



PR NO: 73003571/MINES

RFx NO: 2600002541

RASHTRIYA ISPAT NIGAM LIMITED  
VISAKHAPATNAM STEEL PLANT  
(A Govt. of India Enterprise)  
W09 - KRISHNENDU ROY

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

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**NOTICE INVITING TENDER (NIT)**

**NIT TYPE: 2-PRT % BID E-RFX**

**VSP/1200/V7/2018/00485**

**NIT NUMBER & DATE: 2600002541 Dated 08.08.2018**

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

**1. NAME OF THE WORK:**

Annual Repairs & Day to Day Maintenance Works to Roads, Buildings, WaterSupply, Sanitary & Sewerage Lines in the township & Mines of MadharamDolomite Mines.

**2 KEY INFORMATION:**

Type of Bid	Type of Submission	EMD in INR	Submission Dead Line date & time in	Bid Opening Date & time in Hours
TWO PART BID	E BID	17500.00	25.08.2018 15:00	25.08.2018 15:30

Contract period: 12 months

Defect Liability Period : 6 months

Engineer In charge:AGM (Civil) - MDM

Estimation Amount : Rs.13,46,506.78

Welfare Allowance is applicable to this work. ,,

**3 OFFER VALIDITY DATE:**

Your offer should be valid upto 24.12.2018.

**4 CURRENCY:**

INR.

**5 ELIGIBILITY/EXPERIENCE CRITERIA :**

Single Similar Work Order Value in INR	Annual Turnover in INR
673253.24 [ 6.73 Lakh]	403951.94 4.03 Lakh]

Agencies having experience in # Miscellaneous Civil Construction/Maintenance Works# will only be considered.

Please see the Annexure attached to NIT.

**6. NATURE & SCOPE OF WORK:**

Miscellaneous Civil Maintenance Works.

**7 ITEM DETAILS/BOQ:**

AS PER ATTACHMENT IN C-FOLDER.

**8 LIST OF TENDER DOCUMENTS:**

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

- 1) Tender schedule containing NIT, PQC Requirement (Annexure to NIT), Additional Special Conditions, Preamble to BOQ, Bill of Quantities, Special Conditions of Contract, Undertaking letter
- 2) Undertaking Letter

**9 E-RFX SUBMISSION PROCEDURE - 2 PART:**

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

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

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

- a. All Mandatory questions are answered and Requisite documents are uploaded into PQC cFolder including the EMD Submission proof.
- b. All Techno-Commercial documents required as per tender document are uploaded into "Tech RFX" cFolder.
- c. Prices and Taxes (Conditions) are quoted in the bidding engine.

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

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

**10 E-RFX OPENING PROCEDURE - 2 PART:**

E-RFx Responses are opened in the system Electronically.

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

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

**11 DOCUMENTS TO BE UPLOADED IN TECH BID C FOLDER:**

A) For Earnest Money Deposit: Agencies to transfer the Earnest Money to the Account No. 915020053600067 of Axis Bank Ltd., payable at Gajuwaka Branch (Branch Code 075). The IFSC Code is UTIB0000075 and SWIFT Code is AXISINBB075.

(i) Agency has to indicate the Bank UTR Numbers (NEFT Transaction Id Numbers) of Earnest Money Deposit (EMD) in the Questions tab section which is mandatory.

If the agency seeks exemption from submission of EMD, the agency needs to submit the following:

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

B) Statutory Documents to be submitted, wherever required

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

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

iii) Competency Certificate issued by Director of Factories, AP

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

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

## **12 E-RFX EVALUATION PROCESS:**

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

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

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

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

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

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

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

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

## **13 REVERSE E-AUCTION PROCESS:**

RINL shall have the option of resorting to reverse e-auction on SAP SRM LIVE AUCTION PLATFORM. All technically and commercially acceptable bidders would be required to participate in the reverse e-auction and quote from a start Price. In reverse e-auction the bidders would be required to quote prices on the basis of landed cost but excluding GST. Definition of key terms for RINLs SAP SRM Live-auction (E-Reverse Auction) user manual is available in SRM Portal. No separate User ID and Password is required for participating in Live Auction. User ID and Password used for Participating in E-Tendering to be used for Live Auction also.

## **14 GENERAL INSTRUCTIONS:**

- 1) The documents submitted by the tenderers in respect of pre-qualification evaluation criteria are final and no further correspondence / clarifications / submissions in this regard shall be entertained.
- 2) Scope of work, Bill of Quantities (BOQ), Terms and Conditions, given in the tender documents (placed in the cFolder Publisher area) is final. On verification, at any time, whether the tenderer is successful or not, if any of the documents submitted by the tenderer including the documents downloaded from our website are found tampered / altered / incomplete, they are liable for actions like rejection of the tender, cancellation and termination of the contract, debarring etc., as per the rules of the company.
- 3) It will be presumed that the tenderers have gone through the General Conditions, Special Conditions and Instructions to tenderer etc., of the contract available in the website which shall be binding on him / them.
- 4) The tenderer shall download the NIT documents etc (TENDER SCHEDULE) available in Tech RFx cFolder Publisher Area on the RINLs SRM Portal in totality and upload the same along with the Undertaking letter in Tech RFx cFolder.
- 5) The bidder shall be governed by the General Conditions of Contract of Supply which is available on VSPs website which can be freely accessed and downloaded.
- 6) Tenders submitted against the NIT / Tender shall not be returned in case the tender opening date is extended / postponed. Tenderers desirous to modify their offer / terms may submit their revised / supplementary offer(s) within the extended TOD.
- 7) (i) Tenderers shall submit GST Registration Certificate under GST act if available. If not available successful tenderer shall produce Registration Certificate under GST Act, wherever applicable, before signing the Work Order / Letter of Acceptance and submit a copy of the same.  
(ii) Tenderers shall submit the PF Registration Certificate if available, if not available successful tenderer shall submit PF Registration Certificate before commencement of the work.
- 8) VSP after opening of tender/bid document may seek in writing, documents/ clarifications which are necessary for evaluation of tender / bid document from the Tenderers/ bidders or issuing authority for confirmation of eligibility/ pre-qualification stipulated in the NIT.
- 9) If it comes to the notice of VSP at any stage right from request for registration/ tender document that any of the certificates/ documents submitted by applicant for registration or by bidders are found to be false/ fake/ doctored, the party will be debarred from participation in all VSP tenders for a period of 05(FIVE) years including termination of contract, if awarded. E.M.D/ Security Deposit etc., if any will be forfeited. The contracting agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation anywhere in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D./ Security Deposit, if any, and recovery of risk and cost charges etc., Decision of V.S.P Management will be final and binding.
- 10) The date of opening of the PQC and Tech RFx response shall be the date of tender opening.
- 11) Successful tenderer should be in a position to produce, after opening of the price bids, the Original Certificates in support of the attested copies of relevant documents submitted along with tender document. Failure to produce the original certificates at this stage in support of the attested copies of Electrical License/ any other documents etc. submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in VSP tenders.
- 12) RINL will not be responsible for any delay/ loss/ any website related problems in downloading the tender documents etc. RINL reserve the right to (A) Split and award the work to more than one agency, (B) Reject any or all the tenders or to accept any tender wholly or in part or drop the proposal of receiving tenders at any time without assigning any reason there of and without being liable to refund the Tender fee thereupon.

	<b>RINL VIGILANCE TOLL FREE NUMBER: 1800 425 8878</b>	
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SD/-

KRISHNENDU ROY

**1 INSTRUCTIONS TO TENDERERS:**

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

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

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

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

Evaluation criteria:

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

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

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

5) Before quoting, the tenderer shall necessarily contact the Engineer and fully understand the job, scope of work, unit of measurement, mode of measurement, scope of supply of materials by VSP if any, working conditions, shutdown arrangements, Labour deployment requirements, risk contingencies and such other factors which may affect their tender.

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

7) Corrections/ amendments/ replacement to/ of the Deficient documents / Financial Instruments for EMD shall not be sought 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 EMD or submission of UTR No./ Receipt No.

**2 EMD SUBMISSION PROCESS:**

1) In case of Earnest Money Deposit being less than or equal to Rs. 5 Lakhs, Earnest Money Deposit shall be by means of NEFT. 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 Bid opening date. The above shall supercede the instructions regarding Form of EMD elsewhere in the tender document.

2) 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.

**3) EXEMPTIONS / PREFERENCES FOR MICRO AND SMALL ENTERPRISES:**

1. Micro and Small Enterprises (MSEs) are exempted from submission of Cost of Tender Documents / Tender Processing Fee (CTD), Earnest Money Deposit (EMD), and Security Deposit (SD), irrespective of whether the service is to be carried out within or outside their premises subject to submission of proof of enlistment / registration with any of the following agencies:

- (i) District Industries Centre [Acknowledge of Entrepreneur Memorandum ie. EM (Part # II)
- (ii) Khadi and Village Industries Commission
- (iii) Khadi and Village Industries Board
- (iv) Coil Board
- (v) National Small Industries Corporation (NSIC)
- (vi) Directorate of Handicrafts Handloom
- (vii) Any other body specified by Ministry of MSME

Note:

(a) Tender documents are uploaded in the websites ([www.vizagsteel.com](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/items for which the tender is relevant, would only be eligible for exemption.

(c) As regards Security Deposit (SD) exemption, the MSEs shall be required to submit a #Performance Guarantee Bond# of requisite value in the prescribed pro-forma in lieu of Security Deposit. It may be noted that waiver of SD is permitted only up to the monetary limit as specified in the proof of enlistment for which the unit is registered.

2. Preference to MSEs shall be considered under the following conditions:

- (i) When the work is to be awarded to more than one tenderer, as stated in NIT.
- (ii) In such cases the package size / value is pre-decided and indicated in the NIT.
- (iii) MSEs shall have valid enlistment / registration with specified agencies (as above), in relevant category. The successful tenderer should ensure that the same is valid till the end of the contract period.
- (iv) The offer / bid of MSE shall be within the price band of L1 +15% and upon their matching with the final negotiated price of (L1 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) EMDs of unsuccessful tenderers will be refunded after reasonable time without interest.

<b>Work Desc: ANNUAL REPAIRS &amp; DAY TO DAY MAINTENANCE WORKS TO ROADS, BUILDINGS, WATER SUPPLY, SANITARY &amp; SEWERAGE LINES AT TOWNSHIP &amp; MINES OF MADHARAM DOLOMITE MINES</b>	
<b>Cond No</b>	<b>Cond Desc</b>
1.0	The Contractor or his representative shall report to the VSP Maintenance Office daily and should be continuously in contact with Engineer for taking instructions.
2.0	The contractor shall get the paints shade and brand approved by the Engineer prior to procurement. Use of materials other than approved 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.
3.0	The contractor shall make arrangements to collect the required water from nearby taps with the permission of residents. Meddling with or removing covers is highly objectionable.
4.0	Contractor and his workmen shall take care to see that no damages are caused to the belongings of the residents or VSP property.
5.0	Contractor shall arrange proper cleaning of the floors, doors and windows, etc., after completion of paintings jobs and the rate quoted shall include all such jobs.
6.0	Any damage caused to the properties of residents or VSP will be made good by the Contractor free of cost.
7.0	The contractor shall invariably obtain acknowledgement by the resident in the prescribed register duly certified by the Supervisor immediately on completion of the job. However, payment will be made for actual work carried out and measured as per relevant BOQ items.
8.0	The contractor or his authorized representative shall visit the Office of the Engineer every day in the morning and report the status of the works under execution and receive further instructions and job orders.
9.0	Individual work orders / instructions / notices as and when issued shall be collected by the contractor at the Maintenance Office of VSP. In case contractor or his representative fails to attend the VSP Maintenance Office, the said Work Orders / Instructions / Notices, etc. will be kept in the Notice Board of the VSP Maintenance Office and the same shall be deemed to have been served on the Contractor.
10.0	Agency has to account for VSP supplied materials as per standard procedure of Visakhapatnam Steel Plant.
11.0	Defect Liability Period : Six Months from the date of completion as certified by the Engineer-in-charge.

Contd.....2

Work Description: ANNUAL REPAIRS & DAY TO DAY MAINTENANCE WORKS TO ROADS, BUILDINGS, WATER SUPPLY, SANITARY & SEWERAGE LINES AT TOWNSHIP & MINES OF MADHARAM DOLOMITE MINES

Cond No	Cond Desc
12.0	The contractor shall indemnify the Employer against any loss / liability that may be incurred by him on account of any failure on the part of the contractor for timely rectification of the defects pointed out within the defect liability period.
13.0	The containers of all materials supplied free by the Employer ( if any ) need not be returned by the Contractor . The tendered rates shall take into account the realisable values.
14.0	The agency will deploy at least One Experienced Supervisor (With minimum 3 years experience in Civil Works) or Civil Diploma Holder all the time through out the currency of the contract. He will be able to give commitment regarding deployment of men and machinery indicating Source of deployment and will further commit that they will be available at site all the time as per requirement through out the currency of the contract
15.0	The contractor has to submit the Royalty Clearance Certificate from Telengana state Government for the minor minerals consumed for the work. If the contractor fails to submit the MRC (Mineral Revenue Clearance ) , VSP shall recover normal seigniorage fee with applicable penalty as fixed by the Government from time to time. From the Bills of The contractor
16.0	Daily labour report is to be submitted by the agency
17.0	Water proofing cement paint shall be procured from authorized stockiest of manufacturers. Purchase documents along with Batch Nos. and empties shall be surrendered to VSP for accounting / reconciliation.
18.0	Excavated earth, debris, removed material from drains, dismantled materials etc., should not be kept within 15m from the edge of excavation / drain / building. No payment will be released if found within 15m.
19.0	The contractor will be allowed to prepare and use concrete by volumetric mix as per IS: 456 latest editions.
20.0	All brought out items will be either ISI marked or as per approved list attached as Annexure I.

Contd....3



Work Description: ANNUAL REPAIRS & DAY TO DAY MAINTENANCE WORKS TO ROADS, BUILDINGS, WATER SUPPLY, SANITARY & SEWERAGE LINES AT TOWNSHIP & MINES

Cond No      Cond Desc

#### 21.0 GST Clause

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

- a. Materials to be supplied by VSP : Reinforcement Steel & Structural Steel
  - b. Consumables to be supplied by VSP : Nil
  - c. Materials to be supplied by contractor: All materials required as per BOQ Items.
  - d. Consumables to be supplied by contractor: All consumables required as per BOQ Items.
- The deduction of GST shall be done as per the rules prevailing from time to time.

22.0 Reinforcement steel and structural steel as mentioned in the item description will be issued free of cost by the employer at the Employers store (s) / yard . The quantity will be limited to the total quantity required as per contract plus permissible wastages of not more than 2% . The reinforcement bars of lengths below 300mm will be treated as scrap. All such scraps and only damaged pieces will be deemed to have been covered under the permissible wastage. For any shortage in accounting the material issued to the contractor by the Employer, recovery for the unaccounted material shall be made at the rate of 150% of the prevailing market rate at the time of accounting

23.0 Safety clause : The Contractor shall ensure usage of ISI marked regulators, hoses, nozzles, cutting torches, welding holders and cables for cutting and welding works. This must be adhered to Strictly.

#### 24.0 Workmen's Compensation Insurance Policy :

The agency should arrange insurance Policy covering all the workmen against injury, permanent disability, death etc., which shall be effective from the date of start of contract for the entire period of contract, including extended period, if any.

25.0 The contractor shall follow the provisions of Mines Act and all rules made there under from time to time as applicable and shall indemnify the employer against all claims of compensations under the provisions of the act in respect of workmen employed by the contractor in carrying out the work against all costs, expenses and penalties that may be incurred by the employer in connection therewith.

