



INTERNATIONAL ADVANCED RESEARCH CENTRE FOR  
POWDER METALLURGY AND NEW MATERIALS (ARCI),  
Balapur PO, R.R. District, Hyderabad – 500 005, India  
Tel: 040-244523326 Fax: 040-24442699  
Web Site: [www.arci.res.in](http://www.arci.res.in) E-mail : stores@arci.res.in

Tender No. SC20190122/WO

Date: 10.10.2019

**e-TENDER DOCUMENT**

**ANNUAL MAINTENANCE RATE CONTRACT AND MINOR CIVIL WORKS AT  
ARCI, HYDERABAD**

1.	Earnest Money Deposit/Bid Security	<b>Rs. 1,25,000/-</b>
2.	Tender value (approx.)	<b>Approximately Rs. 50 Lakhs per annum (Inclusive of GST)</b>
3.	e-Tender document published date	<b>10.10.2019</b>
4.	Bid documents can be accessed from	<a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> <a href="http://www.arci.res.in">www.arci.res.in</a>
5.	Clarification start date and end date	<b>11.10.2019 to 18.10.2019</b>
6.	Bid submission start date and time	<b>21.10.2019 from 9:00 AM onwards</b>
7.	Bid submission end date and time	<b>18.11.2019 before 3.30 PM</b>
8.	Online Bids opening date and time (for cover 1)	<b>21.11.2019 at 11:00 AM (Thursday)</b>
9.	Mode of Tender	<b>eProcurement (Online)</b> <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>
10.	Bid Submission	<b>Cover 1: EMD (Online and Offline) Cover 2: Technical Bid (Online and Offline) Cover 3: Commercial Bid (Online ONLY)</b>



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**Instructions to Bidders**

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## **NOTICE FOR INVITING OPEN E-TENDER**

1. International Advanced Research Centre for Powder Metallurgy and New Materials (henceforth referred to as ARCI) is an Autonomous Research and Development Centre of Department of Science and Technology (DST), Government of India with main campus at Hyderabad and with operations in Chennai and Gurugram.
2. AMC works to be provided at: International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI)  
RCI Road, Opp. Balapur Village  
Hyderabad – 500005  
Phone No: 040-24452376, 24452319  
Fax: 040-24442699  
Email : [stores@arci.res.in](mailto:stores@arci.res.in)
3. **NAME OF THE WORK: ANNUAL MAINTENANCE RATE CONTRACT AND MINOR CIVIL WORKS AT ARCI, HYDERABAD.**
4. **Tender Enquiry No: (Case No.) SC20190122/WO Dated: 10.10.2019**
5. EMD for Rs. 1,25,000/- (Rs. One Lakh Twenty Five Thousand only) should be in the form of Demand Draft drawn in favour of **Director, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) payable at Hyderabad.**
6. Last date and time of submission of Tender online (EMD, Technical bid, and Price bid): **18.11.2019 before 3:30 PM.**
7. **Annual Maintenance Rate Contract for Civil Works / Service Period:** The term of agreement / purchase order / work order for Annual Maintenance Rate Contract and Minor Civil Works shall be initially for a period of one year. If the services are found to be satisfactory, the contract may be extended for additional years (one year at a time) on mutual consultation by both the parties on the terms and conditions mutually agreed to.
8. **The contractor has to submit the rates for the BoQ items (Part A) in Financial Bid (Cover 3) and additional items (Annexure II, Part B) in Technical Bid (Cover2).**
9. **The contract / service provider / successful bidder (L1) will be decided based on the price quoted for BOQ (Part A).  
Part B (Annexure II) items will be operated as per requirement.**
10. **The contractor shall not be entitled to any price escalation for the rate contract items/works/services during the tenure of the contract (one year), i.e. on any statutory account, except GST.**

11. Contractors are invited to submit their most competitive ONLINE quotation through CPP Portal (Central Public Procurement Portal) website <https://eprocure.gov.in> on or before the prescribed due date. Manual bids shall not be accepted except for the original documents, if any mentioned in this tender.
12. Complete tender can be viewed and submitted through <https://eprocure.gov.in/eprocure/app>. To use the Electronic tender portal <https://eprocure.gov.in/eprocure/app> the bidders need to register on the portal.
13. **Validity of Bid:** Quotation should have minimum validity of **120 days** from the date of opening.
14. **Bid Submission:**

**Earnest Money Deposit (COVER 1):** Bidder shall select the payment option as offline to pay the EMD and enter details of the demand draft/ Banker's Cheque, etc. Apart from uploading the scanned documents of EMD in cover-1, Original Proof of payment of EMD to be submitted in a sealed envelope super scribed as COVER-1 with following information:

  - Tender Reference No. SC20190122/WO
  - Type of bid: EMD (COVER-1)
  - Tender Due Date & Time: 18.11.2019, IST 15:30 hrs
  - Bidder name and address with e-mail ID & contact details

**Technical Bid (COVER 2):** Technical bid shall not be opened if the bidder fails to submit Earnest Money Deposit in Cover-1 (online & off-line). Apart from uploading the **Technical bid and rates for additional items (Part B, Annexure II)** in cover-2, the original certified and signed copies of the uploaded documents to be submitted in a sealed envelope super scribed as COVER-2 with following information:

  - Tender Reference No. SC20190122/WO
  - Type of bid: TECHNICAL (COVER-2)
  - Tender Due Date & Time: 18.11.2019, IST 15:30 hrs
  - Bidder name and address with e-mail ID & contact details
  - **Item rates in Part B (Annexure II) (Which will not be considered for determining the L1)**

**Both the Cover 1 and Cover 2 shall be submitted in a sealed envelope super scribed the Tender No. SC20190122/WO due date on 18.11.2019 along with the name of the work and the same should reach the address International Advanced Research Centre for Powder Metallurgy and New Materials, Balapur Post, Hyderabad - 500 005, Telangana on or before 18.11.2019.**

**Price Bid (COVER 3):** Price bid (BoQ - Part A) to be uploaded **ONLINE only** in COVER-3 and no other mode of submission is acceptable.
15. All the tenders, in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.

**Clarification on bid:** Bidders can seek clarification as per the schedule start and end date through email IDs given below:

- For technical clarifications : [vbalajirao@arci.res.in](mailto:vbalajirao@arci.res.in), [prkreddy@arci.res.in](mailto:prkreddy@arci.res.in)
- For commercial clarifications : [stores@arci.res.in](mailto:stores@arci.res.in)

**Opening of the tender:**

- Only the Technical bid shall be opened online on the date of the tender opening. Price bids of only those firms will be considered for opening whose offer would meet all tender requirements including compliance to technical specifications and has passed all tender conditions, technical evaluation and eligibility criteria.
- After opening of the price bid (Part A), detailed comparative statement will be generated online and the finalization of successful bidder will be decided on L-1 (lowest price) for the BOQ (Part A) as per CPP Portal.

16. **Award of Contract:** Contract will be awarded to successful bidder and a copy of the award of the contract will be uploaded in CPP portal after finalizing the tender.

17. **Disqualification of tenders:** The tenders are liable for rejection in the following circumstances.

- Not meeting the eligibility criteria
- If they are not in line with the terms and conditions of this tender notice
- Conditional quotations
- Incomplete tenders
- Tenders without EMD
- Tenders submitted through Fax or e-mail
- If two bid system is not followed
- The bidder shall quote all the charges/prices as per the tender requirement. If any firm quotes nil/consideration, the bid shall be treated as **unresponsive bid and will not be considered. Zero/null prices will not be considered for commercial evaluation and summarily be rejected. In this the decision of Director, ARCI will be final, without assigning any reason.**

18. Director, ARCI reserves the right to accept or reject any or all tenders either in part or in full or to split the order without assigning any reasons there for.

**IMPORTANT NOTE: Amendment, Corrigendum if any to this tender document, WILL BE HOSTED ONLY IN ARCI WEBSITE and CPP Portal and no separate Press Notification will be issued. Bidders are advised to visit our website and CPP Portal regularly to know such details.**

**Director, ARCI, Hyderabad**

**SPECIAL INSTRUCTIONS FOR ONLINE BID SUBMISSION:**

Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal fore-Procurement are at <https://eprocure.gov.in/eprocure/app>. The bidders must carefully follow the instructions.

- Possession of valid Digital Signature Certificate (DSC) and enrolment/registration of the contractors/bidders on the e-procurement/e-tender portal is a prerequisite for e-tendering.
- Bidder should do the enrolment in the e-Procurement site using the "Click here to Enroll" option available on the home page. Portal enrolment is generally free of charge. During enrolment/registration, the bidders should provide the correct/true information including valid e-mail-id. All the correspondence shall be made directly with the contractors/bidders through e-mail-id provided.
- Bidder need to login to the site through their user ID/ password chosen during enrolment/registration.
- Then the Digital Signature Certificate (Class III Certificates with signing key usage) issued by NIC/SIFY/TCS/nCode/eMudra or any Certifying Authority recognized by CCA India on e-Token / Smart Card, should be registered.
- The DSC that is registered only should be used by the bidder and should ensure safety of the same.
- Contractor / Bidder may go through the tenders published on the site and download the required tender documents/ Annexures for the tenders he/she is interested.
- After downloading / getting the tender document/ Annexures/ Appendices, the Bidder should go through them carefully and then submit the documents as asked, otherwise bid will be rejected.
- If there are any clarifications, this may be obtained online through the tender site, or through the contact details. Bidder should take into account the corrigendum / addendum published before submitting the bids online.
- Bidder then logs in to the site through the secured log in by giving the user id/ password chosen during enrolment/registration and then by giving the password of the e-Token/ Smart Card to access DSC.
- Bidder selects the tender which he/she is interested in by using the search option & then moves it to the 'my tenders' folder.

- From my tender folder, he selects the tender to view all the details indicated.
- It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidder should go through the tender Annexures, and appendices and scope of work carefully and upload the documents as called for; otherwise, the bid will be rejected.
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/ Annexure and generally, they can be in PDF/xls/rar/zip/dwf formats. If there is more than one document, they can be clubbed together and can be provided in the requested format. Each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same can be uploaded, if permitted. Bidders Bid documents may be scanned with 100 dpi with black and white option. However if the file size is less than 1 MB the transaction uploading time will be very fast.
- Bidder should take into account the corrigendum / addendum published from time to time before submitting the online bids.
- The Bidders can update well in advance, the documents such as certificates, annual report details etc., under My Space option and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time of bids.
- Bidder should submit the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission due date & time for the tender. **Scanned copy of the instrument should be uploaded as part of the offer.**
- While submitting the bids online, the bidder reads the terms & conditions and accepts the same to proceed further to submit the bid packets.
- The bidder has to select the payment option as offline to pay the EMD as applicable and enter details of the instruments.
- The details of the DD/BC, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise submitted bid will not be acceptable.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated. Bidders to note that the very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read all sections and pages of the bid document including General conditions of contract, special

conditions of contract, scope of work, BOQ specification, time frame eligible criteria without any exception and have understood the entire document and are clear about the requirements of the tender requirements.

- The bidder has to upload the relevant files required as indicated in the covered content. In case of any irrelevant files, the bid will be rejected.
- **If the price bid format is provided in a spread sheet file like BOQ\_xxxx.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Price Bid/ BOQ template must not be modified/replaced by the bidder, else the bid submitted is liable to be rejected for this tender.**
- The bidders are requested to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.
- After the bid submission (i.e after Clicking "Freeze Bid Submission" in the portal), the acknowledgement number, given by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and will also act as an entry pass to participate in the bid opening date.
- The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.
- All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.
- Any bid document that is uploaded to the server is subjected to symmetric
- encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the



tender opening by the authorized bid openers. The confidentiality of the bids is maintained since the secured Socket Layer 128 bit encryption technology is used. Data storage encryption of sensitive fields is done.

- The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
- For any queries regarding e-tendering process, the bidders are requested to contact as provided in the tender document. For any further queries, the bidders are asked to contact over phone as mentioned in the CPP website or send an email to - [cphp-nic@nic.in](mailto:cphp-nic@nic.in).

## **GENERAL INSTRUCTIONS TO TENDERER ALONG WITH ELIGIBILITY CRITERIA AND DOCUMENTS TO BE UPLOADED IN THE TECHNICAL BID COVER IN THE CPP PORTAL**

### **1. Scope of Tender:**

International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) invites Tenders for Annual Maintenance Rate Contract and Minor Civil Works at ARCI, Hyderabad (**The BoQ items (Part A) and rate for additional items (Part B) will be operated based on the site requirement decided by ARCI from time to time. For non-operated items in Part A (BoQ) and Part B (Annexure II), the contractor will not be eligible for any compensation/claim. The rates quoted should be firm for the operation period of the contract).**

### **2. Non Association / Relation:**

Should a contractor or a tenderer have a relative, employed in ARCI or in case of partnership firm or company incorporated under the Indian company act, should a partner or relative of the partner or a shareholder be employed in a responsible capacity in ARCI, the authority inviting the tender should be informed of the fact at the time of submission of tender, failing which the tender may be rejected. If such fact is suppressed at the time of tendering and comes to light at any time after acceptance of tender, the contract may be rescinded.

### **3. Pre-qualification Criteria:**

**A. General Construction Experience (Annual Turnover):** The Contractor should have achieved minimum annual value of general construction works (as certified by Chartered Accountant and at least 50% of which is from Engineering (Civil) construction works i.e Rs. 50 lakhs, carried out in any of the year over a period of 05 (five) years ending 31<sup>st</sup> March 2019. (i.e. **providing audited balance sheet along with income tax returns**)

**B. Particular Construction Experience and Key Production Rates:** The Contractors should have successfully completed *similar works* for a prominent Govt./Semi Govt./Autonomous Bodies/Corporate Bodies or Public Sector Undertaking during last 07 (seven) years ending 31<sup>st</sup> August, 2019 should have either of the following (i.e. **attach documentary proof**).

- Three similar nature of works costing not less than **Rs. 20.00 Lakhs or above**  
**or**
- Two similar nature of works costing not less than **Rs. 25.00 Lakhs or above**  
**or**
- One similar nature of work costing not less than **Rs. 40.00 Lakhs or above**

C. The contractor should be registered with any of the prominent Govt./Semi Govt./ Autonomous Bodies/ Corporate Bodies or Public Sector Undertaking

**Similar works means:** Tenderer should have successfully completed any civil Engineering work construction/Repairing works/Renovation Works/Maintenance of civil works/AMC Civil works etc.

**Note: - All above three clauses (A, B and C)) should be satisfied to qualify technically and documentary proof should be submitted. The completion certificate along with the Work order copy or Purchase order copy shall be issued by authorized official not below the rank of superintending engineer.**

**The relevant documents are:**

- a. The tenderer must be registered for GST & with other statutory Departments of Govt. of Telangana State / India and should submit the registration certificates of GST, PAN Card and any registered certificate;
- b. Total tender document enclosed each page duly signed by the tenderer as token of acceptance. If any deviation is proposed by the tenderer the same must be clearly indicated and enclosed as deviation list but tenders with significant deviations list and merely enclosing tenderer's printed conditions or their own terms and conditions will make the tender liable for rejection.
- c. Constitution of the tendering firm;
- d. List of last 07 (seven) years executed similar works for any Government /Autonomous body corporate companies along with Xerox copies of work orders / purchase orders along with completion certificates;
- e. Statement showing the turn over during the past 05 (five) years supported by balance sheets or income tax returns;
- f. Current original Solvency Certificate, minimum 40% of the estimated cost of the work which is Rs. 20 lakhs, issued from any nationalized bank.
- g. Other State/Central Government agencies registration certificate.
- h. Firm registration certificate (In case of Firm).
- i. Latest profile of the contractor.
- j. List of qualified engineers employed by the contractor.
- k. List of similar nature of AMC Civil/Civil works under taken by the tenderer presently, if any.

#### 4. Other Terms:

- A. Any person signing the tender shall submit documentary evidence that his signature on the tender, submitted by him is legally binding upon himself, his firm or company, as the case may be.
- B. The tenderer shall produce satisfactory proof that he is financially in a position to fulfill the contractual obligations offered to be undertaken by him. The tenderer shall indicate the details of his banker.
- C. The bidder should submit the scanned copy of the Technical Bid for online submission and original hard copy of all the documents must be submitted in an organized and structured manner. No brochures/leaflets etc. should be submitted in loose form. Please indicate page nos. on your quotation. The price should not be mentioned anywhere in this document.
- D. The original hard copies of Technical Bid documents (with Part B/Annexure II) along with EMD should be submitted on or before the due date. The bidder should ensure that all the technical documents submitted through online and hard copies are one and the same. If any deviation is found, the tender is liable to be rejected.**
- E. Price Bid (BoQ, Part A) should be submitted online only and no other mode of submission is acceptable.**
- F. The technical offer should be complete to indicate that all products and services asked for are quoted. Each page of the bid and strikeout/corrections shall be duly signed and stamped by the bidder. Unsigned Tenders are liable to be rejected. Failure to comply with this requirement may result in the bid being rejected.
- G. The purpose of certain specific conditions is to get or procure best product/service etc. for ARCI. The opinion of Technical Committee, duly approved by the Competent Authority (CA) shall be the guiding factor for technical short listing.
- H. Cost of Tendering:**

The Tenderer shall bear all costs associated with the preparation and submission of his Tender, and the ARCI will in no case be responsible and liable for those costs. The Tenderer, at the Tenderer's own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for AMC work at ARCI, Hyderabad. The costs of visiting the Site shall be at the Tenderer's own expense.
- I. The Tenders not accompanying with EMD and unconditional acceptance letter will be summarily rejected.

