICE NO: VSP/P&AC/TA/1535/O/2015-16, Dt. 18/01/2016**

Sealed percentage tenders in the prescribed form are invited from **experienced agencies** for the following work:

Name of the work: : Repair and maintenance of Steel Structural items, Rolling shutters and miscellaneous fabrication, erection works in VSP Township and OPA.

Last date and time of receipt of tenders upto: **3.00 PM on 15/02/2016**

Date and time of opening of tenders : **3.00 PM on 15/02/2016**

Contact Person: Shri K Jagadish, AGM (P&A Contracts), Ph.No: 0891-2707224

The detailed NIT is available in [www.vizagsteel.com](http://www.vizagsteel.com) & [www.tenders.gov.in](http://www.tenders.gov.in) and Tender document can be downloaded from P&A Contracts web page of [www.vizagsteel.com](http://www.vizagsteel.com).

**The bidder should refer to RINL's website regularly for any corrigendum**

**RINL VIGILANCE → TOLL FREE NO: 1800 425 8878**

GM (P&A Contracts)

Signature of Tenderer

**FORM 'C'**  
**RASHTRIYA ISPAT NIGAM LIMITED**  
**VISAKHAPATNAM STEEL PLANT**  
**PERSONNEL & ADMINISTRATION CONTRACTS DEPARTMENT**  
**VISAKHAPATNAM-530031**  
**PHONE NO: 0891-2707224, TELEFAX NO: 0891-2707224**

**NAME OF THE WORK:** Repair and maintenance of Steel Structural items, Rolling shutters and miscellaneous fabrication, erection works in VSP Township and OPA.

**TENDER NO: 1535**

**PERIOD OF CONTRACT** : 36 Months  
**DEFECT LIABILITY PERIOD** : 6 Months  
**ENGINEER** : AGM(C) - TA

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

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

No of pages of BOQ alone :

Total No. of pages :

(FOR OFFICE USE ONLY)

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

Signature of Tenderer

**RASHTRIYA ISPAT NIGAM LIMITED**  
**VISAKHAPATNAM STEEL PLANT**  
**PERSONNEL & ADMINISTRATION (P&A) CONTRACTS DEPT.**  
**Room No. 33, B-Block, Project office,**  
**VISAKHAPATNAM -530031 (AP); TELEFAX: 0891-2707224**

**OPEN TENDER NOTICE NO: VSP/P&AC/TA/1535/O/2015-16, Dt. 18/01/2016**

- 1.0 Sealed percentage tenders along with Earnest Money Deposit (EMD) are invited from agencies, having experience in repair, maintenance, miscellaneous fabrication and developmental steel structural works, for the following work:

Name of the work: Repair and maintenance of Steel Structural items, Rolling shutters and miscellaneous fabrication, erection works in VSP Township and OPA.

Tender Number	Cost of Tender Document (Non-refundable)		Eligibility/ experience requirements		Earnest Money Deposit (Rs.)	Contract Period (Months)
	By hand / download (Rs.)	By post (Rs)	Value of single similar work executed (Rs. In Lakhs)	Ave. Annual financial Turn Over (Rs.in Lakhs)		
1535	1200/-	1350/-	15.00	9.00	75,000/-	36

- 2.0 **Cost of Tender document(s) shall be paid in the form of Demand Draft / Pay Order / Banker's Cheque, obtained from any Nationalized or Scheduled Bank in India, drawn in favour of RIN Ltd., payable at Visakhapatnam and shall be valid for a minimum period of one month from the date of opening of tender i.e., Envelope-1 (Pre-qualification documents). THE COST OF TENDER DOCUMENT(S) RECEIVED ALONGWITH TENDER DOCUMENT WILL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES UPON RECEIPT OF TENDER.**

- 3.0 The value of single similar work executed shall be during the last 7(Seven) years ending last day of month previous to tender notice date i.e., 31.12.2015 and turnover shall be the average Annual Finance Turnover during the last three years ending 31<sup>st</sup> March of the previous financial year i.e. 31.03.2015. The tender document shall be accompanied with copies of (a) Work order, Bill of Quantities, Completion certificate\* with details of value of work executed, (b)for Turnover –audited balance sheets certified by practicing Chartered Accountant in case the annual Turnover is more than Rs 40.00 Lakhs (or) in case of Turnover being less than Rs.40.00 Lakhs either Turnover certificate in the prescribed format of VSP duly signed by a practising Chartered Accountant / Cost Accountant or TDS certificate(s) comprising of the gross bill values issued by the deductor(s) for the work done.(c) copy of registration letter issued by VSP in case of registered agencies and in case of non-registered agencies, either a copy of Notarized sole Proprietorship OR a copy of Partnership deed OR a copy of Memorandum of Association & Articles of Association, along with certificate of registration –whichever is applicable. VSP reserves the right to reject the offer in case the above documents are not enclosed along with the offer. The authorized representative of the tenderer shall sign on all the copies of the documents submitted along with the tender document.

\* Tenderers shall submit a Work Completion Certificate indicating the total value of the work done inclusive of all deviations and escalations against the subject work and including all taxes & duties, **but excluding Service Tax**. In case of work executed outside VSP, and where the total amount included Service Tax, tenderers shall make efforts to get the value of service tax indicated separately in the Works Completion Certificate.

- 4.0 The tenderers are requested to note that:

- 4.1 The offer shall be made in **02(two) envelopes:**

**First envelope** (to be super scribed as Envelope-1 with name of the work, tender no.) should contain the cost of the tender document in case the tender is down loaded from the web site (Tender can be purchased from the office of GM(P&AC) by paying tender cost in the form of DD/PO/BC as cited at para-2 above in which case tender cost need not be enclosed while submitting the tender), Earnest Money Deposit(EMD) separately in the form of DD/PO/BC etc (refer to instruction to tenderer), **PF, ESI,**

Signature of Tenderer

- Service Tax and VAT Registration certificates**, and pre-qualification documents[Criteria eligibility/experience and other documents etc.) as cited at para- 1.0 to 3.0 above, duly signed / attested by the authorized representative of the company. **Second envelope** (to be super scribed as Envelope-2 with name of the work, tender no.) should contain price bid in its prescribed format as per the tender document.
- 4.2 The first cover shall be opened initially and only on satisfying the eligibility criteria, adequacy of cost of tender document (incase of downloaded tender) EMD etc., placed in it, the second envelope containing the price bid shall be opened. ***In case the price bid(s) is/are not opened immediately after opening of Envelope-1***, then the date and time of opening of the price bid along with names of successful tenderers in pre-qualification will be subsequently displayed in the notice board of P&A Contracts only and no individual communication to tenderers will be made.
  - 4.3 Scope of work, Bill of Quantities (BOQ), Terms & Conditions given in the tender documents (placed in the website) is final. On verification, at any time, whether the tenderer is successful or not, if any of the documents submitted by the tenderer including the documents downloaded from our website / issued are found tampered/altered/ incomplete, they are liable for actions like rejection of the tender, cancellation & termination of the contract, debarring etc., as per the rules of the company.
  - 4.4 It will be presumed that the tenderers have gone through the General Conditions, Special Conditions & Instructions to tenderer etc., of the contract available in the website which shall be binding on him/ them.
  - 4.5 The tenderer shall download the "TENDER SCHEDULE" available on the website in totality and submit the same duly signed on each page. **Any time prior to the deadline for submission of bids, P&A Contracts department may, for any reason, modify the tender terms and conditions by way of an amendment, such amendment will be notified on RINL's website at regular intervals.**
  - 4.6 Tenders submitted against the NIT / Tender shall not be returned in case the tender opening date is extended/postponed. Tenderers desirous to modify their offer / terms may submit their revised / supplementary offer(s) within the extended TOD, by clearly stating the extent of updation done to their original offer and the order of prevalence of revised offer vis-à-vis original offer. The employer reserves the right to open the **original offer along with revised offer(s)**.
  - 4.7 **Tenderers shall submit VAT Registration Certificate under APVAT Act if available, and if not available tenderers shall give an undertaking to produce the same if successful in the tender, and shall produce Registration Certificate under APVAT Act, wherever applicable, before signing the Work Order / Letter of Acceptance and submit a copy of the same.**
  - 5.0 The tender documents and other details can be downloaded from our web site: [www.vizagsteel.com](http://www.vizagsteel.com) and the same are to be submitted in the office of **P&A Contracts**, Visakhapatnam Steel Plant duly signed on each page by the tenderer **on or before 03.00 PM on 15.02.2016**.
  - 6.0 Non-transferable tender document can also be obtained from the office of **P&A Contracts**, VSP on written request on bidder's letter head on payment of tender cost in the form of DD/**PO/BC** during working hours 10 AM to 4.30 PM **on or before 04.30PM on 13.02.2016**.
  - 7.0 Tenders will be received in the office of **P&A Contracts**, **up to 03.00 PM on 15.02.2016 and Envelope-1 will be opened immediately there after.**
  - 8.0 **VSP after opening of tender/bid document may seek in writing, documents/clarifications which are necessary for evaluation of tender/bid document from the Tenderers/bidders or issuing authority for confirmation of eligibility/prequalification stipulated in the NIT.**
  - 9.0 If it comes to the notice of VSP at any stage right from request for registration /tender document that any of the certificates /documents submitted by applicant for registration or **by bidders are found to be false /fake/doctored, the party will be debarred from participation in all VSP tenders for a period of 05(FIVE) years including termination of contract, if awarded. E.M.D/Security Deposit etc., if any will be forfeited. The contracting agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation any where in VSP will also be terminated with**

Signature of Tenderer

**attendant fall outs like forfeiture of E.M.D./Security Deposit, if any, and recovery of risk and cost charges etc., Decision of V.S.P Management will be final and binding**

- 10.0 The date of opening of the pre-qualification cover (envelope-1) shall be the date of tender opening.
- 11.0 **Successful tenderer should be in a position to produce, after opening of the price bids, the Original Certificates in support of the attested copies of relevant documents submitted along with tender document. Failure to produce the original certificates at this stage in support of the attested copies of PF Regn./Electrical License/Experience/qualifications/any other documents etc. submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in VSP tenders for two years.**
- 12.0 Tender documents will be issued to tenderers based on their request and on payment of tender cost or same can be downloaded from our web site by submitting the cost of tender along with their offer. However, RINL will not be responsible for any delay/loss/any website related problems in downloading the tender documents etc., RINL reserve the right to (a) Issue or Refuse tender documents without assigning any reason. (b) Split and award the work to more than one agency, (c) reject any or all the tenders or to accept any tender wholly or in part or drop the proposal of receiving tenders at any time without assigning any reason there of and without being liable to refund the cost of tender documents thereupon.

**General Manager (P&AC)**

Ref. Tender No. 1535

**Name of the Work:** Repair and maintenance of Steel Structural items, Rolling shutters and miscellaneous fabrication, erection works in VSP Township and OPA.

To  
 General Manager (P&AC)  
 P&A Contracts Department  
 Visakhapatnam Steel Plant  
 Visakhapatnam-530 031.

Sirs,

With reference to the Notice Inviting Tender, I/We have gone through the tender documents issued to us. I/We have also gone through the General Conditions of Contract of VSP available in VSP web site and noted the contents therein. I/We hereby confirm that I/We shall abide by Terms and Conditions of General Conditions of the Contract including Form of Tender, Invitation to Tender, Articles of Agreement etc. I/We hereby declare that, I/We have visited, inspected and examined the site and its surroundings and satisfied ourselves before submitting this tender; obtained information about the nature of work, facilities that may be required and obtained necessary information about Working Conditions, risk contingencies etc., which may influence this tender. We hereby offer to execute & maintain the work during the defect liability period in conformity with the tender conditions at the respective rates quoted by us.

I/We have deposited the EMD, which amount is not to bear any interest and I/We do hereby agree that this sum shall be forfeited by me/us if I/We revoke/withdraw/cancel my/our tender or if I/We vary any terms in our tender during the validity period of the tender without your written consent and/or if in the event of Visakhapatnam Steel Plant accepting my/our tender and I/We fail to deposit the required security money, execute the Agreement and/start the work within reasonable time (to be determined by the Engineer) after written acceptance of my/our Tender.