26.0 The agency has to carry out Initial / Periodical Medical Examination for all the workers engaged by them as per stipulations of Mines Act and as directed by the Engineer. The agency shall also submit Medical examination reports / certificates of the workers, in the prescribed format to the Engineer before commencement of work.

27.0 : Payment of welfare allowance to the contract labour is applicable for this work.

Annexure to NIT**PRE-QUALIFICATION REQUIREMENT**

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

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

**SINGLE **SIMILAR** WORK EXPERIENCE REQUIREMENT:**

Agencies having experience in "Miscellaneous Civil Construction/Maintenance Works" will only be considered.

The value of **single similar work executed** shall be during the last 07 (Seven) years ending last day of month previous to Tender Notice date i.e: **31.07.2018** and Turnover shall be the average Annual Financial Turnover during the last three years ending 31<sup>st</sup> March of the previous financial year i.e.**31.03.2018**. The tender document shall be accompanied with copies of

**Work Order, Bill of Quantities, Work Completion Certificate indicating the total value of the work done inclusive of all deviations and escalations against the subject work and including all taxes & duties, but excluding Goods & Service Tax**

(GST). In case of work executed outside VSP, and where the total amount includes GST, tenderers shall make efforts to get the value of GST indicated separately in the Work Completion Certificate.

In case of work-in-progress, Work-in-progress Certificate indicating start date as per Order and actual start date & value of work executed with date up to which it is considered against the subject work and including all taxes and duties, but excluding Goods & Service Tax (GST) with certification of satisfactory performance of the Contractor to that extent and continuance of the said work by the respective employer.

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.

## **PREAMBLE TO BOQ**

**Work Description : ANNUAL REPAIRS & DAY TO DAY MAINTENANCE WORKS  
TO ROADS, BUILDINGS, WATER SUPPLY, SANITARY &  
SEWERAGE LINES AT TOWNSHIP & MINES OF  
MADHARAM DOLOMITE MINES**

Cond No	Cond Desc
1.0	The scope of work under this contract is to provide services as given below:
1.1	Civil works of quarters and public Buildings including repairs, road repairs and Maintenance
1.2	Miscellaneous civil, plumbing, water supply, sanitary, sewage services maintenance jobs for attending the day-to-day complaints received from the occupants / users of the building
2.0	The quantities indicated in the BOQs are approximate and are for the guidance of the tenderer to the nature of the items of works to be executed under this contract. The actual execution of the various items of works shall be as per the requirements during the period of contract
3.0	The items and rates will cover the complete work referred to be implied in the items and are to be carried out as detailed in this specifications and additional specifications and include all subsidiary and enabling operations required whether or not enumerated in the items or in the Preamble or specifications and additional specifications.
4.0	The rates for items shall be completed in all respects and shall include the cost of all materials labour, tools, tackles, plant & equipment, scaffoldings, safety appliances, lead, lift, etc. unless otherwise specified elsewhere.
5.0	Unless otherwise specified most of the items are involving replacement and the rate shall be inclusive of cost of removal of handlings and fixtures etc. and handing them over to civil maintenance stores.
6.0	The contractor shall get the materials intended to be incorporated in the works approved before using them on the work. If so directed by the engineer, the Contractor shall get the materials tested and submit the transport to the Engineers. 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 by the contractor at his own cost.

- 7.0 The rates for items of works of painting, white washing shall include for cleaning of the old surface etc. before applying primer / painting, white washing. The rates quoted shall also include for cleaning of the strains from the floors / walls after completion of paintings / white washing.
- 8.0 Mode of measurements for all the items in the Bill of quantities shall be as per IS:1200 of relevant Sections. All measurements will be in metric systems.
- 9.0 No changes in the unit rate will be admissible for any variation in quantities. Unless otherwise specified. All the items of the Bill of Quantities are to be executed as per the description of the items, relevant IS code, specifications and / or as directed by the Engineer.

## **SPECIAL CONDITIONS OF CONTRACT**

1. **GENERAL :** The special conditions of the contract (SCC) are complementary to and shall be read in conjunction with General Conditions of Contract (GCC) of VSP for works contracts. Scope of work, Bill of Quantities and other documents form part of the Tender Documents. In case of any conflict of meaning between SCC & GCC, provisions of SCC shall over ride the Provisions of GCC.
2. Visakhapatnam Steel Plant reserves the right to accept or reject the lowest or any other tender without assigning any reason and the work may be awarded to one of the Tenderers or to more than one tenderer.
3. The contract shall be treated as having been entered into from the date of issue of the letter of intent/work order to the successful tenderer, unless otherwise specified.
4. **WATER, POWER AND COMPRESSED AIR:** Unless otherwise specified to the contrary in the tender schedule, the contractor is entitled to use in the work such supplies of water, power and compressed air (Basing on availability) from VSP's sources from approved tapping points, free of cost. The contractor shall make his own arrangement for drawing the same to the work spot.
5. **The successful tenderer shall produce GST Registration Certificate under GST Act, before signing the Work Order / Letter of Acceptance and submit a copy of the same. If the agency is unregistered / composition scheme declaration shall be submitted.**
6. Immediately on receipt of work order, the successful tenderer shall obtain and submit the following documents to the Engineer with a copy to ZPE/Manager (Pers)/CLC before start of work.
  - a(i) **ESI registration certificate** with the contractor's Code no. covering all the workmen under ESI Scheme, which shall be effective from the date of start of contract and cover for the entire period of contract including extended period/defect liability period, if any.
  - a(ii) **Insurance policy for payment of exgratia amount of Rs.5,00,000/-** (Rupees Five lakhs only) per head in case of fatal accidents while on duty, to the contract labour engaged by him in addition to the coverage under ESI Scheme / Workmen Compensation Insurance Policy whichever is applicable. As and when a fatal accident takes place while on duty along with the benefits under the ESI Scheme / Workmen Compensation, whichever is applicable, the contractor is required to pay the ex-gratia amount within 30 (Thirty) days from the date of accident to the legal heir of the deceased. In case of any delay in paying the ex-gratia amount as above, the Employer has the right to pay such amount directly to the legal heir of the deceased and recover the same from the contractor's running / future bills. This insurance policy is to be taken by the contractor over and above the provisions specified under Clause No. 6.13 (Third Party) and 6.14 (ESI Act) of the General Conditions of Contract.
  - a(iii) **Copy of the policy for third party insurance** as stipulated in Clause 6.13 of the GCC.
  - b) **Labour License** obtained from Assistant Labour Commissioner (Central), Visakhapatnam.
  - c) **PF Registration Certificate** issued by PF Authorities
  - d) **Safety clearance** from Safety Engineering Department of VSP.
7. The contractor shall submit wage records, work commencement/completion certificate etc. and obtain necessary clearance from Contract Labour Cell of VSP for bills clearance.
8. The contractor shall ensure strict compliance with provisions of the Employee's Provident Fund Act, 1952 and the scheme framed there under in so far as they are applicable to their establishment and agencies engaged by them. The contractor is also required to indemnify the employer against any loss or claim or penalties or damages whatsoever resulting out of non- compliance on the part of the contractor with the provisions of aforesaid act and the schemes framed there under. A copy of the provident fund membership certificate/PF CODE number shall be submitted by the contractor.
9. The contractor shall follow the provisions of Indian Factories Act and all rules made there under from time to time as applicable and shall indemnify the employer against all claims of compensations under the provisions of the act in respect of workmen employed by the contractor in carrying out the work against all costs, expenses and penalties that may be incurred by the employer in connection therewith.
10. a) **Total amount quoted shall be inclusive of all taxes, levies, duties, royalties, overheads and the like but excluding GST prevailing as on the date of submission of bids.**

- b) During the operation of the contract if any new taxes/duties/levies etc are imposed or rates undergo changes, as notified by the Government and become applicable to the subject works, the same shall be reimbursed by VSP on production of documentary evidence in respect of the payment of the same. Similarly benefits accruing to agency on account of withdrawal/reduction in any existing taxes and duties shall be passed on to VSP.
  - c) Supplier of Services / Goods shall comply with the GST provision as prescribed. In case of failure to comply with the GST provision by the Supplier thereby RINL could not obtain GST-ITC or ITC is reversed with interest at a later date the equivalent amount of ITC lost including interest paid, if any, to GST Authorities shall be recovered from the immediate payment due to the supplier of service.
  - d) The prices are exclusive of GST. RINL-VSP will pay GST as applicable on submission of Tax Invoices in accordance with Rule 46 of GST Rule 2017.  
The contractor will be paid GST by RINL-VSP along with monthly RA bills. The contractor will, in turn, submit the documentary evidence in support of payment of GST of each month along with subsequent month RA Bills.  
The Supplier/Contractor shall upload the details of Invoices issued by him in the monthly return (GSTR-1) of the month in which Tax Invoices are raised to enable RINL to claim Input Tax Credit under GST. Otherwise, Payment of GST will not be made.
11. **ADVANCE:** No advance of any sort will be given by VSP.
  12. **PAYMENT TERMS:** Payment will be made monthly on recommendations of the Engineer basing on the quantities executed, at accepted rates.
  13. **MEASUREMENTS:** The contractor shall take measurements jointly with the Engineer or his representative and keep joint records for the same. Bills shall be prepared and submitted by the contractor basing on agreed measurements.
  14. **INITIAL SECURITY DEPOSIT (ISD):** Initial Security Deposit for the work shall be @ 2% of contract price. Earnest Money Deposited by the successful tenderer shall be adjusted against ISD, and the difference between ISD and EMD shall be deposited in the manner mentioned in the work order/letter of intent.
  15. **RETENTION MONEY:** Retention Money for contracts up to a value of Rs. 100 lakhs, at the rate of 7.5% of the bills for works with defective liability period *not NIL* and at the rate of 5.0% *for works with defective liability period "NIL"* will be deducted from each bill until this amount together with the Initial Security Deposit reach the limit of retention which is 7.5% or 5.0% as the case may be for the value of work. The Retention Money shall be released after the satisfactory completion of defect liability period after liquidating the defects. For contracts of value above Rs.100 Lakhs, the limit of retention money shall be Rs.7.5 lakhs plus 5% of the value exceeding Rs.100 lakhs.
  16. **Security Deposit:** : The Public Sector Enterprises or State/Central Government Undertakings/ MSEs shall be required to submit a "Performance Guarantee Bond" of requisite value in the prescribed proforma in lieu of Security Deposit covering the period of contract + defect liability period + 6 months (Claim period). It may be noted that waiver of Security Deposit is permitted only up to the monetary limit as specified in the proof of enlistment for which the unit is registered for MSEs.
  17. **Recovery of income tax at source** will be made from contractor's bill and deposited with Income Tax Department as per rules. Recovery of sales tax applicable shall be made from the contractor's bills.
  18. **SAFETY:**
    - a) The contractor and his workers must strictly take all safety precautions and shall supply to his workers dependable safety appliances like hand gloves, safety boots, safety belt, safety helmets, duster cloth, dust mask/nosril filter etc. In addition to this, contractor shall also provide additional safety appliances as per requirement and follow safe working practices like using fully insulated electrode holders etc. He shall also ensure that his workmen intelligently use only dependable safety appliances supplied to them.
    - b) The contractor shall take adequate safety precaution to prevent accidents at site. The contractor shall also ensure that his employees observe the statutory safety rules and regulations and also those laid down by the employer from time to time and promptly submit report of accident and state the measures taken by him to prevent their

- recurrence and also keep the employer indemnified of all claims arising out of such accidents.
- c) No Workmen shall be engaged on the work without proper safety induction and without using required PPE. Use of safety helmet and shoe is must excepting in painting works where shoe will not be used.
  - d) All the safety appliances required for safe working as decided by SED/Contract operating department shall be provided by the contractor to his workmen.
  - e) Clearance to start the job will be obtained by the contractor in form 'A&B' before start of work. The forms may be obtained from the dept. concerned.
  - f) Works at height cannot be started without clearance from Zonal Safety Officer. The workers engaged for work at height shall possess height pass from SED. The names of workmen working at height or in hazardous areas will be written on the body of form "B".
  - g) Contravention of any safety regulation of VSP in vogue from time to time will result into work stoppage, levying penalties and ultimately in contract termination.

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

**I. Category-I of Safety Violations:**

**Penalty amount: First offence Rs.1000/-, 2<sup>nd</sup> or subsequent offences Rs.2000/- For Works / Non-works.**

**Penalty amount: First offence Rs.1000/-, 2<sup>nd</sup> or subsequent offences Rs.2000/- For Projects**

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

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

**Penalty amount: Rs.3000/- - For Works / Non-works.**

**Penalty amount: Rs.5000/- - For Projects**

**A. HEIGHT:**

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

**B. EXCAVATION:**

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

**C. ELECTRICAL:**

- (1) Power cable clamped with G. I. Wires to post / pillar;
- (2) Power cables tied on reinforce rod / structure without proper insulation;
- (3) Loose connection taken from sockets without proper plug;
- (4) Taking shelter behind electrical panel;
- (5) Power cables / electrical wires lying on ground in hap-hazard manner;
- (6) Source of supply / danger board not displayed on the electrical equipment;
- (7) Electrical Control Post not provided with Barricade / Shelter / Canopy;
- (8) Cables used having many joints;
- (9) Earthing not provided on Electrical Equipments;
- (10) ELCB not installed.



**D. MATERIAL HANDLING:**

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

**E. GAS CUTTING:**

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

**F. ARC WELDING:**

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

**G. PPEs:**

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

**H. VEHICLE:**

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

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

**I. PERMITS:**

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

**J. GENERAL:**

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

**K. STATUTORY RECORDS:**

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

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

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

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

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

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

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

**HEIGHT:**

- (1) Using bamboo / or other non-standard material for scaffolding
- (2) Railing not given at platforms or opening of floor
- (3) Scaffolding planks not tied
- (4) Throwing / dropping of material from height

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

**EXCAVATION:**

- (1) No barricading of excavated pits

**ELECTRICAL:**

- (1) Unauthorized working on electrical equipment

**VEHICLE:**

- (1) Sleeping under truck

**ARC WELDING:**

- (1) Welding screen not used

**GENERAL:**

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

**V. Fatal Accidents / Permanent disability**

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

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

**Note:**

- 1) Any other violation which is not listed above having potential to endanger human life / Property shall be liable for penalty under any of the categories listed above.
- 2) Independent of the above, the contractor shall be debarred from taking up further contractual work in VSP in case any repeated fatal accident after 3<sup>rd</sup> incident for the reasonable attributable to Contractor.
- 3) The Safety violations have been classified into five categories (I to V). Without prejudice to the right conferred by the Clause No. 16(g) of Special Conditions of Contract for stoppage of work for violation of safety rules, the contractor shall be liable for penalty at the rates as indicated depending upon the category of violation.
- 4) The penalties mentioned above are in addition to those which are applicable as per the Statutory Acts & Rules. In case of any imposed penalty by any Statutory Authority, the same shall be over and above the contractual clauses.
- 5) The above penalties related to the accidents mentioned at Category-V will be imposed on agency in case the reasons to the accidents are attributable to the agency.