- J. **Performance Security Guarantee:** The EMD of the unsuccessful Tenderers will be discharged / returned. **The EMD of the successful Tenderer shall be returned on submission of Performance Security Guarantee of 5% of the approximated work value, i.e. Rs. 2.5 Lakhs on receipt of LOI/PO, in the form of an account payee Banker's Cheque/ Demand Draft from a Nationalized bank.**
- K. **Security Deposit/Retention Money:** **In addition to Performance Security Guarantee, the successful bidder shall deposit 5% of the approximated work value, i.e. Rs. 2.5 Lakhs separately as Security Deposit/Retention Money on receipt of LOI/PO, in the form of an account payee Banker's Cheque/ Demand Draft from a Nationalized bank. The same amount will be released after completion of contract period, by submission of ARCI completion certificate, issued by ARCI Technical group.**
- L. The EMD may be forfeited: If the Tenderer withdraws his Tender during the validity period of the Tender or in case of a successful Tenderer, if the Tenderer fails to sign the contract or furnish performance security.
- M. **Period of validity of Tender:**  
The Tender shall remain valid for a period of 120 days after the last date of the submission of Tender. A Tender valid for a shorter period, may be rejected by the ARCI as non-responsive and the EMD paid along with it will be forfeited.
- N. The rates quoted by the Contractor will hold good for the entire period of work and no compensation / escalation will be paid in any circumstances on this account.
- O. Language of Tender: The document shall be written in English language. The total amount should be written in the same language.

**The following original hard copies of technical bid along with EMD and rates for additional items (Part B), should be submitted on or before due date:**

- a. Total tender document enclosed each page duly signed by the tenderer as token of acceptance. If any deviation is proposed by the tenderer the same must be clearly indicated and enclosed as deviation list, but tenders with significant deviations list and merely enclosing tenderer's printed conditions or their own terms and conditions will make the tender liable for rejection.
- b. Rates for additional items (Part B)
- c. Copy of the tenderer's price schedule but without prices.
- d. Earnest money deposit as laid down in this instructions to tenderers.
- e. Constitution of the tendering firm
- f. List of eligibility criteria documents
- g. Last seven years executed similar works for government & cooperate firms along with Xerox copies of work orders /purchase orders along with completion certificate
- h. Statement showing the turn over during the past five years supported by balance sheets or income tax returns.
- i. Current original solvency certificate from any nationalized bank for minimum 20 Lakhs.
- j. Copies of GST registration certificates and PAN card.
- k. Other State/Central Government agencies registration certificate.
- l. Firm registration certificate (In case of Firm).
- m. Latest profile of the contractor.

- n. List of qualified engineers employed by the contractor.
  - o. The contractor should have statutory government licenses for operating of pump house.
  - p. Labour Licenses from central labour authorities for providing AMC works.
  - q. Copies of dealer / group of company for minimum three years old.
- P. ARCI is not responsible for the loss of documents or for the delay in transit.
- Q. All the above documents forming of the tender shall be kept in one envelope which shall be SEALED and super-scribed with as technical bid, Technical bid -Name of work, **Tender No. SC20190122/WO** & Due on **18.11.2019** and should be addressed to:

**The Director, International Advanced Research Center for Powder Metallurgy and New Materials (ARCI), Balapur PO, RR District, Hyderabad – 500 005, Telangana**

**Note: - *Based on the technical bid qualification the commercial bid will be considered.***

**EARNEST MONEY DEPOSIT – TERMS AND CONDITIONS**

Earnest Money Deposit (EMD) for an amount of Rs. 1,25,000/- in the form of Demand Draft / Banker's Cheque Drawn in favour of **Director, International Advanced Research Centre, Payable at Hyderabad** should be submitted on or before the due date as part of Technical Bid. **Scanned copy of such document must be attached online (Cover 1) along with the technical bid documents, failing which tender document would be rejected.**

No interest is payable on EMD. The EMD will be returned to the bidders(s)/Agents whose offer is not accepted by ARCI, after the placing of the final order(s) on the selected bidder(s).

**Amount of EMD Rs. 1,25,000/- in INR (Rupees One Lakh Twenty Five Thousand Only).**

**ANNEXURE – I**  
**GENERAL & SPECIAL CONDITIONS OF**  
**CONTRACT**



## **GENERAL CONDITIONS OF CONTRACT**

- 1.0 Validity of Rate contract:** The Period of this contract is for 12 months from the date of purchase Order. The contract may be extended (one year at a time) based on satisfactorily performance of the Rate contract work/service order.
- 2.0 Delivery/Completion Period:** Depending upon the site requirement and the same will be intimated through the Rate Contract Work/Service order.
- 3.0 Delivery:** FOR ARC-International, Hyderabad
- 4.0 Price, Taxes & Duties:** The contract price should be inclusive of all applicable taxes and duties.
- 5.0 Packing, forwarding and transportation:** Packing & forwarding is included in the above price. The stores ordered shall be in packed condition in accordance with standard practice to avoid damages/losses in transit etc. Owner is not responsible for damages/losses during the transit.
- 6.0 Payment Terms:** 100% basic and applicable GST will be released after satisfactorily completion and acceptance of work/service. Bill is to be submitted for each work after execution. Payment will be released against each work within 30 days from the date of satisfactory completion and acceptance of the works. TDS as applicable under IT Act shall be deducted from the payment. ARCI reserves the right to adjust any excess /short payment made in the earlier bills, at the time of making payment for each bill.  
Computerization /typing of Detailed Measurements of bills: The detailed measurement sheets of the bills shall be prepared and submitted by the contractor for verification and certification by ARCI Staff. The computer formats of the same are as specified by ARCI Authorities. Payment will be made as per site measurements.
- 7.0 Inspection/Test Certificates:**
  - 7.1 The products supplied shall carry with them the quality control/loading tests certificate from the manufacturer /any authorized laboratory etc.
  - 7.2 Further, the owner reserves the right to get the materials inspected/tested at any recognized laboratory/test centers and if, the materials are found not to be as per specifications, the same may be rejected and the charges for testing shall be borne by the supplier (in case of rejection) for items/works.
  - 7.3 In respect of items which do not carry any test/quality reports, the Competent authority from ARC-I shall depute/assign his representative the Duty for inspection, certification and acceptance of the subject items/works at suppliers works.
  - 7.4 If ARCI requires, the catalogues of each spare should be submitted for reference. All items/components shall be carefully examined to determine their conformance with their specification with respect to material and workmanship, finish, marking, dimensions, arrangements and to assess its conformance with other requirements stated or reasonably implied and not covered by specific tests.

- 8.0 Replacement of rejected material:** On inspection/test carried out within/outside by the owner and if any material/items are found to be defective/faulty/not conforming to the specifications, the owner may reject all/part of the supplies, as deemed fit. The contractor shall replace such of the rejected material within a reasonable period/such time as may be intimated in the rejection letter, at contractor's cost.
- 9.0 Risk Purchases:** If for any reasons, except for force majeure conditions, the contractor is unable to deliver the materials ordered within the delivery period or replace the rejected quantity within allowed/permitted period, the owner reserves the right to resort to purchase of the said material from any other source. Such extra cost as may be incurred in resorting to such risk purchases shall be borne by the contractor. The purchaser also reserves the right to deduct such extra cost from any of the amounts outstanding to the suppliers credit.
- 10.0 Penalty Clause:** The owner also reserves the right to levy penalty for delayed supplies at 1% of order value per week of delay and not exceeding 10% of order value, in all except force majeure conditions and for genuine reasons for which documentary evidence should be produced.
- 11.0 Documentation for payment:**
- 11.1 1) Invoices in duplicate, users completion certificates
  - 2) Joint Site Measurement and Inspection Certificate given by ARCI.
  - 3) Delivery Challan for all items with ARCI gate entry stamp
- 12.0 Contractor's materials, transport, etc. shall normally be permitted to go out of the area between 9 AM to 5 PM only. Contractor may also be allowed to carry out the work beyond 5 PM and up to 9 AM (day and night) with special permission from the Director ARCI. However, no movement of materials and transport out of site of works shall be permitted during night or during holidays unless special permission obtained from the Director, ARCI.**
- 12.1 Immediately after acceptance of the contract, the contractor shall submit the list showing the names of the individuals, he wishes to employ in the work, with their particulars to the department for arranging the temporary pass for them up to security gate only and subsequently to inside the technical area, the contractor should submit Aadhaar card for all employees the contractor shall provide security to the supervisors.
- 13.0 Tools and Tackles:**
- 13.1 All tools and tackles required for the work including testing equipment's shall be arranged by contractor.
  - 13.2 The tenderer shall be fully responsible for arranging the supply of required tools and tackles.
- 14.0** The work shall be governed by ARCI's general conditions and security regulations of the contract from time to time.

- 15.0** The tenderer should sign in each page of tender document all the terms and conditions of the contract as a mark of his acceptance of contract. The signed tender copy has to be submitted to ARCI.
- 16.0** The submission of tender by a tenderer implies that he has read this notice and the conditions of contract and has made himself aware of the scope and specifications of the work to be done and of the conditions and rates at which stores, tools and plant etc. will be issued to him and local conditions and other factors bearing on the execution of the work.
- 17.0** No foreign exchange and import license for import of technical know-how or equipment, components, spares or materials will be arranged or provided by the ARCI. In case the offered equipment involves any foreign exchange, this shall be clearly indicated together with a statement as to how this is being arranged by the tenderer.
- 18.0** The Director, ARCI or any one or more officers authorized by him shall have the right to visit contractor's/sub contractor's premises to check the physical progress of work, inspection, etc. of the contract items or any part thereof at any time during all stages of operation & maintenance. The contractor shall extend all necessary facilities for carrying out such inspection and check of progress of work.
- 19.0** **Deviations:** Any exclusion, deviation from specification shall be clearly spelt out and listed at one place only and tenderer shall substantiate the same with appropriate reasons. In absence of the same, it will be considered that tenderer has followed the specification fully in words and spirit.
- 20.0** Any other information the tenderer feels necessary to understand the quotation in complete.
- 21.0** It is the responsibility of the successful tenderer to complete the work within the due date.
- 22.0** **Resolution of Disputes & Arbitration:** This Contract shall be governed by, and construed in accordance with the laws of India. Any dispute which cannot be amicably settled by the parties may be submitted, by one of the parties, to the International Centre for Arbitration Dispute Resolution (ICADR), Hyderabad. The dispute will be settled following the provisions of Arbitration and Conciliation Act, 2015. Both Parties agree that the results and awards of any such arbitration shall be final and binding on both Parties. Venue of Arbitration shall be Hyderabad.
- 23.0** **Risk Purchases:** The cost of repairs/rectification's necessitated due to negligence of contractors employee shall be recovered from the contractor as per assessment made by the Director, ARCI. If the contractor fails to repair/rectify the defects in installations within the time given to him, the same will be got repaired/rectified from other agency at the risk and cost of the Contractor. The decision of Director, ARCI shall be final and binding on both the parties.

## **SPECIAL CONDITIONS OF CONTRACT**

### **1.0 Contractor scope of work/ Scope of supply/works:**

The scope of work includes estimation, design of small works (i.e RCC & structural works), taking of completion certificates, satisfactory supply, fixing and removing of old items/repairs as per purchase order items at internal & external building as per ARCI staff instructions.

### **2.0 Accidents or Injury or loss or death to Workman:**

- 2.1 The Director, ARCI shall not be responsible for any injury or loss of any workers of the contractor that may take place while on work. Any compensation or expenditure towards treatment for such injury or loss of life shall be the sole responsibility of the contractor.
- 2.2 The contractor is solely responsible for any damage, injury or accident that may occur to any of his personnel working under this contract. He will not claim any compensation from the Director, ARCI.
- 2.3 The contractor shall take suitable group personal accident insurance cover for taking care of injury, damage loss, death or any other risks in respect of his engineering supervisory staff and workmen and submit the same to ARCI before starting the work.
- 2.4 The contractor has to take insurance for the labour (10 labours and more during the execution of order) deployed for execution of purchase order valued equal or above Rs. 20 Lakh where the value of insurance should be Rs. 2 lakhs per person per incident occurrence (maximum of two occurrences). Minimum value of insurance should be Rs. 4 Lakhs.
- 2.5 The contractor should obtain Workmen's compensation policy for the five members including one supervisor category plus four skilled and semi-skilled category, as per the govt. statutory norms from the nationalized insurance companies, valid during the currency of the contract.

**3.0 Warranty/Guarantee:** The contractor shall submit guarantee/warranty certificates for the bought out items for manufacturing defects & faulty material for a period of 12 months from the date of supply/works by the contractor from the OEM where applicable or on his letter head in other cases.

### **4.0 Others:**

- 4.1 ARCI reserves all rights to add, alter, modify, amend and delete the terms of the Contract suitable to the requirements.
- 4.2 Acceptance of the order may please be conveyed at the earliest failing which it will be deemed that the order is accepted.
- 4.3 This contract shall be valid for a period of 12 months without change of rates quoted in the BOQ from the date of commencement of order.
- 4.4 All items mentioned in the schedule may or may not be operated for which the contractor cannot claim any compensation.

- 4.5 All dismantled /replaced materials shall remain ARCI property and transported to the specified location in-side ARCI by the contractor.
- 4.6 Un-used (new) materials brought by contractor shall be taken back by contractor for Which ARCI will issue Non returnable gate pass.
- 4.7 In case of urgent repairs, contractor shall attend the same immediately and also report the matter immediately to the ARCI authorities. To be followed up with P.O.
- 4.8 The contractor should obtain performance/completion certificate from the end user and submit the same to concerned authority so as to enable them to issue inspection certificate for each work to the contractor.
- 4.9 The work completion will be done as per site measurement and priced as per the rates quoted in the BOQ
- 4.10 The estimation cost is for the cumulative items operated for the total are one-year rate Contract
- 4.11 The quantities/items mentioned are to arrive a rate contract for one-year validity. The rate quoted in the B.O.Q will be constant and valid for one year .
- 4.12 If market prices are varying for main items such as cement, Steel and Labour. There is no Changes in the prices of rate contract and quoted rates are firm for one year
- 4.13 If GST (i.e statutory charges) are changed same will be applicable to the rate contract.
- 4.14 The Rate contract items are used, depending up on the site conditions and requirements of ARCI during the one-year contract period.
- 4.15 The estimated cost of works/items may or may not be awarded to the contractor for which contractor cannot claim any compensation and the cumulative cost purely Depends on the site requirements

## **5.0 SITE CLEARENCE:**

Clearing the site of all rubbish, debris, tanks, materials, temporary structures, plants, bushes and grass, machinery, scaffolding and filling of all pits and handing over the site in a neat and tidy condition is the responsibility of the contractor.

## **6.0 LIQUIDATION, DEATH, BANKRUPTCY, ETC**

If the contractors dies or become insane or dissolves his firm or becomes bankrupt or insolvent or wind up the business and a receiver is appointed to take care its assets and liabilities. The owner shall be at liberty:-

- 6.1. To terminate the contract forth with up on coming to know of the happening of any such event as afore said by notice in writing to the contractor or to the receiver or liquidator or to any person on whom the contract may become vested to

Or

- 6.2. To give such receiver, liquidator or other person the option of carrying out the contract subject to his providing a guarantee up to an amount to be agreed up on by ARCI for due and faithful performance of the contractors obligation under the Performance Security Guarantee and Security Deposit/Retention Money: **The contractor shall provide 02 (two) separate Demand Draft/Bankers Cheque to the extent of Rs.2,50,000/-(Rupees Two Lakhs and Fifty thousand only) each from a Nationalized bank towards standing Performance Security Guarantee and security deposit/Retention Money valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligation.**

**7.0 No escalation:**

The contractor is not entitled to claim escalation because of market rate variations or on any account.

**8.0 Tender Price**

- 8.1 The contract shall be for the as described in tender document based on the priced Schedule of Quantities submitted by the Tenderer.
- 8.2 The tender submitted on behalf of a Firm/Company, shall be signed by a person who has the proper legal authority on behalf of the Company to enter into the contract; otherwise, the tender is liable to be rejected. Each page of the tender document and each drawing accompanying is required to be signed by the authorized person submitting the tender, affixing the Firm/company seal in token of their having examined and acquainted themselves with the contents of each page. The forms of tender are to be filled in completely. Any tender with any of the documents not duly signed is liable to be rejected.
- 8.3 The Tenderer shall fill in the rates for all items of the Works described in the Schedule of Quantities along with total Tender price.
- 8.4 All duties, taxes, and other levies payable by the Contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer. Tenderers must include in their rates, the cost of transportation of materials to site, applicable GST, Income tax, and any other taxes and duty levied by the Central / State Government. None of the above taxes & levies will be entertained separately by the ARCI and no tax exemption forms will be issued by the ARCI. All the taxes levied other than IT should be paid either directly by the contractor to the statutory authorities and challans/proof of payment with acknowledgement shall be provided by the contractor before release of the payment of next bill or shall be deducted at source. Contractor should also take a Group Insurance Policy for his Workmen, Supervisors and Engineers working on site for an adequate insurance cover. ARCI shall not be responsible for any accident or any untoward/unforeseen event involving workmen, labour, supervisor or engineer or any person directly or indirectly associated with the execution of work. The insurance policy to be obtained by the successful Tenderer must be comprehensive and shall cover all associated risks (known and unknown) from any Government Insurance Company.

- 8.5 The rates quoted in the tender shall include cost of telephone rent and call charges, for execution of work at site, hire for any tools and plants, shed for materials, marking out and transportation complete, cleaning the buildings and surroundings after execution of the total works and dumping the waste at designated place as directed by the ARCI in all respects. The rates quoted in the tender shall be treated as rates for finally completing the item of work.
- 8.6 The quantities furnished in the schedule of quantities are only probable quantities and are liable to alterations, by omission, deductions or additions to any extent at the discretion of ARCI. Payments will be regulated on the actual quantities of work done at accepted rates. Any item of work may be omitted from the schedule of quantities and may be awarded to another agency at any time / stage of the work for which no compensation will be paid by the ARCI i.e. for non-operated BOQ items and short closed BOQ items.
- 8.7 The rates and prices quoted by the Tenderer shall be fixed for the duration of the contract and shall not be subject to escalation or adjustment on any account even if the work is delayed due to unavoidable circumstances beyond the control of ARCI.
- 8.8 The calculations made by the tenderer should be based upon quantities of the items of work which are furnished in the Schedule of Quantities, but it must be clearly understood that the contract is not a lump sum contract. The ARCI do not in any way assure, represent or guarantee that the said probable quantities are correct or that the work would correspond thereto. The items of work irrespective of the quantities which may vary shall be carried out at the same accepted tender rates and no escalation in the rates will be entertained whatsoever. Any item of work may be omitted from the schedule of quantities and may be awarded to another agency at any time / stage of the work.
- 8.9 The tenderers must obtain for themselves on their own responsibility and their own expenses all the information which may be necessary, including risks, contingencies and other circumstances to enable them in making a proper tender and for entering into a contract, and must examine the drawings, specifications and conditions and inspect the site of the work, nature of the work, availability of power, water, shelter for workmen and all the matters pertaining thereto before submitting the tender.