- Status of the firm (mark)

Proprietary /Partnership/  
 others (Specify) \_\_\_\_\_

\* Authority to Sign:

- a) Proprietor
- b) Managing Partner
- c) Power of attorney holder

Name of Partners:

- 1)
- 2)
- 3)

Following Details are to be furnished by the tenderer compulsorily (neat&legible) while submitting the tender schedule	
Income Tax PAN No.	
Status/Reason for not having PAN No.	
OFFICIAL ADDRESS	
Phone No:	
Cell No :	
Fax No.:	
e-mail address:	
Party Code:	

Yours faithfully,  
 (Signature of Contractor)  
 Name:.....

Signature of Tenderer

## INSTRUCTIONS TO TENDERERS

- 1.a) Tenders shall be submitted in the office of **P&A Contracts**, Visakhapatnam Steel Plant, Visakhapatnam – 530 031.
  - b) Tenders shall be submitted in the prescribed form issued by VSP. The Tender documents issued are not transferable. Tender documents issued/downloaded shall be submitted wholly without detaching any part.
  - c) The Tenderer shall agree to VSP's terms and conditions, specifications/scope of work, etc., and quote their "**Total Amount only**" accordingly.
  - d) Tender shall be for the entire scope of work mentioned in the tender documents.
  - e) Tenderer "**Shall quote only the Total Amount in figures and in words**". Over writing is not permitted and corrections are to be essentially initialed. Amount quoted in words shall govern in case of variance between figures and words.
  - f) The "**Total Amount quoted in figures and words shall be tallied**" before submission of the tender and all mistakes corrected and initialed. Quotation shall preferably be type written or written in neat and legible handwriting. All the pages of tender documents shall be signed by the tenderer.
  - g) **Respective Tenderers participating in the tenders due for opening on the scheduled day, can witness the opening of tenders/price bid on production of valid identity card / gate pass, or alternately, shall give a duly signed authorization to their designated representatives who are nominated if they wish to witness the tender / price bid opening. However, if the tenderer/designated representative participates for other than his tender his gate pass will be cancelled for a period of 01 (ONE) year.**
  - h) If by any reason the tender opening is postponed to any other date, the details will be displayed in the notice board of P&A Contracts Department. Tenderers shall see the notice board regularly and keep themselves informed in this matter.
  - i) Before quoting, the tenderer shall necessarily contact the "Engineer" and fully understand the job, scope of work, unit of measurement, mode of measurement, scope of supply of materials by VSP if any, working conditions, shutdown arrangements, Labour deployment requirements, risk contingencies and such other factors which may affect their tender.
  - j) **General Conditions of Contract of VSP for P&A Contracts are available in the Office of P&A Contracts and also in VSP's web site for reference. The tenderers shall study and understand all the relevant provisions before quoting.**
  - k) Tenders shall be kept open for acceptance for a period 4 (Four) MONTHS from the date of opening of tender i.e., Envelope-1.
  - l) After opening of tender, the tenderers may be called for negotiations and the details like date, time etc. will be displayed on the notice board of P&A Contracts Department. The tenderers shall see the notice board regularly and keep themselves informed in this matter and promptly attend negotiations without fail.
  - m) Purchase Preference will be given to PSU's where applicable as per DPE guidelines.
  - n) The local Small Scale Industries as approved by VSP and registered with **Works Contracts Department** of Visakhapatnam Steel Plant in the category of Industrial Paint Manufactures for supply and application of industrial Paints to various structurals, equipment pipelines etc., are eligible for purchase preference as per the policy of VSP in force from time to time. The local small-scale industries, those who are technically and commercially acceptable shall be considered for extension of Purchase Preference, if the offer is within 15% above L-1 price and upon their matching with L-1 price.
- 2 Micro and Small Enterprises (MSEs) are exempted from submission of Cost of Tender Documents / Tender Processing Fee (CTD), Earnest Money Deposit (EMD), and Security Deposit (SD), irrespective of whether the service is to be carried out within or outside their premises, subject to submission of Proof of enlistment/registration with any of the following agencies,-

Signature of Tenderer

- i. District Industries Centre (Acknowledgement of Entrepreneur Memorandum i.e. EM part II)
- ii. Khadi and Village Industries Commission
- iii. Khadi and Village Industries Board
- iv. Coir Board
- v. National Small Industries Corporation (NSIC)
- vi. Directorate of Handicrafts Handloom
- vii. Any other body specified by Ministry of MSME

Note:

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

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

- 4 The tenderer shall quote total amount in figures and in words (capital letters) in the "Quote Sheet" provided in the tender document. In case of percentage tender, the quoted amount of the tenderer shall be converted into percentage (with 4 decimal places without rounding off) above/below/at par with respect to estimated value of the work. The percentage so derived shall be applicable on the value of the work executed as per the estimated rates mentioned in Bill of Quantities.

Note:

The Successful tenderers (i.e., Contractors) shall be required to also pay additional amount(s) towards Special Miscellaneous Allowance (SMA) & Additional SMA to the contract workers deployed in the contract(s), as indicated at clause No. 38 of Special Conditions of Contract.

Signature of Tenderer

**2) EARNEST MONEY DEPOSIT (EMD) & COST OF TENDER DOCUMENT (CTD)**

- a) **In case of Earnest Money Deposit being less than or equal to Rs.5 Lakhs**, Earnest Money Deposit shall be in the form of Demand Draft / Pay Order / Banker's Cheque obtained from any Nationalized or scheduled commercial bank in India, drawn in favour of Rashtriya Ispat Nigam Ltd., Visakhapatnam Steel Plant, payable at Visakhapatnam and shall be valid for a minimum period of one month from the Envelope-1 (Pre-qualification documents) opening date. **No other mode of payment will be accepted. However, in case EMD exceeds Rs.5 Lakhs, tenderers have the option to submit the same in the form of Bank Guarantee (In the format as enclosed to the GCC) from any Scheduled Commercial Bank, encashable at Visakhapatnam. Bank Guarantees shall be valid for a minimum period of 04(Four) months from the date of opening of Envelope-1 (Pre-qualification documents). The above shall supercede the instructions regarding "form of EMD" elsewhere in the tender document.**
- b) Public Sector Enterprises of State / Central Government Undertakings are exempted from submission of Earnest Money Deposit (EMD) provided they submit a letter requesting for exemption from submission of EMD along with their offer.
- c) Micro and Small Enterprises (MSEs) are exempted from submission of Cost of Tender Documents / Tender Processing Fee (CTD), Earnest Money Deposit (EMD), and Security Deposit (SD), irrespective of whether the service is to be carried out within or outside their premises, subject to submission of Proof of enlistment/registration.
- d) EMDs of unsuccessful tenderers will be refunded after reasonable time without interest.
- e) **Corrections / amendments / replacement to / of the deficient documents / financial instruments for EMD and CTD shall not be sought from the tenderers in the following cases where:**
- i) There is evidence of Tampering / Unauthorized correction.
  - ii) The value of financial instrument (s) / document (s) is falling short of the value stipulated in the NIT.
  - iii) The validity of the BG (s) as on initial TOD is falling short of the minimum validity period stipulated in the tender.
  - iv) Discrepancy exists in the name of Payee / Beneficiary.
  - v) The bidder fails to submit CTD and / or EMD or in case of submission of a single instrument / document towards both CTD and EMD
- and such tenders shall be rejected.**
- f) **The instrument (s) / BG (s) against CTD and EMD should withstand the verification for genuineness.**

**3) MODE OF SUBMISSION OF TENDER**

- a) Tender shall be submitted in two separate sealed covers. In case of single bid tender, the first cover shall contain the D.D. / Pay Order / Banker's Cheque for Earnest Money Deposit / Cost of Tender Document / EMD exemption documents for PSUs & SSI units, tender documents, other pre-qualification documents etc. and the second cover shall contain the Price Bid.
- b) In case of two bid system, the first cover shall contain the techno-commercial bid part of tender, along with the other bank instruments / documents indicated in para 3(a) above, and the second cover shall contain only the price bid part of tender.
- c) The two covers shall be placed in an outer cover superscribed with the Name of the work, Tender Notice No., Due date, Time of submission and Tender Opening date.

**SPECIFICATION**  
**FOR**  
**REPAIR AND MAINTENANCE OF STEEL STRUCTURAL ITEMS, ROLLING SHUT-**  
**TERS AND MISCELLANEOUS FABRICATION, ERECTION WORKS IN VSP TOWN-**  
**SHIP AND OPA.**

**1.0 GENERAL:**

**1.1 SCOPE & APPLICATION OF SPECIFICATION.**

1.1.1 The scope of work under this contract covers "Repairs, developmental and maintenance of Rolling shutters and steel items in VSP Township" as indicated in the Specifications and Bill of Quantities.

1.1.2 All renewal/replacement shall be carried out as per the specifications laid down for the maintenance works.

1.1.3 For "Repair jobs" it is difficult to describe exactly the method and extent of repair to be carried out. However the description given in the BOQ is indicative and agency is to take up necessary repairs as per site conditions.

1.1.4 Since most of the items are "Repair and maintenance" in nature, the necessary cleaning, scrapping etc., required for developing bond with old surfaces shall be carried out by the agency.

1.1.5 Since the works are scattered and are to be carried out at various levels, the agency has to make necessary mobilization.

1.1.6 The materials proposed to be used in this contract shall be of approved quality (ISI). Some of them are indicated in the list of "Preferred Makes" attached with the Specification. The agency has to get the materials approved before use.

1.1.7 All the works as per the BOQ shall be carried out as per the latest IS Specifications applicable and as directed by Engineer.

1.1.8 The specifications shall be read in conjunction with other documents forming the contracts viz. Tender Notice, General conditions of Contract including Form of Tender, Invitation to Tender and Articles of agreement for maintenance work, Special conditions of Contract, Bill of Quantities and drawings.

**1.2 LOCAL CONDITIONS:**

The tenderer shall visit the site and ascertain the local conditions, entry, traffic restrictions, obstructions, if any and also site conditions. Whether the tenderer visits the site or not, he is deemed to have visited the site and ascertained all the site conditions. The tenderer shall allow in his tender for all extras likely to be incurred due to such conditions. No claim will be allowed on this account under any circumstances from the contractor.

**1.3 SAFETY:**

The contractor shall take adequate precautions to ensure complete safety and prevention of accidents at site. The safety precautions shall conform to the following Indian Standard Codes, wherever applicable:

IS : 3696 ...Safety code for scaffolding and ladders.

IS :7923...Safety code for working with construction machinery.

**1.4 CODES AND STANDARDS (LATEST EDITIONS):**

Unless specifically mentioned otherwise all applicable codes, standards and specifications published by the Indian Standards Institution and all other such documents as may be published by them after commencement of work shall govern design, workmanship, quality and properties of materials method of field and laboratory testing, method of measurement for different item of work etc.

If the offer deviates from standards specified, the tenderer shall indicate clearly the standard he proposes to adopt with details/copies of such standard with the offer.

**1.5 WORK INCLUDED:**

The contractor shall furnish labour, materials, equipment and tools, so as to complete the work as specified herein and/or as shown in bill of quantities. The work required under this section shall include:

1.5.1 Supplying raw steel and other materials unless otherwise provided in the contract.

1.5.2 Fabrication of steel work, delivery to the site including providing shop coat of painting as specified on fabricated steel-work.

1.5.3 Receiving at site, off loading, stacking, transporting to the site of erection and erecting the steel-work including aligning, leveling and making ready in all respect for grouting.

::3::

1.5.4 Providing one coat of primer and two coats of finishing paint as specified on all steel-work after erection.

## **1.6 MATERIALS:**

### **1.6.1 STRUCTURAL STEEL:**

All structural steel materials shall conform to IS : 1977 or IS : 226.