**AUTHORITY FOR IMPOSING PENALTIES:**

- 1) Penalty for violations falling under the Categories (I), (II) & (III) will be imposed by Engineer Incharge based on the findings by the designated officer of SED / Departmental Safety Officer / Zonal / Project Safety Officer / Operating Authority, a copy of the penalty imposition .
  - 2) Penalty to the violations falling under the Categories (IV) & (V) will be imposed by the Engineer Incharge, based on the recommendation of Head of SED in consultation with the Head of Operating Department.
  - 3) The penalty amount shall be recoverable from any bill and / or EMD / SD of the contractor without any further reference to him.
  - 4) For violations falling under the Category (V), besides penalty action for banning of business dealings with the contractor will be initiated, if recommended by the committee for enquiring into fatal cases.
  - h) "The contractor shall ensure that the Welders and Gas Cutters wear cotton dress and leather apron. They shall not wear nylon/synthetic dress. This is required to avoid any fire accident. This must be followed strictly".
19. **SHUTDOWNS:**
- A) Necessary shutdowns will be arranged by VSP to the contractor for carrying out the work based on requirement. No claims on account of delayed/prolonged shutdown will be entertained.
  - B) The works assigned to the contractor by the Engineer from time to time shall be completed within the time schedule fixed by the Engineer in each case, within the approved shut down period.
20. **LABOUR DEPLOYMENT:**
- A) The contractor shall deploy his labour as per requirement and as instructed by the Engineer. It may be necessary to carryout the work round the clock based on requirement and shutdown provided. The contractor's rate shall cover such eventualities.
  - B) Only trained, experienced, safety inducted workers acceptable to the Engineer shall be engaged on this work, work shall be executed as per specifications to the satisfaction of the Engineer.
  - C) As and when need arises in the Annual works from time to time either for extra requirement of work or as a replacement in running contracts or a contract commencing for the first time, the contractor shall ensure that Displaced Persons (DPs) are engaged in unskilled category of workers to the extent of 50% (fifty percent). The contractor shall contract the Engineer-in-charge for this purpose.
  - D) "As and when need arises in the annual works from time to time either for extra requirement of work or as a replacement in running contracts or a contract commencing for the first time in semi-skilled category, the contractor shall ensure the minimum qualification of ITI in the relevant field for such semi-skilled category of workers. The contractor will also ensure to engage 50% (Fifty percent) of such semi-skilled vacancies from Displaced Persons (DPs) category. The contractor shall contact the Engineer-in-charge (EIC) for this purpose".
  - E) The Contractor shall engage contract worker(s) who do not have any adverse record with respect to his character in the past. For this purpose, the character and antecedents of the proposed worker(s) whom the Contractor intended to engage, shall be got verified by the Police and report shall be submitted. Till such time the report is submitted, the proposed contract worker(s) will be given only provisional pass and the pass will be cancelled in case any adverse report is reported.
21. **SECURITY REGULATIONS:** The contractor shall abide by and also observe all security regulations promulgated from time to time by the employer.
22. **STORING/STACKING OF MATERIALS:** Storing/Stacking/Placing of materials shall be only at the places designated by the engineer.
23. The contractor, his supervisors and workmen shall observe entry and exit timings strictly.
24. After completion of work activity, the site has to be cleared of all debris, construction material and the like.
25. The successful tenderer shall start the work immediately after obtaining gate passes and safety induction training and clearance from the Employer.

26. **NOTICES:** Any notice to be given to the contractor under terms of the contract shall be considered duly served, if the same has been delivered to, left for or posted by registered post to the contractors principal place of business (or in the event of the contractor being a company, its registered office), at the site or to their last known address.
27. **DEFAULT BY TENDERERS:** The successful tenderer may be debarred at the discretion of the company, from issue of further tender documents, work orders etc., for a specified period to be decided by the employer in case of :  
 “Undue delay in starting and execution of work awarded, poor performance, backing out from the tender, non accepting work order/LOI during the validity of tender or non observance of safety rules and regulations, misappropriation of company’s materials/property, non payment of due wages to labour or such similar defaults”.
28. Successful tenderer should be in a position to produce the Original Certificate in support of the attested copies of relevant documents enclosed along with pre-qualification documents or afterwards, after opening of the Price Bids.
29. Failure to produce the original certificates at this stage in support of the attested copies of PF Registration/ITCC/Electrical License/Experience/Qualification any other documents etc., submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in VSP tenders.
30. If it comes to the notice of VSP at any stage right from request for registration/tender document that any of the certificates/documents submitted by applicant for registration or by bidders are found to be false/fake/doctored, the party will be debarred from participation in all VSP tenders for a period of 05 (FIVE) YEARS including termination of Contract, if awarded. EMD / Security Deposit etc., if any, will be forfeited. The Contracting Agency in such cases shall make good to VSP any loss or damage resulting from such termination. Contracts in operation any where in VSP will also be terminated with attendant fall outs like forfeiture of E.M.D. / Security Deposit, if any, and recovery of risk and cost charges etc. Decision of V.S.P. Management will be final and binding.
31. Failure to execute the work after LOI/WORK ORDER is given, will make the party liable for debarring for a period of 2 (TWO) YEARS.
32. In case it is found before/after award of work to the person/agency through Limited Tender Enquiry (LTE) that the same person/agency is proprietor/proprietress/partner of two or more separate agencies and quoted for the same work, then punitive action to the extent of debarring up to 02 (Two) years from participating in VSP tenders will be taken.
33. In case the Tenderers revoke/withdraw/cancel their tender or they vary any terms of their tender during the validity period of the tender without the written consent of Visakhapatnam Steel Plant (VSP) or in the event of VSP accepting their tender and fail to deposit the required security money, execute the Agreement and fail to start the work within reasonable time (to be determined by the Engineer) after written acceptance of their tender – EMD submitted by them will be forfeited by VSP.
34. Contractor shall note that:
  - i) Time for mobilization after issue of FAX Letter of Intent/detailed Letter of Intent / Work Order shall be;
    - a. 03 (Three) days for Capital Repairs
    - b. 15 days for Civil Works
    - c. 60 days for painting works of Structural Engineering Department
    - d. 07 (Seven) days for Annual Mechanical, Electrical and works of technological assistance/cleaning.
  - ii) Re-starting the work after disruption shall be within 04 (Four) to 06 (Six) hours after the cause of disruption is removed as decided by the HOD.
  - iii) Notice period for Contract Termination shall be - 03 (Three) hours in the event of breakdowns, 02 (Two) days in Capital Repairs and 10 days in other works.

*Failure to adhere to above stipulations may result in Termination of contract at risk & cost and will make the party liable for debarring for a period o 2 (Two) years.*
35. Agencies are required to submit Bank Guarantee for the value as decided by the Engineer as a Security while taking out Equipment/Components/materials of VSP to their workshop situated outside the VSP premises for carrying out repairs.
36. In case of revision in RINL / VSP approved wage rate, consequent to the revision in the minimum wages (either in Basic Wage or Living Allowances) as notified by the Regional Labour

Commissioner (Central), Hyderabad, Escalation amount to the contract shall be payable as per the following formula:

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

**WHERE:**

- V= Escalation Payable  
 L= Labour Content during billing period  
 W= Gross value of work done on the basis of Contract Rates for the period for which variation is applicable  
 X= Revised Weighted Average of RINL/VSP approved Rates for the period for which variation is applicable (for Unskilled, Semi-skilled and Skilled categories of Workers) based on the minimum wages as notified by the ALC (Central), Hyderabad, for the period under consideration for that contract as per present man days of different categories for the billing period.  
 X<sub>o</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 days of different categories for the billing period.

**Computation of X and X<sub>o</sub> & L :**

- X=  $(a \cdot \text{USR} + b \cdot \text{SSR} + c \cdot \text{SKR}) / (a + b + c)$   
 X<sub>o</sub>=  $(a \cdot \text{USR}_o + b \cdot \text{SSR}_o + c \cdot \text{SKR}_o) / (a + b + c)$   
 L =  $(a \cdot \text{USR}_o + b \cdot \text{SSR}_o + c \cdot \text{SKR}_o) / W$

**Where**

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

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

- USR<sub>o</sub>= VSP approved Rate for USW indicated based on which the Estimate of work was prepared,  
 SSR<sub>o</sub>= VSP approved Rate for SSW indicated based on which the Estimate of work was prepared,  
 SKR<sub>o</sub>= VSP approved Rate for SKW indicated based on which the Estimate of work was prepared,

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

**37. PAYMENT OF MINIMUM WAGES:**

- 37.1. *Wages paid to the workmen by the contractor should not be less than the rates notified by the Regional Labour Commissioner (Central), Hyderabad, from time to time with regard to the minimum wages applicable to the respective categories of workmen plus the ad-hoc amount at the rate of Rs.11.54ps as per working day per workman per category. Wages with ad-hoc amount to the workmen should be paid on or before the 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.*

- 1a) Lapse ————Payment of wages at rates less than those notified under the minimum wages.

- Action by VSP** ————An amount equivalent to the differential amount between wages to be paid under minimum wages notification of the Government applicable for the period less actual wages paid shall be recovered from the bills as certified by the engineer.
- b) **Lapse** ————Non payment of adhoc amount  
**Action by VSP** ————An amount equivalent to actual payable towards adhoc amount to the workmen engaged for relevant period shall be recovered from the bills as certified by the Engr.
- 2) **Lapse** ————Non payment of wages  
**Action by VSP** ————An amount equivalent to wages payable by the contractor applicable for the relevant period shall be recovered from the bills as certified by the Engineer.
- 3) **Lapse** ————Non payment of PF  
**Action by VSP** ————Recovery of PF amount and an amount equivalent to maximum penalty leviable by Regional Provident Fund Commissioner for the delayed period under the provisions of ERP & MP Act and Rules for delayed remittance of PF contributions (both the employee's and employer's contribution), shall be recovered from the bills of contractor as certified by Engineer.
- 4) **Lapse** ————Delayed payment of PF  
**Action by VSP** ———— An amount equivalent to maximum penalty leviable by Regional provident Fund Commissioner for the delayed period under the provisions of EPF & MP Act and rules for delayed remittance of PF contributions (both the employee's and employer's contribution), shall be recovered from the bills of the contractor as certified by Engineer.
- 37.2. The contractor shall have to pay WELFARE ALLOWANCE (earlier known as SMA, ASMA) towards fuel charges, food, milk, tiffin, coconut water, washing allowance etc @ Rs.80.76ps per day of actual attendance of each worker deployed in the contract not exceeding Rs.2100/- per month in addition to the wages as indicated in the minimum wages clause of Special Conditions of Contract . The contractor will submit his claim with proof of such payment made in this connection in the RA Bill and the same amount will be reimbursed/paid to him.
- 37.2.1. It may be noted that the payment of WELFARE ALLOWANCE is towards the expenditure incurred by the contract labour towards Fuel Charge, Coconut Water Allowance, Washing Allowance, Food/Milk/Tiffin Allowance.
- 37.2.2. The contractor is required to take the above aspects into consideration while submitting their offers and no profit/overhead charges will be paid by VSP on this account.
- 37.2.3. As regards applicability of payment of WELFARE ALLOWANCE, the contractor may refer NIT/Terms & Conditions of the contract in this regard.
- 37.3. (a) **Penalty for delayed payment / non-payment of wages:**  
 If the contractor fails to pay wages within the stipulated time ie., by 7<sup>th</sup> working day of the subsequent month, a penalty up to 1% of the gross wages (Basic, DA & Over time (if any) except Adhoc, SMA, ASMA and other allowances) of the workers will be levied for every day of lapse subject to a maximum of 10% in any calendar month. This is without prejudice to appropriate action against the contractor including debarring, in case of perpetual / habitual default".
- (b) **Payment of wages through banks:**  
 The contractor shall pay wages not less than the minimum wages notified by the appropriate Government from time to time to the workers deployed by him. The payment shall be made on the due dates either by way of crossed cheques or crediting the wages to the bank accounts of the concerned contract workers. Proof of such payment shall be submitted by the contractor to the Engineer Incharge by 10<sup>th</sup> of the subsequent calendar month.
38. **The contract period can be extended at the discretion of V.S.P. up to 04 (Four) months at the existing Rates, Terms and conditions and the Contractor shall be bound to execute the work accordingly and the offer of the Contractor is deemed to include this aspect.**
39. **The tenderers shall note that in case of quoting above the Estimated Value of V.S.P. the L-1 party shall furnish logical / satisfactory explanation which V.S.P. may seek if felt necessary for quoting**

such high rates. If the explanation offered by the L-1 party is not acceptable to V.S.P., the L-1 party may be recommended for disqualification while retendering the work.

40. The contractor should clearly understand and comply with the Factories Act 1948 and relieve the FEMALE WORKERS from their work site within the restricted working hours prescribed therein under section 66(b).
41. The following deductions per workman deployed category-wise shall be made from the bills/amounts due to the contractor as applicable for the work done and such deducted amounts shall be released as mentioned below:

1) Component ——— Notice pay  
Recovery amount per labour per every working day —  
USK —Rs.38.44ps, SSK —Rs.43.42ps, SK—Rs.50.88ps

2) Component ——— Retrenchment compensation  
Recovery amount per labour per every working day —  
USK —Rs.19.22ps, SSK —Rs.21.71ps, SK—Rs.25.44ps

3) Component ——— Leave with wages  
Recovery amount per labour per every working day  
USK —Rs.23.66ps, SSK —Rs.26.72ps, SK—Rs.31.31ps

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

Sub-total -  
USK —Rs.81.32ps, SSK —Rs.91.85ps, SK—Rs.107.63ps

4) Component ——— Bonus  
Recovery amount per labour per every working day  
USK —Rs.38.43ps, SSK —Rs.43.40ps, SK—Rs.50.86ps

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

**GRAND TOTAL**  
USK —Rs.119.75ps, SSK —Rs.135.25ps, SK—Rs.158.49ps  
10% towards profit and over heads of contractor  
USK —Rs.11.98ps, SSK —Rs.13.53ps, SK—Rs.15.85ps  
Total recovery amount  
USK —Rs.131.73ps, SSK —Rs.148.78ps, SK—Rs.174.34ps

**Note:**

- i) The above recovery rates are ***effective from 01/10/2017***. In case of any statutory revision in minimum wages payable to contract workmen as notified by the Regional Labour Commissioner (Central), Hyderabad from time to time, the above recovery amounts for workmen category-wise will be revised by RINL/VSP and will be notified accordingly.
- ii) Payment against the above component is to be made to the workmen based on ***effective wages of last drawn pay***.

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

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

42.1.1 **EFT System:** Under this system Banks offer their customers money Transfer service from account of any bank branch to any other Bank Branch. The EFT system presently covers all the



branches of about 77 banks located at 15 centers indicated below, where clearing houses are managed by RBI i.e.,

i) New Delhi ii) Chandigarh iii) Kanpur iv) Jaipur v) Ahmedabad vi) Mumbai vii) Nagpur viii) Hyderabad ix) Bangalore x) Chennai xi) Trivendrum xii) Kolkata xiii) Bhubaneswar xiv) Guwahati xv) Patna.

**42.1.2 Direct Credit:** Suppliers opting for this system may open Bank accounts with any one of the following banks.

i)	State Bank of India	-	Steel Plant Branch
ii)	Canara Bank	-	Steel Plant Branch
iii)	Bank of Baroda	-	Steel Plant Branch
iv)	State Bank of Hyderabad	-	Steel Plant Township Branch
v)	Andhra Bank	-	Steel Plant Township Branch
vi)	UCO Bank	-	Steel Plant Township Branch
vii)	IDBI	-	Visakhapatnam Branch

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

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

(Signature of the Party / Contractor)

Name:

Desgn:

#### CERTIFICATE

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

Sd/-.....