## **8.0 Evaluation and Comparison of Tenders**

The ARCI will evaluate and compare only the tenders which technically qualified as per eligibility criteria

- 8.1 In evaluating the Tenders, the ARCI will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:
- (a) Making any correction for errors; or
  - (b) Making an appropriate adjustments for any other acceptable variations, deviations; and
  - (c) Making appropriate adjustments to reflect discounts offered.

**9.0 The ARCI reserves the right to accept or reject any variation, deviation, or alternative offer and other factors which are in excess of the requirement of the Tendering.**

**10.0 Award criteria:**

- 10.1 The acceptance of Tender will rest with the ARCI, which does not bind itself to accept the lowest tender and reserves to itself the authority to reject completely / partially, any or all of the Tender/s received without the assignment of a reason.
- 10.2 The ARCI reserves to itself the right of accepting the whole or any part of the Tender and the Tenderer shall be bound to perform the same at the rate quoted.
- 10.3 The ARCI reserves to itself the right of omission of any item of work from the awarded tender at any time / stage during the execution of work and award the same to another agency / contractor

**11.0 During Execution:**

The Contractor shall carry out all the works strictly in accordance with the specification, details and instructions of the ARCI. If in the opinion of the ARCI, changes have to be made in the design, and they desire the contractor to carry out the same, the Contractor shall be bound to comply. The ARCI decisions in such cases shall be final.

The Contractor is bound to carry out any items of work necessary for the completion of the job even though such items are not included in the schedule of quantities and rates. Schedule of instructions in respect of such additional items and their quantities will be issued in writing by the ARCI. Rates for such items of work will be recommended by the ARCI on the basis of Analysis of Rates which will be derived from **actual prevailing market rates of similar item along with 15% as contractor's profit & overhead**. The rates approved by the ARCI in such cases will be final.

- 11.1 The ARCI during discussion / stage of execution demand for the Analysis of Rates for any item / items of work which in their opinion is are abnormally high / low rates or required for the Analysis of Rates of other tender / extra item / items. The Contractor is bound to present the same and if the Contractor is unable to present a justified Analysis of Rates for any item / items, the rate / rates for such item may be adjusted accordingly and the decision of the ARCI in such cases shall be final.
- 11.2 The Contractor shall get the quality of work done inspected for material and workmanship at different stages of execution as per instructions given by the ARCI or their representative time to time. Any item of work done which is found not conforming to the Contract shall be rejected by the ARCI. The decision of the ARCI in such cases shall be final.
- 11.3 The ARCI may instruct at any stage of execution for testing of samples of any material taken at random. The ARCI will decide the testing laboratory / agency and the cost of testing including the expenses for sending the samples to the laboratory / agency and receipt of test reports shall be borne by the Contractor. The material shall be rejected in case the test



reports are not within the permissible limits. In case material is found to be of sub-standard quality, the same shall be rejected by the ARCI. The decision of the ARCI in such cases shall be final.

- 11.4 The Contractor shall not be entitled to any compensation suffered by him on account of delays in commencing or executing the work whatever the cause of delay may be, including delays arising out of modifications to the work entrusted to him or in any subcontracts connected therewith or delays in awarding contracts for other trades of the project or in commencement or completion of such other works or in procuring Government controlled or other building materials for any other reasons whatsoever. The ARCI shall not be liable for any sum besides the tender amount, subject to such variations as are provided for herein and as instructed by ARCI. However, necessary time extension will be given if the delays are not attributed to the Contractor.
- 12.0 **Water and Electricity Charges: ARCI will provide free of cost Electricity and water at one point. The contractor has to make his own arrangements for distribution of water and electricity. The standard safety and procedures of ARCI should be followed.**

**ARTICLES OF AGREEMENT**

Made at ..... This ..... day of ..... 2019.

Between .....

..... (hereinafter referred to as ARCI which expression shall include its heirs, Executors, Administrators & Assignees) of the one part and

.....

..... (Hereinafter referred to as the Contractor which expression shall include his heirs, Executors, Administrators & Assignees) of the other part

WHEREAS the ARCI is desirous of carrying out **ANNUAL MAINTENANCE RATE CONTRACT AND MINOR CIVIL WORKS AT ARCI, HYDERABAD** , the priced Schedule of quantities have been signed by or on behalf of the parties hereto and WHEREAS the Contractor has agreed to execute up to and subject to the conditions set forth herein (hereinafter referred to as “the AMC Civil works” described in “Scope of works” and etc the said “Priced Schedule of Quantities at the respective Rates mentioned in the Priced Schedule/ Purchase Order of Quantities attached.

And WHEREAS the Contractor has agreed to the submit the performance guarantee to ARCI for Rs. .... (Rupees.....

.....Only) by him as performance guarantee for the due fulfillment of the contract to the satisfaction of ARCI

**NOW IT IS HEREBY AGREED AS FOLLOWS:**

- (1) In consideration of the payments to be made to the Contractor as hereinafter provided he shall upon and subject to the conditions of contract execute and complete the works shown upon the said scope of works.
- (2) ARCI shall pay the Contractor such sums as shall become due and payable hereunder at the times and in the manner specified in the said conditions.
- (3) The tender agreement, documents and terms and conditions of NIT above mentioned shall form the basis of this Contract and the decision of the ARCI for the time being as mentioned in the Conditions of the Contract in reference to all matters of dispute as to the material, workmanship or account and as to the intended interpretation of the clauses of this agreement or any other document attached hereto shall be final and binding on both parties.
- (4) The said Contract comprises the work above mentioned and all subsidiary works connected there to within the same site as may be ordered to be done from time to time by

the said owner.

- (5) Time shall be considered as essence of the agreement and the contractor hereby agrees to commence to work as soon as his tender is accepted by ARCI by issuing LOI/WO/PO
- (6) The said conditions shall be read and construed to be forming part of this agreement and the Parties hereto will respectively abide by and submit themselves to the conditions and stipulations and perform the agreement on their parts respectively in such conditions contained.
- (7) All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen in Hyderabad and only the courts in Hyderabad alone shall have jurisdiction to determine the same.
- (8) The arbitrator for fulfilling the duties set forth in the arbitration clauses as defined with tender conditions of contract.
- (9) Arbitration: The Contract shall be governed by, and construed in accordance with the laws of India. Any dispute which cannot be amicably settled by the parties may be submitted, by the owners, to the International Center for Dispute Resolution (ICADR), Hyderabad. The dispute will be settled following the provisions of Arbitration and Conciliation Act, 2015. Both Parties agree that the results and awards of any such arbitration shall be binding on both Parties. Venue of Arbitration shall be Hyderabad.
- (10) The several parts of this contract have been read to us and fully understood by us. As witness our hands this.....day of .....2019.

.....  
Signed by the ARCI

.....  
in the presence of

.....  
Signed by the said Contractor

.....  
in the presence of

## Indemnity Bond

The tenderer should submit Indemnity Bond at the time of the Agreement as specified below.  
**(On Stamp Paper of Rs.100/-)**

The deed of indemnity is made and executed on this .....(Date).....(Month)2019 at Hyderabad by ----- represented by ----- here in after referred to as the contractor which terms shall unless repugnant to the context and include its successors-in-interest and assigns.

IN FAVOUR OF:

**International Advanced Research Centre for Powder Metallurgy and New Materials,  
(ARC International-ARCI), Balapur PO, Hyderabad-500 005.**

Here in after referred to as ARCI (which term shall unless repugnant to the context mean and include its successors -in-interest and assigns).

**Whereas ARCI has entrusted the work for ANNUAL MAINTENANCE RATE CONTRACT AND MINOR CIVIL WORKS AT ARCI, BALAPUR, HYDERABAD to the Contractor on the terms and conditions contained in the Tender document and subsequent ARCI PO NO.-----  
----- (herein after collectively referred to as the Contract).**

**As per the specific terms of the aforesaid contract, the contractor is required to execute in favour of ARCI an indemnity Bond in relation to and connected with the employment of labour and any other activity related with performing of the contract by the contractor and compliance by the contractor with all statutory provisions relating hereto.**

**ARCI has called up on the contractor to execute an Indemnity Bond in terms of the aforesaid contract, to, which the contractor has agreed.**

**NOW THIS DEED OF INDEMNITY WITNESSES AS FOLLOWS:**

**The contractor hereby irrevocably and unconditionally indemnifies and agrees to keep indemnified ARCI against from all causes and claims cost, damages, expenses, compensation, prosecution, legal proceedings, civil and /or criminal, penalties, fines ex-gratia payments or any other similar liability of any nature that may arise or be caused by or on account of the contractor's failure, intentional or otherwise, to comply with every prescribed statutory requirement and /or every condition contained in the contract relating to employment of labour, personnel, welfare, safety, health of such labour, personnel and any other activity related with performing of the contract including compliance with Employee's Provident Fund Act, Employee's State Insurance Act, Workmen's Compensation Act, Contract Labour Act, or any other similar welfare legislation that may be applicable to all or any workmen engaged by the contractor in or about execution under the contract.**

The contractor further agrees and confirms that under the scope of this indemnity the contractor shall at his cost and expense defend all legal proceedings ,civil and /or Criminal that may be instituted against ARCI caused or occasioned by the contractor's failure to comply with the statutory and contractual requirements herein before referred to and pay and bear all consequential costs ,expenses, compensation, damages, penalties, fines, ex-gratia payments without any demand /request by ARCI and without claiming any right to contribution from ARCI to such liability.

IN WITNESS WHERE OF the contractor has signed this Deed of Indemnity on the date month and year first above written in the presence of the following witness.

**Contractor:**

**Signature:**

**Date:**

**WITNESS:**

1.

2.

**PART A**  
**(TECHNICAL SPECIFICATIONS FOR**  
**BoQ ITEMS)**

**(To be Quoted and submitted only in Cover 3 (Financial Bid) as per BoQ)**

Sl. No.	Item with specification
1	<b>Site clearance of work spot:- ITEM CODE :-304004004</b> Site clearance of work spot including removing of trees, up to bottom level, removing of bushes, felling of the girth ,Removing of the roots and stacking of serviceable material and disposal of surplus unserviceable soil / trees / bushes of debris up to 1KM or site chosen by Engineer-in-Charge including labor etc., complete for finished item of work.
2	<b>Earthwork in excavation:- ITEM CODE :-304004005</b> Earthwork in excavation of foundations for buildings, structures, drains, manholes, chambers, pavements,, basements, etc., including all lifts in both wet and dry condition, bailing out water, shoring, strutting(if required), stacking/disposal of surplus and un serviceable soil within a lead of 500m & spreading in layers and as per specifications and direction Engineer. In all soils including soft rock/disintegrated rock and hard rock. The excavated earth which is to be used for back filling shall also be disposed and stacked separately at locations indicated by the Engineer within a lead of 1KM:
3	<b>Control filling with same soil:- ITEM CODE :-304004006</b> Controlled filling / back filling with mechanical compaction to achieve dry density of 95% modified proctor density in all positions under floors, foundations and other places as required by the engineer with approved earth or approved fill material brought from elsewhere from spoil heaps, if approved by the engineer, at all heights / depths including transporting, depositing, compacting, dressing, trimming etc., complete as desired in layers not exceeding 150mm including watering, consolidating by mechanical means as per specifications and instructions of the engineer. (The theoretical volume multiplied by 0.95 shall be considered for payment.)a) with available soil from the stock piles within a lead of 1 Km.
4	<b>Control filling out side soil:- ITEM CODE :-304004007</b> Controlled filling / back filling with mechanical compaction to achieve dry density of 95% modified proctor density in all positions under floors, foundations and other places as required by the engineer with approved earth or approved fill material brought from elsewhere from spoil heaps, approved by the engineer, at all heights / depths including transporting, depositing, compacting, dressing, trimming etc., complete as desired in layers not exceeding 150mm including watering, consolidating by mechanical means as per specifications and instructions of the engineer. (The theoretical volume multiplied by 0.95 shall be considered for payment.)a).with the soil of approved quality brought from outside.
5	<b>Dismantling / cutting of Brick wall:- ITEM CODE :-304004009</b> Dismantling / cutting of Brick wall / Lime sand brick walls,/stone masonry and disposal of dismantled materials up to 2KM lead including cost of hire charges of cutting equipment, labor charges etc complete finished item of work
6	<b>Dismantling / cutting of RCC items:- ITEM CODE :-304004010</b> Dismantling / cutting of RCC items / RCM Drops and cutting of different dia of reinforcement bars, disposal of dismantled materials up to 2KM lead including cost of hire charges of cutting equipment, labor charges etc complete finished item of work including stacking of the used material at designated place as advised by the engineer in charge.
7	<b>Dismantling/Removing of doors:- ITEM CODE :-304004011</b> Dismantling/Removing of doors, windows, Ventilators and clerestory windows (steel

	/ Alu or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 1.0km lead Prepare the surface to receive new finish as per drawings and specifications.
8	<b><u>PCC (1:2:4):- ITEM CODE :-304004012</u></b> PCC (1:2:4) prop. using 12 to 20mm size well graded HBG machine crushed chips in foundations and other mass concrete works, manholes, channels, screeds, steps, etc. including cost and conveyance of all materials labor charges centering/shuttering charges machine mixing charges curing and all other incidental and operational charges etc.1.Sand: Only River Sand2.Cement: Ultratech / Ambuja /Bharathi cement
9	<b><u>PCC(1:4:8):-ITEM CODE :-304004013</u></b> P.C.C(1:4:8) proportion using 40mm nominal size well graded HBG metal all leveling courses under foundations, and flooring, including centering / shuttering cost and conveyance of all materials approved source to site mixing concrete, laying, tamping and curing etc., complete for finished item of work.Use River sand & Cement:- Ultratech / Ambuja cement/Bharathi
10	<b><u>PCC(1:5:10):- ITEM CODE :-304004014</u></b> PCC(1:5:10) proportion using 40mm nominal size well graded HBG metal all leveling courses under foundations, and flooring, including centering / shuttering cost and conveyance of all materials approved source to site mixing concrete, laying, tamping and curing etc., complete for finished item of work.Use River sand & Cement:- Ultratech / Ambuja cement/Bharathi
11	<b><u>V.R.C.C(1:1.5:3):- ITEM CODE :-304004016</u></b> prop , using 12 to 20mm size well graded HBG machine crushed chips at all depths, heights and levels in all types of foundations, footings, columns up to parapet level, plinth beams, Tie beams, lintel beams, grade Slabs, cable trenches, and any other super structures including centering / shuttering charges cost and conveyance of all materials to site, labor charges, vibrating charges, curing with wet hessian cloth and all other incidental and operational charges etc. complete but excluding cost of steel and its fabrication chargesUse River sand & Cement:- Ultratech / Ambuja cement/Bharathi
12	<b><u>R.C.C(1:2:4):- ITEM CODE :-304004017</u></b> R.C.C(1:2:4) prop using 12 to 20mm size well graded HBG machine crushed chips at all depths, heights and levels in all types of foundations, footings, columns up to parapet level, plinth beams, Tie beams, lintel beams, grade Slabs, cable trenches, and any other super structures including centering / shuttering charges cost and conveyance of all materials to site, labor charges, vibrating charges, curing with wet hessian cloth and all other incidental and operational charges etc. complete but excluding cost of steel and its fabrication charges Use River sand & Cement:- Ultratech / Ambuja cement/Bharathi
13	<b><u>MS or TOR Steel:- ITEM CODE :-304004018</u></b> Supply ,Fabricating and fixing in position HYSD / MS or Tor Steel reinforcements of various diameters at all levels and positions including cost of straightening, cutting, laying, bending, cranking and tying with GI wire after placing in positions directed by the Engineer-in- charge including cost and conveyance of steel and GI wires lifting, labor charges and concrete cover blocks etc. Use steel-Tata tisco/VSP/Sail Steel only
14	<b><u>Structural Steel:- ITEM CODE :-304004019</u></b> Supply fabrication and erection of ANY TYPE OF structural steel elements such as Structural steel columns ,beams, stair cases ,angular ladders, fabrication of truss and other minor structural members using angles sections, I Beams, channel sections ,chequered plates, insert plates ,gusset plates, MS Sheets ,MS Pipes, box sections, all as per specifications including drilling of



	holes cutting fixing of bolts, nuts, washers, proprietary anchor fasteners/bolts , welding loading transportation and unloading charges including one coat of primer coat and two coats of synthetic enamel paint Asian paint of approved quality etc.Use steel-Tata tisco/VSP/Sail Steel /appolo only
15	<b>WIRE MESH:- ITEM CODE :-304004020</b> Supply, fabricating and fixing of welded steel wire mesh /weld mesh (25x25xmm at 13 guage) inclduing two coats of synthetic enamel paint over primary coat, welding charges, labour charges etc. MAKE-CHAMPAIN OR EQUIVALENT
16	<b>50MM DIA MS PIPE:- ITEM CODE :-304004021</b> Supply and fixing of MEDIUM CLASS 50mm dia meter tubular purling, vertical umbers tie runner wind bracing's in position at site of work with the M.S tubes of requisite size grade class weight as IS 1161 and IS 806 with 8mm thick cleat plates of suitable size at the ends of every member to connected at appropriate place by means of 12m dia bolts and nuts and including one coat of red oxide paint and two coats of synthetic enamel paint of approved color. MAKE:Tata/Jindal
17	<b>Brick Masonry:- ITEM CODE :-304004022</b> BRICK MASONRY in sub-structure/ super structures of all thickness in cement mortar (1:6) Prop. Using best quality table molded bricks(light weight bricks) with frog/indent, conforming to sub-class A as per IS:1077 having crushing strength of not less than 50 kg/cm2 in cement mortar 1:6 best quality table molded bricks from approved source including cost and conveyance of all materials to site scaffolding, labor charges, racking out joints, curing, cement etc. complete for all heights. Use First quality brick, River sand & Ultratech / Ambuja cement/bharathi cement
18	<b>Half Brick Masonry:- ITEM CODE :-304004024</b> Providing brick work of half-brick thickness using first quality table molded bricks(light weight bricks) with frog/indent, conforming to sub-class A as per IS:1077 having crushing strength of not less than 50 kg/cm2 in cement mortar 1:4 using 2 tor steel bars (8 mm ) embedded in CM at every 900mm height in partition walls, chambers, other works of all shapes, plinths and super structure at all depths and heights as per specifications including scaffolding, labor charges, racking out joints, curing, etc., all complete as per specifications, and directions of Engineer.Use First quality brick, River sand & Ultratech / Ambuja cement/bharathi
19	<b>C.R.S.Masonry(1:6) :- ITEM CODE :-304004025</b> Providing coursed rubble stone masonry in cement mortar of the following proportion in all types of works at all heights and depths with curing, etc., all complete as per specifications and directions of the Engineer. C.M(1:6) Use River sand & Ultratech / Ambuja cement/bharathi
20	<b>R.R(1:6) :- ITEM CODE :-304004026</b> Providing Random rubble masonry in cement mortar of the following proportions in all types of works at all heights and depths with curing, etc., all complete as per specifications and directions of the Engineer.C.M(1:6) Use River sand & Ultratech / Ambuja cement/bharathi
21	<b>D.P.C:- ITEM CODE :-304004029</b> Providing 40mm thick D.P.C over plinth with concrete of grade M-20D and mixing approved water proofing admixture with cement as per manufacturer's specifications, including necessary formwork/shuttering, one coat of hot bitumen of grade 80/100 over the top surface of DPC and all necessary by works complete all as per specifications and directed by the Engineer. Use River sand & Ultratech / Ambuja cement/bharathi