### **1.6.2 STEEL DOORS, WINDOWS AND VENTILATOR:**

Steel doors, windows, ventilators and their fittings for residential and office buildings shall conform to IS : 1038 and be of the size and type specified in the drawings.

Steel windows for industrial buildings shall conform to IS : 1361 unless otherwise specified and shall be of the type and size as shown in the drawings.

External doors shall provided with threshold as shown in IS : 1081 and the doors required for internal use shall be provided with an approved size base tie-bar in lieu of the threshold.

Unless otherwise specified, coupling section shall be of mild steel and handles, peg stays and pivots of centre hung ventilators shall be of lead thin bronze (gun metal). Hinges for side hung shutters shall be of projecting non-friction type, unless otherwise specified. Weather bars shall not be provided unless specifically indicated on the drawings. The type, size, number and position of fixing lugs shall conform to IS : 1038. The steel doors shall be painted with one coat of red-oxide paint conforming to IS : 102 before they are supplied. Glazing clips shall be provided where pane sizes exceeds 600 x 300mm and shall be of shape as shown in IS : 1038.

### **1.6.3 STEEL:**

All steel shall be free from rust scales, laminations, cracks, fissures and other surface defects.

### **1.6.4 BOLTS & NUTS:**

All bolts and nuts shall conform to IS : 1363 of IS : 1364 and unless specified otherwise shall be hexagonal. All nuts shall fit tight.

### **1.6.5 WASHERS:**

Plain washers shall be of mild steel, unless otherwise specified. One washer shall be supplied with each bolt. An additional spring washer shall be provided for bolts carrying dynamic or fluctuating loads and those in direct tension.

**1.6.6 ELECTRODES:**

Mild steel electrodes shall conform to IS : 814 for welding in any particular position. The electrodes used shall be those recommended by the manufacturer for use in that position.

**1.6.7 BUILDERS HARDWARE:**

**1.6.7.1 Codes and standards:**

IS : 204 ... Tower bolts

IS : 205 ... Non-ferrous metal but hinges

IS : 281 ... Mild steel sliding door bolts  
aldrops for use with padlocks.

IS : 2681...Non-ferrous metal sliding door  
bolts (aldrops) for use with  
pad-locks

IS : 4218 ... Commercial bolts and nuts.

1.6.7.2 Builder's hardware shall conform to the relevant Indian standards and shall be provided as shown in the drawings or as indicated in the Bill of Quantities. They shall be of the best quality and complete with all necessary screws, bolts, plugs and other fittings. The rate shall include for all necessary screws, other adjuncts, fixing in position and is for the completed work. The finish shall be as specified in the Bill of Quantities.

**1.6.8 OTHER MATERIALS:**

Other materials used in association with steel work shall comply with the appropriate Indian Standard.

**1.6.9 BOUGHT-OUT ITEMS:**

Before ordering bought-out item, special accessories and material of any description, the contractor shall submit for the approval of the engineer, the names of the proposed makers or suppliers together with the specification of the material.

**2.0 ROLLING SHUTTERS (HAND OPERATED, MECHANICAL GEAR OPERATED AND ELECTRICALLY OPERATED:**

Rolling shutters shall be fabricated from 18 gauge steel and machine rolled with 75 mm rolling centers with effective bridge depth of 12mm lathe sections, interlocked with each other and ends locked with malleable cast iron clips conforming to IS : 2108.

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The guides shall be either rolled or pressed deep channel sections, 75 mm and 25 mm wide fitted with necessary fittings and fixtures.

The suspension shaft of the roller shall be made of steel pipe conforming to heavy duty of IS: 1161 and of sufficient diameter so as to resist deflection due to the weight of the rolling shutter. The deflection shall not exceed 5mm per meter width. The shaft shall be provided with C.I. pulleys and helical spring for counter balancing the weight of the shutter adequately. The spring shall be made of high tension steel wire conforming to grade 2 of IS:4454. For large size rolling shutters the roller shall be provided with double row self-aligning ball bearings. For wire opening the roller shall be of fabricated cage type. The roller assembly shall be designed so as to be capable of producing sufficient torque to ensure easy operation of the rolling shutters in any position. The spring tension shall be adjustable by means of suitable adjustment holes drilled on the rims of the pulleys.

The hood cover shall be made of 20 gauge galvanized sheets with necessary stiffeners and framework to prevent sag. The bottom lock plate shall be made of 5mm thick M.S.plate, 95 mm wide and reinforced with angle/T-iron of suitable section with 6mm dia M.S. rivets interlocked with last stride of curtain. The locking arrangement shall consist of sliding bolts at both ends of the bottom plate fitted to engage with suitable receiving pockets at the bottom plate fitted to engage with suitable receiving pockets at the bottom of the guide channels.

Unless otherwise specified, for overall area of rolling shutters Upton 8 Sq.m, pull and push type hand operated shutters shall be used for area between 8 sq m and 12 sq m, pull and push type shutters shall be provided with ball bearing and for areas larger than 12 sqm, mechanical gear type or electrically operated shutters shall be supplied.

### **3.0 TUBULAR GATES:**

Subsidiary gates, unless otherwise specified, shall be made of ,A, grade pipe of 38 mm nominal bore and weld mesh fabric 3 mm to 50 mm centers both ways as indicated on the drawings and shall be fully welded. The corners shall be square. The gate shall be additionally reinforced with flats as shown on drawings.

### **4.0 STEEL GRILLS:**

The grills of windows, verandahs, balconies etc., shall be of mild steel. The design of grills and shapes and sizes of various components shall be in accordance with the drawings. The edges, angles and corners shall be clean and

true to shape. The joints shall be interlocked and overlapping and neatly spot-welded in such way that the grill is rigid.

Where moulded grills are specified, the moulded work shall be according to the drawings and shall have clear, straight and sharply defined profile.

**5.0 STEEL GATES:**

Steel gates shall be fabricated and fixed in position strictly as per design and drawing. All intersections of meeting of all members shall be welded and the workmanship shall be of high quality to the entire satisfaction of the Engineer. After fixing in position these shall be cleaned off dust, dirt, rust or scales and rubbed with emery paper. Two coats of synthetic enamel paint over a coat of Zinc Chromate primer shall be applied. The rates for the gate shall include the cost of locking arrangements, Jamming pintte with P.C.C.1:3:6 with 20 mm nominal size aggregate etc. The rate is for the complete work in all respects.

**6.0 Fixing of Ironmongery :**

Ironmongery shall be fixed solidly to all doors, cupboards and panels and in accordance with the manufacturer's instructions.

Hinges shall be carefully housed or led into doors and frames.

Ironmongery shall be carefully wrapped and protected until completion.

**7.0 FABRICATION:**

All fabrication of steel-work shall be in accordance with IS : 800 unless otherwise specified. The tolerances of fabrication of steel structures shall be in accordance with IS : 7215 unless otherwise specified.

**7.1 WORKMAN-SHIP:**

**7.1.1 GENERAL:**

All workmanship shall be equal to the best practice in modern steel works. Greatest accuracy shall be observed in fabrication and repair of the steel-work.

**7.1.2 STRAIGHTENING:**

All materials shall be straight and shall be free from twists.

### **7.1.3 SHEARING, FLAME CUTTING AND PLANING:**

Shearing or flame cutting may be used at the contractors option. Sheared members shall be free from distortion at sheared edges . When gas cutting is adopted the cut edges shall be machined to a depth of 3to 5 mm depending on the thickness of the member . Edge preparation for welding may be done by machine controlled flame cutting with edges free of burns clean and straight.

### **8.0. WELDING:**

#### **8.1 GENERAL:**

The welding and the welded work shall generally conform to IS : 816 and 823 unless otherwise specified. As much work as possible shall be welded in shops and the layout and sequence of operations shall be so arranged as to eliminate distortion and shrinkage stresses.

#### **8.2 ELECTRODES:**

All electrodes shall be kept under dry conditions. Any electrodes damaged by moisture shall not be used unless it is guaranteed by the manufacturer that when it is properly dried, there will be no detrimental effect. Any electrode which has part of its flux coating broken away or is otherwise damaged, shall be rejected. Any electrode older than six (6) months from the date of manufacture shall not be used.

#### **8.3 Preparation of joints:** In case of U-groove joint, the edges shall be prepared with an automatic flame cutting torch in two phases following a bevel out with a gouging pass or by machining.

The welding surfaces shall be smooth uniform and free from fins, tears, notches or any other defect which may adversely affect welding and shall be free of loose scale, slag, rust, grease, paint moisture or any other foreign material.

#### **8.4 WELDING PROCEDURE:**

Welding procedure shall cover the following :

1. Type and size of electrodes
2. Current and (for automatic) arc voltage
3. Length of run per electrode or (for automatic welding) speed of travel.
4. Number and arrangement of runs in multi run welds
5. Position of welding
6. Preparation and set up of parts
7. Welding sequence

8. Pre or post heating
9. Any other relevant information

The welding procedure shall be so arranged that the distortion and shrinkage stresses are reduced to a minimum and that the welds meet the requirement of quality specified here under.

Any weld found defective shall cut by using either chipping hammer or gouging torch in such a manner that adjacent material is not injured in any way.

Peening of the welds involving deformation of the weld surface either during deslagging operation or thereafter, shall not be allowed.

#### **8.5 FUSION FACES AND SURROUNDING SURFACES:**

Fusion faces and the surrounding surfaces within 50 mm of welds shall be free from all mill scale and free from oil, paint or any substance, which might affect the quality of the welds or impede the quality/progress of welding. They shall be free from irregularities such as would interfere with the deposition of the specified size of weld or be the cause of defects.

All mill scales within 50mm of welds shall be removed prior to welding either by pickling followed by through power brushing or by other approved methods.

If preparation or cutting of the fusion faces is necessary shearing, chipping shall carry the same out, gas cutting or flame gouging.

Where hand gas-cutting or hand gouging is employed, the blow pipe or gouging blow pipe shall be properly guided.

#### **8.6 ASSEMBLY FOR WELDINGS:**

Parts to be welded shall be properly assembled and held firmly in position by means of jigs and clamps prior to and during welding.

#### **8.7 ACCURACY OF FIT-UP:**

Parts to be fillet welded shall be brought into as close contact as practicable and the gap due to faulty workmanship or incorrect Fit-up shall not exceed 1.5mm. If greater separation occurs at any position, the size of fillet weld shall be increased at such positions by the amount of the gap.

**8.8 JIGS AND MANIPULATORS:**

Jigs and manipulators shall be used where practicable and shall be designed to facilitate welding and to ensure that all welds are easily accessible to the operators.

8.9 Ends of Butt Welded Joints: The ends of butt joints shall be welded so as to provide full throat thickness. This may be done by the use of extension piece, cross-runs or other approved means.

8.10 Weld Face and Reinforcement of Butt Welds: The weld face shall at all places be deposited proud of the surface of the parent metal. Where a flush surface is required the surplus metal shall be dressed off.

**8.11 DISLAGGING:**

After making each run of welding all slag shall be thoroughly removed and the surface cleaned.

**8.12 QUALITY OF WELDS:**

The weld metal as deposited (including tack welds if to be incorporated) shall be free from cracks, slag inclusions, porosity, cavities and other deposition faults. The weld metal shall be properly fused with the parent metal without undercutting or overlapping at the toes of weld. The surface of the weld shall have a uniform consistent contour and regular appearance,.

**8.13 MACHINING:**

All butt joints shall be accurately machined and close butt near the whole section. Care shall be taken that connecting members are fixed with such accuracy that they are not reduced in thickness by machining by more than 0.8 mm.

**8.14 VISUAL EXAMINATION :**

All welds shall be visually examined and measured for external dimensions. Before examining the welded joints, areas close to it on both sides of the weld cleaned off slag and other impurities shall be done by a magnification power of ten (10). Welded joints shall be examined from both sides. The following shall be examined during the visual checks.

1. correctness and shape of the welded joints .
2. Incomplete penetration of weld metal.
3. Influx.
4. Burns.
5. Unwelded craters.
6. Under cuts.
7. Cracks in welded spot and heat affected zones.