(Signature of Branch Manager)

Name :

Seal of Bank :

- 42.3 The contractor has to submit their bank account details in VSP format duly certified by Concerned Bank Manager for the purpose of making electronic payment before submission of First Running Account Bill, failing which the bill will not be processed.
- 42.4. The Successful tenderer is required to give an undertaking to the Finance Department of VSP that the payment made by RINL/ VSP of any sum due to him by directly remitting the same in his bank, the address and the number of which is to be furnished, shall be in full discharge of the particular bill raised by him, and that he shall not have any claim in respect of the same”.
- 42.5 *In respect of payment made through Electronic Fund Transfer mechanism or Direct Credit to the supplier's/contractor's bank account, the supplier/contractor/receiver should intimate discrepancies, if any, within 10 days from the date of dispatch of intimation letter of payment to them to Finance Department of VSP failing which it shall be presumed that the funds have reached to their bank account and that no claims will be entertained after the said 10 days.*
43. **CLAUSES CONCERNING INPUT TAX CREDIT (ITC) AGAINST GST:**
- a) The successful tenderer shall take necessary steps to comply with the rules and provisions of GST law facilitating VSP to avail ITC.
  - b) **Price condition:** Tenderers shall quote the price of the goods or services excluding GST. Applicable GST shall be indicated against each item and will be paid extra on submission of tax invoice.  
In case tenderer opted for composition scheme, GST will not be charged extra and the price quoted includes the GST applicable to composite scheme. Tenderers have to specify that they have opted for composition scheme and GST is included as applicable for composition.  
**Evaluation criteria:**
    1. In case of supply of goods or services on which RINL / VSP is eligible to avail GST input tax credit, evaluation of tender shall be on the basis of landed cost excluding GST.
    2. In case of supply of goods or services on which the employer (RINL/VSP) is not eligible to avail GST input tax credit, the applicable GST payable by RINL/VSP (in case of unregistered taxable supplies) or GST to be charged by the registered taxable supplier as applicable, shall be added to the landed cost for evaluation purposes.
  - c) The tax invoice raised by the Contractor should clearly mention VSP as the recipient. It should be ensured that material has been delivered along with the duplicate for transporter copy of the tax invoice, based on which Input Tax Credit is to be claimed.
  - d) The duty paying documents shall be submitted as soon as the material is procured by the agency for incorporation in the work. In case the material is supplied from a third party, it should be backed up with a GST Tax Invoice from Contractor.
  - e) Material once received in to the factory would not be allowed to go outside the factory premises for any reason. Excess/Rejected material will be allowed to be taken back after complying with the provisions of GST Act.
- 43.1 **Vendor/Supplier/Contractor shall comply with all the necessary statutory compliances including but not limited to providing GST invoices or other documentation as per GST law relating to the above supply/service to RINL, uploading the details of the invoice, payment of taxes, timely filing of valid statutory returns for the tax period in the Goods and Service Tax Portal.**  
**In case of Input Tax Credit of GST is denied or demand is recovered from RINL on account of any act of the Vendor, including but not limited to non-payment of GST charged and recovered, non-generation of E-Way Bill, non-filing of Returns, non-uploading/improper uploading of valid invoices raised on RINL in the Returns etc., the Vendor/Supplier/Contractor shall indemnify RINL in respect of all claims of tax, penalty and / or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. Such amount shall be recovered from any payments due to the vendor/supplier/contractor of from security deposit or any other amount available in the same contract or in other contracts including future contracts.**  
**If any tax has been paid by the vendor/supplier/contractor in pursuance of any demand on account of suppression, fraud or willful misstatements of facts, then the same shall not be passed on to RINL through debit notes or invoices or supplementary invoices.**
44. RINL reserves the right to reject the offers of tenderers whose performance is poor in awarded / ongoing works if any.

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

### UNDERTAKING LETTER

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

Name of work: **ANNUAL REPAIRS & DAY TO DAY MAINTENANCE WORKS  
TO ROADS, BUILDINGS, WATER SUPPLY, SANITARY  
& SEWERAGE LINES AT TOWNSHIP & MINES OF MADHARAM  
DOLOMITE MINES**

RFx No. **2600002541 /MINES**

Sir,

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

I/We have deposited the Earnest Money Deposit (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.

**SIGNATURE OF THE TENDERER**



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

**BILL OF QUANTITIES**

<b>PR No / Date:</b> 73003577 / 30.05.2018	<b>Report Date :</b> 31.05.2018
<b>Pur . Org.:</b> WORKS CONTRACTS	
<b>MSS:</b> 9130314802 : ANNUAL REPAIRS & DAY TO DAY CIVIL MAINTENANCE	
ANNUAL REPAIRS & DAY TO DAY CIVIL MAINTENANCE	

The BOQ Items are taken as per the following Rates.						
	Central Rates	VSP Rates				
<b>Skilled</b>	593.000	988.650				
<b>Semi Skilled</b>	506.000	848.450				
<b>Unskilled</b>	448.000	753.350				
Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
1	310000681	Clearing light jungle including shrubs , bushes, grass and plant saplings of girth up to 300 mm measured at 1m height from ground level by mechanical means and removal of cut jungle up to a distance of 3 Km. outside the periphery of the area cleared as per the direction of the Engineer and burning the Jungle at dumping place including all materials, tools, labour etc. complete.	40,000.000	M2	1.05	42,000.00
2	310000682	FELLING OF TREES OF GIRTH (MEASURED AT A HEIGHT OF 1MT ABOVE GROUND LEVEL) AND CUTTING OF THE ROOTS UP TO 300MM BELOW GROUND LEVEL AND TRANSPORTATION OF CUT TREES UP TO A DISTANCE OF 3KM TREATING THE PIT WITH CHEMICAL AS SPECIFIED IN SPECIAL CONDITIONS OF CONTRACT AND FILLING UP PITS WITH EARTH AND BURNING THE CUT TREES ASIDE INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC.,COMPLETE : BEYOND 300MM GIRTH UPTO AND INCLUDING 600MM GIRTH	100.000	EA	62.56	6,256.00
3	310000683	FELLING OF TREES OF GIRTH (MEASURED AT A HEIGHT OF 1MT ABOVE GROUND LEVEL) AND CUTTING OF THE ROOTS UP TO 300MM BELOW GROUND LEVEL AND TRANSPORTATION OF CUT TREES UP TO A DISTANCE OF 3KM TREATING THE PIT WITH CHEMICAL AS SPECIFIED IN SPECIAL CONDITIONS OF CONTRACT AND FILLING UP PITS WITH EARTH AND BURNING THE CUT TREES ASIDE INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC.,COMPLETE : BEYOND 600MM GIRTH UPTO AND INCLUDING 1200MM GIRTH	60.000	EA	88.65	5,319.00
4	310000684	EARTH WORK IN EXCAVATION IN ALL TYPES OF SOILS AND HIGHLY DISINTEGRATED ROCK IN FOUNDATIONS TRENCHES OR DRAINS NOT EXCEEDING 1.5 METERS IN WIDTH OR 10 SQ.M ON PLAN DRESSING OF SIDES, RAMMING OF BOTTOMS LIFT UPTO 1.5 METERS INCLUDING GETTING OUT THE EXCAVATED SOIL AS DIRECTED WITH IN A LEAD OF 50 METERS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.	125.000	M3	137.50	17,187.50
5	310000685	FILLING WITH AVAILABLE EXCAVATED EARTH EXCLUDING ROCK IN TRENCHES, PLINTH, SIDES OF FOUNDATION ETC. IN LAYERS NOT EXCEEDING 20 CMS IN DEPTH CONSOLIDATING EACH DEPOSITED LAYER BY RAMMING AND WATERING, LEAD UPTO 50 M AND LIFT UPTO 1.5 METERS INCLUDING ALL	50.000	M3	44.46	2,223.00



**RAHSTRIYA ISPAT NIGAM LIMITED**  
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Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		MATERIALS,TOOLS,LABOUR ETC. COMPLETE (FINAL FILLED UP VOLUME IS THE BASIS FOR PAYMENT).				
6	310000686	SUPPLYING AND FILLING WITH CLEAN RIVER SAND IN TRENCHES,SIDES OF FOUNDATION,PLINTH,UNDER FLOORS ETC.INCLUDING WATERING,RAMMING,CONSOLIDATING AND DRESSING INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE AS DIRECTED BY ENGINEER IN CHARGE.	50.000	M3	453.42	22,671.00
7	310000687	EARTH WORK IN SURFACE EXCAVATION NOT EXCEEDING 20 CM. IN DEPTH FOR ROAD SIDES AND BERMS INCLUDING DISPOSAL OF EXCAVATED EARTH UPTO A LEAD OF 50M.	1,000.000	M2	8.07	8,070.00
8	310000688	Excavating trenches of required width for pipes, cables etc. including excavation for sockets, dressing of sides, ramming of bottoms, depth up to 1.5M including getting out the excavated soil and then returning the soil as required in layers not exceeding 20cm in depth including consolidating each layer by ramming, watering etc. and disposing of surplus etc. and disposing of surplus excavated soil as directed excavated soil as directed within a lead of 50M. a. Pipes, cables etc. not exceeding 80mm dia.	100.000	M	35.92	3,592.00
9	310000689	EXCAVATING TRENCHES OF REQUIRED WIDTH FOR PIPES,CABLES ETC. INCLUDING EXCAVATION FOR SOCKETS,DRESSING OF SIDES,RAMMING OF BOTTOMS,DEPTH UPTO 1.5M INCLUDING GETTING OUT THE EXCAVATED SOIL AND THEN RETURNING THE SOIL AS REQUIRED IN LAYERS NOT EXCEEDING 20CM IN DEPTH INCLUDING CONSOLIDATING EACH LAYER BY RAMMING,WATERING ETC. AND DISPOSING OF SURPLUS ETC. AND DISPOSING OF SURPLUS EXCAVATED SOIL AS DIRECTED EXCAVATED SOIL AS DIRECTED WITHIN A LEAD OF 50M : PIPES,CABLES ETC.EXCEEDING 80MM DIA BUT NOT EXCEEDING 300MM DIA.	50.000	M	52.29	2,614.50
10	310000690	SUPPLYING AND LAYING PCC OF FOLLOWING GRADES AS DEFINED BY IS 456,MACHINE MIXED AND MECHANICALLY VIBRATED AT ALL HEIGHTS AND DEPTHS ABOVE AND BELOW PLINTH LEVEL ALL AS PER SPECIFICATION AND DIRECTIONS OF THE ENGINEER EXCLUDING FORM WORK,INCLUDING CURING,ALL MATERIALS. TOOLS,LABOUR ETC. COMPLETE : CONCRETE GRADE OF 1:3:6 USING 20MM AND DOWN GRADED AGGREGATE	6.000	M3	3,179.82	19,078.92
11	310000691	SUPPLYING AND LAYING PCC OF FOLLOWING GRADES AS DEFINED BY IS 456,MACHINE MIXED AND MECHANICALLY VIBRATED AT ALL HEIGHTS AND DEPTHS ABOVE AND BELOW PLINTH LEVEL ALL AS PER SPECIFICATION AND DIRECTIONS OF THE ENGINEER EXCLUDING FORM WORK,INCLUDING CURING,ALL MATERIALS. TOOLS,LABOUR ETC. COMPLETE : CONCRETE GRADE OF 1:2:4 USING 20MM AND DOWN	5.000	M3	3,657.34	18,286.70



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Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		GRADED AGGREGATE				
12	310000692	SUPPLYING AND LAYING REINFORCED CEMENT CONCRETE OF FOLLOWING GRADES AS DEFINED IN IS 456 MACHINE MIXED AND MECHANICALLY VIBRATED BY USING 20MM AND DOWN GRADED AGGREGATE FOR ALL TYPES OF BUILDINGS,INDUSTRIAL STRUCTURES,EQUIPMENT FOUNDATIONS,BASEMENTS,PUMP HOUSES,COLUMNS,RAFT SLABS,FOOTINGS,PEDESTALS,TUNNELS,PIPELINES,MAN HOLES,THRUST BLOCKS ETC. AT ALL HEIGHTS AND DEPTHS ABOVE AND BELOW PLINTH LEVEL ALL AS PER DRAWINGS,SPECIFICATIONS AND DIRECTION OF THE ENGINEER,EXCLUDING COST OF FORM WORK AND STEEL REINFORCEMENT INCLUDING ALL MATERIALS TOOLS,PLANT,LABOUR ETC. COMPLETE : CONCRETE GRADE OF 1:2:4	5.000	M3	3,022.67	15,113.35
13	310000693	SUPPLYING AND LAYING REINFORCED CEMENT CONCRETE OF FOLLOWING GRADES AS DEFINED IN IS 456 MACHINE MIXED AND MECHANICALLY VIBRATED BY USING 20MM AND DOWN GRADED AGGREGATE FOR ALL TYPES OF BUILDINGS,INDUSTRIAL STRUCTURES,EQUIPMENT FOUNDATIONS,BASEMENTS,PUMP HOUSES,COLUMNS,RAFT SLABS,FOOTINGS,PEDESTALS,TUNNELS,PIPELINES,MAN HOLES,THRUST BLOCKS ETC. AT ALL HEIGHTS AND DEPTHS ABOVE AND BELOW PLINTH LEVEL ALL AS PER DRAWINGS,SPECIFICATIONS AND DIRECTION OF THE ENGINEER,EXCLUDING COST OF FORM WORK AND STEEL REINFORCEMENT INCLUDING ALL MATERIALS TOOLS,PLANT,LABOUR ETC. COMPLETE : CONCRETE GRADE OF 1: 11/2 : 3	5.000	M3	4,027.35	20,136.75
14	310000694	CASTING,CURING,HOISTING AND FIXING IN POSITION PRECAST RCC UNITS OF MIX 1 : 2 : 4 (1 CEMENT,2 SAND AND 4 GRADED AGGREGATE 20MM SIZE) INCLUDING ALL MATERIALS,TOOLS,LABOUR,CENTERING,SHUTTERING ETC.BUT EXCLUDING COST OF REINFORCEMENT (REINFORCEMENT STEEL SHALL BE PAID SEPARATELY).	1.000	M3	4,610.36	4,610.36
15	310000695	PROVIDING AND FIXING FORM WORK IN POSITION WITH NECESSARY CENTRINGS,BRACINGS,PROPPINGS ETC. AND REMOVING THE SAME AFTER THE SPECIFIED PERIOD FOR ALL TYPES OF FORM WORK FOR PLAIN AND REINFORCED CEMENT CONCRETE WORK IN ALL TYPES OF BUILDINGS,STRUCTURES,EQUIPMENT FOUNDATION,COLUMN FOOTINGS,TUNNELS,WALLS,SLABS ETC. ALL AS PER DRAWINGS,SPECIFICATIONS,AND DIRECTIONS OF THE ENGINEER ALL MATERIALS,TOOLS AND LABOUR COMPLETE : AT ALL DEPTHS BELOW PLINTH LEVEL	40.000	M2	126.41	5,056.40