22	<p><b><u>20MM THICK PLASTERING:- ITEM CODE :-304004031</u></b> Providing 20mm thick cement-sand plaster in two coats, backing coat 15mm thick (1:6) and finishing coat 5mm thick, finished smooth at all depths and heights in 1:3 proportion in backing coat as well as finishing coat, providing chicken mesh at RCC &amp; masonry joints, necessary dabbing, curing, 10x10mm Grooves as required including scaffolding complete as per specifications. (for all heights ). The plaster work shall be true to the plumb and square and contractor shall provide proper gauges prior to start of work for approval. Use River sand &amp; Ultratech / Ambuja cement /Bharathi</p>
23	<p><b><u>15MM THICK PLASTERING:- ITEM CODE :-304004032</u></b> Providing 15mm thick cement-sand plaster smooth finish at all depths and heights in the following proportion on walls, pillars, projection bands, cable trench inner surfaces, cornices etc. including 10x10mm grooves as required, providing chicken mesh at RCC &amp; masonry joints, necessary dabbing, curing, scaffolding complete for internal walls &amp; ceiling as per specifications. The plaster work shall be true to the plumb and square and contractor shall provide proper gauges prior to start of work for approval. In Cement Mortar (1:3) for the ceilings. Use River sand – Cement- Ultratech / Ambuja cement /Bharathi</p>
24	<p><b><u>Lathe Plastering:- ITEM CODE :-304004033</u></b> Providing the following thickness lath plaster at all heights and locations for vertical fins, facias, bands, drop\s, etc., consisting of cement-sand plaster of proportion 1:3, including finishing the exposed faces smooth, provision of wire mesh to reinforcement bars, necessary shutting, surface preparations, etc., all complete and as per directions of the Engineer. The steel reinforcements shall be paid under reinforcement item. A) 40mm thick Use River sand &amp; Ultratech / Ambuja cement/Bharathi</p>
25	<p><b><u>Spirit polish:- ITEM CODE :-304004038</u></b> Providing and applying superior quality Spirit polish of approved make onwood work including necessary wood filter ,surfac preparation ,all complete to desired finish at all locations and as disered finish at all locations and as per specifications and direction of the engineer</p>
26	<p><b><u>SYNTHETIC ENAMEL PAINTING:- ITEM CODE :-304004039</u></b> providing and applying synthetic enamel paint of asain make and shade to desired finish as per specifications and directions of the engineer. Make:Asain/Berger</p>
27	<p><b><u>Premium emulsion paint:- ITEM CODE :-304004040</u></b> Providing and applying 2 coats of Premium emulsion paint of Asain make (colour shades as per Owner) over a one coat of primer as per specifications of the manufacturer. The rate shall include the cost of the priming coat and two coats of Birla make, “Wallcare”, White cement based putty or equivalent &amp; two coats of painting with necessary surface preparation. Including (any old walls) old surface scrapping, brushing, removing paint marks over windows, doors, flooring etc. complete. Makes:Asian make equivalent Berger paints</p>
28	<p><b><u>Tractor emulsion paint:- ITEM CODE :-304004041</u></b> Providing and applying 2 coats of Tractor emulsion paint of Asain make (colour shades as per Owner) over a one coat of primer as per specifications of the manufacturer. The rate shall include the cost of the priming coat and three coats of Birla make, Wallcare, White cement based putty or equivalent &amp; three coats of painting with necessary surface preparation. Including (any old walls) old surface scrapping, brushing, removing paint marks over windows, doors, flooring etc. complete. Makes:Asian make equivalent Berger paints</p>

29	<p><b>Apex Ultima:- ITEM CODE :-304004043</b> Painting with weather proof emulsion paint, water based, modified acrylic paint of Apex Ultima (Asian make ) to exterior faces of new walls with three coats of approved make shade and color including self-prime coat including cost and conveyance of materials like paint to site including cost of brushes, scaffolding charges, lift charges and labor charges such as preparing the wall, applying three coats of paint etc. complete for finished item of work in all floors, including old surface scrapping and removing of old paints etc. complete. Makes:Asian make equivalent Berger paints</p>
30	<p><b>APEX PAINTING:- ITEM CODE :-304004044</b> Painting with weather proof emulsion paint, water based, modified acrylic paint of Apex (Asian make ) to exterior faces of new walls with three coats of approved make shade and color including self-prime coat including cost and conveyance of materials like paint to site including cost of brushes, scaffolding charges, lift charges and labor charges such as preparing the wall, applying three coats of paint etc. complete for finished item of work in all floors, including old surface scrapping and removing of old paints etc. complete. Makes:Asian make equivalent Berger paints</p>
31	<p><b>Vitrified tiles-double charged:- ITEM CODE :-304004047</b> Providing and laying 12mm thick glossy finished color 1<sup>st</sup> class Vitrified tiles-double charged of 2'X2' in flooring, skirting, dado and in other places laid on 20 mm thick cement mortar bed or backing of mix 1:3, with joints properly aligned, filled with proprietary cement grout of approved shade and color (laticrete or Bal endura make ) at all levels and locations to different patterns as per specifications ,and direction of the Engineer all complete. Tiles shall be beveled at the vertical corner joints and horizontal edge joints. Top of skirting/dado shall be finished smooth to line and level. For Flooring &amp;Skirting Vetrified tiles:- Johnson make, Nitco make, Khazaria Use River sand &amp; Ultratech / Ambuja cement, Jointing same color grout material</p>
32	<p><b>Vitrified tiles-Single charged/Nano:- ITEM CODE :-304004048</b> Providing and laying 12mm thick glossy finished color 1<sup>st</sup> class Vitrified tiles-Single charged/Nano of 2'X2' in flooring, skirting, dado and in other places laid on 20 mm thick cement mortar bed or backing of mix 1:3, with joints properly aligned, filled with proprietary cement grout of approved shade and color (laticrete or Bal endura make ) at all levels and locations to different patterns as per specifications ,and direction of the Engineer all complete. Tiles shall be beveled at the vertical corner joints and horizontal edge joints. Top of skirting/dado shall be finished smooth to line and level. For Flooring &amp;Skirting Vetrified tiles:- Johnson make, Nitco make, Khazaria Use River sand &amp; Ultratech / Ambuja cement, Jointing same color grout material</p>
33	<p><b>Ceramic floor&amp;Dado tiles -300x300mm:- ITEM CODE :-304004049</b> Providing and laying 300x300x7mm thick matt finished/ antiskid Ceramic floor tiles (First quality) of approved color and shade in flooring. For wall Dadoing ceramic tile of approved color and shade shall be used. The tiles shall be laid on 12mm thick cement mortar bed for the dado and 25 mm thick for the floor with a C.M of mix 1:3, with joints properly aligned, filled with white cement slurry with matching pigment, at all levels and locations to different patterns as per specifications, and direction of the Engineer all complete (glossy or mat finish as required). Tiles shall be beveled at the vertical corner joints and horizontal edge joints. Top of skirting/dado shall be finished smooth to line and level. Ceramic tiles:- Johnson make, Nitco make, Khazaria Use River sand &amp;</p>

	Ultratech / Ambuja cement, Jointing same color proprietary grout material.
34	<b><u>Ceramic floor&amp;Dado tiles -400x400mm:- ITEM CODE :-304004050</u></b> Providing and laying 400x400x7mm thick matt finished/ antiskid Ceramic floor tiles (First quality) of approved color and shade in flooring. For wall Dadoing ceramic tile of approved color and shade shall be used. The tiles shall be laid on 12mm thick cement mortar bed for the dado and 25 mm thick for the floor with a C.M of mix 1:3, with joints properly aligned, filled with white cement slurry with matching pigment, at all levels and locations to different patterns as per specifications, and direction of the Engineer all complete (glossy or mat finish as required). Tiles shall be beveled at the vertical corner joints and horizontal edge joints. Top of skirting/dado shall be finished smooth to line and level. Ceramic tiles:- Johnson make, Nitco make, Khazaria Use River sand & Ultratech / Ambuja cement, Jointing same color proprietary grout material.
35	<b><u>Granolithic flooring:- ITEM CODE :-304004053</u></b> Providing and laying Granolithic flooring with total thickness as given below, laid in panels at all locations and heights including treads of steps, nosing, landing slab etc. with under -bed consisting of plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone chips, 12mm & down) and topping of mix 1:1:1 (1 cement : 1 medium sand : 1 fine stone grit (3mm to 6mm size) and finished with a floating coat of neat cement @ 2.20 Kg of cement per M2 of flooring), supplying and fixing 1.5mm thick aluminium strips for full depth, chequering in floor (finish inclusive if required, rounding, sloping, curing finishing, preparation of slab, steps, etc., all as per specifications and directions of the Engineer.Total thickness - 50mm Use River sand & Ultratech / Ambuja cement,
36	<b><u>P.V.C Flooring:- ITEM CODE :-304004054</u></b> Providing and laying poly vinyl chloride sheet 2mm thick ("WONDER Floor"/ARM STRONG or equivalent conforming to IS : 3462) of approved shade and sizes using approved rubber based adhesive including rolling with a light wooden roller weighing about 5kg., and shall be pressed properly to avoid undulations and air bubbles ,to correct line and level ,all complete as directed by the engineer.Thejoints between the sheets shall be suitably fused /cautered to make the entire surface seamless .the base surface shall be cleaned thoroughly to make it absolutely dust free and damp free before laying of the sheets .the entire surface shall be thoroughly cleaned with cleaning liquid and soap water before handling over .The measurement shall be as per net surface area in laid condition
37	<b><u>Granite flooring for Stair case and toe wall top :- ITEM CODE :-304004059</u></b> Providing & laying polished granite stone flooring using 18 mm thick machine cut & mirror polished granite treads/risers/sills/ledges 300-450mm wide in one or two pieces (each piece not less than 6' length), square cut nosing slightly softened by rounded / chamfered as required in one piece or long length as directed, set in cement mortar (1:4) and in average thickness of 30mm fixed with cement float ,including grooves, etc. complete as directed .The Rate is including cost and conveyance of all materials, labour charges and all operational, incidental charges etc., complete for finished item of work. Base price of stone to be considered at Rs.2000/sq. mt Use River sand & Ultratech / Ambuja cement,
38	<b><u>Minor repairing of rolling shutters:- ITEM CODE :-304004067</u></b> Minor repairing of rolling shutters of any size including major repairs to make normal functioning operation of shutters including necessary minor materials cost and conveyance all

	materials labour charges etc.,
39	<b><u>Major repairing of rolling shutters:- ITEM CODE :-304004068</u></b> Major repairing of rolling shutters of any size including major and minor repairs to make normal functioning operation of shutters including necessary minor materials cost and conveyance of all materials labour charges etc
40	<b><u>UNSKILLED LABOUR:- ITEM CODE :-304004072</u></b> Providing UNSKILLED LABOUR with necessary working tools and equipments
41	<b><u>SKILLED LABOUR:- ITEM CODE :-304004073</u></b> Providing SKILLED manpower with necessary working tools and equipments
42	<b><u>MASON:- ITEM CODE :-304004074</u></b> providing MASON manpower with necessary working tools and equipments
43	<b><u>STONE CUTTER/CHIPPERS:- ITEM CODE :-304004075</u></b> Providing STONE CUTTER/CHIPPERS with necessary working tools & equipments
44	<b><u>CARPENTER :- ITEM CODE :-304004076</u></b> Providing CARPENTER with necessary working tools and equipments.
45	<b><u>PLUMBER:- ITEM CODE :-304004077</u></b> providing PLUMBER with necessary working tools and equipments.
46	<b><u>welder:- ITEM CODE :-304004078</u></b> Supply of welder including welding rods, gas, etc complete
47	<b><u>Man hole:- ITEM CODE :-304004079</u></b> Construction of brick masonry inspection chamber/manhole with full bricks, in CM 1:5, provided with a light duty CI covers conforming to IS: 1726 neatly finished including 12mm thick plastering on both faces in CM 1:6, rounding, finishing, excavation, pcc bedding benching with neat cement finish etc., all complete as per specifications . a) Internal size 600 x 600 x 600mm deep
48	<b><u>FLUSH TANK :- ITEM CODE :-304004080</u></b> Supply and fixing of syphon and standard FLUSH TANK including cost and conveyance of all materials labour charges INCLUDING all Materials ertc complete etcMAKE HINDUWARE/parry ware/cera
49	<b><u>E.W.C:- ITEM CODE :-304004083</u></b> Providing and fixing white glazed/COLOUR CERAMIC EWC WITH FLUSH TANK water closet (EWC) of superior quality 40cm high HINDUSTAN OR approved equivalent make with ISI - mark, double trap syphonic pattern,'P' or 'S' trap, with cistern with cover HSW No. 21004 or equivalent approved make with ISI-mark having 10 litres capacity with ceramic syphon and valveless fittings (HSW or equivalent make), white colour solid plastic seat cover & lid of superior approved quality, CP brass bar hinges, screws, bolts, rubber, buffers 15mm dia CP inlet water pipe connection and concealed CP brass stop cock; fixing EWC to floor with necessary TW block & brass screws, all complete as per directions of the Engineer. Make: Parry ware/hindu ware/cera
50	<b><u>CI cover:- ITEM CODE :-304004084</u></b> Supply and fixing of man hole CI cover at standard sizes including labour charges etc complete Size-600X600MM
51	<b><u>I.W.C:- ITEM CODE :-304004086</u></b> Providing and fixing vitreous China white glazed Indian type water closet of superior quality 580mmX480MM size Orissa pan(PARRYWARE make, model-Orissa 580 with ISI-mark) with 'P' or 'S' trap, vent hole, with low level PVC cistern of 10 liters capacity of "PARRYWARE make", syphon & standard flush fittings, CP connecting flush pipe, 15mm CP bras concealed stop cock deluxe type, 15mm dia flexible PVC inlet water connection, all fittings Complete

	including all materials etc complete. Make ;Parry ware/hindu ware/cera
52	<b><u>Floor mounted coupled type water closet (EWC) :- ITEM CODE :-304004087</u></b> Providing and fixing white glazed vitreous china "Floor mounted coupled type water closet (EWC-Parryware make, model-Niagara) of superior quality with ISI-mark, double trap symphonic pattern ,'P' or 'S' trap, Dual Flush system, with cistern capacity as per manufacturer, lid, Anti-microbial seat cover, fittings, closet etc. ,CP brass bar hinges, screws, bolts, rubber, buffers 15mm dia CP inlet water pipe connection and concealed push type jaguar make CP brass stop cock; fixing EWC to floor with necessary TW block & brass screws, all complete as per directions of the Engineer. Make:parry ware/hindu ware//cera
53	<b><u>Bibcock cum Health Faucet:- ITEM CODE :-304004088</u></b> Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaguar Continental series, Chrome Finish for complete finish item of work.
54	<b><u>OVAL Under Counter Wash Basin:- ITEM CODE :-304004089</u></b> Supply, fitting and fixing glazed vitreous china OVAL Under Counter Wash Basin of superior quality of size 550 X 400 mm (Parryware make with ISI mark) having single or double holes with 32 mm CP brass waste fittings, 32 mm CP brass bottle trap, 15 mm PVC inlet water pipe connection, painted CI brackets with chain and rubber plug etc. CP jaguar make push type pillar tap, CP stop cock, (Prismatic sink cock of jaguar make) , including all necessary fittings etc complete Make:parry ware/cera/hinduware
55	<b><u>Urinal:- ITEM CODE :-304004090</u></b> Providing and fixing white glazed vitreous china Urinal, front lipped of superior quality PARRYWARE make-Model-Niagara with ISI-mark, Z-bracket fixing, Built-in ceramic spreader & waste coupling, push type CP flush valve, CP grating etc., cp push type jaguar make stopcocks, Concealed outlet and installation, and Necessary Fittings etc all as per directions of the Engineer(portions excluded): Make:Parry ware/hindu ware//cera
56	<b><u>Half-round chanel:- ITEM CODE :-304004091</u></b> Providing box type half-round white glazed channels 100mm size with dead and outlet ends of approved make, set in cement mortar 1:3 and joints finished with white cement. make-Hind ware
57	<b><u>550mmx450mm Mirror:- ITEM CODE :-304004092</u></b> Providing and fixing of 5.5 mm thick polished plate glass mirror of atul/saint gobins/Modi guard with 6mm thick asbestos sheet packing including fixing to wall by means of rawl plugs, etc Size:550mmx450mm
58	<b><u>soap tray:- ITEM CODE :-304004095</u></b> Providing and fixing vitreous china white glazed soap tray of superior quality HSW No. 40.010 or approved equivalent Make:hinduware/parry ware/cera
59	<b><u>WASH BASIN :- ITEM CODE :-304004096</u></b> Supplying,fitting and fixing white glazed vitreous china wash basin of superior qauality of size 550 x 400mm (HINDWARE make with ISI mark) having single or double holes with 3mm CP brass waste fittings, 32mm Cp brass bottle trap, 15mm PVC inlet water pipe connection, painted C I brackets with chain and rubber plug etc., Jaguar Make ppiller tap, Jaguar make cp stop cock, including all necessary fittings etc complete. MAKE :HINDUWARE/parry ware/cera
60	<b><u>URINAL BRACKETS:- ITEM CODE :-304004097</u></b> Supply and fixing of URINAL BRACKETS including labour charges etc complete