8. Porosity in welds and spot welds.
9. Compression in welded joints as a result of electrode impact while carrying out contact welding.

**8.15 WEATHER CONDITIONS :**

Welding shall not be done under weather conditions, which might adversely affect the efficiency of the welding.

**8.16 QUALIFICATION AND TESTING OF WELDERS:**

The contractor shall satisfy the Engineer that the welders are suitable for the work for which they will be employed. The Engineer may at his own discretion order periodic tests of the welders and/or of the welds produced by them. Such tests shall be at the expense of the contractor.

**8.17 SUPERVISION:**

The contractor shall employ a competent welding supervisor to ensure that the standard of workmanship and the quality of the materials comply with the requirements laid down in this specification.

**9.0 HANDLING OF MATERIAL :-**

The fabricated materials on receipt at site shall be examined for defects. All small bends or twists received by members shall be rectified before such members are put in place. Any serious bends or damage shall be reported at once to the engineer by the contractor for instructions. The straightening of bent edges angles or other shapes shall be done by methods not likely to produce fracture or other injury. Following the completion of the straightening, the surface of the metal shall be inspected for evidence of incipient or other fractures.

**10.0 SETTING OUT ASSEMBLY AND ERECTION:-**

The contractor shall be responsible for checking the alignment and levels well in advance. The contractor shall assume full responsibility for correct setting out of all steel work as per alignment and levels and plumbing of vertical members. If any error appear or arise (therein), the contractor at his own cost shall remove and amend the work to the satisfaction of the engineer.

Contractor shall plumb and level all steel work and shall thoroughly brace and guy the structure. The contractor shall provide adequate supervision and examine each portion of work for accuracy. He shall also provide facilities such as, adequate temporary access ladders, gangways, tools and tackles, etc., to the satisfaction of the engineer for his inspection.

## **11.0 FIELD WELDING:**

All field welding shall be executed in accordance with the requirement of shop fabrication, in addition to where the steel is been painted, the paint shall be removed before field welding for a distance of at least 50mm on either side of the joints.

## **12.0 PAINTING:**

### **12.1 CODES AND STANDARDS:**

IS :1477...Code of practice for painting of ferrous metals in buildings

IS :2074...Ready mixed paint, red oxide zinc Chromate priming

IS :2339...Aluminum paint for general purpose in dual container

IS :2932...Enamel, synthetic, exterior, type-I

a) Under coating

b) Finishing, colour as required.

### **12.2 PAINT:**

The painting and finishing materials for use in the work shall conform to relevant Indian Standards and work. Ready mixed paints shall be used for the work unless otherwise specified, or if the Engineer is satisfied that they are not available they may be prepared at time.

If paints mixed at site are to be used, they shall be prepared by mixing appropriate ingredients in approved proportions. The contractor shall submit samples of each material for approval of the Engineer. The contractor shall not construe approval of samples as acceptance of materials, as these materials shall be tested from time to time during the progress of the work.

The materials for succeeding coats on any one surface shall be products of the same manufacturer supplying the first coat for that particular surface.

### **12.3 PRIMER COAT:**

Unless otherwise specified, the primer coat for steel and iron work shall be as indicated in the Bill of Quantities.

### **12.4 BRUSHES:**

Paint shall be applied by brushes. Brushes required for painting shall be of type and size suitable for the work. Conforming to relevant Indian Standards. Rags, Inferior quality brushes or the like shall not be used on the work.

**12.5.1 PREPARATION OF PAINT:**

Normally, only ready mixed paints shall be used. Where ready mixed paints are not available and if oil base paints are prepared at site, the ingredients shall be thoroughly ground, thinned with double boiled linseed oil in specified proportion to the required consistency, and added to the prepared base. The mixture shall be stirred and strained through a piece of cloth. The painting materials, when applied, shall spread evenly in a thin coat and flow on smoothly without showing any brush marks or cracks.

**12.5.2 PREPARATION OF SURFACE:**

The surface of iron and steel work to be painted shall be cleaned free of dirt, oil, rust, mill scale and be thoroughly dry before painting. Cleaning, degreasing, de-rusting and de-scaling wherever necessary shall be carried out as specified in IS: 1477 (Part-1).

The surface of woodwork to be painted shall be cleaned and rendered dry, free of dirt, girt and grease and shall be rubbed with the appropriate quality of sand paper. All knots, pitch streaks and sappy shall be touched up with shellac varnish.

**12.5.3 PAINING IRON AND STEEL WORK :**

Painting of iron and steel work shall generally be carried out as per IS:1477. The number of coats including the primer coat shall be applied as specified in the Bill of Quantities. Each coat shall be allowed to dry sufficiently before the succeeding coat is applied.

The type of intermediate and finish coat and the number of coats to be applied shall be as specified in the Bill of Quantities. Intermediate and finish coats may be oil bound, bituminous, aluminum or other type of paints. Aluminum paint shall conform to IS: 2339. The intermediate and finish coats for structural steel work, sheet metal work and cast iron work shall be applied as specified in IS: 1477 (Part-II).

**VISAKHAPATNAM STEEL PLANT  
TOWN ADMINISTRATION DEPT.  
PREAMBLE TO BILL OF QUANTITIES**

- 1.0 The scope of work "Repair, developmental and Maintenance of steel structural items, rolling shutters and miscellaneous fabrication, erection works in VSP Township and Outside Plant Area" complete in all respects, all as per drawings, specifications and time and as broadly indicated in the Bill of Quantities.
- 2.0 The items and rates will cover the complete works offered to or implied in the items, and are to be carried out as detailed in the specifications, additional specifications and include all subsidiary and enabling operations required whether or not enumerated in the items or in the preamble to specifications and Additional Conditions.
- 3.0 The quantities of the items of work indicated in the Bill of quantities are probable quantities only and it must be clearly understood that the Contract is not a lump sum contract, that neither the probable quantities nor the value of the individual items of work nor the aggregate value of the entire tender will form part of the contract and the employer does not in any way assure the tenderer or guarantee that the probable quantities are correct or that the work should correspond there to. No change in the unit rate will be admissible for any variation of quantities.
- 4.0 The tenderer shall carefully go through the clauses in the invitation to tender, Articles of Agreement, Special Conditions of Contract, Specifications, Preamble to Bill of Quantities, Drawings and shall include in his quoted rates for the various clauses contained therein. The items of the work and the unit prices stated in the Bill of Quantities are inclusive of everything necessary to complete the said items of work within the contemplation of the contract and beyond the unit price no extra payment will be allowed for any incidental or contingent work, labour, materials and plant.
- 5.0 The rates indicated against each item shall be for the finished works at different heights and will be deemed to include the cost of all materials, labour, tools, tackles, scaffolding plant and equipment required for the completion and/performance of work. The items in Bill of Quantities shall be read accordingly.

- 6.0 The rate quoted for items of fittings, fixtures, paints etc., shall be for the makes/brands as indicated for various items in the List of preferred make forming part of this tender.
- 7.0 Unless otherwise specified, most of the items are involving replacement and the rate shall be inclusive of cost of removal of fittings & fixtures etc., and handing it over to civil maintenance stores.
- 8.0 The rate quoted for items of works of painting (Enamel Paint, Plastic Emulsion Paint, Oil Bound Distemper, Cement Paint etc.,) including white washing shall, include for cleaning of old surface, removal of rust from old steel surface before applying primer/painting/white washing etc., and cleaning of any splashes and dropping etc., after finishing the white washing /paint work.
- 9.0 The contractor shall get all materials including those covered under list of preferred makes intended to be incorporated in the work approved before using them on the work. If so directed by the Engineer, the contractor shall get the materials tests and submit the report to the Engineer. During the execution of the work any material used by the contractor, not found as per the approved sample, the same shall have to be replaced/redone by the contractor at his own cost. The documentary proof of purchase of approved material if required by the Engineer shall be produced by the Contractor.
- 10.0 Unless otherwise specified, all measurement will be in "Metric Units. Mode of measurement for all the items in Bill of Quantities shall be as per IS: 1200

## **ADDITIONAL SPECIAL CONDITIONS**

- 1.0 The contractor shall get the paints shade and brand approved by the Engineer prior to procurement. Use of materials other than approved one shall lead to action in terms of contract. The contractor shall produce the documentary proof of purchase of the approved materials as and when required by the Engineer.
- 2.0 Contractor and his workmen shall take care to see that no damages are caused to the belongings of the residents of VSP property.
- 3.0 Contractor shall arrange proper cleaning of the floors etc., immediately after completion of the work under particular job orders.
- 4.0 Contractor shall return all old removed sheets/MS items to Central stores of VSP, inside the plant area or as directed by the Engineer.
- 5.0 The contractor not complying with the conditions under Clause-1, 2, 3&4 above is liable to pay a penalty to be assessed by the Engineer. The assessment of penalty by the Engineer is final and binding on the contractor. Penalty will be recovered from the bills.
- 6.0 **Water & Power:**
  - 6.1 Water:- The water to the extent required for the work will be supplied by VSP free of cost at selected points/taps. The contractor has to make necessary arrangements at his own cost to draw water from these lines.
  - 6.2 Power:- Electrical power to the extent required for the work, office, stores etc., will be supplied by VSP free of cost at selected points. The agency has to make necessary arrangements. The agency shall use proper electrical equipment so that the power factor at source point shall not fall below 0.85.
- 7.0 (i) The work shall be executed as per the job orders issued to the contractor. The job orders shall indicate the details of the job, the location and completion time in the job orders. The time schedule as in the job order is to be followed strictly.
  - (ii) The contractor or his authorized representative shall visit the office of the Engineer every day in the morning at 9.00 AM and at 2.00 PM. in the afternoon and report the status of the works under execution and receive further instructions and job orders.
  - (iii) The contractor shall invariably obtain work completion certificate showing the details of completed work duly signed by his representative, acknowledged by the resident, and certified by the supervisor immediately on completion of job. This is required for Town Maintenance records. However, the payments will be made for the work carried out and measured as per relevant BQO items.
- 8.0 The Job orders/Instructions/Notices as and when issued shall be collected by the contractor, at the Maintenance Office of VSP. In case the contractor or his representative fails to attend the VSP maintenance office, the said job orders/ instructions/Notices etc., will be displayed on the Notice

Board of the VSP Maintenance Office for the particular area and the same shall be deemed to have been served on the Contractor.

- 9.0 In case of delay in completion of work as given in such job orders, liquidated damages shall be levied at the rate of 2% of the value of such individual job order, for each day of delay for the total period of delay. However, the maximum recovery shall not be more than 10% of the value of the work mentioned in the job order.
- 10.0 Engineer reserve the right to get the particular job done through any other agency and any extra amount incurred in getting the job thus done shall be deemed to be debt due by the contractor to the Employer and the same shall be recovered by the Engineer from the pending bills accordingly without any reference to the contractor.
- 11.0 **Period of Contract:** The contract is initially for a period of Three years and VSP reserves the right to extend the contract for a further period of One year on the same rates, terms and conditions of the contract for which the contractor shall not have any objection.
- 12.0 **Land:** The employer will at his discretion and for the duration of the contract make available land, free of charge, within and /or near the employer's work site for the contractor to put up stores, site fabrication yard and office as required for the execution of the contract. Any clearing and leveling of the ground, services, roads etc., as required shall be done by the contractor at his own cost conforming to the various stipulations of the employer if any. The area required for the above purpose may be indicated by the contractor for consideration of the employer.
- 13.0 **Accommodation for labour and supervisory staff:** The contractor shall make his own arrangements for the accommodation of his labour and supervisory personnel for which no land shall be provided by the employer.
- 14.0 On completion of works and/or on termination of contract, field office, construction stores, fabrication yard and all other temporary works shall be dismantled and removed from site by the contractor and the site and works shall be left clear and clean of all obstructions at his cost. In the event of contractor's failure to do so, the employer reserves the right to clear site in manner as he may deem necessary and the cost and the expenses for all such clearances incurred by the employer shall be recovered from the contractor's bills or from any money due to the contractor from the employer without prejudice to any other measures the employer is empowered to take under the contract. The employer also reserves the right to take over any or all such temporary structures put up by the contractor on completion of the works at the mutually agreed terms.
- 15.0 VSP in case of exigencies, reserves the right to award more than one contract in the same area involving same nature of work for which the existing contractor shall not have any objection.
- 16.0 VSP follows ERP mode of payment. Therefore, the contractor shall submit all bills in ERP format for making payments.