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Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		(NOTE : PLINTH LEVEL MEANS 1.2M ABOVE GROUND LEVEL FOR WALLS ETC. WHERE EVER PLINTH LEVEL IS NOT DEFINED).				
16	310000696	PROVIDING AND FIXING FORM WORK IN POSITION WITH NECESSARY CENTRINGS,BRACINGS,PROPPINGS ETC. AND REMOVING THE SAME AFTER THE SPECIFIED PERIOD FOR ALL TYPES OF FORM WORK FOR PLAIN AND REINFORCED CEMENT CONCRETE WORK IN ALL TYPES OF BUILDINGS,STRUCTURES,EQUIPMENT FOUNDATION,COLUMN FOOTINGS,TUNNELS,WALLS,SLABS ETC. ALL AS PER DRAWINGS,SPECIFICATIONS,AND DIRECTIONS OF THE ENGINEER ALL MATERIALS,TOOLS AND LABOUR COMPLETE : AT ALL HEIGHTS ABOVE PLINTH LEVEL. (NOTE : PLINTH LEVEL MEANS 1.2M ABOVE GROUND LEVEL FOR WALLS ETC. WHERE EVER PLINTH LEVEL IS NOT DEFINED).	30.000	M2	260.74	7,822.20
17	310000697	SUPPLYING AND MIXING IN CEMENT CONCRETE OR CEMENT MORTAR WORK,WATER PROOFING COMPOUND LIKE CICO NO. 1 OR EQUIVALENT OF APPROVED QUALITY IN THE PROPORTION RECOMMENDED BY THE MANUFACTURER INCLUDING ALL MATERIALS TOOLS,LABOUR COMPLETE	50.000	KG	47.46	2,373.00
18	310000698	TAKING DELIVERY FROM STORES AND PLACING IN POSITION,STEEL REINFORCEMENT INCLUDING ANGLE/PINS PROVIDED FOR WITH APPROVED WELDED JOINTS OR LAPS AS REQUIRED AT ALL LEVELS ABOVE AND BELOW PLINTH LEVEL FOR REINFORCED CEMENT CONCRETE AND PRECAST REINFORCED CEMENT CONCRETE WORKS INCLUDING STRAIGHTENING AND DECOILING,CUTTING,BENDING,CRANKING,TACK WELDING AS NECESSARY ALL AS PER DRAWINGS SPECIFICATIONS AND DIRECTIONS OF THE ENGINEER INCLUDING COST OF BINDING WIRE,COVER BLOCKS,ELECTRODES ETC. ALL MATERIALS TOOLS,PLANT,LABOUR COMPLETE. (STEEL SHALL BE SUPPLIED BY VSP AT FREE OF COST.): WITH M.S ROUNDS OF ALL DIAMETERS	0.400	M3	8,682.90	3,473.16
19	310000699	TAKING DELIVERY FROM STORES AND PLACING IN POSITION,STEEL REINFORCEMENT INCLUDING ANGLE/PINS PROVIDED FOR WITH APPROVED WELDED JOINTS OR LAPS AS REQUIRED AT ALL LEVELS ABOVE AND BELOW PLINTH LEVEL FOR REINFORCED CEMENT CONCRETE AND PRECAST REINFORCED CEMENT CONCRETE WORKS INCLUDING STRAIGHTENING AND DECOILING,CUTTING,BENDING,CRANKING,TACK WELDING AS NECESSARY ALL AS PER DRAWINGS SPECIFICATIONS AND DIRECTIONS OF THE ENGINEER INCLUDING COST OF BINDING WIRE,COVER BLOCKS,ELECTRODES ETC. ALL MATERIALS TOOLS,PLANT,LABOUR COMPLETE. (STEEL SHALL BE SUPPLIED BY VSP AT FREE OF COST.): WITH	1.000	TO	8,682.89	8,682.89





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Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		DEFORMED BARS OF ALL DIAMETERS				
20	310000700	FABRICATING AND ERECTING IN POSITION AS PER DRAWING,SPECIFICATION AND INSTRUCTIONS OF THE ENGINEER,MS INSERTS,ANCHOR BOLTS,HOLDING DOWN BOLTS WITH NUTS AND WASHERS,CURB ANGLES,CHANNEL PIPES,PIPE SLEEVES,PLATES,FLANGES,RUNGS,RAILS,STEEL DUCT BOXES FOR VENTILATORS ETC. FOR EMBEDDING IN PERMANENT CONCRETE WORK AND M S PLATE COVERS FOR OPENING AT ALL HEIGHTS AND DEPTHS ABOVE AND BELOW GROUND LEVELS OF BUILDINGS AND EQUIPMENT FOUNDATIONS ETC. INCLUDING ALL CONNECTED WASHERS AND ADJUSTMENT IN SHUTTERING & REINFORCEMENT,CLEANING OF GREASE,PAINT ETC. THERE FROM AND WELDING WHEREVER NECESSARY FOR FIXING AND REMOVAL OF PARTS PROTRUDING FROM THE CONCRETE WHEREVER NECESSARY AND GROUTING WITH NEAT CEMENT SAND SLURRY (1 : 2) RATIO AND FINISHED SMOOTH ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.(STEEL SUPPLIED BY VSP FREE OF COST)	0.500	TO	13,410.91	6,705.46
21	310000701	SUPPLYING & PROVIDING BRICK WORK WITH BRICKS OF CLASS 50 AS SPECIFIED WITH ONE OR MORE BRICKS IN 1 : 6 CEMENT SAND MORTAR INCLUDING FAIR CUTTING,WASTE,BONDING,PLUMBING,LINING,LEVELIN G,FLUSHING AND RACKING JOINTS,SCAFFOLDING AND CURING AS DIRECTED,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.(AT ALL DEPTHS BELOW PLINTH LEVEL)	5.000	M3	2,444.69	12,223.45
22	310000702	SUPPLYING & PROVIDING BRICK WORK WITH BRICKS OF CLASS 50 AS SPECIFIED WITH ONE OR MORE BRICKS IN 1 : 6 CEMENT SAND MORTAR INCLUDING FAIR CUTTING,WASTE,BONDING,PLUMBING,LINING,LEVELIN G,FLUSHING AND RACKING JOINTS,SCAFFOLDING AND CURING AS DIRECTED,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : AT ALL HEIGHTS ABOVE PLINTH LEVEL.	5.000	M3	2,633.23	13,166.15
23	310000703	PROVIDING HALF BRICK THICK MASONRY WITH BRICKS OF CLASS 50 AT ALL HEIGHTS AND DEPTH ABOVE AND BELOW PLINTH IN CEMENT MORTAR (1:4) INCLUDING ALL MATERIALS,SCAFFOLDING,TOOLS,LABOUR ETC. COMPLETE.	2.000	M2	331.11	662.22
24	310000704	PROVIDING RANDOM RUBBLE MASONRY IN CEMENT MORTAR (1:6) AS SPECIFIED INCLUDING FAIR CUTTING,WASTE,BONDING,PLUMBING,LINING,LEVELIN G,SCAFFOLDING AND CURING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : AT ALL DEPTHS BELOW PLINTH LEVEL.	4.000	M3	2,151.05	8,604.20
25	310000705	PROVIDING RANDOM RUBBLE MASONRY IN CEMENT MORTAR (1:6) AS SPECIFIED INCLUDING FAIR CUTTING,WASTE,BONDING,PLUMBING,LINING,LEVELIN	3.000	M3	2,532.76	7,598.28





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**VISAKHAPATNAM STEEL PLANT**  
**VISAKHAPATNAM - 530031**

**BILL OF QUANTITIES**

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		G,SCAFFOLDING AND CURING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : AT ALL HEIGHTS ABOVE PLINTH LEVEL.				
26	310000706	DEMOLISHING CONCRETE,BRICK MASONRY,STONE MASONRY OF ALL GRADES INCLUDING DISPOSAL OF MATERIAL WITHIN 50 MTS. LEAD INCLUDING ALL MATERIALS TOOLS,LABOUR ETC. COMPLETE : CEMENT CONCRETE	3.000	M3	416.42	1,249.26
27	310000707	DEMOLISHING CONCRETE,BRICK MASONRY,STONE MASONRY OF ALL GRADES INCLUDING DISPOSAL OF MATERIAL WITHIN 50 MTS. LEAD INCLUDING ALL MATERIALS TOOLS,LABOUR ETC. COMPLETE : BRICK MASONRY	2.000	M3	212.64	425.28
28	310000708	DEMOLISHING CONCRETE,BRICK MASONRY,STONE MASONRY OF ALL GRADES INCLUDING DISPOSAL OF MATERIAL WITHIN 50 MTS. LEAD INCLUDING ALL MATERIALS TOOLS,LABOUR ETC. COMPLETE : STONE MASONRY	1.000	M3	292.38	292.38
29	310000709	DEMOLISHING CONCRETE,BRICK MASONRY,STONE MASONRY OF ALL GRADES INCLUDING DISPOSAL OF MATERIAL WITHIN 50 MTS.# LEAD INCLUDING ALL MATERIALS TOOLS,LABOUR ETC. COMPLETE : BRICK TILES ON ROOF SLAB	200.000	M2	10.10	2,020.00
30	310000710	SUPPLYING AND PROVIDING 15 MM THICK CEMENT PLASTER OF MIX 1:5 (1 CEMENT : 5 FINE SAND) AT ALL HEIGHTS AND DEPTHS ABOVE AND BELOW PLINTH LEVEL INCLUDING ALL MATERIALS,TOOLS AND LABOUR COMPLETE.	400.000	M2	125.97	50,388.00
31	310000711	REPAIRS TO THE PLASTER IN PATCHES OF AREA 2.5 SQ.M AND UNDER INCLUDING CUTTING THE PATCH IN PROPER SHAPE AND PREPARING AND PLASTERING THE SURFACE OF THE WALLS WITH 20MM THICK PLASTER IN CEMENT MORTAR 1 :4 (1 CEMENT : 4 FINE SAND) INCLUDING DISPOSAL OF RUBBISH TO THE DUMPING GROUND WITHIN 50 MTRS LEAD INCLUDING ALL MATERIAL,TOOLS,LABOUR COMPLETE.	200.000	M2	114.74	22,948.00
32	310000712	SUPPLYING AND PROVIDING 40MM THICK GRANOLITHIC CEMENT CONCRETE FLOORING 1:2:4 (1CEMENT : 2 SAND : 4 GRADED AGGREGATE OF 10MM NOMINAL SIZE) FINISHED WITH A FLOATING COAT OF NEAT CEMENT INCLUDING ALL MATERIALS,CURING,TOOLS,LABOUR COMPLETE.	40.000	M2	234.31	9,372.40
33	310000713	PROVIDING DOOR SILL 75 X 75 MM IN CEMENT CONCRETE 1:2:4 USING 10MM DOWN GRADED STONE AGGREGATE INCLUDING FINISHING WITH CEMENT MORTAR (1:3) CUTTING THE FLOOR,COST AND CONVEYANCE OF ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.	10.000	M	51.12	511.20
34	310000714	PROVIDING DRIP COURSE 25MM WIDE AND 16MM THICK WITH CEMENT MORTAR 1 : 3 AT THE UNDERSIDE OF THE CHAJJAS,SLABS ETC. AT ALL LEVELS AS	20.000	M	2.99	59.80



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		REQUIRED COMPLETE AS PER SPECIFICATIONS AND/OR AS DIRECTED BY THE ENGINEER INCLUDING,COST AND CONVEYANCE OF ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.				
35	310000715	PROVIDING WHITE WASH AS SPECIFIED TO PLASTERED SURFACES OR OLD SURFACES AT ALL HEIGHTS AND DEPTH ABOVE AND BELOW PLINTH LEVEL INCLUDING SCAFFOLDING ALL MATERIALS,TOOLS,LABOUR COMPLETE.(ONE COAT)	3,000.000	M2	3.27	9,810.00
36	310000716	PROVIDING COLOUR WASH TO GIVE AN EVEN SHADE TO PLASTERED SURFACES OR OLD SURFACES AT ALL HEIGHTS AND DEPTHS ABOVE OR BELOW PLINTH LEVEL INCLUDING SCAFFOLDING,MATERIALS,TOOLS,LABOUR COMPLETE.	100.000	M2	3.59	359.00
37	310000718	PROVIDING WHITE AND COLOUR WASH TWO OR MORE COATS INCLUDING COST AND CONVEYANCE OF ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE FOR ROAD KERBS.	800.000	M	2.08	1,664.00
38	310000719	REMOVING THE DAMAGED STYLES AND RAILS OF DOORS AND WINDOWS SHUTTER,DAMAGED FRAMES AND REPLACING THE SAME INCLUDING FIXING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : TREATED COUNTRY WOOD	0.300	M3	57,296.21	17,188.86
39	310000720	REMOVING THE DAMAGED STYLES AND RAILS OF DOORS AND WINDOWS SHUTTER,DAMAGED FRAMES AND REPLACING THE SAME INCLUDING FIXING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : 2ND CLASS TEAK WOOD	0.150	M3	143,967.48	21,595.12
40	310000722	SUPPLYING AND FIXING 12 MM THICK PLYWOOD SHEETS TO DOORS/WINDOW SHUTTER REPAIRS INCLUDING COST OF ALL MATERIALS,TOOLS,SCAFFOLDING LABOUR ETC. COMPLETE AS PER THE DIRECTION OF THE ENGINEER.	20.000	M2	922.78	18,455.60
41	310000723	RENEWING GLASS PANES WITH PUTTY AND NAILS WHEREVER NECESSARY AT ALL HEIGHTS INCLUDING SUPPLYING AND FIXING SHEET GLASS WITH PUTY/WOODEN FILLETS OF APPROVED QUALITY AS DIRECTED BY THE ENGINEER INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : GLASS PANES WEIGHING APPROX.10.0KG/SQ.MT (4MM THICK)	10.000	M2	1,038.92	10,389.20
42	310000724	RENEWING GLASS PANES WITH PUTTY AND NAILS WHEREVER NECESSARY AT ALL HEIGHTS INCLUDING SUPPLYING AND FIXING SHEET GLASS WITH PUTY/WOODEN FILLETS OF APPROVED QUALITY AS DIRECTED BY THE ENGINEER INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : GLASS PANES WEIGHING APPROX.13.75 KG/SQ.MT (5.5 THICK)	2.000	M2	1,246.67	2,493.34
43	310000726	RENEWING GLASS PANES WITH PUTTY AND NAILS WHEREVER NECESSARY AT ALL HEIGHTS INCLUDING SUPPLYING AND FIXING SHEET GLASS WITH PUTY/WOODEN FILLETS OF APPROVED QUALITY AS	2.000	M2	2,013.35	4,026.70



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		DIRECTED BY THE ENGINEER INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : PLASTIC SHEET OF 3 M.M. THICK.				
44	310000725	RENEWING GLASS PANES WITH PUTTY AND NAILS WHEREVER NECESSARY AT ALL HEIGHTS INCLUDING SUPPLYING AND FIXING SHEET GLASS WITH PUTY/WOODEN FILLETS OF APPROVED QUALITY AS DIRECTED BY THE ENGINEER INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : TRANSLUCENT GLASS 4 MM THICK	15.000	M2	1,078.28	16,174.20
45	310000727	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : SLIDING DOOR BOLTS OF SIZE:300 X 16MM WITH NUTS AND SCREWS	10.000	EA	73.00	730.00
46	310000728	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : TOWER BOLTS 250 X 10MM WITH SCREWS	15.000	EA	50.21	753.15
47	310000729	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : TOWER BOLTS 150 X 10MM WITH SCREWS	20.000	EA	30.74	614.80
48	310000730	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : TOWER BOLTS 100 X 10MM WITH SCREWS	20.000	EA	25.96	519.20
49	310000731	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : HANDLE 125MM WITH SCREWS	10.000	EA	14.30	143.00
50	310000732	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : HANDLE 100MM WITH SCREWS	20.000	EA	14.48	289.60
51	310000733	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : MS OXIDISED CASEMENT PEG STAYS FOR WINDOWS	10.000	EA	25.83	258.30
52	310000734	REMOVING AND REPLACING,FITTING WITH NEW FITTING OF MS OXIDISED FOR DOORS AND WINDOWS INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : STEEL WINDOW FASTENER MS OXIDISED WITH NUTS	10.000	EA	28.81	288.10
53	310000735	REPLACING AND FIXING APPROVED MAKE NEW ANODISED ALUMINIUM TOWER BOLTS AND DROP BOLTS WITH 100MM SHOOT TO DOOR SHUTTER AND FRAME WITH SCREWS ALL MATERIALS,TOOLS AND LABOUR COMPLETE (150MM LONG)	10.000	EA	61.14	611.40
54	310000736	REPLACING AND FIXING APPROVED MAKE NEW	10.000	EA	93.21	932.10