61	<b>wash basin brackets:- ITEM CODE :-304004098</b> Supply and fixing of wash basin brackets including remove and refixing of wash basin labour charges transportation etc complete
62	<b>soak-pit:- ITEM CODE :-304004099</b> Construction of soak-pit of size 1500mm dia and 2500mm depth conforming to IS:2470 (Part-I) and as per directions of the Engineer, including all materials, labour, excavation, backfilling, brick bats, bamboo mat, and other bye-works, complete
63	<b>CUTTING &amp; FILLING OF THE ROADS:- ITEM CODE :-304004102</b> Cutting of Roads by 600 mm wide and required depth for laying pipe line and filling the same with 150mm depth PCC(1:5:10) & 150mm Depth PCC (1:2:4) including cost of all materials labour charges ,curing etc complete
64	<b>110 mm Dia P.V.C PIPE:- ITEM CODE :-304004103</b> Providing 110 mm Dia P.V.C. down water take pipes 2.5mm thick 4 Kg/cm <sup>2</sup> ISI marked, including cost of necessary P.V.C. Bends, shoes, iron clamps and all other accessories and fixing in position including cost and conveyance of all materials to site, sales and other taxes, operational, incidental etc., including lift charges and labour charges for fixing at site etc., complete for finished item of work in all floors (APSS No.1328) including clamps etc complete MAKE;PRINCE/SUDHAKAR
65	<b>GULLY TRAP:- ITEM CODE :-304004105</b> Providing SW yard gully trap 150 x 100mm with CI grating 150 x 150mm and water-tight light weight CI covers conforming to IS: 1726 of size 300 x 300mm including half-brick masonry in CM (1:4) plastered neatly with CM (1:4) on both faces, 100mm thick PCC bed of mark M-10C, necessary excavation, complete as per direction of the Engineer.
66	<b>ONLY FIXING OF URINAL:- ITEM CODE :-304004107</b> including labour charges ,small materials etc complete
67	<b>URINAL WASTE COUPLING:- ITEM CODE :-304004108</b> SUPPLY AND FIXING OF URINAL WASTE COUPLING INCLUDING LABOUR CHARGES ETC COMPLETE
68	<b>WASH BASIN WASTE COUPLING:- ITEM CODE :-304004109</b> SUPPLY AND FIXING OF WASH BASIN WASTE COUPLING INCLUDING LABOUR CHARGES ETC COMPLETE
69	<b>LABAROTARY SINK:- ITEM CODE :-304004113</b> Supply and fixing laboratry sink including clamps ,Jaguar make long body bib tap-1no, drain pipe ,Jaguar Make stop cock -1no,including waste coupling with waste pipe etc
70	<b>TOILET PAPER ROLL HOLDER:- ITEM CODE :-304004116</b> Providing and fixing recessed toilet paper roll holder including roller white glazed vitreous china, HSW No. 40.025 or approved equivalent make. Make:Jaguar/parryware
71	<b>NAHANI TRAP:- ITEM CODE :-304004117</b> Providing and fixing 100 x 75mm HSI floor/Nahani trap with CP hinged heavy brass grating to be fixed in PCC M15C and made water tight.MAKE:INDO/NICCO/BIF
72	<b>100MM DIA HCI SOIL PIPE:- ITEM CODE :-304004118</b> Providing, fitting and laying 100mm dia meter HCI soil and waste pipe including vent pipe with all required HCI specials, plugs , clamps etc., of approved make including lead caulked joints 25mm deep, anticorrosive paint inside and both sides for furried pipe,all complete as per specification and direction of engineer MAKE:INDO/NICCO/BIF
73	<b>75MM DIA HCI SOIL PIPE:- ITEM CODE :-304004119</b> Providing ,fitting and laying H.C.I soil and waste pipe including vent pipe with all required H.C.I specials,plugs,clamps,etc of approved make, including lead caulked joints 25mm deep,

	anti corrosive paint, inside and both sides for furried pipe, all complete as per specification and direction of engineer. MAKE:INDO/NICCO/BIF
74	<b>STONE WARE SALT GLAZED PIPE(150MMDIA):- ITEM CODE :-304004120</b> Providing, laying, and jointing stone ware salt glazed pipe in CM1:2 including embedding in pcc mark M-10c, necessary excavation,&back filling complete as per specifications and depth up to 1.5mMAKE: indo/ kandelwal/pallavi
75	<b>S.W.G PIPE (100MMDIA) :- ITEM CODE :-304004121</b> Providing ,laying and jointing S.W.G Pipe in cm1:2 including embedding in pcc mark M-10c necessary excavation& back filling complete as per specification and depth up to 1.5mMAKE indo/ kandelwal/pallavi
76	<b>S.W.G PIPE (200MMDIA) :- ITEM CODE :-304004122</b> Providing ,laying and jointing S.W.G Pipe in cm1:2 including embedding in pcc mark M-10c necessary excavation& back filling complete as per specification and depth up to 1.5mMAKE indo/ kandelwal/pallavi
77	<b>SINTEX TANK:- ITEM CODE :-304004123</b> Providing and fixing of polyethylene 3layers water storage sintex tank in required capacities cylindrical with top closed top SINTEX with necessary scours and over flow Gi pipes ,GI INLET AND OUT LET CONNECTIONS , FLOAT VALVE , all of size 25mm hoisting ,fixing , testing , including foundation and necessary material etc MAKE-SINTEX
78	<b>4MM THICK ACARLYIC SHEET:- ITEM CODE :-304004132</b> supply and fixing of 4mm Thick Acarlyic SheeT including nut& bolts labour charges etc complete
79	<b>5MM THICK ACARLIC SHEET:- ITEM CODE :-304004133</b> supply and fixing of 5mm Thick Acarlic Sheet including labour charges , nut and bolts etc complete
80	<b>EWC SHEET COVER:- ITEM CODE :-304004134</b> Supply and fixing of EWC Sheet cover Hindu ware make including cost and conveyance of labour charges transportation etc complete
81	<b>BRUSH BOND:- ITEM CODE :-304004135</b> Supply &laying of brush bond forsorac make including two coats of brush bond labour charges scaffolding etc
82	<b>PUSH TYPE PILLER COCK (JAGUAR CONTINENTA:- ITEM CODE :-304004138</b> Supply & Fixing of push type piller cock (Jaguar continental series) of standard design and of approved make confirming to ISI.
83	<b>URINAL PUSH TYPE COCK (JAGUAR CONTINENTA:- ITEM CODE :-304004139</b> Supply & Fixing of urinal push type cock (Jaguar continental series) of standard design and of approved make confirming to ISI.
84	<b>PREPRINT GALVANIZED 0.5MM SHEET:- ITEM CODE :-304004141</b> Supply and fixing of Preprint galvanized sheet 0.5mm thick including necessary fittings,hard ware fittings including over laps, etc payment will be released as per sqm bases
85	<b>GLASS PUTTY:- ITEM CODE :-304004143</b> Supply and fixing of glass putty including labour charges transportation etc complete
86	<b>5.0MM THICK PLAIN GLASS:- ITEM CODE :-304004147</b> Supply and fixing of 5.5 mm thick plain glass(Atual/modi/SAINT GOBIN)) including puttycost and conveyance of all materials labour charges etc
87	<b>CONTINUOUS HINGES:- ITEM CODE :-304004150</b> Supply and fixing of continuous hinges width of flaps 30mm (when open )mild steel bright finish or electro galvanized complete all as directed by engineer in charge.MAKE-EBCO



88	<b>ALUMINUM DOOR 6LEVER LOCK GODREJ/DOOR SET MAKE:- ITEM CODE :-304004152</b> Supply and fixing of aluminum door 6lever lock godrej/DOOR SET make including all materials etc
89	<b>DOUBLE GRIP DOOR STOPPER:- ITEM CODE :-304004153</b> Supply and fixing of double grip door stopper including all materials etc Make:Godrej/dor set
90	<b>CUP BOARDS POWER COATED MAGNETS:- ITEM CODE :-304004154</b> Supply and fixing of cup boards power coated magnets including hard ware fittings etc complete. Make:Godrej
91	<b>POWDER COATED ALUMINIUM WINDOW HANDLES:- ITEM CODE :-304004157</b> Supply and fixing of power coated aluminium window handles including cost and conveyance of all materials labour charges etc
92	<b>ALUMINIUM BEADING:- ITEM CODE :-304004159</b> Supply and fixing of aluminium beading of any size including cost and conveyance of all materials labour charges etc. Make:Jindal
93	<b>MANUAL SLIDING DOOR CHANEL:- ITEM CODE :-304004160</b> Supply and fixing of Heavy duty manual sliding door fitting set including cost and conveyance of all materials labour charges etc. Make:Godrej
94	<b>DOOR CLOSERS EXPOSED TYPE:- ITEM CODE :-304004162</b> supply and fixing of heavy duty hydraulic automatic door closers(60kgs) Godrej/door set (Expose type) approved make cost and conveyance of all types of materils labour charges etc
95	<b>GYPSUM BOARD FALSE CEILING:- ITEM CODE :-304004164</b> Providing and fixing in position false ceiling Gypsum board and the followingspecifications. a). Making the frame work with 2 x 25 x 1.5mm thick aluminium/suitable Tees and Angles of the size of 2"x2' b). Suspension of frame from the roof with 6mm MS Rods at every 1m distance and having adjustable springs for leveling purposes ,with suitable provision for tube light fittings,all complete as per direction of engineer c).placement of 12mm thick gypsum board tiles in the grid and locking d).Apply of 2coats of colour maching to the room co lour of Emulsion paint to the tile MAKE-INDIAN GYPSUM
96	<b>ONLY FIXING POWEWR COATED FALSE CEILING:- ITEM CODE :-304004166</b> only fixing of power coated false ceiling including levelling and levelling rods and all minor materials transportation labou charges etc complete
97	<b>ARMSTRONG MICRO LOOK FALSE CEILING TILES:- ITEM CODE :-304004167</b> Armstrong Micro look false Ceiling tiles Providing and fixing Armstrong make (Model-Dune Max with Microlook type Edge using 15mm Silhouette XL Microlook type suspension system) false ceiling of size 24x24 ceiling tiles at levels as shown in the drawing From FFL. Rate shall be inclusive of providing the total system with installation etc. The suspension system should be with adjustable stainless steel clip. The contractor has to maintain all tiles in good order and replace the defected tiles (at his own cost) before handing over the site till Inauguration. Make-Arm strong
98	<b>VERTICAL VENATION BLINDS:- ITEM CODE :-304004173</b> Supplying and Fixing of vertical Venetian blinds 100 mm wide Vista/MAK make with all accessories including cost and conveyance of all materials and fixing charges etc., complete for finished item of work.at all heights.
99	<b>SOLID CORE FLUSH DOOR LAMINATED ON BOTH: ITEM CODE :-304004179</b> Solid core flush door laminated on both sides Providing and fixing 35mm thk Solid core

	BWP (Boiling water proof) grade of Greenply Optima Red or equivalent approved make, made out of specifically selected & well-seasoned hardwood timber. The solid Block Board core to be framed with seasoned hardwood battens and strengthened by a layer of cross-bands with face veneer on both side of the core. The flush doors shall conform to IS-2202 (part I). The flush door shall have 12mm TW lipping all around, polished finish at edge, color to match door laminate. Both faces of the door shall be finished with 1mm thk laminate (Factory pressed) of sun mica, formica, greenlam, color as approved by architect/owner, and provide 6mm thk glazing view panel of size 8x2 above the handle. with all necessary hardware are of Godrej make. Hinges (4 nos) of size 100x75x3 with SS304 satin finish (Model no- SS304), 6 lever godrej Heavy duty lock (Model no 1938) with brass chorme finish, Euro profile indus handle set (2 nos) of SS304 satin finish (Model no 9225), Heavy duty door closer, Tower bolts (1 nos) with SS304 satin finish (Model no-8577), Door stoppers (1 nos) satin finish (Model no 8830) etc. as required. complete Manufacturer of Solid flush door
100	<b>GODREJ NAVATAL 7LEVERS LOCK: ITEM CODE :-304004181</b> Supply of Godrej Navatal 7 levers with 3 keys including cost and conveyance, etc.
101	<b>DECOLUM SHEET FOR ISI MARK: ITEM CODE :-304004183</b> Supply and fixing of Green lam decolum sheet 1mm thick ISI Mark including all materials, fevical labour charges etc complete.
102	<b>19MM THICK KIT PLAY WATER PROOF PLY WOOD: ITEM CODE :-304004184</b> Supply and fixing of 19mm thick kit play water proof ply wood ISI Mark including all materials, fevical labour charges etc complete. Make:Green Play
103	<b>TW DOOR FRAME: ITEM CODE :-304004188</b> Providing & fixing of wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position made out of First class teak wood -indian teak wood including hold fasts, transportation labor charges, filling gaps, dents etc. with appropriate wooden putty, with bitumen paint on the surface contact with brick works/concrete. etc complete
104	<b>MS door frame with powder coating: ITEM CODE :-304004189</b> Supplying and fabricating and fixing in position, pressed MS frames (Factory made and finished) for door and windows manufactured from commercial steel sheet 1.2mm thick including provision of hinges, lock jams, beads, brace ties with 4.00mm pressed mild steel welded adjustable lugs with split tail end, mortar guards, lick strike plate, shock absorbers, etc. and powder coating of approved shade. The hollows section of the 187doors should be filled with concrete of grade 1:2:4 using 6 mm down size aggregate Frames have to be duly protected
105	<b>Wooden beading : ITEM CODE :-304004190</b> Providing and fixing of 35mm x 12mm Teak wood beading (contractor has to provide samples for approval by Architect/Owner) to be fixed at door frame and masonry junction including painting to match door frame.
106	<b>BITUMEN PREMIX CARPET OF 25 MM THICK: ITEM CODE :-304004196</b> Applying evenly a priming/ tack coat with bituminous primer using paving bitumen 5kg per 10 sqm and laying bituminous premixed carpet, 25mm consolidated thickness with 0.3 cum of stone chippings 6mm to 12.5mm size mixed with 96kg bitumen per cum of chipping by hot mix process laid by mechanical paver and rolled and compacted to required camber and gradient using 8 to 10 ton power roller to a uniform smooth

	surfaces complete all as specified and directed by Engineers in charge.
107	<b>Removing of tar felt sheet : ITEM CODE :-304004198</b> Scraping and removing the existing tar felt sheet from the roof and disposing unserviceable material with a lead of 2kms to an authorized municipal dumping area
108	<b>MAKING OPENING FOR EXHAUST FANS(500MMDIA) :- ITEM CODE :-304004216</b> Making openings in walls etc . at all heights above floor level forfixing exhaust fans of size 500mmdia , providing and embedding wooden plugsas required for exhaust fans ,making good the damage done to adjoining areas ,including finishing with disposingthe debries with in ahead of 500m etc
109	<b>MAKING OPENING FOR EXHAUST FANS (750MM) :- ITEM CODE :-304004217</b> Making openings in walls etc . at all heights above floor level forfixing exhaust fans of size 750mmdia , providing and embedding wooden plugsas required for exhaust fans ,making good the damage done to adjoining areas ,including finishing with cement plaster to match with the existing surfaces scaffolding,curing disposingthe debries with in ahead of 500m etc
110	<b>NAHANI CONNECTION (WASTE PIPE) :- ITEM CODE :-304004220</b> Providing and fixing of nahani connection (waste pipe) including cost and conveyance of all materials labour charges removing of old fittings etc
111	<b>REMOVING OF ALU PARTITION:- ITEM CODE :-304004221</b> Removing carefully the existing aluminuim partition with out making any damage to glass panels by making necessary opening screws in the walls etc transporting and stacking the partition materials asdirected by the engineer -in -charge including labour charges etc
112	<b>ONLY FIXING OF ALU PARTATION:- ITEM CODE :-304004222</b> ONLY FIXING OF ALUNINIUM PARTATION INCUDING LABOUR CHARGES TRANSPORTATION ,screws, and minor materials ETC COMPLETE
113	<b>POWER COATED ALU PARTATION :- ITEM CODE :-3040043223</b> Supply and fixing of aluminium partition as per drawing with standard POWER COATED aluminium sections 101.60 x 44.45 x 2.00 mm in four rows of section one each at bottom and top and middle two numbers of horizontal sections and vertical number at 90.00 cm centre to centre equal distance and shall be firmly secured to floor and walls and panels of 12mm thick both side pre laminated particle board (Novapan) make and 5mm thick sheet glass colour glass-MODI/ATUL as per drawing, panels fixed with aluminium glazed clips and rubber gasket, including provision of doors as per drawing of standard aluminium anodized sections 3 horizontal and two verticals and 12mm thick pre laminated board upto lick rail, remaining portion fixed with 5mm Thick Sheet Glass and shall be provided with floor mounted door springs (Everite make) 2 nos. of tower bolts of 250mm long, door stoppers, push and pull plates, locking system, including sliding door materials etc. complete .Aluminuim material-Jindal make
114	<b>POWER COATED ALU DOOR:- ITEM CODE :-304004224</b> Supply and fixing fully glazed POWER COATED aluminium hinged type Door Jindal makeas per approved drawings using standard aluminium outer frame section of size 101.6 x 44.75 x 1.35mm thick (1.05 Kg per Rmt ) and shutters styles section of size 85 x 44.5 x 1.8mm thick (1.302 Kg per Rmt ), bottom rail section of size 150 x 44.45 x 2.2mm thick (2.376 Kg per Rmt) and top, lock rails section of size 85 x 44.5 x 1.8mm thick (1.302 Kg per Rmt) using 5mm thick tinted glass/ plain glass/colour glass and shall be provided