## SPECIAL CONDITIONS OF CONTRACT (SCC)

1. General: The special conditions of the contract (SCC) are complementary to and shall be read in conjunction with General Conditions of Contract (GCC) of VSP for P&A 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 Acceptance /work order to the successful tenderer, unless otherwise specified.
4. WATER, POWER AND COMPRESSED AIR: Unless otherwise specified to the contrary in the tender schedule, the contractor is entitled to use in the work such supplies of water, power and compressed air (Basing on availability) from VSP's sources from approved tapping points, free of cost. The contractor shall make his own arrangement for drawing the same to the work spot.
5. **The successful tenderer shall produce Registration Certificate under APVAT Act, wherever applicable, before signing the Work Order / Letter of Acceptance and submit a copy of the same.**
6. Immediately on receipt of work order, the successful tenderer shall obtain and submit the following documents to the Engineer with a copy to ZPE/Manager (Pers)/CLC before start of work.
  - a(i) **ESI registration certificate** with the contractor's Code no. covering all the workmen under ESI Scheme, which shall be effective from the date of start of contract and cover for the entire period of contract including extended period/defect liability period, if any.
  - a(ii) **Insurance policy for payment of exgratia amount of Rs.5,00,000/- (Rupees Five lakhs only) per head in case of fatal accidents while on duty, to the contract labour engaged by him in addition to the coverage under ESI Scheme / Workmen Compensation Insurance Policy whichever is applicable. As and when a fatal accident takes place while on duty along with the benefits under the ESI Scheme / Workmen Compensation, whichever is applicable, the contractor is required to pay the ex-gratia amount within 30 (Thirty) days from the date of accident to the legal heir of the deceased. In case of any delay in paying the ex-gratia amount as above, the Employer has the right to pay such amount directly to the legal heir of the deceased and recover the same from the contractor's running / future bills.** This insurance policy is to be taken by the contractor over and above the provisions specified under Clause No. 6.13 (Third Party) and 6.14 (ESI Act) of the General Conditions of Contract.
  - a(iii) **Copy of the policy for third party insurance** as stipulated in Clause 6.13 of the GCC.
  - b) Labour License obtained from Asst. 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 Pre-final/Final Bills clearance.
8. The contractor shall ensure strict compliance with provisions of the Employee's Provident Fund Act, 1952 and the scheme framed there under in so far as they are applicable to their establishment and agencies engaged by them. The contractor is also required to indemnify the employer against any loss or claim or penalties or damages whatsoever resulting out of non- compliance on the part of the contractor with the provisions of aforesaid act and the schemes framed there under. A copy of the provident fund membership certificate/PF CODE number shall be submitted by the contractor.
9. The contractor shall follow the provisions of Indian Factories Act and all rules made there under from time to time as applicable and shall indemnify the employer against all claims of compensations under the provisions of the act in respect of workmen employed by the contractor in carrying out the work against all costs, expenses and penalties that may be incurred by the employer in connection therewith.
10.
  - a) Total amount quoted shall be inclusive of all taxes, levies, duties, royalties, overheads and the like **but excluding service tax** prevailing as on the date of submission of bids.
  - b) During the operation of the contract if any new taxes/duties/levies etc are imposed or rates undergo changes, as notified by the Government and become applicable to the subject works, the same shall be reimbursed by VSP on production of documentary evidence in respect of the payment of the same. Similarly benefits accruing to agency on account of withdrawal/reduction in any existing taxes and duties shall be passed on to VSP.

Signature of Tenderer

- c) The benefit offered by the agency (other than Service Tax) will be deducted from each bill on the offered percentage basis. Amount so recovered shall be released, limiting to the percentage of benefit offered on the quoted price, only on receipt of credit by VSP.
- d) The prices are exclusive of Service Tax. RINL-VSP will pay Service Tax as applicable on submission of Invoices in accordance with Rule 4A (1) of Service Tax Rules 1994.
- The contractor will be paid Service Tax by RINL-VSP along with monthly service charge bills for further deposit with Central Excise Authorities. The contractor will, in turn, submit the documentary evidence in support of payment of Service Tax of each month along with subsequent month RA Bills.
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 acceptance.
15. **RETENTION MONEY:** Retention Money for contracts up to a value of Rs. 100 lakhs, at the rate of 7.5% of the bills for works with defective liability period *not NIL* and at the rate of 5.0% for works with defective liability period *"NIL"* will be deducted from each bill until this amount together with the Initial Security Deposit reach the limit of retention which is 7.5% or 5.0% as the case may be for the value of work. The Retention Money shall be released after the satisfactory completion of defect liability period after liquidating the defects. For contracts of value above Rs.100 Lakhs, the limit of retention money shall be Rs.7.5 lakhs plus 5% of the value exceeding Rs.100 lakhs.
16. **Security Deposit: The Public Sector Enterprises or State/Central Government Undertakings/ Micro & Small Enterprises (MSEs) listed with NSIC will not be required to submit Security Deposit, but however they shall submit "Performance Guarantee Bond" in lieu of Security Deposit in the prescribed proforma equivalent to the value of Security Deposit covering the period of contract + defect liability period + 6 months (Claim period).**
17. Recovery of income tax at source will be made from contractor's bill and deposited with Income Tax Department as per rules. Recovery of sales tax applicable shall be made from the contractor's bills.
18. **SAFETY:**
- The contractor and his workers must strictly take all safety precautions and shall supply to his workers dependable safety appliances like hand gloves, safety boots, safety belt, safety helmets, duster cloth, dust mask/nostril filter etc. In addition to this, contractor shall also provide additional safety appliances as per requirement and follow safe working practices like using fully insulated electrode holders etc. He shall also ensure that his workmen intelligently use only dependable safety appliances supplied to them.
  - The contractor shall take adequate safety precaution to prevent accidents at site. The contractor shall also ensure that his employees observe the statutory safety rules and regulations and also those laid down by the employer from time to time and promptly submit report of accident and state the measures taken by him to prevent their recurrence and also keep the employer indemnified of all claims arising out of such accidents.
  - No Workmen shall be engaged on the work without proper safety induction and without using required PPE. Use of safety helmet and shoe is must excepting in painting works where shoe will not be used.
  - All the safety appliances required for safe working as decided by SED/Contract operating deptment shall be provided by the contractor to his workmen.
  - Clearance to start the job will be obtained by the contractor in form 'A&B' before start of work. The forms may be obtained from the dept. concerned.
  - Works at height cannot be started without clearance from Engineer-In-charge/ Zonal Safety Officer. The workers engaged for work at height shall possess height pass from SED where ever applicable. The names of workmen working at height or in hazardous areas will be written on the body of form "B".
  - Contravention of any safety regulation of VSP in vogue from time to time will result into work stoppage, levying penalties and ultimately in contract termination. The list of safety violations category wise are as follows:

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Category	Safety violati <sup>o</sup> s	Fine
I	<ol style="list-style-type: none"> <li>1. Occasional violation of not wearing crash helmet</li> <li>2. Driver of two wheeler carrying more than one pinion rider</li> <li>3. Wrong parking of vehicle</li> </ol>	<p>First offence: Rs.100/- Second or subsequent offences: Rs.300/-</p> <p>First offence: Rs.100/- Second or subsequent offences: Rs.300/-</p> <p>First offence: Rs.100/- Second or subsequent offences: Rs.300/-</p>
II	<p><b><u>MINOR VIOLATIONS</u></b></p> <ol style="list-style-type: none"> <li>1. Working at height without height pass.</li> <li>2. Unauthorized entry at hazardous location.</li> <li>3. Engaging workers without safety training</li> <li>4. Proper ladder/steps not provided for working.</li> <li>5. Failure to provide proper shuttering at excavation works.</li> <li>6. Power connection taken from board without proper board plug.</li> <li>7. Fitness certificate of cranes/hydra/heavy vehicles not available.</li> <li>8. Crane rope conditions not OK.</li> <li>9. Not wearing safety helmet / safety shoe at site.</li> <li>10. Safety goggles/Hand gloves not used.</li> <li>11. Gas cutting without goggle.</li> <li>12. Rolling/lifting of cylinder/dragging on the ground (without cage)</li> <li>13. Welding with non standard holder.</li> <li>14. Welding machine earthing not done (double body earthing)</li> <li>15. Gas hose pipe clamping done by wires.</li> <li>16. LPG Cylinder date expire / over.</li> <li>17. Loading/unloading of cylinder – cushion not given.</li> <li>18. Condition of hose pipe not good.</li> <li>19. Working with leaking cylinder.</li> <li>20. Using non power cable instead of welding cable.</li> <li>21. Working without work permit / shut down.</li> <li>22. Not putting red flags / stoppers.</li> <li>23. Dismantling of structure without authorized plan.</li> <li>24. Unauthorized Oxygen/Nitrogen tapping.</li> <li>25. Not having proper gate passes / other area passes.</li> <li>26. Use of damaged slings / tools / ropes.</li> <li>27. Use of hand grinders / mixer machines without guard.</li> <li>28. Not reporting of accident.</li> <li>29. Taking shelter behind electrical panel.</li> <li>30. Driving of heavy vehicles on the main road during restricted hour.</li> <li>31. Truck side panel / broken not OK.</li> <li>32. Dropping / Spillage of material on the road.</li> <li>33. No number plate on vehicle.</li> <li>34. No indicator light / brake light on vehicles.</li> <li>35. Driving dangerously.</li> <li>36. Overloading of the vehicles beyond CC weight.</li> <li>37. Racing and trials of speed, overtaking heavy vehicles.</li> <li>38. Moving vehicles in unauthorized restricted routes.</li> <li>39. Talking with cell phone while driving.</li> <li>40. Truck carrying powdery material without tarpaulin.</li> <li>41. Vehicles without red flags / red lights, side guards &amp; tonnage.</li> <li>42. Stock protruding out of the truck body.</li> </ol>	<p>First violation: Rs.2500/-</p> <p>Second time violation: Rs.10,000/-</p> <p>Third time repeated violation: Rs.20,000/-</p> <p>First violation: Rs.2500/-</p> <p>Second time violation: Rs.10,000/-</p> <p>Third time repeated violation: Rs.20,000/-</p>

Contd....

Category	Safety violations	Fine
III.	<p><b>MAJOR VIOLATIONS:</b></p> <ol style="list-style-type: none"> <li>1. Using bamboo or other non standard material for scaffolding.</li> <li>2. Railing not given at platforms or opening of floor.</li> <li>3. Scaffolding planks not tied properly.</li> <li>4. Throwing / dropping of material from height.</li> <li>5. Proper ladder / approach not given for working at height.</li> <li>6. Walkway / cross over path not provided.</li> <li>7. No barricading of excavated pits.</li> <li>8. No top cover on power distribution board.</li> <li>9. Sleeping under truck.</li> <li>10. Absence of Supervisor at height works, confined space jobs and other hazardous jobs.</li> <li>11. Welding screen / face shield, welder gloves not used.</li> <li>12. Driving vehicles without valid driving license.</li> <li>13. Driving by a drunken person.</li> </ol>	<p>Rs.7,500/- for 1<sup>st</sup> violation, 2<sup>nd</sup> and subsequent violations Rs.15,000/-.</p>
IV.	<p><b>HIGH RISK VIOLATIONS:</b></p> <ol style="list-style-type: none"> <li>1. Failure to use full body harness with double lanyard.</li> <li>2. Life line of full body harness not anchored.</li> <li>3. Floor opening left unguarded in the area of work.</li> <li>4. Working at roof without daily permit.</li> <li>5. Working in confined space without confined space work permit.</li> <li>6. Violation of electrical shut down / PTW.</li> <li>7. Violation of HOT work permit system.</li> </ol>	<p>Rs.15,000/-</p>
V.	<ol style="list-style-type: none"> <li>1. Serious injuries and permanent disabilities.</li> <li>2. Fatal accident cases</li> </ol>	<p>Rs.1,00,000/- or 2.5% of contract value whichever is less.</p> <p>Rs.2,00,000/- or 10% of contract value whichever is less.</p>

(1) The above penalties related to the accidents mentioned at Category (V) will be imposed on agency in case the reasons to the accidents are attributable to the agency.