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		ANODISED ALUMINIUM TOWER BOLTS AND DROP BOLTS WITH 100MM SHOOT TO DOOR SHUTTER AND FRAME WITH SCREWS ALL MATERIALS,TOOLS AND LABOUR COMPLETE : 300MM LONG				
55	310000737	REPLACING AND FIXING NEW ANIODISED ALLUMINIUM DOOR HANDLES OF APPROVED MAKE OF LENGTH 125MM WITH ANODISED ALUMINIUM FACE PLATES AND SCREWS IN DOORS ALL MATERIAL,TOOLS AND LABOUR COMPLETE	10.000	EA	94.62	946.20
56	310000738	PROVIDING AND FIXING ALLUMINIUM SLIDING DOOR BOLTS ANODISED TRANSPARENT OR DYED TO REQUIRED COLOUR OF SHADE WITH NUTS AND SCREWS ETC. INCLUDING ALL MATERIALS TOOLS AND LABOUR COMPLETE : 250 X 16MM	10.000	EA	203.34	2,033.40
57	310000739	SUPPLYING AND FIXING HANGING TYPE ANODIZED ALLUMINIUM FLOOR DOOR STOPPER WITH NECESSARY SCREWS INCLUDING ALL MATERIALS TOOLS AND LABOUR COMPLETE.	5.000	EA	39.77	198.85
58	310000740	REPLACING AND FIXING APPROVED MAKE ANODISED ALUMINIUM BUTT HINGES INCLUDING SCREWS ALL MATERIALS TOOLS AND LABOUR COMPLETE : 125MM X 63MM X 4MM THICK	5.000	EA	97.12	485.60
59	310000741	REPLACING AND FIXING APPROVED MAKE ANODISED ALUMINIUM BUTT HINGES INCLUDING SCREWS ALL MATERIALS TOOLS AND LABOUR COMPLETE : 100MM X 63MM X 4MM THICK	8.000	EA	69.51	556.08
60	310000742	PROVIDING AND FIXING HYDRAULIC DOOR CLOSERS OF APPROVED BRAND (EVERITE OR EQVT.) WITH ALL MATERIALS COMPLETE INCLUDING REMOVING THE OLD ONE ETC. COMPLETE AS PER SPECIFICATIONS AND/OR AS DIRECTED BY THE ENGINEER.	2.000	EA	1,373.16	2,746.32
61	310000743	TAKING OUT DOORS,WINDOWS AND CLERESTORY WINDOW SHUTTERS (STEEL OR WOOD) INCLUDING REFIXING THE SAME WITH NEW HINGES INCLUDING ALL MATERIALS TOOLS AND LABOUR COMPLETE (NEW HINGES WILL BE SUPPLIED BY THE AGENCY) : RECTIFICATION BY REMOVING	10.000	EA	371.82	3,718.20
62	310000744	TAKING OUT DOORS,WINDOWS AND CLERESTORY WINDOW SHUTTERS (STEEL OR WOOD) INCLUDING REFIXING THE SAME WITH NEW HINGES INCLUDING ALL MATERIALS TOOLS AND LABOUR COMPLETE (NEW HINGES WILL BE SUPPLIED BY THE AGENCY) : RECTIFICATION WITHOUT REMOVING FROM FRAME.	100.000	EA	153.22	15,322.00
63	310000745	REMOVING HYDRAULIC DOOR CLOSER,REFIXING AFTER RECTIFICATION,SETTING RIGHT,REPLACING OIL,SPRING ETC. INCLUDING COST AND CONVEYANCE OF MATERIALS,LABOUR,TOOLS ETC. COMPLETE.	2.000	EA	72.90	145.80
64	310000746	REMOVING,PROVIDING AND FIXING BY WELDING NEW MS OXIDISED BUTT HINGES FOR DOORS AND WINDOWS,FRAMES,ALL MATERIALS,TOOLS,PLANT,LABOUR ETC. COMPLETE.	10.000	EA	37.54	375.40



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		(WELDING SET SHALL BE SUPPLIED BY VSP AT FREE OF COST) : 100 X 58 X 1.9MM				
65	310000747	REMOVING,PROVIDING AND FIXING BY WELDING NEW MS OXIDISED BUTT HINGES FOR DOORS AND WINDOWS,FRAMES,ALL MATERIALS,TOOLS,PLANT,LABOUR ETC. COMPLETE. (WELDING SET SHALL BE SUPPLIED BY VSP AT FREE OF COST) : 25 X 47 X 1.7MM	10.000	EA	36.70	367.00
66	310000748	REMOVING,PROVIDING AND FIXING WOODEN CLEATS OF SIZE:100 X 75 X 50MM TO DOORS AND WINDOWS FRAME BY WELDING INCLUDING REMOVAL OF OLD CLEATS WHEREVER NECESSARY INCLUDING PAINTING TO MATCH THE EXISTING SHADE,ALL MATERIALS,TOOLS AND PLANT,LABOUR ETC. COMPLETE SAL WOOD CLEATS WITH IRON HINGES AND SCREWS (WELDING SET SHALL BE SUPPLIED BY VSP AT FREE OF COST)	5.000	EA	34.44	172.20
67	310000749	RECTIFICATION OF SLIDING BOLTS/TOWER BOLTS HANDLES,HINGES ETC. OF DOORS AND WINDOWS WITH REPLACEMENT OF SCREWS,BOLTS AND NUTS IF REQUIRED,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.	20.000	EA	18.28	365.60
68	310000750	RENEWAL OF OLD PUTTY FOR GLASS PANES WITH NECESSARY CLIPS OR PINS INCLUDING ALL MATERIALS,TOOLS AND LABOUR COMPLETE.	10.000	M	11.32	113.20
69	310000751	REMOVING THE HOOD/COVERS FOR ALL SIZES OF ROLLING SHUTTERS AND INSPECTING SPRINGS,BEARINGS,SHAFT,SIDE GUIDES,GEAR BOX,GEAR WORM,GEAR WHEEL AND CHAIN AND WHEEL ARRANGEMENT FOR ELECTRICALLY OPERATED SHUTTERS,WICKET GATE ETC. AND GREASING ALL THE PARTS AFTER NECESSARY ADJUSTMENT AND TENSIONING THE OLD SPRINGS FOR FREE OPERATION AND MAINTENANCE OF SHUTTER AND REFIXING THE HOOD/COVERS IN POSITION INCLUDING COST OF GREASES,OILS ETC.,MATERIALS,NECESSARY SCAFFOLDINGS,,TOOLS,TACKLES,LABOUR ETC. COMPLETE AND AS DIRECTED BY ENGINEER AT SITE : PULL AND PUSH TYPE	10.000	EA	360.27	3,602.70
70	310000752	PROVIDING AND FIXING HOLDER BAT CLAMPS TO THE EXISTING GI PIPE LINE INCLUDING COST OF MATERIAL AND LABOUR COMPLETE.	50.000	EA	15.50	775.00
71	310000753	PROVIDING AND FIXING FLY PROOF/GALVANISED MS WIRE GAUGE TO WINDOWS AND DOORS WITH WIRE GAUGE OF IS GAUGE DESIGNATIOIN 85G WIRE OF DIA 0.56MM INCLUDING ALL MATERIALS,TOOLS,AND LABOUR ETC.,COMPLETE	10.000	EA	449.99	4,499.90
72	310000754	SUPPLYING AND FIXING IN PROSITION THE FOLLOWING FITTINGS TO DOORS,WINDOWS ETC.,WITH NECESSARY SCREWS/BOLTS & NUTS ETC.,COMPLETE IN ALL	10.000	EA	109.04	1,090.40



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		FLOORS AT ALL LEVELLS- VISION PANEL/MAGIC EYE OF APPROVED QUALITY AS PER DRAWING AND OR AS DIRECTED BY ENGINEER.				
73	310000755	SUPPLYING AND REPLACEMENT OF BITUMEN WASHERS FOR 'J' OR 'L' HOOKS OF AC/CGI SHEET ROOFING/WALLING INCLUDING NUTS IF REQUIRED,COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE.	500.000	EA	5.93	2,965.00
74	310000756	TAKING DELIVERY FROM EMPLOYER STORE OR ANY OTHER SUPPLY POINT,CUTTING,PLACING,FIXING AND STICHING IN POSITION AT ALL HEIGHTS ABOVE PLINTH LEVEL IN OPERATING UNITS GALVANISED CORRUGATED STEEL SHEETS/GP SHEETS OF ALL GAZES FOR ROOFS,MONITORS,GABLE AND SIDE CLADDING,ETC INCLUDING BENDING TO SHAPE AT THE NORTH LIGHT CURVES AND PROVIDING,RIDGING AND/OR FLUSHING WITH GP SHEETS AS SHOWN IN DRAWINGS AND FIXING THE ABOVE ITEMS WITH TWO COATS OF COAL TAR PAINTING IN LAP YEARS WITH NECESSARY GALVANISED STEEL BOLTS,SHEETING BOLTS,LIMPET OR DIAMOND WASHERS,INTEGRAL WASHERS AND SQUARE NUTS (ONLY NET AREA LAID EXCLUDING LAPS SHALL BE MEASURED). ALL AS PER DRAWINGS SPECIFICATIONS,DIRECTIONS OF ENGINEER-IN-CHARGE WITH ALL MATERIALS,TOOLS AND LABOUR COMPLETE (GC SHEET/GP SHEET/COAL TAR FREE ISSUE FROM VSP). (J/L HOOKS,WASHERS,NUTS TO BE PROVIDED BY CONTRACTOR AT HIS OWN COST).	50.000	M2	159.87	7,993.50
75	310000757	PROVIDING AND FIXING BALL VALVE (BRASS) OF APPROVED QUALITY FOR HIGH OR LOW PRESSURE WITH PLASTIC FLOATS,REMOVING THE OLD ONES INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : 15MM DIA FULL SET.	10.000	EA	320.46	3,204.60
76	310000758	PROVIDING AND FIXING BALL VALVE (BRASS) OF APPROVED QUALITY FOR HIGH OR LOW PRESSURE WITH PLASTIC FLOATS,REMOVING THE OLD ONES INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : 25MM DIA FULL SET.	20.000	EA	385.04	7,700.80
77	310000759	PROVIDING AND FIXING BALL VALVE (BRASS) OF APPROVED QUALITY FOR HIGH OR LOW PRESSURE WITH PLASTIC FLOATS,REMOVING THE OLD ONES INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : 15MM DIA BALLS ONLY.	8.000	EA	56.48	451.84
78	310000760	PROVIDING AND FIXING BALL VALVE (BRASS) OF APPROVED QUALITY FOR HIGH OR LOW PRESSURE WITH PLASTIC FLOATS,REMOVING THE OLD ONES INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : 25MM NOMINAL BORE BALLS FOR FLOAT VALVE.	16.000	EA	68.76	1,100.16
79	310000761	PROVIDING AND FIXING BALL VALVE (BRASS) OF	5.000	EA	47.86	239.30





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		APPROVED QUALITY FOR HIGH OR LOW PRESSURE WITH PLASTIC FLOATS, REMOVING THE OLD ONES INCLUDING COST OF ALL MATERIALS, TOOLS AND LABOUR COMPLETE : 15MM DIA RODS ONLY.				
80	310000762	PROVIDING AND FIXING BALL VALVE (BRASS) OF APPROVED QUALITY FOR HIGH OR LOW PRESSURE WITH PLASTIC FLOATS, REMOVING THE OLD ONES INCLUDING COST OF ALL MATERIALS, TOOLS AND LABOUR COMPLETE : 25MM DIA RODS ONLY.	10.000	EA	67.61	676.10
81	310000763	PROVIDING AND FIXING BIBCOCK/STOPCOCK/PILLAR COCK OF APPROVED QUALITY WITH ISI MARK INCLUDING REMOVING THE OLD ONE, INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : BRASS BIBCOCK OF 15MM DIA	20.000	EA	231.78	4,635.60
82	310000764	PROVIDING AND FIXING BIBCOCK/STOPCOCK/PILLAR COCK OF APPROVED QUALITY WITH ISI MARK INCLUDING REMOVING THE OLD ONE, INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : BRASS STOPCOCK OF 15MM DIA	20.000	EA	413.29	8,265.80
83	310000765	PROVIDING AND FIXING BIBCOCK/STOPCOCK/PILLAR COCK OF APPROVED QUALITY WITH ISI MARK INCLUDING REMOVING THE OLD ONE, INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : CP BRASS PILLAR COCK OF 15MM DIA	10.000	EA	899.11	8,991.10
84	310000766	PROVIDING AND FIXING BIBCOCK/STOPCOCK/PILLAR COCK OF APPROVED QUALITY WITH ISI MARK INCLUDING REMOVING THE OLD ONE, INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : CP BRASS PRESS TYPE BIBCOCK OF 15 MM DIA.	6.000	EA	395.79	2,374.74
85	310000767	PROVIDING AND FIXING BIBCOCK/STOPCOCK/PILLAR COCK OF APPROVED QUALITY WITH ISI MARK INCLUDING REMOVING THE OLD ONE, INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : CAST IRON BIBCOCK	40.000	EA	131.07	5,242.80
86	310000768	PROVIDING AND FIXING BRASS FULL WAY VALVE WITH CI WHEEL OF APPROVED QUALITY (SCREWED ENDS) INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : 20MM NOMINAL BORE	6.000	EA	366.62	2,199.72
87	310000769	PROVIDING AND FIXING BRASS FULL WAY VALVE WITH CI WHEEL OF APPROVED QUALITY (SCREWED ENDS) INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : 25MM NOMINAL BORE	6.000	EA	312.15	1,872.90
88	310000770	PROVIDING AND FIXING BRASS FULL WAY VALVE WITH CI WHEEL OF APPROVED QUALITY (SCREWED ENDS) INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : 32MM NOMINAL BORE	2.000	EA	349.67	699.34
89	310000771	PROVIDING AND FIXING BRASS FULL WAY VALVE WITH CI WHEEL OF APPROVED QUALITY (SCREWED ENDS) INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE : 40MM NOMINAL BORE	6.000	EA	522.27	3,133.62
90	310000772	PROVIDING AND FIXING BRASS FULL WAY VALVE	4.000	EA	2,099.55	8,398.20



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		WITH CI WHEEL OF APPROVED QUALITY (SCREWED ENDS) INCLUDING ALL MATERIALS,TOOLS AND LABOUR COMPLETE : 80MM NOMINAL BORE				
91	310000773	REPAIRING THE LEAKAGE OF PIPES,CISTERN ETC. WITH M.SEAL TO MAKE THEM LEAK PROOF INCLUDING ALL MATERIALS,.TOOLS LABOUR COMPLETE.	40.000	EA	37.78	1,511.20
92	310000774	CUTTING,REMOVING,CLEANING THE GI PIPES FROM ABOVE OR BELOW GROUND LEVEL,RETHREADING THE OLD GI PIPES IF REQUIRED INCLUDING SUPPLY AND FIXING OF SPECIALS SUCH AS NIPPLE,BEND ETC. RELAYING THE PIPES AND MATCHING WITH THE EXISTING LINE,TESTING FOR ANY LEAKAGES,SPUN YARN,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : 15MM DIA GI PIPE	40.000	M	23.04	921.60
93	310000775	CUTTING,REMOVING,CLEANING THE GI PIPES FROM ABOVE OR BELOW GROUND LEVEL,RETHREADING THE OLD GI PIPES IF REQUIRED INCLUDING SUPPLY AND FIXING OF SPECIALS SUCH AS NIPPLE,BEND ETC. RELAYING THE PIPES AND MATCHING WITH THE EXISTING LINE,TESTING FOR ANY LEAKAGES,SPUN YARN,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : 20MM DIA GI PIPE	40.000	M	34.10	1,364.00
94	310000776	CUTTING,REMOVING,CLEANING THE GI PIPES FROM ABOVE OR BELOW GROUND LEVEL,RETHREADING THE OLD GI PIPES IF REQUIRED INCLUDING SUPPLY AND FIXING OF SPECIALS SUCH AS NIPPLE,BEND ETC. RELAYING THE PIPES AND MATCHING WITH THE EXISTING LINE,TESTING FOR ANY LEAKAGES,SPUN YARN,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : 25MM DIA GI PIPE	40.000	M	55.89	2,235.60
95	310000777	CUTTING,REMOVING,CLEANING THE GI PIPES FROM ABOVE OR BELOW GROUND LEVEL,RETHREADING THE OLD GI PIPES IF REQUIRED INCLUDING SUPPLY AND FIXING OF SPECIALS SUCH AS NIPPLE,BEND ETC. RELAYING THE PIPES AND MATCHING WITH THE EXISTING LINE,TESTING FOR ANY LEAKAGES,SPUN YARN,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : 32MM DIA GI PIPE	10.000	M	95.92	959.20
96	310000778	CUTTING,REMOVING,CLEANING THE GI PIPES FROM ABOVE OR BELOW GROUND LEVEL,RETHREADING THE OLD GI PIPES IF REQUIRED INCLUDING SUPPLY AND FIXING OF SPECIALS SUCH AS NIPPLE,BEND ETC. RELAYING THE PIPES AND MATCHING WITH THE EXISTING LINE,TESTING FOR ANY LEAKAGES,SPUN YARN,ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : 40MM DIA GI PIPE	20.000	M	115.08	2,301.60
97	310000779	CUTTING,REMOVING,CLEANING THE GI PIPES FROM ABOVE OR BELOW GROUND LEVEL,RETHREADING THE OLD GI PIPES IF REQUIRED INCLUDING SUPPLY AND FIXING OF SPECIALS SUCH AS NIPPLE,BEND ETC. RELAYING THE PIPES AND MATCHING WITH THE	10.000	M	191.80	1,918.00