	with floor mounted door springs (1 No. per each shutter), hydraulic automatic door closers exposed type ( 1 No. per each shutter) including all fittings such as handles,push and pull plates,fitted with suitable alluminium glazing clipsand rubber beading,including sun control film of door shutters and all hardware fittings,like butt hinges,tower bolts, door stoppers etc., alluminium clips,6 lever lock,bolts,rubber gaskets.etc., as per specifications,and directions of Engineer.The measurement for payments shall be for the full opening including frames. (Aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by Engineer and fixtures shall be of ISI marked) HARD WARE-DOOR SET/godrej
115	<b><u>ANODISED ALUMINIUM SECTIONS:- ITEM CODE :-304004226</u></b> SUPPLY AND FIXING OFANODISED ALUMINIUM AT Any SECTIONS INCLUDING TRANSPORTATION LABOUR CHARGES ETC COMPLETE_Make;Jindal
116	<b><u>RUBBER BEADING:- ITEM CODE :-304004227</u></b> SUPPLY AND FIXING OF RUBBER BEADING INCLUDING LABOUR TRANSPORTATION ETC COMPLETE
117	<b><u>12MM THICK NOVAPAN(BOTH SIDE LAMINATION) :- ITEM CODE :-304004231</u></b> Supply and Fixing of 12MM THICK NOVAPAN(BOTH SIDE LAMINATION) including all materials etc complete
118	<b><u>ALUMINIUM WINDOWS:- ITEM CODE :-304004232</u></b> Providing and fixing in position extruded modular (Heady duty aluminum 2mm thick with powder coating of approved color in Jindal/Hindal sections) aluminum window system consisting of fixed and sliding/open able shutters as designed and approved by the architect including 6 mm thick toughened tinted glass, sliding window rollers, handles, locking system as per direction of aluminum open able/sliding sections etc complete
119	<b><u>POWER COATED ALU SLIDING WINDOW:- ITEM CODE :-304004233</u></b> DOMAL SLIDING WINDOWS ON THREE TRACKSECTIONS WITH S.S MESH: Providing and fixing 40microns pure polyester coated aluminum Domal aluminum sliding windows using three track section Agarvanshi Alluminium Ltd.or equivalent Sections No: 3127 of dimension 126 X 36.5 X 1.6mm thick, shutter sections of Section No: 3122 of dimension 27X 65 X 1.5 mm thick, inter lock strip of section No: 3119 and forfixed using Jindal section No: 2431, with two shutters of 5.5 mmthick toughened tinted glass one shutter with S.S Mesh fromoutside for the cover the whole window, EPDM gaskets, locking arrangements including all quality accessories and installation atsite. The Rate is including cost and conveyance of all materials,labour charges and all operational, incidental charges etc.,complete for finished item of work
120	<b><u>ALUMINIUM PARTITION(101.60X44.45X2.00) :- ITEM CODE :-304004234</u></b> Supply and fixing of aluminium partition as per drawing with standard aluminium anodized sections 101.60 x 44.45 x 2.00 mm in four rows of section one each at bottom and top and middle two numbers of horizontal sections and vertical number at 90.00 cm centre to centre equal distance and shall be firmly secured to floor and walls and panels of 12mm thick both side pre laminated particle board (Novapan) make and 5mm thick sheet glass ROUGH GLASS/colour glass-MODI/ATUL as per drawing, panels fixed with aluminium glazed clips and rubber gasket, including provision of doors as per drawing of standard aluminium anodized sections 3 horizontal and two verticals and 12mm thick pre laminated board upto lick rail, remaining portion fixed with 5mm Thick Sheet Glass and shall be provided with floor mounted door springs (Everite make) 2 nos. of tower bolts of 250mm long, door stoppers, push and pull plates,

	locking system, including sliding door materials etc. complete. Aluminum material- Jindal make
121	<p><b>ALUMINIUM VENTILATORS:- ITEM CODE :-304004235</b> Supply and fixing fully glazed aluminium anodized hinged type Ventilators jindal make as per approved drawings using standard aluminium outer frame section of size 40 x 31.5 x 1.2mm thick (0.549 Kg per Mtr) and central mullion of size 40 x 31.5 x 00 mm ( 0.502 Kg per Mtr) and shutters styles made of anodized aluminium section 40 x 31.5 x 1.2mm thick and rails section of size 40 x 31.5 x 1.2mm thick using 4mm thick plain glass fitted with suitable aluminium glazing clips and rubber beading including supplying and fixing butt hinges (2 Nos. per shutter), handles(1 No per shutter) including aluminium anodized grill, including cost and conveyance to site of Aluminium sections glass, rubber beading, fixtures etc., including labour charges for manufacturing window, fixing in position using wooden blocks and sheet metal screws etc, complete for finished item of work, (Aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by Engineer and fixtures shall be of ISI marked) HARD WARE MAKES-DOOR SET</p>
122	<p><b>GYPSUM BOARD PARTITION:- ITEM CODE :-304004236</b> FULL HEIGHT PARTITION WITH SINGLE LAYER OF MOISTURE RESISTANT GYPSUM BOARD ON BOTH SIDES (Height from FFL to soffit of Structural Ceiling) - (India Gypsum make only) Providing and &amp; fixing in place partitions of overall thickness of 100 mm, formed out of the following components <b>A)Framework:</b>Providing and fixing framework made of special section power pressed from M.S.sheet and galvanized with zinc coating of grade 175 (specification of GI), consisting of floor and ceiling channel 75mm wide (U-Floor channel) having equal flanges of 32mm width 0.50mm thick fixed to floor /ceiling at the spacing of 610mm center to center with dash fastener of 12.5mm diameter 40mm length and studs 72mm wide having one flange of 34mm and other flange 36mm and 0.50mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm c/c by 6mm dia. bolts and nuts at both ends of partitions fixed flush to wall with rawl plugs at the spacing of 450mm c/c. (Note : Horizontal intermediates are required at 1.2 m interval in case the height of frame work exceeds 3m to strengthen vertical studs. The items also to include for additional horizontal/vertical supports where door/window openings.<b>B)Cladding</b> The framework to be cladded on both sides with SINGLE layers of 12.5 mm thick tapered edge Moisture resistant Gypsum board of India gypsum make with 0.5hr fire resistance, in line and level fixed with dry wall screws of 25 mm and finished with proprietary jointing tape and compound as per manufacturer's specification. Joints to be sand papered to achieve a smooth and seamless finish. <b>C)Finishes</b> Two coats of gypboard primer to be applied to finished surfaces and then smoothened using chalk putty as directed. Special Provisions <b>a)</b>Contractor to make provision for all electrical/networking boxes as required. Electrical/Network boxes /other services to be provided at desired height and location as indicated in the drawing.<b>b)</b>All exposed edges / corners/ grooves to have proprietary corner / edge bead sections/channels as per Architect's instructions At all locations where services are penetrating the partition above <b>c)</b>false ceiling to have additional GI frame work around the duct/cable tray/pipe and the gaps between the frame work and service to be filled with appropriate fire stop material as directed <b>d)</b> Provide 6mm ply backing of 80mm high</p>

	for fixing vitrified tile skirting Make:Indian Gypsum
123	<b><u>GRANITE BASIN COUNTER TOP:- ITEM CODE :-3040043238</u></b> Providing &fixing 20mm thick polished Granite slabs of approved shade at wash basin counter, including cutting, rounding of the edges, providing 75 mm high apron with half round moulding, finishing, other necessary bye-works all complete as per direction of the engineer .The granite slab shall be of single piece. (Granite Rate Range: 1750 to 2000 Rs/Sqm)_Note: ARCI staff will choose the Granite
124	<b><u>ONLY FIXING OF URINAL:- ITEM CODE :-304004239</u></b> ONLY FIXING OF URINAL INCLUDING LABOUR ,MINOR MATERIALS(SSMade) ETC COMPLETE
125	<b><u>PRECOATED GALVANISED IRON PROFILE SHEETS:- ITEM CODE :-304004243</u></b> Providing and fixing precoated galvanised iron profile sheets at a height of 3m to 12mts including scaffolding,Ridges plain(500-600mm) (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thicknesswith zinc coating 120 grams per sqm as per IS: 277, in 240 mpasteel grade, 5-7 microns epoxy primer on both side of the sheetand polyester top coat 15-18 microns. Sheet should haveprotective guard film of 25 microns minimum to avoid scratchesduring transportation and should be supplied in single lengthupto 12 metre or as desired by Engineerin- charge. The sheetshall be fixed using self drilling /self tapping screws of size (5.5x55 mm) with EPDM seal, complete upto any pitch in horizontal/vertical or curved surfaces, excluding the cost of purlins, raftersand trusses and including cutting to size and shape wherever required.The Rate is including cost and conveyance of allmaterials, labour charges and all operational, incidental chargesetc., complete for finished item of work.
126	<b><u>REMOVING OF PVC FLOORING:- ITEM CODE :-304004244</u></b> Only removing of PVC flooring including labour charges transportation etc complete
127	<b><u>POWER COATED/SS HINGES:- ITEM CODE :-304004245</u></b> Supply and fixing of Power coated/SS hinges including removing of old hinges transportation screws etc complete(Size4''or 6'')_Make :godrej/door set
128	<b><u>REPAIRING OF ALL TYPES OF FALSE CEILING:- ITEM CODE :-304004246</u></b> Repairing of all types of false ceiling, adjustment of supports, screws, channels, including major and minor repairs for normal position of false ceiling, necessary minor materials, cost and conveyance of all materials labour charges etc
129	<b><u>SUNCONTROLFILM:- ITEM CODE :-304004248</u></b> Supply and fixing of sun control filmof non- reflected type of approved colour make(garware) Or equivalent including cost and conveyance of amaterials, labour charges etc
130	<b><u>ALUMINUIM WINDOW HANDLE:- ITEM CODE :-304004253</u></b> Supply and fixing of aluminuim window handles including cost and conveyance of all materials labour charges etc(.301005046
131	<b><u>SUPPLY AND MAKING / FIXING OF TEAK WOOD:- ITEM CODE :-304004255</u></b> SUPPLY AND MAKING / FIXING OF TEAK WOOD including labour charges, screws , nuts & bolts, minor materials etc complete
132	<b><u>SUPPLY AND MAKING / FIXING OF HARD WOOD:- ITEM CODE :-304004256</u></b> SUPPLY AND MAKING / FIXING OF HARD WOODincluding labour charges, screws, nuts and minor materials etc

133	<p><b><u>ALUMINIUM WINDOWS:- ITEM CODE :-304004263</u></b> Supply and fixing fully glazed aluminium anodized hinged type window as per approved drawings using standard aluminium outer frame section of size 40 x 31.5 x 1.2mm thick (0.549 Kg per Mtr) and central mullion of size 40 x 31.5 x 00 mm ( 0.502 Kg per Mtr) and shutters styles made of anodized aluminium section 40 x 31.5 x 1.2mm thick and rails section of size 40 x 31.5 x 1.2mm thick using 4mm thick plain glass fitted with suitable aluminium glazing clips and rubber beading including supplying and fixing butt hinges (2 Nos. per shutter), handles(1 No per shutter) including aluminium anodized grill, including cost and conveyance to site of Aluminium sections glass, rubber beading, fixtures etc., including labour charges for manufacturing window, fixing in position using wooden blocks and sheet metal screws etc, complete for finished item of work including sun control film, (Aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by Engineer and fixtures shall be of ISI marked ) <b>Make:Aparna/Tata/Jindal</b></p>
134	<p><b><u>ALUMINIUM DOOR:- ITEM CODE :-304004266</u></b> Supply and fixing fully glazed aluminium anodized hinged type Door as per approved drawings using standard aluminium outer frame section of size 101.6 x 44.75 x 1.35mm thick (1.05 Kg per Rmt ) and shutters styles section of size 85 x 44.5 x 1.8mm thick (1.302 Kg per Rmt), bottom rail section of size 150 x 44.45 x 2.2mm thick (2.376 Kg per Rmt) and top, lock rails section of size 85 x 44.5 x 1.8mm thick (1.302 Kg per Rmt) using 5mm thick tinted glass/ plain glass/colour glass and shall be provided with floor mounted door springs (1 No. per each shutter), hydraulic automatic door closers exposed type (1 No. per each shutter) including all fittings such as handles,push and pull plates,fitted with suitable alluminium glazing clipsand rubber beading,including sun control film of door shutters and all hardware fittings,like butt hinges,tower bolts, door stoppers etc., alluminium clips,6 lever lock,bolts,rubber gaskets.etc., as per specifications,and directions of Engineer.The measurement for payments shall be for the full opening including frames. (Aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by Engineer and fixtures shall be of ISI marked HARD WARE-DOOR SET/godrej</p>
135	<p><b><u>MINOR REPAIR OF ALUMINIUM DOOR:- ITEM CODE :-304004270</u></b> Minor Repairing of of all types of aluminium doors, adjustment of all types of door fittings, including minor repairs for normal functioning of aluminium shutters including necessary minor materials(SS Made) cost and conveyance of all materials labour charges etc</p>
136	<p><b><u>MAJOR REPAIR OF ALU/WINDOWS/VENTILATORS:- ITEM CODE :-304004271</u></b> Major repairs of all types of aluminium windows/ventilators, adjustment of all types of windows fittings including major repairs for normal functioning windows including necessary major materials (ss made) cost and conveyance of all materials labour charges etc.</p>
137	<p><b><u>FRICION HINGES:- ITEM CODE :-304004273</u></b> Supply and fixing of aluminuim window friction hinges heavy duty(SSMade) including cost &amp;conveyance of all materials labour charges etc <b>MAKE: EBCO/DOOR SET</b></p>
138	<p><b><u>DOUBLE ACTION FLOOR SPRINGS:- ITEM CODE :-304004274</u></b> Supply and fixing of Heavy duty double action floor springs including cost and conveyance of allmaterials labour charges etc.<b>MAKE: EVERITE/DOOR SET/GODREJ</b></p>

139	<b><u>SINGLE ACTION FLOOR SPRING: ITEM CODE :-304004275:</u></b> Supply and fixing of heavy duty single action floor springs including cost and conveyance of all materials labour charges etc. MAKE: EVERITE/DOOR SET/GODREJ
140	<b><u>20 MM GRANITE PARTITIONS: ITEM CODE :-304004276</u></b> Supplying and fixing of 20 mm Granite partitions of size 4 x 2 for urinals including rounding edges, three sides, fixing ,polishing ,etc. complete for finished item of work
141	<b><u>CP BRASS CONCEALED STOPCOCK (JAGUAR CONT): ITEM CODE :-304004277</u></b> Supply & Fixing of CP brass Concealed stopcock (Jaguar continental series) of standard design and of approved make confirming to ISI
142	<b><u>CP BRASS ANGLE STOPCOCK (JAGUAR CONTINEN): ITEM CODE :-304004278</u></b> Supply & Fixing of CP brass Angle stopcock (Jaguar continental series) of standard design and of approved make confirming to ISI
143	<b><u>20MM DIA BALL VALVE /BUTTER FLY VALVE: ITEM CODE :-304004279</u></b> Supplying, fitting and fixing superior quality 20mm dia Ball valve /butter fly valve (full way) of "LEADER"/ hudco/ZOLOTO make or equivalent with ISI-mark 20MM DIA BALL VALVE /BUTTER FLY VALVE
144	<b><u>25MM DIA BALL VALVE /BUTTER FLY VALVE: ITEM CODE :-304004280</u></b> Supplying, fitting and fixing superior quality 25mm dia Ball valve /butter fly valve (full way) of /ZOLOTO make or equivalent with ISI-mark
145	<b><u>1MM THICK GI SHEET: ITEM CODE :-304004281</u></b> Supply and fixing of 1mm thick GI sheet including labiur charges , nails , etc
146	<b><u>REFIXING OF ALUMINUIM PARTATION: ITEM CODE :-304004282</u></b> Only refixing of Aluminuim partation including labour charges ,tools &tackles etc
147	<b><u>CRACK FILLING: ITEM CODE :-304004284</u></b> Providingt two coats of crack filling including labour charges ,scaffolding charges including making of grooves etc
148	<b><u>HAND RAIL POLISH WORK: ITEM CODE :-304004285</u></b> POLISHING to Handrail with two coats of French polish of 1st grade and approved brand and shade over a primary coat (total 3 coats) including cost and conveyance of all materials to site, cost of primer coat, brushes, SAND PAPERS and all labour charges etc. complete (APSS No.1201, 1207 & 1212)
149	<b><u>HYPER PLAS 3KG/SQM WITH PAINTING: ITEM CODE :-304004287</u></b> Supply and providing water proofing treatment with Hyperplas (IWL Make) app memberance of weight not less than 3kg/sqm with 90micron high molecular high density polyethylene film sand witched between two layers of polymeric (atactic poly propylene based) bitumen laminated on both side with 20microns HDC HPDH film over a coat of hot blown bitumen 85/25 grade @1.2kg/sqm after priming t the surface with a bituminous emulsional (talk coat)@100gs per sqm /10cm over laps of the membrane stall be fused uniformly by LPG torch flame and two coat of aluminum paint after polymer membrane all the specified and directed.
150	<b><u>REMOVING OF EXISTING BITUMEN FELT: ITEM CODE :-304004288</u></b> Removing of existing bitumen felt and pcc 1.2 4 for hunching areas & the surface shall be thoroughly cleaning, washing down with water etc including disposal of removed materials up to 2km lead etc complete
151	<b><u>C.P. PILLAR TAP: ITEM CODE :-304004289</u></b> Providing and fitting C.P. pillar tap of jaguar make of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc.