(2) Independent of the above, the contractor shall be debarred or deregistered from taking up further contractual work in VSP in case any repeated fatal accident after 3<sup>rd</sup> incident for the reasons attributable to contractor.

Note: The penalties mentioned above are in addition to those which are applicable as per the Statutory Acts & Rules. In case of any imposed penalty by any statutory authority, the same shall be over and above the contractual clauses).

(3) Without prejudice to the right conferred for stoppage of work for violation of safety rules, the contractor shall be liable for penalty at the rates indicated above depending upon the category of violation.

(4) Operating authority will assess the penalty amount having regard to all the circumstances in particular in nature and gravity of the violation on the advice of Head of the Safety Engineering Department and will issue a show cause notice specifying therein the proposed penalty. Considering the cause shown by the contractor, if any, the operating authority shall pass final orders which shall then be binding on the contractor. The penalty amount shall be recoverable from any bill and / or EMD / Security Deposit of the contractor without any further reference to him.

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

## 19. SHUTDOWNS:

A) Necessary shutdowns will be arranged by VSP to the contractor for carrying out the work based on requirement. No claims on account of delayed/prolonged shutdown will be entertained.

B) The works assigned to the contractor by the Engineer from time to time shall be completed within the time schedule fixed by the Engineer in each case, within the approved shut down period.

## 20. LABOUR DEPLOYMENT:

A. The contractor shall deploy his labour as per requirement and as instructed by the Engineer. It may be necessary to carryout the work round the clock based on requirement and shutdown provided. The contractor's rate shall cover such eventualities.

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- 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 contact the Engineer-in-charge for this purpose.**
- D. The Contractor shall engage contract workers(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 contractor's 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 LOA/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 Acceptance /Letter of Acceptance/ 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.
  - e. 10 days for other works
- 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 of 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. **The following escalation formulae shall be used depending on requirement and the total percentage escalation shall be restricted to 85% except in case of manday contracts.**

(a) PRICE VARIATION DUE TO CHANGE IN LABOUR WAGES

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

Where:

- V= Escalation payable  
L= Labour Content during billing period  
W= Gross value of work done on the basis of contract rates for the period for which variation is applicable  
X= Revised Weighted average of RINL/VSP approved rates (for Unskilled, Semi skilled and Skilled categories of Workers) based on the Minimum Wages notified by ALC (Central), Hyderabad, for the period under consideration for that contract as per present man-day's of different categories for the billing period.  
X<sub>0</sub>= Existing (on the basis which tender estimate prepared) Weighted Average of VSP approved Rates (for Unskilled, Semi skilled and Skilled categories of Workers and which is based on the Minimum wages notified by Commissioner of Labour, Govt. of Andhra Pradesh, Hyderabad) for that contract as per present man-day's of different categories for the billing period.

The method of calculating X, X<sub>0</sub> & L:

$$\begin{aligned} X &= (a \cdot \text{USR} + b \cdot \text{SSR} + c \cdot \text{SKR}) / (a + b + c) \\ X_0 &= (a \cdot \text{USR}_0 + b \cdot \text{SSR}_0 + c \cdot \text{SKR}_0) / (a + b + c) \\ L &= (a \cdot \text{USR}_0 + b \cdot \text{SSR}_0 + c \cdot \text{SKR}_0) / W \end{aligned}$$

Where

- a = Mandays present by USW during the billing period  
b = Mandays present by SSW during the billing period  
c = Mandays 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  
USR<sub>0</sub> = VSP approved Rate for USW based on which the Estimate of work was prepared  
SSR<sub>0</sub> = VSP approved Rate for SSW based on which the Estimate of work was prepared  
SKR<sub>0</sub> = VSP approved Rate for SKW based on which the Estimate of work was prepared

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

**Note:**

The estimate of this tender is based on the RINL/VSP approved wage rates, as on **01.10.2015**, consequent to the minimum wage of contract worker as notified by the Regional Labour Commissioner (Central), Hyderabad, which is given below. In case revision in the minimum wages of contract labour takes place, escalation due to this shall be payable to the contractor as per the above escalation formula.

	Unskilled worker	Semiskilled Worker	Skilled Worker
RINL/VSP approved rate (in Rs.)	485=75	546=05	634=15
Minimum wages as notified by the RLC (Central), Hyderabad (in Rs.)	294=00	333=00	390=00

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(b) PRICE VARIATION DUE TO CHANGE IN POL PRICES (*not applicable*)

Price variation due to change in POL prices shall be applicable as per formula given below:

$$V = \frac{P \times W \times (R-R_0)}{R_0}$$

Where:

V	=	Escalation or de-escalation payable or deductible
P	=	POL Content during billing period
W	=	Gross value of work done at the Contract Rates for the period for which variation is applicable
R	=	Revised rate of High Speed Diesel Oil per litre as fixed by IOC applicable for the area of site of work for the period under considerations.
R <sub>0</sub>	=	Rate of High Speed Diesel Oil per litre as fixed by IOC applicable for the area of site of work on the base date (i.e., the date of opening of Envelope-I containing Pre Qualification Criteria, EMD etc..)

CLARIFICATION:

- In case of revision of rates of High Speed Diesel Oil with effect from any date in a month, say November, 2005, the work done with effect from the first day of subsequent month (i.e., 1<sup>st</sup> December, 2005) only will qualify for price variation as per the above formula.
- In case of more than one revision in the rate of High Speed Diesel Oil, in a month, the latest revision in the rates shall be considered for payment of escalation.

(c) PRICE VARIATION DUE TO CHANGE IN PRICE OF MATERIALS (*not applicable*)

Price variation due to change in price of Materials shall be applicable as per formula given below:

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

Where:

V	=	Escalation or de-escalation payable or deductible
M	=	Material content during billing period
W	=	Gross value of work done at the Contract Rates for the period for which variation is applicable
X	=	RBI Index No. of all commodity whole-sale price Index (Average of month) for the period under consideration.
X <sub>0</sub>	=	RBI Index No. of all commodity whole-sale price Index as on the base date (i.e., the date of opening of Envelope-I containing Pre Qualification Criteria, EMD etc..)

CLARIFICATION:

In case of revision of rates of materials with effect from any date in a month, say November, 2005, the work done with effect from the first day of subsequent month (i.e., 1<sup>st</sup> December, 2005) only will qualify for price variation as per the above formula.

- (d) Composite/Total Escalation = Sum of %age contents towards Labour, Material, POL & Bitumen Escalation wherever applicable shall be restricted to 85% except in case of manday contracts

37. **PAYMENT OF MINIMUM WAGES:** *Wages paid to the workmen by the contractor should not be less than the rates notified by the Regional Labour Commissioner (Central), Hyderabad, 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 7<sup>th</sup> of the subsequent month. If 7<sup>th</sup> falls on a holiday or weekly off day, the payment should be made one day prior to that. Payment of PF for the month, both the employer's (in this case contractor) and employee's (in this case workmen employed by the contractor) contributions should be deposited in the bank in the permanent PF code number and challan obtained before the 15<sup>th</sup> of the subsequent month and forwarded to the Engineer". In case of failure of the contractor to comply with any of the above, the following action will be taken by VSP.*

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

### 38. Special Miscellaneous Allowance (SMA) and Additional Special Miscellaneous Allowance (ASMA)

38.1 The contractor shall have to pay ASMA (Additional Special Miscellaneous Allowance) @ Rs.42.30ps per day of actual attendance of each worker in the contract not exceeding Rs.1100/- 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 towards payment made on this account separately along with the RA Bill.

38.2 The contractor shall also have to pay SMA (Special Miscellaneous Allowance) @ Rs.38.46ps per day of actual attendance of each worker deployed in the contract not exceeding Rs.1000/- per month to the contract labour who is already in receipt of SMA @ Rs.1000/- per month in accordance with the prevailing practice in RINL. Further, the said SMA amount will be payable to all the contract labour deployed in contract with effect from 01.07.2015. This will be in addition to the wages as indicated under the minimum wages clause of Special Conditions of Contract. The contractor will submit his claim with proof of such payment separately along with the RA Bill and same will be reimbursed/paid to him.

38.3 It may be noted that the payment of SMA is towards the expenditure incurred by the contract labour on Washing allowance, Food/Milk/Tiffin allowance, Coconut water allowance, etc. Similarly, payment of ASMA is towards the expenditure incurred on Fuel charge and Food/Milk/Tiffin allowance/Coconut water allowance,

38.4 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.

38.5 As regards applicability of payment of ASMA/SMA, the contractor may refer NIT/Terms & Conditions of the contract in this regard.

39. 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.

40. 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.

41. 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).

42. 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:

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S.No	Component	Recovery amount per labour per every WORKING DAY (in Rs.)			To be released when
		UN-SKILLED	SEMI-SKILLED	SKILLED	
01	Notice pay	Rs.25.23ps	Rs.28.57ps	Rs.33.47ps	After the Contractor makes payment to the workmen in the presence of <b>Engineer I/C and CLC representatives</b> , a certificate to this effect is to be enclosed with pre-final bill. ( <i>to be paid with pre-final bill</i> )
02	Retrenchment compensation	Rs. 12.61ps	Rs.14.29ps	Rs.16.73ps	
03	Leave with wages	Rs.15.52ps	Rs.17.58ps	Rs.20.59ps	
<b>Sub-total</b>		<b>Rs.53.36ps</b>	<b>Rs.60.44ps</b>	<b>Rs.70.79ps</b>	
04	Bonus	Rs.11.55ps	Rs.11.55ps	Rs.11.55ps	After the Contractor makes payment to the workmen in the presence of <b>Engineer I/C and CLC representatives</b> , a certificate to this effect is to be enclosed with RA bill / pre-final bill. ( <i>to be paid with RA bill / pre-final bill as and when paid by the Contractor</i> )
<b>Grand total</b>		<b>Rs.64.91ps</b>	<b>Rs.71.99ps</b>	<b>Rs.82.34ps</b>	
<b>10% towards profit and overheads of Contractor</b>		<b>Rs.06.49ps</b>	<b>Rs.07.20ps</b>	<b>Rs.08.23ps</b>	
<b>Total recovery amount</b>		<b>Rs.71.40ps</b>	<b>Rs.79.19ps</b>	<b>Rs.90.57ps</b>	

**Note:**

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

**43. PAYMENT MODE FOR BILL AMOUNTS:**

43.1 Following are the options available to the Contractors for availing e-payments.

43.1.1 **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.

43.1.2 **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        |

43.2 The Successful tenderer shall agree that all the payment due and payable in terms of the contract will be paid direct to his bank account and he shall give the bank account number and the address of the Bank in which the money is to be deposited" as per the format given below:

- (1) Party Code :  
(2) Option : RTGS / EFT

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

(Signature of the Party / Contractor)

Name:

Desgn:

#### CERTIFICATE

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

Sd/-.....

(Signature of Branch Manager)

Name :

Seal of Bank :

- 43.3 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.
- 43.4. 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".
- 43.5 *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.*
- 44.0 The Contractor shall abide by the following Environment, Safety and Health policy of VSP:
  - a. The Contractor must adhere to all the applicable statutory laws pertaining to safety, health and environment.
  - b. The Contractor must ensure that there is no wastage of water at the work site. The Contractor must also ensure that all the water tapping points are leak proof.
  - c. All the motor vehicles of the Contractor used for transporting materials/ machinery etc. should have pollution control certificates and the same should be submitted at the time of obtaining gate passes. A copy of the same must be exhibited/ pasted on the vehicle also.
  - d. The Contractor must ensure dust suppression measures in the work areas by sprinkling of water etc. and also ensure that all his workers use dust masks while working in dusty areas.
  - e. The Contractor must ensure proper housekeeping at site by keeping the work areas free from unwanted material, grease and oil to avoid slips & falls.