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

**BILL OF QUANTITIES**

Sl.No	Service Number	Description of the item	Qty	UOM	Rate	Amount
		EXISTING LINE, TESTING FOR ANY LEAKAGES, SPUN YARN, ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE : 80 MM DIA GI PIPE				
98	310000780	PROVIDING AND FIXING MEDIUM QUALITY GI PIPES WITH GI FITTINGS AND CLAMPS INCLUDING CUTTING AND MAKING GOOD THE WALLS WHERE EVER NECESSARY ETC. INCLUDING COST ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE : 15MM DIA GI PIPE	20.000	M	185.03	3,700.60
99	310000781	PROVIDING AND FIXING MEDIUM QUALITY GI PIPES WITH GI FITTINGS AND CLAMPS INCLUDING CUTTING AND MAKING GOOD THE WALLS WHERE EVER NECESSARY ETC. INCLUDING COST ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE : 20MM DIA GI PIPE	6.000	M	186.43	1,118.58
100	310000782	PROVIDING AND FIXING MEDIUM QUALITY GI PIPES WITH GI FITTINGS AND CLAMPS INCLUDING CUTTING AND MAKING GOOD THE WALLS WHERE EVER NECESSARY ETC. INCLUDING COST ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE : 25MM DIA GI PIPE	20.000	M	292.15	5,843.00
101	310000783	PROVIDING AND FIXING MEDIUM QUALITY GI PIPES WITH GI FITTINGS AND CLAMPS INCLUDING CUTTING AND MAKING GOOD THE WALLS WHERE EVER NECESSARY ETC. INCLUDING COST ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE : 32MM DIA GI PIPE	2.000	M	301.94	603.88
102	310000784	PROVIDING AND FIXING MEDIUM QUALITY GI PIPES WITH GI FITTINGS AND CLAMPS INCLUDING CUTTING AND MAKING GOOD THE WALLS WHERE EVER NECESSARY ETC. INCLUDING COST ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE : 40MM DIA GI PIPE	5.000	M	338.90	1,694.50
103	310000785	PROVIDING AND FIXING MEDIUM QUALITY GI PIPES WITH GI FITTINGS AND CLAMPS INCLUDING CUTTING AND MAKING GOOD THE WALLS WHERE EVER NECESSARY ETC. INCLUDING COST ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE : 80 MM DIA GI PIPE	5.000	M	706.61	3,533.05
104	310000786	REMOVING THE LEAD & SPUN YARNS ETC. FROM THE DAMAGED LEAD JOINTS AND JOINING THE CI PIPES AND SPECIALS WITH MOLTEN LEAD USING THE LEAD OBTAINED FROM THE DAMAGED JOINTS AND ADDING THE EXTRA QUANTITY OF LEAD AND YARN AND AS REQUIRED, CAULKING AND TESTING THE JOINT FOR THE LEAKAGE ETC. INCLUDING ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE AS PER SPECIFICATION AND OR AS DIRECTED BY THE ENGINEER : FOR CI PIPE LINE OF 80MM TO 250MM DIAMETRE	5.000	EA	93.12	465.60
105	310000787	REMOVING, REFIXING AFTER REPAIRING THE BALL	100.000	EA	94.30	9,430.00



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		VALVE OF 15 OR 25MM DIAMETRE FOR PROPER FUNCTIONING INCLUDING COST OF NECESSARY WASHER,LABOUR ETC. COMPLETE.				
106	310000788	CLEANING OF VALVE CHAMBERS IN WATER SUPPLY LINES INCLUDING TOOLS,LABOUR ETC. COMPLETE AND DISPOSING THE DEBRIS WITHIN A LEAD OF 50 M.	40.000	EA	23.19	927.60
107	310000789	REPLACING TAP WASHERS BY REMOVING AND REFIXING THE TAP INCLUDING COST OF WASHERS,TOOLS,LABOUR ETC. COMPLETE.	150.000	EA	12.94	1,941.00
108	310000790	PROVIDING AND FIXING IN POSITION 100MM DIA CP BRASS SHOWER ROSE WITH 15 MM INLET OF APPROVED QUALITY INCLUDING COST OF ALL THE MATERIALS AND LABOUR COMPLETE.	15.000	EA	101.25	1,518.75
109	310000791	PROVIDING AND FIXING WHITE VITREOUS CHINA WATER CLOSET SQUATTING PAN (INDIAN TYPE) ORISSA PATTERN WC PAN OF SIZE:580MM X 440 MM INCLUDING COST OF ALL MATERIALS,TOOLS,PLANT & LABOUR COMPLETE.	4.000	EA	2,078.93	8,315.72
110	310000792	PROVIDING AND FIXING WHITE VITREOUS CHINA PEDASTAL TYPE (EUROPEAN TYPE/WASH DOWN TYPE) WATER CLOSET INCLUDING COST OF ALL MATERIALS,TOOLS,PLANT & LABOUR COMPLETE.	1.000	EA	1,614.91	1,614.91
111	310000793	PROVIDING AND FIXING PLASTIC SEAT WITH LID FOR PEDASTAL TYPE WC PAN WITH CP BRASS HINGES,RUBBER BUFFERS ETC. REMOVING THE OLD ONE INCLUDING COST OF ALL MATERIALS,TOOLS,LABOUR COMPLETE.	2.000	EA	630.81	1,261.62
112	310000794	PROVIDING AND FIXING WHITE VITREOUS CHINA WASH BASIN FLAT BACK OF SIZE:550MM X 400MM INCLUDING MAKING ALL CONNECTIONS BUT EXCLUDING THE COST OF FITTINGS,INCLUDING COST OF MATERIALS,TOOLS,PLANT & LABOUR COMPLETE.	2.000	EA	1,538.98	3,077.96
113	310000795	PROVIDING AND FIXING WHITE GLAZED VETRIOUS KITCHEN SINK OF SIZE:600MM X 450 MM X 250MM INCLUDING MAKING ALL CONNECTIONS BUT EXCLUDING COST OF FITTINGS INCLUDING COST OF ALL MATERIALS,TOOLS,PLANT & LABOUR COMPLETE.	1.000	EA	2,835.97	2,835.97
114	310000796	PROVIDING AND FIXING 600X 450MM BEVELLED EDGE MIRROR OF SUPERIOR GLASS OF APPROVED QUALITY WITH 6MM THICK ASBESTOS SHEET BACK GROUND FIXED TO WOODEN CLEATS WITH CP BRASS SCREWS AND WASHERS REMOVING THE OLD ONE INCLUDING ALL MATERIALS TOOLS,LABOUR ETC. COMPLETE.	10.000	EA	672.67	6,726.70
115	310000797	PROVIDING AND FIXING CP BRASS TOWER RAIL WITH CP BRASS BRACKETS AND GUIDE RAIL FIXED TO WOODEN CLEATS WITH CP BRASS SCREWS INCLUDING COST OF ALL MATERIALS,TOOLS,LABOUR ETC COMPLETE : 600 X 20MM SIZE	2.000	EA	255.14	510.28
116	310000798	PROVIDING AND FIXING IN POSITION 10 LTRS CAPACITY PVC LOW LEVEL FLUSHING CISTERN OF APPROVED MAKE WITH ALL FITTINGS IN TOILET	2.000	EA	2,251.03	4,502.06



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		BLOCKS INCLUDING COST ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.				
117	310000799	PROVIDING AND FIXING GI CHAIN WITH GI PULL OF APPROVED QUALITY INCLUDING COST OF ALL MATERIAL,TOOLS,LABOUR ETC. COMPLETE.	5.000	EA	37.70	188.50
118	310000800	PROVIDING AND FIXING 32MM DIA CP BRASS WASTE FOR SINK OR WASH BASIN OF APPROVED QUALITY INCLUDING COST OF ALL MATERIALS,LABOUR,TOOLS ETC. COMPLETE.	5.000	EA	136.04	680.20
119	310000801	PROVIDING AND FIXING 100MM DIA GRATING FOR GULLY,FLOOR OR NAHANI TRAP OF APPROVED QUALITY INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : SAND CAST IRON	10.000	EA	19.00	190.00
120	310000802	PROVIDING AND FIXING 100MM DIA GRATING FOR GULLY,FLOOR OR NAHANI TRAP OF APPROVED QUALITY INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE : CP BRASS	10.000	EA	44.13	441.30
121	310000803	PROVIDING AND FIXING 32MM OR 40MM PVC WASTE PIPE FOR WASH BASIN OR SINK OR URINAL OF APPROVED QUALITY INCLUDING ALL MATERIALS,TOOLS,LABOUR ETC. COMPLETE.	25.000	EA	113.24	2,831.00
122	310000804	PROVIDING AND FIXING CI BRACKETS OF APPROVED QUALITY FOR WASH BASINS,SINKS ETC.INCLUDING ALL MATERIALS TOOLS,LABOUR ETC. COMPLETE.	5.000	PAA	139.72	698.60
123	310000805	SUPPLYING ANND LAYING GLAZED STONE-WARE PIPES CLASS "A" AND JOINTING WITH STIFF MIXTURE OF CEMENT MORTAR IN THE PROPORTION OF 1 : 1 REMOVING THE OLD PIPES INCLUDING ALL MATERIALS TOOLS AND LABOUR ETC.COMPLETE : 100MM DIA PIPE	60.000	M	105.69	6,341.40
124	310000806	SUPPLYING ANND LAYING GLAZED STONE-WARE PIPES CLASS "A" AND JOINTING WITH STIFF MIXTURE OF CEMENT MORTAR IN THE PROPORTION OF 1 : 1 REMOVING THE OLD PIPES INCLUDING ALL MATERIALS TOOLS AND LABOUR ETC. COMPLETE : 150MM DIA PIPE	60.000	M	220.63	13,237.80
125	310000807	SUPPLYING ANND LAYING GLAZED STONE-WARE PIPES CLASS "A" AND JOINTING WITH STIFF MIXTURE OF CEMENT MORTAR IN THE PROPORTION OF 1 : 1 REMOVING THE OLD PIPES INCLUDING ALL MATERIALS TOOLS AND LABOUR ETC.COMPLETE : 200MM DIA PIPE	8.000	M	454.65	3,637.20
126	310000808	RECTIFICATION OF FLUSHING CISTERNs OF ALL SIZES BY SETTING SIZES BY SETTING ITS PARTS FOR PROPER FUNCTIONING OF THE SAME INCLUDING REPLACEMENT OF WASHERS ETC. COMPLETE.	100.000	EA	152.87	15,287.00
127	310000809	SUPPLYING AND PAINTING ONE COAT WITH BLACK ANTICORROSSIVE BITUMASTIC PAINT OF APPROVED BRAND AND MANUFACTURE TO GIVE AN EVEN SHADE INSIDE THE MS OVERHEAD WATER TANKS INCLUDING ALL MATERIALS,TOOLS AND LABOUR COMPLETE.	40.000	M2	24.97	998.80
128	310000810	EMPTYING CLEANING,BROOMING AND DISINFECTING WITH BLEACHING POWDER THE OVER HEAD TANKS OVER THE BUILDINGS/OHT/OGST AS PER THE	100.000	EA	83.17	8,317.00



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		DIRECTIONS OF THE ENGINEER INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : OVER PUBLIC BUILDINGS				
129	310000811	EMPTYING CLEANING,BROOMING AND DISINFECTING WITH BLEACHING POWDER THE OVER HEAD TANKS OVER THE BLDG.S/OHT/OGST AS PER THE DIRECTIONS OF THE ENGINEER INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : OVER THE RESIDENTIAL BLDG.S	700.000	EA	79.36	55,552.00
130	310000812	EMPTYING CLEANING,BROOMING AND DISINFECTING WITH BLEACHING POWDER THE OVER HEAD TANKS OVER THE BUILDINGS/OHT/OGST AS PER THE DIRECTIONS OF THE ENGINEER INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : OVERHEAD WATER TANK (APPROX. CAP 175 CUM)	4.000	EA	790.38	3,161.52
131	310000813	EMPTYING CLEANING,BROOMING AND DISINFECTING WITH BLEACHING POWDER THE OVER HEAD TANKS OVER THE BUILDINGS/OHT/OGST AS PER THE DIRECTIONS OF THE ENGINEER INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : HILL TOP WTR. TANK	4.000	EA	996.99	3,987.96
132	310000814	EMPTYING CLEANING,BROOMING AND DISINFECTING WITH BLEACHING POWDER THE OVER HEAD TANKS OVER THE BUILDINGS/OHT/OGST AS PER THE DIRECTIONS OF THE ENGINEER INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : ON GROUND WATER TANKS'(APPROX. CAP. 400 CUM).	10.000	EA	1,925.18	19,251.80
133	310000815	EMPTYING CLEANING,BROOMING AND DISINFECTING WITH BLEACHING POWDER THE OVER HEAD TANKS OVER THE BUILDINGS/OHT/OGST AS PER THE DIRECTIONS OF THE ENGINEER INCLUDING COST OF ALL MATERIALS,TOOLS AND LABOUR COMPLETE : ON GROUND WATER TANK CAPACITY 280 CU.M.	4.000	EA	1,390.46	5,561.84
134	310000816	PROVIDING,FIXING PVC CONNECTION 15MM X 450MM WITH BOTH SIDE BRASS CHECK NUTS AND WASHERS OF APPROVED QUALITY INCLUDING ALL TOOLS,MATERIALS,LABOUR,ETC.,COMPLETE.	20.000	EA	81.17	1,623.40
135	310000817	PROVIDING AND FIXING LEAD VALVELESS SYPHON (WONDER FLUSH) UNIT IN PLACE OF OLD ONE INCLUDING COST AND CONVEYANCE OF ALL TOOLS,MATERIALS,LABOUR ETC.,COMPLETE.	4.000	EA	1,279.52	5,118.08
136	310000818	PROVIDING AND FIXING SAND CAST IRON SOIL WASTE AND VENT PIPE ETC.,AS PER ISI INCLUDING LEAD CAULKING JOINTS ETC.,AND INCLUDING COST OF ALL MATERIALS,TOOLS,PLANT AND LABOUR ETC.,COMPLETE-FOR 100MM DIA	20.000	EA	558.24	11,164.80
137	310000819	MECHANICAL TRANSPORT OF BUILDING MATERIAL,DEBRIS ETC. INCLUDING COLLECTION OF THE SAME FROM DIFFERENT GARBAGE BINS AND OTHER SCATTERED AREAS,ALONG THE DRAINS,LOADING AND UNLOADING AND DISPOSAL	490.000	M3	154.00	75,460.00