152	<b><u>15MM DIA METER C.P. Long Body BIBCOCK: ITEM CODE :-304004290</u></b> Providing and fixing of 15mm dia meter c.p. Long body bibcock Jaguar make of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc
153	<b><u>15MM DIA METER C.P. stop cock/ANGLE COCK: ITEM CODE :-304004291</u></b> Providing and fixing of 15mm dia meter c.p. stopcock /Angle cock Jaguar make of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc.
154	<b><u>C.P. BIB TAP(Short body): ITEM CODE :-304004292</u></b> Providing and fixing of long body c.p.bib tap (Short body) Jaguar make of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc.
155	<b><u>POWDER COATED 150MM DIA TOWEL RING: ITEM CODE :-304004293</u></b> Providing and fixing powder coated 150mm dia meter towel ring of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc. Make:Jaguar
156	<b><u>15MM PVC INLET WATER PIPE: ITEM CODE :-304004297</u></b> Supply and fixing of 15mm PVC inlet water pipe/ss material connection including cost and conveyance of all materials labour charges removing of old fittings etc
157	<b><u>C.P. GRATINGS: ITEM CODE :-304004299</u></b> Supply and fixing of C.P. gratings Heavy duty ss material including cost and conveyance of all materials labour charges removing of old fittings etc
158	<b><u>25MMDIAGIPIPE: ITEM CODE :-304004316</u></b> Supplying, fitting and laying 25MM DIAGI pipes of Meduimquality ('B class) of JINDAL/TATA with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors): A) 25mm nominal bore.
159	<b><u>15MMDIAGIPIPE: ITEM CODE :-304004317</u></b> Supplying, fitting and laying 15MM DIAGI pipes of Meduimquality ('B class) of JINDAL/TATA with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors): A) 15mm nominal bore
160	<b><u>20MMDIAGIPIPE: ITEM CODE :-304004318</u></b> Supplying, fitting and laying 15MM DIAGI pipes of Meduimquality ('B class) of JINDAL/TATA with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors): A) 20mm nominal bore.
161	<b><u>25MM DIA GATE VALVE" ITEM CODE :-304004319</u></b> Supply and fixing of 25mm dia meter gate valves of superior quality gun metal gate valves (full way) of leader make or equivalent with ISI mark including cost and conveyance of all materials, removing of old gate valves, and labour charges etc.MAKE-ZOLOTO
162	<b><u>15MM DIA GATE VALVE: ITEM CODE :-304004320</u></b> Supply and fixing of 15mm dia meter gate valves of superior quality gun metal gate valves (full way) of leader make or equivalent with ISI mark including cost and conveyance of all materials, removing of old gate valves, and labour charges etc.MAKE-ZOLOTO
163	<b><u>20MM DIA GATE VALVE: ITEM CODE :-304004321</u></b> Supply and fixing of 20mm dia meter gate valves of superior quality gun metal gate valves (full way) of leader make

	or equivalent with ISI mark including cost and conveyance of all materials, removing of old gate valves, and labour charges etc.MAKE-ZOLOTO
164	<b>STEEL FRAMES: ITEM CODE :-304004322</b> Supplying, fabricating and fixing in position, pressed steel frames for doors and windows manufactured from commercial steel sheet 1.2mm thick including provision of hinges, lock jams, beads, brace ties with 4.00mm pressed mild steel welded adjustable lugs with split tail end, mortar guards, lick strike plate, shock absorbers, etc. and painting with two coats of approved synthetic enamel paint over primer coat, and instructions of the Engineer, including provision and filling with PCC m-10c. a) for 126mm profile b) MAKE-DWARAKAOR EQUIVALENT
165	<b>65MM DIA PVC WATER PIPE: ITEM CODE :-304004324</b> Supplying, fitting and laying 50 MM DIA PVC WATER PIPE ofHEAVYquality with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification
166	<b>20MM DIA CPVC PIPE: ITEM CODE :-304004335</b> Supplying, fitting and laying 20MM DIA CPVC pipes( class -1/SDR-11 ) of of Asharwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):
167	<b>25MM DIA CPVC PIPE: ITEM CODE :-304004336</b> Supplying, fitting and laying 25MM DIA CPVC pipes ( class -1/SDR-11 ) of of Asharwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):
168	<b>20MM DIA CPVC VALVE: ITEM CODE :-304004343</b> Supply and fixing of Heavy duty 20mm dia meter CPVC valves Brass fitted of superior quality of ASHARWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE
169	<b>25MM DIA CPVC VALVE: ITEM CODE :-304004345</b> Supply and fixing of Heavy duty 25mm dia meter CPVC valves Brass fitted of superior quality of ASHARWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE
170	<b>REMOVING AND FIXING OFNEW CERMIC TILES: ITEM CODE :-304004349</b> Removing the existing ceramic tiles and refixing new tiles including cost and conveyance of all materials, labour charges etc.MAKE-JOHNSON/KAJARIA/NITCO
171	<b>RE-FIXINGPARTICLE BOARD FALSE CEILING: ITEM CODE :-304004353</b> Re-fixing of Particle board false ceiling incluig levelling, cost and conveyance of all materials, labour charges etc. (excluding particle board, powder coated false ceiling).
172	<b>200MMALUMINIUM HANDLE: ITEM CODE :-304004361</b> Supply and fixing of 200mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set
173	<b>100MMALUMINIUM HANDLE: ITEM CODE :-304004363</b> Supply and fixing of 100mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set
174	<b>BUTT HINGES-3"size: ITEM CODE :-304004365</b> Providing and fixing ball bearing Hinges3" size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set

175	<b>BUTT HINGES-4inch size: ITEM CODE :-304004366</b> Providing and fixing ball bearing Hinges 4inch size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set
176	<b>BUTT HINGES-5inch size: ITEM CODE :-304004367</b> Providing and fixing ball bearing Hinges 6inch size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set
177	<b>TOWER BOLTS(150MM): ITEM CODE :-304004371</b> Providing and fixing with 150mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set
178	<b>TOWER BOLTS(250MM):ITEM CODE :-304004372</b> Providing and fixing with 250mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set
179	<b>300MMALDROPS: ITEM CODE :-304004374</b> Providing and fixing with SS Heavy duty 300mm with screws including labour charges etc complete Make:Godrej/Dor set
180	<b>250MMALDROPS: ITEM CODE :-304004375</b> Providing and fixing with SS Heavy duty 300mm with screws including labour charges etc complete Make:Godrej/Dor set
181	<b>MORTICE LATCH75M: ITEM CODE :-304004376</b> Providing and fixing of Mortice latch 75mm with grip knobs including all materials etc make-godrej/door set
182	<b>DOOR CLOSER-60KG: ITEM CODE :-304004377</b> Supply and fixing of DOOR CLOSER-60KG including screws ,labour charges etc complete make-godrej/door set
183	<b>MORTISE HANDLE SET 250MM: ITEM CODE :-304004378</b> Supply and fixing of Mortise Handle set 250mm with Lock body and UERO profile cylinder 60mm both side key SC finish including screws ,labour charges transportation etc complete make-godrej/door set
184	<b>PUSH TYPE BIB TAP:- ITEM CODE :-304004383</b> Supply and fixing of push type Bib tap JAGUAR MAKE including labour transportation removing of existing tap including all materials etc complete
185	<b>PUSH TYPE PILLAR TAP: ITEM CODE :-304004384</b> Supply and fixing of push type Pillar-JAGUAR tap including labour transportation removing of existing tap including all materials etc complete
186	<b>ALUMINIUM WINDOWS:- ITEM CODE :-304004389</b> Supply and fixing fully glazed aluminium anodized hinged type window as per approved drawings using standard aluminium outer frame section of size 40 x 31.5 x 1.2mm thick (0.549 Kg per Mtr) and central mullion of size 40 x 31.5 x 00 mm ( 0.502 Kg per Mtr) and shutters styles made of anodized aluminium section 40 x 31.5 x 1.2mm thick and rails section of size 40 x 31.5 x 1.2mm thick using 4mm thick plain glass fitted with suitable aluminium glazing clips and rubber beading including supplying and fixing butt hinges (2 Nos. per shutter), handles(1 No per shutter) including aluminium anodized grill, including cost and conveyance to site of Aluminium sections glass, rubber beading, fixtures etc., including labour charges for manufacturing window, fixing in position using wooden blocks and sheet metal screws etc, complete for finished item of work including sun control film, (Aluminium sections used shall be standard make confirming to IS 1948-1961 and as approved by Engineer and fixtures shall be of ISI marked ) MAKE:JINDAL/Aparna
187	<b>ALUMINIUM WINDOW HANDLE:- ITEM CODE :-304004390</b> Supply and fixing of aluminium window handles including cost and conveyance of all materials labour

	charges etc
188	<b><u>32MM C.P. BRASS WASTE FITTINGS: ITEM CODE :-304004395</u></b> Supply and fixing of 32mm C.P. brass waste fittings including cost and conveyance of all materials labour charges removing of old fittings etc
189	<b><u>MAJOR REPAIR OF ALUMINIUM DOORS:- ITEM CODE :-304004396</u></b> Major repairing of all types of aluminium doors, adjustment of all types of door fittings, including major repairs for normal functioning of aluminium shutters including necessary minor materials(SS Made) cost and conveyance of all materials labour charges etc
190	<b><u>TOWER BOLTS(300MM):ITEM CODE:-304004398</u></b> Providing and fixing with 300mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set
191	<b><u>REMOVING OF A.C SHEET, ITEM CODE-304004402</u></b> REMOVING OF A.C SHEET INCLUDING SCAFFOLDING, LABOUR CHARGES, TANSPORTATION WITH IN A LEAD OF 1K.M, ETC.

# **ANNEXURE – II**

## **PART B**

### **(PRICE SCHEDULE FOR ADDITIONAL ITEMS WITH TECHNICAL SPECIFICATION)**

**(To be Quoted and submitted only in Cover 2 (Technical Bid))**

S. No.	Item	Quantity	Unit	Item wise Basic Rate	GST on Basic Rate	Total Amount with GST
1	<b>Plinth Protection:- ITEM CODE :-304004008</b> Providing Plinth protection with a bed of 100mm thick PCC (1:4:8) using 40mm size HBG metal and on top of PCC, 40mm thick granolithic concrete flooring with CC (1:1:2) prop. Using 6mm to 12mm size graded hard granite machine crushed metal laid monolithically already laid and finishing the top surface to required smoothness and slopes including Grooves, thread lining as directed by the Engineer - in - charge including cost and conveyance of all materials to site including seignior age charges, sales & other taxes on all materials and operational & incidental and labor charges like mixing of cement concrete, laying, curing, lift charges etc., complete including cost of CC bed for finished item of work. 1.Sand: Only River 2.Sand Cement: Ultratech / Ambuja /Bharathi cement.	1	SQ.M			
2	<b>V.R.C.C(1:1.5:3) prop. (Ready Mix):- ITEM CODE :-304004015</b> V.R.C.C(1:1.5:3) prop. (Ready Mix with River sand) Birla / L & T /IJM/ ultratech , using 12 to 20mm size well graded HBG machine crushed chips at all depths, heights and levels in all types of foundations, footings, columns up to parapet level, plinth beams, Tie beams, lintel beams, grade Slabs, cable trenches, and any other super structures including centering / shuttering charges cost and conveyance of all materials to site, labor charges, vibrating charges, curing with wet hessian cloth and all other incidental and operational charges etc. complete but excluding cost of steel and its fabrication charges	1	CU.M			

3	<b>SOLING WORK:- ITEM CODE :-304004027</b> Providing dry rubble stone soling 230 mm thick below grade slab and plinth protection including hand packing and compacting, blinding with moram soil, watering, consolidating by mechanical means etc. complete.	1	SQ.M			
4	<b>Stone Pitching:- ITEM CODE :-304004028</b> Supply and laying of of Dry stone pitching 22.5 cm thick for toe wall and embankment slopped portion including supply of stones and preparing the surface ,laying of stonesand jointing/pointing with CM (1:3) including cost and conveyance of all materials and labour charges etc complete for finished item of work Use River sand & Ultratech / Ambuja cement/bharathi.	1	SQ.M			
5	<b>Crack filler:- ITEM CODE :-304004030</b> Providing and applying Elastomeric Acrylic crack filler "POLYFILL AR" by Sunanda specialty coatings Pvt.Ltd. or equivalent. For filling of cracks in plaster, IPS cements sand screeds and other non-structural cracks. As per manufacturer's specifications. Rate to include preparation of surface opening of the cracks grooving grouting and curing.	1	RMT			
6	<b>Cement based water proofing treatment:- ITEM CODE :-304004034</b> Providing and laying integral cement based water proofing treatment including preparation of surface as required for Treatment of roofs, balconies, terraces etc., consisting of following operations. a) Applying and grouting a slurry coat of neat cement using 2.75Kg/Sqm of cement admixed with proprietary water proofing compound conforming to IS-2645 over the RCC slab including cleaning the surface before treatment. b) Laying cement concrete using broken bricks / brick bats 25mm to 100mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS-2645 over 20mm thick layer of cement mortar of mix 1:5 (1 cement : 5	1	SQ.M			

	coarse sand) admixed with proprietary water proofing similarly the adjoining walls up to 300mm height including rounding of junctions of walls and slabs. c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS - 2645. d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 ( 1 cement : 4 coarse sand) admixed with proprietary water proofing compound conforming to IS - 2645 and finally finishing the surface with trowel with neat Cement slurry and making 300 x 300 mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the engineer-in-charge. (Specification obtain from CPWD) Use River sand & Ultratech / Ambuja cement/bharathi Note: Contractor to provide 10 year warranty for any leakages, defects, cracks etc. on Rs. 100/- bond paper and is responsible for carrying out repair work until the expiration of warranty period.					
7	<b>White washing:- ITEM CODE :-304004035</b> white washing Three coats with LOVELY CEM or equivalent at all heights and locations including scrapping, iron brushing ,scaffolding ,cost and conveyance of all materials labour charges etc	1	SQ.M			
8	<b>SNOW CEM:- ITEM CODE :-304004036</b> Providing and applying SUPER SNOW CEM or equivalent water proof cement paint of approved shade ,two coats, over a coat of primer at all heights and locations including , scaffolding ,cost and conveyance of all materials labour charges etc	1	SQ.M			
9	<b>O.B.D Painting:- ITEM CODE :-304004037</b> Providing and applying 2coats of oil bound distemper asai n make)of approved make and shade overa coat of primer including ,putty, scsffolding	1	SQ.M			



	,cost and conveyance of all materials labour charges etc Make:Asain/					
10	<b>Royale Luxury emulsion paint:- ITEM CODE :-304004042</b> Providing and applying 3 coats of Royale Luxury emulsion paint of Asain make (colour shades as per Architect/ Owner) over a coat of primer as per specifications of the manufacturer. The rate shall include the cost of the priming coat and three coats of Birla make, "Wallcare", White cement based putty or equivalent & three coats of painting with necessary surface preparation. Including (any old walls) old surface scrapping, brushing, removing paint marks over windows, doors, flooring etc. complete. Makes: Asian make equivalent Berger paints	1	SQ.M			
11	<b>TEXTURE PAINTING:- ITEM CODE :-304004045</b> Providing & applying 100% acrylic water based textured exterior finish of Asian paints make Apex duracast Fine tex in single coat. Including surface preparation by removing dust, fungus, algae, loose paint etc. with wire brush and cleaning with water. Before application, surface imperfections such as holes, dents and cracks are to be filled with white sand and fine sand in the ratio of 1:3 or Asian pain wall putty. Rate to include application of exterior all primer(x2) prior to application of textured finish. Allow freshly plastered surfaces to cure before applying primer and textured finish. The textured pattern (Trowel, Scratch, Dholpur) shall be approved by Architect/ Owner. Makes:Asian make equivalent Berger paints	1	SQ.M			
12	<b>Royal play :- ITEM CODE :-304004046</b> Providing and applying of Royal play paints as per ARCI Approved design including base coats and designs ,labour charges transportation etc complete Make: Asain/Berger	1	SQ.M			