Signature of Tenderer

- f. The Contractor must ensure that all the debris generated during the work is transported safely to dump yard such that there is no spillage of debris on the road during transportation (by covering with a plastic sheet/tarpaulin)
- g. All the garbage collected from dust bins etc. should be transported in covered vehicles.
- h. All the material which may be recycled/ reused should be transported to the designated place for reuse/ recycling.***
- i. All the cut jungle growth and trees should be disposed at the dumping yard without open air burning.
- j. Heating/ melting of bitumen must be done in boilers only. Heating/ melting of bitumen in open drums/containers is prohibited.
- k. The Contractor must ensure that there is no spillage of oil or paints on the floor / ground etc.
- l. All representatives/supervisors/workers of contractors must take safety and environmental induction training and comply with the instructions given there in.

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**BILL OF QUANTITIES****FOR****"REPAIR AND MAINTENANCE OF STEEL STRUCTURAL ITEMS, ROLLING SHUTTERS AND MISCELLANEOUS FABRICATION, ERECTION WORKS IN VSP TOWNSHIP AND OPA - 2016 TO 19"**

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>	<b>Amount</b>
<b>PART - A:</b>					
1	Removing the hood/covers for all sizes of rolling shutters and inspecting springs, bearings, shaft, side guides etc., and greasing all the parts after necessary adjustment and tensioning of old springs for free operation and maintenance of rolling shutters and refixing the hood/cover in position where ever necessary including cost of greases, oils etc., including all materials, tools, tackles, labour plant and equipment etc, complete as per specifications and/ or as directed by the Engineer.				
	a) Pull and push type	Each	20	240.46	4809.20
(Rupees Two hundred Forty and Paise Forty Six Only)					
2	Removing the rolling shutters and inspecting springs, bearings, shaft, side guides etc., and releasing the tension in the springs. facilitating repair/ replacement of new parts (cost of new parts and fixing charges will be paid under the relevant items) and tensioning the spings for free movement/ maintenance of shutter including greasing all the parts and refixing the rolling shutter in position including cost of greases, oils etc., including all materials, necessary scaffoldings tools, tackles, labour etc, complete as per specifications and/ or as directed by the Engineer.				
	a) Pull and push type	Each	20	1151.55	23031.00
(Rupees One thousand One hundred Fifty One and Paise Fifty Five Only)					
3	Removing old spings, supplying and fixing new springs (4.00 to 4.500 kgs and similar to old ones) for rolling shutters with necessary bolts and nuts including cost of greases, oils, materials, necessary scaffoldings tools, tackles, labour plant and equipment etc., complete as per specifications and/or as directed by the Engineer.	Each	20	508.03	10160.60
(Rupees Five hundred Eight and Paise Three Only)					
4	Removing old bearings, supplying and fixing newly reconditioned bearings (similar to old ones) for rolling shutters including necessary bushes including cost of greases, oils, materials, necessary scaffoldings, tools, tackles, labour plant and equipment etc., complete as per specifications and/or as directed by the Engineer.				

	a) For 40mm dia shaft	Each	30	338.70	10161.00
	(Rupees Three hundred Thirty Eight and Paise Seventy Only)				
5	Removing old shaft, supplying and fixing new shaft made of medium grade MS pipe (similar to old ones) including drilling holes, welding, assembling, replacement etc., for rolling shutters including cost of all materials, labour, cost of greases, oils, materials, necessary scaffoldings tools, tackles, plant and equipment etc., including applying two coats of Red-oxide primer, complete as per specifications and or as directed by the Engineer.				
	a) 40mm dia	RM	15	414.90	6223.50
	(Rupees Four hundred Fourteen and Paise Ninety Only)				
6	Removing old brackets supplying and fixing new bracket plates (similar to old ones) for rolling shutters including cost of necessary chipping for removing, grouting with concrete of 1:2:4 grade for fixing and including cost of all materials, labour, scaffoldings, tools, tackles, plant and equipment etc., including applying two coats of Red-oxide primer complete as per specifications and/or as directed by the Engineer.	Set	5	254.01	1270.05
	(Rupees Two hundred Fifty Four and Paise One Only)				
7	Removing, old handles/ stoppers/locking cleats, supplying and fixing the new handles/ stoppers/locking cleats (similar to old ones) applying one coat of Red-oxide and one coat of synthetic enamel paint of near matching shade, including cost of all materials, tools, tackles, labour, plant and equipment etc., complete as per specifications and /or as directed by the Engineer.	Each	5	50.79	253.95
	(Rupees Fifty and Paise Seventy Nine Only)				
8	Removing the latches of rolling shutters (up to 6.5 mts width) leveling the latches free from bends, kinks, and straightening for free movement and refixing to form the shutter, including cost of all materials, labour, tools, tackles, plant and equipment, oils, greases etc., complete as per specifications and /or as directed by the Engineer.	Each latch	300	54.17	16251.00
	(Rupees Fifty Four and Paise Seventeen Only)				
9	Replacing the latches of rolling shutters by removing the old damaged latches from shutter, supplying and fixing of 80mm wide, 1.22mm thick new MS latches and inter locked together to form the shutter applying one coat of Red-oxide primer and one coat of synthetic enamel paint of near matching shade including cost of all materials, labour, tools, tackles, plant and equipment, oils, greases etc., complete as per specifications drawings, and /or as directed by the Engineer.	RM	10	152.39	1523.90

	(Rupees One hundred Fifty Two and Paise Thirty Nine Only)				
10	Removing old clips from rolling shutters, supplying and fixing of new shutter clips (similar to old ones) by drilling, reventing etc., including cost of all materials, labour, tools, tackles, plant and equipment etc., complete as per specifications and /or as directed by the Engineer.	Each	5	10.16	50.80
	(Rupees Ten and Paise Sixteen Only)				
11	Repair of bottom plate and angle of rolling shutters by straightening, leveling and welding of cracked bottom plate wherever necessary including removing and refixing bottom plate consists of angle, handles, locking cleats, lock arrangement including cost of all materials, labour, tools, tackles, plant and equipment etc., complete as per specifications and /or as directed by the Engineer.	Each	5	381.01	1905.05
	(Rupees Three hundred Eighty One and Paise One Only)				
12	Supplying and fixing new bottom plate and angle for rolling shutters (similar to old one) including removing of old one and refixing the new bottom plate assembly consists of angle, handles, locking cleats, lock arrangements for the shutter, applying one coat of Red-oxide primer and one coat of synthetic enamel paint of near matching shade and including cost of all materials, labour, tools, tackles, plant and equipment etc., complete as per specifications and /or as directed by the Engineer.	RM	5	270.94	1354.70
	(Rupees Two hundred Seventy and Paise Ninety Four Only)				
13	Removing the old guide, of rolling shutters supplying and fixing of new guides (similar to old ones) including cost of chipping for removing the old guides, grouting with concrete of grade 1:2:4 for fixing new guide including cost of all materials, tools, tackles, labour, plantand equipment etc, complete as per specifications and/or as directed by the Engineer.	RM	5	237.08	1185.40
	(Rupees Two hundred Thirty Seven and Paise Eight Only)				
14	Removing, straightening and refixing of guides for rolling shutters wherever bent/deformed etc., including cost of chipping for removing, grouting with concrete of grade 1:2:4 for fixing including cost of all materials, tools, tackles, labour, plantand equipment etc, complete as per specifications and/or as directed by the Engineer.	RM	5	33.86	169.30
	(Rupees Thirty Three and Paise Eighty Six Only)				

15	Making the book type shutters including collapsible gates movement free enabling proper closing and opening of the shutter by applying greasing/oiling removing obstructions around the shutter and collapsible gates without providing any new parts and where no bends and kinks need to be rectified including cost of all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Sq.m	5	101.59	507.95
(Rupees One hundred One and Paise Fifty Nine Only)					
16	Rectification of book type shutters with collapsible gates by removing the kinks, bends etc., straightening, leveling and welding of the cracked/broken book leaves, guides etc. facilitating replacement of new parts wherever necessary (cost of new parts and fixing charges will be paid under the relevant item) including greasing, oiling, removing and refixing of book type shutter with collapsible gates including cost of all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Sq.m	200	118.54	23708.00
(Rupees One hundred Eighteen and Paise Fifty Four Only)					
17	a) Supplying and fixing V-groove rollers (same as old ones) for book type shutters with collapsible gates including all materials, tools, tackles, labour greases/oils etc., complete as per specifications and/or as directed by the Engineer.	Each	50	135.46	6773.00
(Rupees One hundred Thirty Five and Paise Forty Six Only)					
	b) Supplying and fixing V-Channels (similar to old ones) for book type shutters with collapsible gates including all materials, tools, tackles, labour greases/oils etc., complete as per specifications and/or as directed by the Engineer.	RM	10	101.59	1015.90
(Rupees One hundred One and Paise Fifty Nine Only)					
	c) Supplying and fixing Rivets (similar to old ones) for book type shutters with collapsible gates including all materials, tools, tackles, labour greases/oils etc., complete as per specifications and/or as directed by the Engineer.	Each joint	50	16.93	846.50
(Rupees Sixteen and Paise Ninety Three Only)					
	d) Supplying and fixing book leaves (similar to old ones) for book type shutters with collapsible gates including all materials, tools, tackles, labour greases/oils etc., complete as per specifications and/or as directed by the Engineer.	Sq.m	5	635.02	3175.10
(Rupees Six hundred Thirty Five and Paise Two Only)					

18	Supplying and fixing of 50/75/100/125mm long MS hinges for doors, windows water tank covers etc., at all levels by Arc/Gas welding including gas cutting, grinding wherever necessary and after welding, painting with one coat of Red-oxide and one coat of enamel paint of near matching shade, including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Each	4000	108.88	435520.00
(Rupees One hundred Eight and Paise Eighty Eight Only)					
19	Repairing of existing hinges at door, window louver stopper water tank covers etc, including frames and fixing in position at all levels by Arc/Gas welding including gas cutting, grinding wherever necessary and after welding, painting with one coat of Red-oxide and one coat of enamel paint of near matching shade, including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Each Hinge	10	32.85	328.50
(Rupees Thirty Two and Paise Eighty Five Only)					
20	Supplying and fixing of 100/125/150mm long Hook and Eyes at all levels by Arc/Gas welding including gas cutting, grinding etc., wherever necessary and painting with one coat of Red-oxide and one coat of synthetic enamel painting of near matching existing shade including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Each	100	47.40	4740.00
(Rupees Forty Seven and Paise Forty Only)					
21	Supplying and fixing of MS aldrops by Arc/Gas welding including gas cutting, grinding etc., wherever required etc., at all levels, painting with one coat of Red-oxide and one coat of synthetic enamel painting of near matching existing shade including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.				
	a) 300 mm X 16mm	Set	50	203.22	10161.00
(Rupees Two hundred Three and Paise Twenty Two Only)					
22	Supplying and fixing of MS female hooks for aldrops/tower bolts for all types of gates, doors, windows by Arc/Gas welding including gas cutting, grinding etc., including applying one coat of Red-oxide paint and one coat of near matching synthetic enamel painting of near matching existing shade including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Each	50	42.33	2116.50
(Rupees Forty Two and Paise Thirty Three Only)					