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		UPTO 2 KM LEAD AS DIRECTED BY THE ENGINEER (THE JOB IS TO BE CARRIED OUT ONCE IN A FORTNIGHT. VOLUME OF CARRIAGE WILL BE THE BASIS FOR PAYMENT). NOTE: 40% SHALL BE DEDUCTED FROM MEASURED VOLUME TOWARDS VOIDS FOR PURPOSE OF PAYMENT).				
138	310000820	RECTIFICATION OF BARBED WIRE FENCING BY STRAIGHTENING THE EXISTING LOOSE BARBED WIRE AND FIXING PROPERLY IN POSITION TO THE EXISTING PARTS BY TYING WITH GI WIRE IF NECESSARY INCLUDING COST OF GI WIRE,TOOLS,LABOUR ETC. COMPLETE.	1,000.000	M	2.17	2,170.00
139	310000821	SUPPLYING AND FIXING IN POSITION G I BARBED WIRE 12 GAUGE 2 PLY 4 PIN THICK SET OF BARBS (100 RMT. WEIGHS 9.38 KG. MINIMUM) FITTED AND FIXING WITH GI BINDING WIRE IN TIGHT POSITION TO MS ANGLE POST OR CONCRETE FENCING POST INCLUDING ALL MATERIALS,TOOLS AND LABOUR COMPLETE.	500.000	M	7.30	3,650.00
140	310000822	EXCAVATION OF SNAKE PITs/ANT HILLS UPTO 0.60 METERS DEPTH OR AS REQUIRED FROM THE GROUND LEVEL INCLUDING DISPOSAL OF THE DEBRIS UPTO A LEAD OF 100M AS DIRECTED BY THE ENGINEER INCLUDING ALL TOOLS AND LABOUR COMPLETE : SMALL (HEIGHT UPTO 0.5 MTRS.) FROM GROUND LEVEL	25.000	EA	139.82	3,495.50
141	310000823	EXCAVATION OF SNAKE PITs/ANT HILLS UPTO 0.60 METERS DEPTH OR AS REQUIRED FROM THE GROUND LEVEL INCLUDING DISPOSAL OF THE DEBRIS UPTO A LEAD OF 100M AS DIRECTED BY THE ENGINEER INCLUDING ALL TOOLS AND LABOUR COMPLETE : BIG (HEIGHT MORE THAN 0.5MTRS FROM GROUND LEVEL).	25.000	EA	167.79	4,194.75
142	310000824	CUTTING AND TRIMMING OF BRANCHES OF TREES OBSTRUCTING THE ELECTRICAL OVERHEAD LINES AS REQUIRED INCLUDING THE DISPOSAL OF CUT MATERIAL UPTO A DISTANCE OF 50MT COMPLETE AS DIRECTED BY THE ENGINEER (UNIT SHALL BE EACH TREE)	400.000	EA	23.78	9,512.00
143	310000825	CLEANING THE ROAD SURFACE WITH WIRE BRUSH/BROOMS AS DIRECTED BY THE ENGINEER INCLUDING ALL TOOLS AND LABOUR COMPLETE.	5,000.000	M2	0.52	2,600.00
144	310000826	CLEANING THE EXISTING DRAINS,REMOVAL OF SILT,DEBRIS ETC. AND DISPOSING THE SAME WITHIN A LEAD OF 3 KM AS DIRECTED BY THE ENGINEER INCLUDING ALL TOOLS AND LABOUR COMPLETE : FOR DRAINS UPTO 0.5MT BOTTOM WIDTH.	12,840.000	M	3.25	41,730.00
145	310000827	CLEANING THE EXISTING DRAINS,REMOVAL OF SILT,DEBRIS ETC. AND DISPOSING THE SAME WITHIN A LEAD OF 3 KM AS DIRECTED BY THE ENGINEER INCLUDING ALL TOOLS AND LABOUR COMPLETE : FOR DRAINS ABOVE 0.5 MT ANDBELOW 1.00 MT BOTTOM WIDTH	2,200.000	M	4.52	9,944.00
146	310000828	CLEANING THE EXISTING DRAINS,REMOVAL OF	1,400.000	M	13.61	19,054.00



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		SILT,DEBRIS ETC. AND DISPOSING THE SAME WITHIN A LEAD OF 3 KM AS DIRECTED BY THE ENGINEER INCLUDING ALL TOOLS AND LABOUR COMPLETE : FOR DRAINS ABOVE ONE METRE AND BELOW 2.5 MT. BOTTOM WIDTH				
147	310000829	PROVIDING AND FIXING OF ANCHOR BOLTS BY WELDING TO THE EXISTING REINFORCEMENT TO THE CORRECT LEVEL AND ALIGNMENT INCLUDING COST AND CONVEYANCE OF ALL MATERIALS,TOOLS,LABOUR,ETC.,COMPLETE. (ANCHOR WILL BE ISSUED AT FREE OF COST FOR WAGON HAULING TRACK.)	100.000	EA	25.16	2,516.00
148	310000830	REMOVING OF CHOCKAGE/BLOCKAGE IN FECAL/SEWER LINES OF ALL DIAMETRES AS DIRECTED BY THE ENGINEER WITH ALL TOOLS AND LABOUR COMPLETE. UNIT OF MEASUREMENT IS FROM MAN HOLE TO MAN HOLE OR TOILET BLOCK TO MANHOLE CONSIDERED AS ONE NUMBER (ANY DAMAGE CAUSED TO THE EXISTING SYSTEM SHOULD BE MADE GOOD BY THE CONTRACTOR AT HIS OWN COST)	150.000	EA	232.40	34,860.00
149	310000831	CLEANING OF MAN HOLES OF ALL SIZES AND DEPTHS INCLUDING REMOVAL OF RUBBISH/NIGHT SOIL DISPOSAL OF THE SAME AS DIRECTED BY THE ENGINEER INCLUDING ALL TOOLS AND LABOUR COMPLETE (TRANSPORTATION OF ABOVE MATERIAL WILL BE AT THE COST OF CONTRACTOR)	150.000	EA	68.27	10,240.50
150	310000832	CLEANING OF CHOCKAGE IN GULLY TRAPS,FLOOR TRAPS/WASH BASIN PIPE/SINK PIPE ETC INCLUDING ALL TOOLS AND LABOUR COMPLETE	120.000	EA	16.04	1,924.80
151	310000833	DISPOSAL OF DEAD ANIMALS LIKE COW/BUFFALO/OX/DONKEY/PIG ETC REMOVAL FROM VSP AREA TO THE FAR-OFF PLACE AS DIRECTED BY THE ENGINEER : SMALL CREATURES LIKE RATS,SQUIRRELS,ETC	30.000	EA	44.24	1,327.20
152	310000834	DISPOSAL OF DEAD ANIMALS LIKE COW/BUFFALO/OX/DONKEY/PIG ETC REMOVAL FROM VSP AREA TO THE FAR-OFF PLACE AS DIRECTED BY THE ENGINEER : SMALL ANIMALS LIKE DOGS/CATS,FOXES AND RABITS,ETC	30.000	EA	165.93	4,977.90
153	310000835	DISPOSAL OF DEAD ANIMALS LIKE COW/BUFFALO/OX/DONKEY/PIG ETC REMOVAL FROM VSP AREA TO THE FAR-OFF PLACE AS DIRECTED BY THE ENGINEER : BIG ANIMALS LIKE COW,OX,BUFFALO	2.000	EA	663.85	1,327.70
154	310000836	PROVIDING FOGGING WITH FOGGING MACHINE INSIDE THE TOWNSHIP AREA AND PLANT AREA INCLUDING COST OF MATERIALS LIKE MALATHION,KEROSIN,PETROL,BATTERYS,ALL MATERIALS,TOOLS,TACKLES ETC.,COMPLETE (UNIT IS PER ONE TIME)	8.000	EA	13,543.04	108,344.32
155	310000837	CLEANING AND REMOVING OF ROOF DUST AND OTHER ACCUMULATED MATERIALS,INCLUDING HEAPS OVER	7,500.000	M2	6.26	46,950.00





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		RCC FLAT ROOFS OF DIFFERENT BUILDING OF THE PLANT AT ALL HEIGHTS INCLUDING LOWERING DOWN TO A SUITABLE PLACE WITH IN 50 MTS ETC.,COMPLETE.				
156	310001067	SUPPLYING AND PLACING CEMENT CONCRETE GROUT OF GRADE OF 1:1.5:3 AS SPECIFIED BY USING 10 MM DOWN GRADED STONE AGGREGATE IN COLUMN BASES, MACHINE BASES,FOUNDATION TOP HOLES, POCKETS, ETC., MIXING,PLACING,COMPACTING AND CURING ALL MATERIALS, TOOLS AND LABOUR COMPLETE.	2.000	M3	4,443.98	8,887.96
157	310001068	FLUSH POINTING WITH CEMENT MORTAR (1:3) MIXED WITH 2% INTEGRAL WATER PROOFING COMPOUND BY WEIGHT FOR FLAT TILE BRICKS INCLUDING RACKING JOINTS AND THE DISPOSAL OF RUBBISH WITHIN A LEAD OF 50 MTS. INCLUDING COST AND CONVEYANCE OF ALL TOOLS, MATERIALS, LABOUR ETC. COMPLETE.	100.000	M2	21.00	2,100.00
158	310001069	SUPPLYING AND LAYING GLAZED TILES OF ANY COLOUR OF MINIMUM THICKNESS 5.5MM IN FLOORING /SKIRTING LAID ON A BED OF 10MM THICK CEMENT MORTAR 1:3 (1 CEMENT,3COARSE SAND) FINISHED WITH FLUSH POINTED IN WHITE CEMENT AT ALL HEIGHTS AND DESCENTS INCLUDING ALL MATERIALS,TOOLS AND LABOUR COMPLETE.	50.000	M2	1,000.08	50,004.00
159	310001070	PROVIDING FLOOR PAINTING WITH SYNTHETIC ENAMEL PAINT OF TWO COATS APPROVED QUALITY TO GIVE EVEN SHADE INCLUDING COST AND CONVEYANCE OF ALL MATERIALS, TOOLS, LABOUR ETC. COMPLETE.	50.000	M2	59.14	2,957.00
160	310001071	LETTERING WITH SYNTHETIC ENAMEL PAINT ALL BOARDS AND CURVED SURFACES AT ALL HEIGHTS AND DEPTHS ABOVE AND BELOW GROUND LEVEL INCLUDING ALL SCAFFOLDINGS,TOOLS,PAINT,LABOUR,BRUSHES ETC., COMPLETE.	100.000	M2	225.19	22,519.00
161	310001073	PROVIDING AND FIXING CLOSE FITTING ADJUSTABLE RIDGES IN AC SHEET ROOFING INCLUDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE.	10.000	M2	619.91	6,199.10
162	310001074	CLOSING PATCHES IN GI & AC SHEETS ROOFING AND CLADDING WORK AT ALL HEIGHTS ABOVE PLINTH LEVEL WITH BITUMEN FELT OF 100MM X 100MM OR AS SPECIFIED BY THE ENGINEER INCLUDING NECESSARY SCAFFOLDING ALL MATERIALS, TOOLS AND LABOUR COMPLETE.	150.000	EA	30.36	4,554.00
163	310001075	REPAIRS TO MS WATER PIPE LINE OF 150MM DIAMETRE BY CUTTING AND REMOVING THE DAMAGED PIPES AND REPLACING THE SAME WITH NEW PIPE INCLUDING CUTTING, FABRICATION OF BENDS IF NECESSARY AND WELDING TO MATCH THE EXISTING LINE EITHER BELOW GROUND OR ABOVE GROUND INCLUDING COST AND CONVEYANCE OF ALL MATERIALS, TOOLS, PLANT, LABOUR ETC. COMPLETE AND DAMAGED PIPES IS TO	100.000	M	42.00	4,200.00



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		BE RETURNED TO STORES.(ADDITIONAL PIPE AND WELDING SET SHALL BE ISSUED DEPARTMENTALLY AT FREE OF COST AND TRANSPORTATION HAS TO BE ARRANGED BY THE AGENCY).				
164	310001076	PROVIDING AND LAYING CEMENT CONCRETE 1 : 5 : 10 USING 40MM METAL AROUND SW PIPES INCLUDING ALL MATERIALS, CURING, TOOLS AND LABOUR COMPLETE : 150MM DIA SW PIPES	10.000	M	238.24	2,382.40
165	310001077	PROVIDING AND LAYING CEMENT CONCRETE 1 : 5 : 10 USING 40MM METAL AROUND SW PIPES INCLUDING ALL MATERIALS, CURING, TOOLS AND LABOUR COMPLETE : 100MM DIA SW PIPES.	10.000	M	290.93	2,909.30
166	310001078	PROVIDING AND LAYING CEMENT CONCRETE 1 : 5 : 10 USING 40MM METAL AROUND SW PIPES INCLUDING ALL MATERIALS, CURING, TOOLS AND LABOUR COMPLETE : 200MM DIA SW PIPES.	10.000	M	423.32	4,233.20
167	310001079	CLEANING THE QUARTERS OF ALL TYPES INCLUDING TOILETS, WASHING WITH WATER, REMOVAL OF COBWEBS, DUSTING THE WALLS, DOORS AND WINDOWS CLEANING THE DOORS AND WINDOWS, CLEANING THE SURROUNDINGS UPTO A DISTANCE OF 5 MT APPROX. ALL ROUND THE QUARTER ETC. INCLUDING ALL TOOLS AND LABOUR COMPLETE.	50.000	EA	105.79	5,289.50
168	310001080	SUPPLYING AND STACKING OF MOORUM AT SITE INCLUDING TRANSPORTING TO DIFFERENT SITES ETC., COMPLETE. (GOOD EARTH MEASURED IN STACKS WILL BE REDUCED BY 20% FOR PAYMENT).	50.000	M3	261.83	13,091.50
169	310001081	PROVIDING AND FIXING POLISHED CUDDAPAH SLAB KITCHEN SINK OF SIZE:550X400X150MM INCLUDING MAKING ALL CONNECTIONS EXCLUDING COST OF FITTINGS, REMOVING THE OLD ONE, INCLUDING COST OF ALL MATERIALS, TOOLS AND LABOUR COMPLETE.	20.000	EA	802.42	16,048.40
170	310001082	REPAIRS TO BT ROAD IN FILLING UP POT HOLES AND MAKING UP THE DEPRESSIONS TO CORRECT LEVEL WITH SUPPLY AND LAYING 40MM AND DOWN GRADED HARD GRANITE PRE-COATED WITH BITUMEN 1.59KG/0.028 CUM OF METAL AND LAYING OVER A TACK COAT OF 7.5 KG OF BITUMEN PER 10 SQM, SECTIONING TO PROPER CAMBER AND CONSOLIDATING WITH POWER ROLLER, PICKING AND BRUSHING, DUSTING SURFACE ETC.ALL MATERIALS,TOOLS AND LABOUR COMPLETE.	7.000	M3	2,384.65	16,692.55
171	310001083	PROVIDING AND LAYING NON-PRESSURE NP-2 CLASS (LIGHT DUTY) RCC PIPES WITH COLLARS JOINTED WITH STIFF MIXTURE OF CEMENT MORTAR IN THE PROPORTION OF 1:2 ( 1CEMENT : 2 FINE SAND) INCLUDING ALL MATERIALS, TOOLS, PLANT AND LABOUR COMPLETE.	7.000	M	758.51	5,309.57
<b>Total Value: In words :</b> thirteen lakh forty six thousand five hundred six rupees seventy eight paise						1,346,506.78