23	Repair to all types of gates, play equipments, hand rails, window grills, two-leaf doors, water tank covers, cross bars of check posts, scooter shed gates etc., by Arc/Gas welding including gas cutting, grinding etc., wherever necessary at all levels and with one of Red-oxide and one coat of near matching Enamel paint including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.				
	a) This item is applicable only for the particular job(i.e For each window/door/gate etc.) involving addition of up to 2 kg steel including cost of GI/MS steel	JOB	2700	237.08	640116.00
(Rupees Two hundred Thirty Seven and Paise Eight Only)					
	b) This item is applicable only for the particular job(i.e For each window/door/gate etc.) involving addition of up to 4 kg steel including cost of GI/MS steel	JOB	100	282.45	28245.00
(Rupees Two hundred Eighty Two and Paise Forty Five Only)					
24	Providing, fabricating and erecting in position at required locations structural steel members like ladders, all types of gates, play equipments, hand rails, window grills, two leaf doors, water tank covers, gravity check post cross bars, pinjara (cage) for rolling shutters, sub station doors, locking arrangements for water tank covers, hinges set to all types of gates, etc., with MS sections (same as old ones) or otherwise repairing by welding, gas cutting, grinding and riveting wherever necessary and with all types of structural/tubular steel and applying with one coat of Red-oxide after erecting and two coats of synthetic enamel paint of approved brand and shade including chipping and grouting with concrete of 1:2:4 grade as required at all levels and including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications, drawings, and/or as directed by the Engineer.				
	a) With MS structural/tubular steel including cost of steel	Kgs	45000	93.15	4191750.00
(Rupees Ninety Three and Paise Fifteen Only)					
	b) With GI structural/ tubular steel including cost of steel	Kgs	5000	101.59	507950.00
(Rupees One hundred One and Paise Fifty Nine Only)					
	c) With MS/GI structural/ tubular steel issued free of cost by VSP.	Kgs.	10000	33.86	338600.00
(Rupees Thirty Three and Paise Eighty Six Only)					

25	Providing corrugated G S sheet (1mm thick with zinc coating not less than 275gm/sq.m) roofing fixed with GI, J or L hooks, bolts and nuts of 8mm diameter with bitumen and GI limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint as over laying of sheets complete (up to a pitch of 60 degrees) excluding the cost of pulings, rafter and trusses at all levels and including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications, drawings, and/or as directed by the Engineer.	Sq.m	10	762.04	7620.40
(Rupees Seven hundred Sixty Two and Paise Four Only)					
26	Providing and fixing 6mm thick AC corrugated sheet roofing fixed with GI hooks, bolts, nuts plain and bitumens washers including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications, drawings, and/or as directed by the Engineer.	Sq.m	50	304.81	15240.50
(Rupees Three hundred Four and Paise Eighty One Only)					
27	Painting with one coat of Red-oxide primer of approved brand and manufacture including scrapping and cleaning etc., as required at all levels including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Sq.m	500	11.05	5525.00
(Rupees Eleven and Paise Five Only)					
28	Painting with synthetic enamel paint oif approved brand and manufacture and of required shade to give even finish at all levels including scraping wherever required and clening including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.				
	a) One or more coats on old/new work.	Sq.m	2000	14.94	29880.00
(Rupees Fourteen and Paise Ninety Four Only)					
	b) Two or more coats on old/new work.	Sq.m	6000	21.47	128820.00
(Rupees Twenty One and Paise Forty Seven Only)					
29	Base painting, letter writing and figures writing with synthetic enamel paint of approved brand and of different shade for base, letters and figures as required including scraping and removing the old writings including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Per letter/per figure/ CM height	145000	2.24	324800.00
	(Base painting will not be considered for payment.)	(Rupees Two and Paise Twenty Four Only)			

30	Letter writing and figures writing with synthetic enamel paint of approved brand and of different shades for letters and figures as required on already base painted boards including all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.	Per letter/per figure/ CM height	300000	2.12	636000.00
(Rupees Two and Paise Twelve Only)					
31	Painting to following existing children equipment with two or more coats of synthetic enamel paint in band over a coat of primer including necessary scraping, cleaning as required with all materials, tools, tackles, labour, plant and equipment etc, complete as per specifications and/or as directed by the Engineer.				
	a) Sea-saw/ swings etc.,	Each	100	220.70	22070.00
(Rupees Two hundred Twenty and Paise Seventy Only)					
	b) Merry go round/ slides/ Gingle gym/caves ladder/ half globe ladder etc.,	Each	100	345.34	34534.00
(Rupees Three hundred Forty Five and Paise Thirty Four Only)					
	c) Rocket slide/ London bridge	Each	10	362.58	3625.80
(Rupees Three hundred Sixty Two and Paise Fifty Eight Only)					
	d) Cylindrical model slide	Each	10	451.82	4518.20
(Rupees Four hundred Fifty One and Paise Eighty Two Only)					
32	Taking delivery of fabricated structures from employers yard transporting to site carrying minor modifications, erecting and fixing in position at all heights and depths above and below plinth level in operating units all types of structures including applying one coat of Red-oxide, zinc chromate primer and two coats of synthetic enamel paint all as per drawings, specifications and directions of Engineer with all materials, tools, plant, and labour complete.	Kgs.	5000	8.45	42250.00
(Rupees Eight and Paise Forty Five Only)					
33	Taking delivery from employer stocks or any other supply points, cutting, placing fixing and stitching in position at all heights above plinth level in operating units, galvanised corrugated steel sheets/GP sheets of all gauges for roofs, monitors gable, side cladding etc., including bending and providing ridging and/or flashing with CP sheets as shown in drawings and fixing the above items with necessary galvanised steel bolts sheeting bolts lipet or diamond washers integral washers, and spare nuts (only net area laid excluding laps shall be measured) all as per drawing, specifications and directions of Engineer with all materials, labour, 5tools complete.				
	(GC/CP sheet free issue by VSP)(J/L hooks, washers, nuts to be provided by contractor at his own cost.)	Sq.m	100	169.34	16934.00

	(Rupees One hundred Sixty Nine and Paise Thirty Four Only)				
34	Taking delivery of materials from employer's stores any other supply point cutting placing and fixing in position in operating units at all heights above plinth level Asbestos cement corrugated sheets and specials such as close fitting adjustable ridges, north light curves, corner places, crown apron pieces etc., with supply and fixing galvanised steel J/L hooks bitumen washers, galvanised steel washers and nuts etc., for fixing as specified and as shown in drawing for roofs, monitors gable and side clading etc., (only net area as laid excluding laps shall be measured) with all materials tools, plant, labour, complete as per specifications and/or as directed by the Engineer.				
	(AC sheet & AC ridge free issue by VSP) (J/L hooks, washers, nuts to be provided by contractor at his own cost)	Sq.m	200	152.39	30478.00
	(Rupees One hundred Fifty Two and Paise Thirty Nine Only)				
35	Providing & laying plain cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggergate 20mm nominal size) in encasing pipes, channels, angles etc., at all levels above and below plinth level and finished smooth with 6mm thick cement plaster with CM 1:3 (1 cement: 3 fine sand) on exposed surface including necessary shuttering including all materials, labour, tools, tackles etc., complete as per specifications and /or as directed by the Engineer.				
	(plaster thickness shall be measured as part of concrete for payment)	Cum.	75	3843.49	288261.75
	(Rupees Three thousand Eight hundred Forty Three and Paise Forty Nine Only)				
36	Earth work in excavation in all types of soils, over areas foundations, trenches, drain etc., at all depths including dewatering, depositing of excavated earth within a lead of 50M including all labour, tools, tackles etc., complete as per specifications and /or as directed by the Engineer.	Cum.	150	71.63	10744.50
	(Rupees Seventy One and Paise Sixty Three Only)				
37	Supply and placing sand at required locations including un-loading, stacking as required with all materials, labour, tools, tackles etc., complete as per specifications and/or as directed by the Engineer.	Cum.	50	338.62	16931.00
	(Rupees Three hundred Thirty Eight and Paise Sixty Two Only)				



	<b>PART-B</b>				
	<b>UN-MEASURABLE JOBS</b>				
	The rates mentioned herein shall remain firm until further revision by VSP, on the basis of minimum wages act, 1936 for contract labour (the rates indicated include the wages notified in the relevant gazettee, minimum wages including weekly-off, wages, P.F contribution from contractor, Labour licence and W.C. Insurance, GPA, Safety appliances, Minimum common tools & tackles, Annual Leave with wages, Holiday wages and Retrenchment Compensation and Contractor's Profit and Overheads). Any changes made in the rates by the tenderer shall not be taken into cognizance.				
	Whenever VSP notified revision in the rates for different categories of workers, the same shall be applicable for payment from the effective date as mentioned in the circular issued by VSP.				
	Carrying out miscellaneous jobs of various trades through artisan staff and helpers along with necessary tools of the trades for working at all levels etc. complete as per specifications and/or as directed by the Engineer.				
	b) Semi-skilled	Man day	40	546.05	21842.00
	(Rupees Five hundred Forty Six and Paise Five Only)				
	(Mazdoor, gang mazdoor, thatchar mukkadam, peon, sweeper, bhisthee, scavenger, watch man, security guard)				
	c) Un-skilled	Man day	600	485.75	291450.00
	(Rupees Four hundred Eighty Five and Paise Seventy Five Only)				
	(Mazdoor, gang mazdoor, thatchar, mukkadam, peon, sweeper, bhisthee, scavenger, watchman, security guards)				
	Part-B Total			<b>Rs.</b>	<b>313292.00</b>
	<b>Grand Total (Part-A + B)</b>			<b>Rs.</b>	<b>8999012.55</b>
			OR SAY	<b>Rs.</b>	<b>90 Lakhs</b>



<b>FORM 'G'</b>
<b>TENDER NO: 1535</b>

**RASHTRIYA ISPAT NIGAM LIMITED**  
**VISAKHAPATNAM STEEL PLANT,**  
**VISAKHAPATNAM**

**PERSONNEL & ADMINISTRATION CONTRACTS DEPARTMENT**  
**QUOTE SHEET**

<b>NAME OF THE WORK:</b> Repair and maintenance of Steel Structural items, Rolling shutters and miscellaneous fabrication, erection works in VSP Township and OPA. <b>REF: OPEN TENDER NOTICE NO.</b> VSP/P&AC/TA/1535/O/2015-16, Dt. 18/01/2016
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**ABSTRACT of VSP's ESTIMATE**

Sl. No.	Description	Reference	Estimated amount (Rs.)
1.	Composite estimated value of work [Incl. all taxes and duties but excl. Service Tax]	Part-A of the BoQ (provided in the Notice inviting Tender).	Rs.86,85,720.55 [Rupees eighty six lakhs eighty five thousand seven hundred twenty and paise fifty five only].
2.	Fixed amount [Excl. Service Tax ]	Part- B of the BoQ	Rs.3,13,292/- [Rupees Three lakhs thirteen thousand two hundred ninety two only]

**Important Notes**

- Please refer Bill of Quantities (BoQ) provided with the Notice Inviting Tender for details of the estimate. For details of labour rates forming basis of the estimate, refer provisions of SCC pertaining to Price Variation due to Labour.
- The quantities given in the BoQ are indicative only and may vary to a wide extent. Payment shall be regulated based on actual quantities executed and the corresponding accepted rate.
- Tender will be evaluated based on the quote against SI. No.1 of the abstract of VSP's estimate. As such, the tenderer shall quote against SI. No.1 only. The tenderer need not quote against SI. No.2 of the abstract of VSP's estimate. Quote offered against fixed amount (SI. No.2 of abstract of VSP's estimate), if any, will not be considered for evaluation.
- Price quoted shall be inclusive of all relevant taxes and duties, but excl. Service Tax.
- Tenderer shall write their quoted amount in figures and words. The quoted amount in words shall be in CAPITAL / BLOCK letters.
- In case of discrepancy between amount quoted in **figures** and amount quoted in **words**, the amount quoted in **words** shall only prevail.

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 (Tenderer shall quote his price in the box provided below)

<b><u>QUOTED PRICE</u></b>	
TOTAL AMOUNT QUOTED against SI. No.1 (IN FIGURES): Rs. _____	
TOTAL AMOUNT QUOTED against SI. No.1 (IN WORDS) : Rupees _____	
_____ only.	

(Signature of the tenderer)