13	<p><b>Ironite Cement Concrete flooring:- ITEM CODE :-304004051</b>          Providing and laying Ironite Cement Concrete flooring in 2 layers of total thickness 50mm using R.C.C 1:2:4 mix with 19mm down stone chips(1 cement + 2 sand + 4 Down stone hard granite chips) as a 2nd layer using required quality of steel for matting and on which Ironite cement concrete flooring 20mm thick on top with concrete hardener 1:2 mix (1 part cement and hardener mix and 2 parts stone grit 6mm nominal size) by volume (the cement metallic hardener mix prepared by mixing 4 parts of cement and 1 part of metallic floor Hardener(Ironite Ferrolock or approved equivalent by weight). Entire work inclusive of surface preparation of substrata laying in panels with 1.5mm thick aluminum strips for full depth, rounding's, curing, finishing, sloping etc., all complete as per specification and directions of the engineer 50mm thick with 30mm under bed and 20mm topping including cost and conveyance of all materials and labor charges final finish with power trowel only Use River sand &amp; Ultratech / Ambuja cement,</p>	1	SQ.M			
14	<p><b>ACID AND ALKLI RESISTANT:- ITEM CODE :-304004052</b>          Providing and laying 300x300x7mm thick matt finished of approved color ACID AND ALKLI RESISTANT Industrial ceramic tiles ( First quality) of H&amp;R Johnson, ENDURA of specified sizes in flooring, Dadoing and in other places as shown in tiles laid on 25mm thick cement mortar bed or backing of mix 1:3, with joints properly aligned. Filled with proprietary cement grout with matching color, at all levels and locations to different patterns as per specifications, and direction of the Engineer all complete (glossy or mat finish as required). Tiles shall be beveled at the vertical corner joints and horizontal edge joints. Top of skirting/dado shall be finished smooth to line and level. Ceramic</p>	1	SQ.M			

	tiles:- Johnson make, Nitco make, Khazaria Use River sand & Ultratech / Ambuja cement, Jointing same color proprietary grout material.					
15	<b><u>Only Fixing of P.V.C flooring:- ITEM CODE :-304004055</u></b> Only Fixing of labour charges for P.V.C flooring including labour charges, solution / gum etc complete	1	SQ.M			
16	<b><u>Only Fixing of CARPET:- ITEM CODE :-304004056</u></b> Only Fixing of labour charges for CARPET including labour charges, solution / gum etc complete	1	SQ.M			
17	<b><u>Only Tin -oxide polishing charges:- ITEM CODE :-304004057</u></b> Only Tin -oxide polishing charges for marble slabs including cost conveyance of all materials etc.	1	SQ.M			
18	<b><u>Granite flooring :- ITEM CODE :-304004058</u></b> Providing & laying of approved quality granite leather finish granite stone flooring/mirror polished granite flooring using 18 mm thick as directed by engineer in -incharge for selection of granite, in cement mortar (1:4) and in average thickness of 30mm fixed with cement float ,including grooves etc. complete as directed .The Rate is including cost and conveyance of all materials, labour charges and all operational, incidental charges etc., complete for finished item of work. Base price of stone to be considered at Rs.2000/sq. mt. Granite stone size should be not less than 1500x750mm,_Use River sand & Ultratech / Ambuja cement,	1	SQ.M			
19	<b><u>Ball Bearings:- ITEM CODE :-304004061</u></b> Supply and fixing of Ball Bearings (Rolling shutter fittings including cost and conveyance of all materials labour charges etc Make:Tata Bearing	1	NO			
20	<b><u>Gear box:- ITEM CODE :-304004062</u></b> Supply and fixing of Gear box (Rolling shutter fittings) including cost and conveyance of all materials labour charges etc.	1	NO			

21	<b>40mm dia meter rod:- ITEM CODE :-304004063</b> Supply and fixing of 40mm dia meter rod (Rolling shutter fittings) including cost and conveyance of all materials labour charges etc.	1	RMT			
22	<b>ROLLING SHUTTER SPRINGS:- ITEM CODE :-304004064</b> Supply and fixing of ROLLING SHUTTER SPRINGS (Rolling shutter fittings) including cost and conveyance of all materials labour charges etc.	1	NO			
23	<b>ROLLING SHUTTER WITH MECHANICAL DEVICE:- ITEM CODE :-304004065</b> Supplying, fabricating and fixing of rolling shutters of approved make, as per IS 6248, made of M.S laths interlocked together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking, top over, spring, complete with two coats of synthetic enamel paint of approved shade and colour over a primer coat, making chases in wall/floor, grouting the clamps in PCC M-15C all complete as per specifications, and instruction of Engineer. a) With 80 x 1.25mm thick MS laths, with ball bearing and mechanical device for operation. MAKE;- DWAKA/VENKATESWARA OR EQUIVALENT	1	SQ.M			
24	<b>ROLLING SHUTTER WITH PUSH AND PULL:- ITEM CODE :-304004066</b> Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters and also including with two coats of	1	SQ.M			

	synthetic enamel paint of approved shade and colour over a primary coat, making chases in wall/floor, grouting the clamps in PCC M-15C in all complete as per specifications, and instructions of Engineer. The Rate is including cost and conveyance of all materials, 7 lever Godrej Nav-Tal lock with 3 keys for each shutter and also grill to be provided at two places above 0.9m height, labour charges and all operational, incidental charges etc., complete for finished item of work. 80x1.25 mm M.S. laths, with ball bearing and mechanical device for operation MAKE;-DWAKA/VENKATESWARA OR EQUIVALENT					
25	<b><u>Major Repairing of steel windows:- ITEM CODE :-304004069</u></b> Major Repairing of steel windows/M.S doors/M.S. Gates, adjustment of all types of above items fittings, including major repairs for normal functioning of above items including necessary minor materials, oiling, greasing, welding works, cost and conveyance of all materials, labour charges etc	1	NO			
26	<b><u>Minor repairing of steel windows:- ITEM CODE :-304004070</u></b> Minor repairing of steel windows/M.S. doors/M.S. Gates, adjustment of all types of above items fittings, including minor repairs for normal functioning of above items including necessary minor materials, oiling, greasing, welding works, cost and conveyance of all materials labour charges etc	1	NO			
27	<b><u>Steel window handles :- ITEM CODE :-304004071</u></b> Supply and fixing of steel window handles including cost and conveyance of all materials labour charges etc.	1	NO			
28	<b><u>CERAMIC standard FLUSH TANK:- ITEM CODE :-304004081</u></b> Supply and fixing of CERAMIC standard FLUSH TANK including cost and conveyance of all materials labour charges etc Make: Hinduware/cera/parry ware	1	NO			

29	<b>URINAL SPRIDLES:- ITEM CODE :-304004082</b> Supply and fixing of URINAL SPRIDLES including labour charges and minor materials etc complete Make:cera/parry ware/hinduware	1	NO			
30	<b>Sintex tank covers:- ITEM CODE :-304004085</b> Supply and fixing of Sintex tank covers all capacities including all materials etc complete	1	NO			
31	<b>1400mmx450mm Mirror:- ITEM CODE :-304004093</b> Providing and fixing of 5.5mm thick polished plate glass mirror of atul/saint gobins/Modi guard with 6mm thick asbestos sheet packing including fixing to wall by means of rawl plugs, etc. Size;1400mmx450mm	1	NO			
32	<b>600mmx900mm SIZE MIRROR:- ITEM CODE :-304004094</b> Providing and fixing of 5.5mm thick polished plate glass mirror of atul/saint gobins/Modi guard with 6mm thick asbestos sheet packing including fixing to wall by means of rawl plugs, etc. Size:600mmx900mm	1	NO			
33	<b>SEPTIC TANK:- ITEM CODE :-304004100</b> Supplying and fixing in position best quality precast RCC septic tank(size -900mm dia long 2.5m)both side closing, internal partitions, opening with manhole with covers, of approved make (IHP or equivalent) with all necessary excavation, fittings and accessories, complete, MAKE-HINDUSTAN HUME PIPE	1	NO			
34	<b>450MM RCC PIPE:- ITEM CODE :-304004101</b> Supplying and laying RCC non -pressure pipes of following Classes and diameters including Collars jointed with stiff mixture of cement mortar in 1;2 prpportion and aligningng , jointing etc, to correct slopes including all bye works complete as per specifications, and directions of the Engineer a) 450mm dia (NP-3 Class pipes)MAKE :HINDUSTAN HUME PIPES	1	RMT			

35	<b>25MM THICK MASTIC PAD:- ITEM CODE :-304004106</b> Providing 25 mm thick mastic pad in expansion joint of required size of best quality including aluminium sheet protection, cost and conveyance of all materials etc. complete in all floors.	1	SQ.M			
36	<b>WASH BASIN WITH OUT FITTINGS:- ITEM CODE :-304004110</b> SUPPLY AND FIXING OF WASH BASIN WITH OUT FITTINGS HINDUWARE MAKE INCLUDING TRANSPORTATION LABOUR CHARGES ETC COMPLETE Make :Hindu ware/parry ware/Cera	1	NO			
37	<b>FLUSH TANK HANDLE AT ANY MODEL:- ITEM CODE :-304004111</b> 109SUPPLY AND FIXING OF FLUSH TANK HANDLE AT ANY MO110DEL INCLUDING LABOUR AND MINOR MATERIALS ETC COMPLETE	1	NO			
38	<b>TOILET PAPER ROLE:- ITEM CODE :-304004112</b> supply and fixing of toilet paper role including labour charges etc complete	1	NO			
39	<b>CLEANING OF SEWAGE LINES:- ITEM CODE :-304004114</b> Cleaning of sewage lines including intermediate man holes and removing debries to ensure free flow of effluent upto septic tank including cost and conveyance of all materials labour charges etc.	1	RMT			
40	<b>BLOCKAGE OF EWC/ IWC:- ITEM CODE :-304004115</b> Blockage of EWC/IWC including P trap or S trap removing debries to ensure free flow of effluent upto gully trap including cost and conveyance of all materials labour charges etc.	1	NO			
41	<b>PEDESTAL TYPE W.CFOR PHYSICAL HADICAPE:- ITEM CODE :-304004124</b> Providing and Fixing white glazed vitreous china pedestal type water closet for physically handicaped (EWC) of superior quality 40 cm high conforming to Hindware make with ISI-mark, double trap sypohonic pattern, 'P' or 'S' trap with cistern with cover HSW No. 21004 or equivalent approved make ISI mark having 10 litres capacity with FLUSH TANK (Dual flushing system)	1	NO			

	syphon and valve less fittings (HSW or equivalent make) white colour solid plastic seat cover & lid of superior approved quality, CP brass bar hinges, 35 mm dia horizontal grab rail, screws,bolts,rubber,buffers,15mm dia CP inlet water pipe connection and concealed CP brass stop cock: fixing EWC to floor with necessary TW block and brass screws, all complete as per directions of the Engineer. MAKE-HINDUWARE					
42	<b><u>WALL MIXER WITH POWER COATED:- ITEM CODE :-304004125</u></b> Supply and fixing of wall mountes wall mixer including labou charges, removing of old wall mixer etc complete Make:jaguar	1	NO			
43	<b><u>WALL MIXER WITH CP COATING:- ITEM CODE :-304004126</u></b> Supply and fixing of wall mixer with cp coating including labour charges, removing of old wall mixer etc complete Make:jaguar	1	NO			
44	<b><u>POWER COATED SHOWERS:- ITEM CODE :-304004127</u></b> Supply and fixing of power coate showers including labour charges, removing of old shwer et complete Make:jaguar	1	NO			
45	<b><u>CP COATING SHOWERS:- ITEM CODE :-304004128</u></b> Supply and fixing of CP Coating showers Plumber including labiur charges ,removing old showers etc Make:jaguar	1	NO			
46	<b><u>WALL MOUNED EWC WITH FLUSH TANK:- ITEM CODE :-304004129</u></b> Supply and fixing ofWALL MOUNED EWC WITH FLUSH TANK (hind ware /parry ware/ceracompany) including labour charges, transportation , etcMAKE HINDUWARE	1	NO			
47	<b><u>TAPS GADDA(SPRINDLE) :- ITEM CODE :-304004130</u></b> Supply and fixing of pillar tap gadda/bib tap gadda/ stopcock gadda heavy duty including labiur charges	1	NO			
48	<b><u>SAND FILLING:- ITEM CODE :-304004131</u></b> Supply and laying of sand filling including labour charges transportation etc complete	1	NO			



49	<b>MAJOR REPAIRING OF KIRBY STANDARD SLIDIN:- ITEM CODE :-304004136</b> Major Repairing of Kirby standard sliding door including all materils,i.e sliding wheels all materials labour charges transportation including removing &refixing of sliding door ,scaffolding etc complete.	1	NO			
50	<b>MINOR REPAIRING OF KIRBY STANDARD SLIDIN:- ITEM CODE :-304004137</b> Minor Repairing of Kirby standard sliding door including minor materials, labour charges transportation including removing & refixing of sliding door ,scaffolding etc complete.	1	NO			
51	<b>CERAMIC EWC WITH CERAMIC TANK:- ITEM CODE :-304004140</b> Providing and fixing white glazed vitreous china ceramic water closet (EWC-Parry ware make)with cancelled ceramic flush tank of superior quality with ISI-mark, double trap symphonic pattern ,'P' or 'S' trap, Dual Flush system, with cistern capacity as per manufacturer, lid, Anti-microbial seat cover, fittings, closet etc. ,CP brass bar hinges, screws, bolts, rubber, buffers 15mm dia CP inlet water pipe connection and concealed push type jaguar make CP brass stop cock; fixing EWC to floor with necessary TW block & brass screws, all complete as per directions of the Engineer. MAKE-HINDUWARE/PARRY WARE	1	NO			
52	<b>A.C SHEET ROOFING:- ITEM CODE :-304004142</b> Roofing with AC sheets ,including ridges ,with G.I.U bolts ,nuts bitumen and metal washersand other materials required ,labour charges etc , complete including cost of AC sheets and ridges. MAKE-CHARMINAR/VISHAKA IST QUALITY TYPE	1	SQ.M			
53	<b>30MM THICK PAVING TILES:- ITEM CODE :-304004144</b> Supply and fixing of 30mm thick paving tiles of size 380mm x380mm with wear resistant coat of approved design and colour laid with cement slurry @3kg/sqm with grey cement and pigments including taking	1	SQ.M			

	cement and pigments including screed bed or bedding layer of 15mm thick in cement mortar 1;6 for laying finishes complete all as directed by engineer make-NITCO,KOTHARI/ULTRA/PHOENIX/DECO					
54	<b>5MM THICK TOUGHENED GLASS:- ITEM CODE :-304004145</b> Supply and fixing of 5mm thick toughened glass with frosting and approved design perching with reflective glass complete fixed on vertical surfaces with necessary clips /nut bolts etc complete	1	SQ.M			
55	<b>5.5MM THICK PLAIN GLASS:- ITEM CODE :-304004146</b> Supply and fixing of 5.5 mm thick plain glass(Atul/modi/SAINT GOBIN)) including putty, clips, rubber gasket cost and conveyance of all materials labour charges etc	1	SQ.M			
56	<b>5MM thick COOL /COLOUR GLASS:- ITEM CODE :-304004148</b> Supply and fixing of 5mm thick cool glass including cost and conveyance of all materials labour charges,putty, etc.MAKE-MODI/ATUL/saint gobin	1	SQ.M			
57	<b>5MM thick PINNED GLASS:- ITEM CODE :-304004149</b> Supply and fixing of 5mm thick pinned glass including cost and conveyance of all materials labour charges,putty, etc.MAKE-MODI/ATUL/saint gobin	1	SQ.M			
58	<b>SUPPLY AND FIXING OF CONTINUOUS HINGES:- ITEM CODE :-304004151</b> Supply and fixing of continuous hinges width of flaps 30mm (when open )mild steel bright finish or electro galvanized complete all as directed by engineer in charge.MAKE-EBCO	1	NO			
59	<b>RUBBERBUPPERS:- ITEM CODE :-304004155</b> Supply and fixing of Heavy duty rubber buffers including cost and conveyance of all materials labour charges etc. Make:Godrej	1	NO			
60	<b>DOOR CLOSERS FLUSH TYPE:- ITEM CODE :-304004156</b> supply and fixing of heavy duty hydraulic automatic door closers	1	NO			

	Godrej/door set (flush type) approved make cost and conveyance of all types of materials labour charges etc					
61	<b><u>PUSH AND PULL TYPE DOOR HANDLES:- ITEM CODE :- 304004158</u></b> Supply and fixing of Heavy duty push and pull type door handles including cost and conveyance of all materials labour charges etc. Make:godrej	1	NO			
62	<b><u>ALU DOOR PIVOT:- ITEM CODE :-304004161</u></b> Supply and fixing of Heavy duty Alu Door Pivott including cost and conveyance of all materials labour charges etc.	1	NO			
63	<b><u>Gypsum India board false ceiling:- ITEM CODE :-304004163</u></b> Providing and fixing 12.5 mm thick. Gypsum India board false ceiling at levels as shown in the drg. From FFL. Rate shall be inclusive of all Gypsum India components contained G.I. perimeter channels of size 0.55 thick having one flange of 20mm and another flange of 30mm and a web of 27mm along with perimeter of ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610mm centers. The suspending G.I.intermediate channels of size 45mm, 0.9mm thick with two flanges of 15mm each from the soffit at 1220mm centers with ceiling angle of width 25mm x 10mm x 0.55 thick fixed to soffit with G.I. cleat and steel expansion fasteners at every 610mm c/c. Ceiling sections of 0.55mm thickness having knurled web of 51.5mm and two flanges of 26mm each with lips of 10.5mm are then fixed to intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm centers.The boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edge of the boards with jointing compound & joint paper tape. Rate shall be inclusive of any vertical ceiling part, spot, tube light, a. C. Grills, fire	1	SQ.M			

	and security systems cut outs, All Sections should adhere to the 12.5mm tapered edge Gypboard is then screw fixed to ceiling section with 25mm drywall screws driver or drilling machine with suitable attachment. Manufacturer's guidelines and contractor has to submit the Gypsum India certificate on using the India Gypsum sections & boards. Refer attached sheet along with drawings for details.					
64	<b><u>PARTICAL BOARD FALSE CEILING:- ITEM CODE :-304004165</u></b> Providing and fixing in position false ceiling with semi perforated particle board and the following specifications. a).Making the frame work with 2 x 25 x 1.5mm thick aluminium Tees and Angles of the size of 2" x 2' b).Suspension of frame from the roof with 6mm MS Rods at every 1m distance and having adjustable springs for leveling purposes ,with suitable provision for tube light fittings, all complete as per direction of engineer c).placement of 12mm thick gypsum board tiles in the grid and locking d).Apply of 2coats of colour maching to the room colour of obd paint to the tile	1	SQ.M			
65	<b><u>ARMSTRONG BOARD FALSE CEILING TILES:- ITEM CODE :-304004168</u></b> Supplying and fixing aluminum composite cladding of approved make (Alucopanel, alucobond, Reynobond, , Alpolic, Alcomat, etc.,) with skin material 0.5 mm thick aluminum sheet cover material natural polyethylene aluminum cladding panel fixed with extruded aluminum basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labor charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, ACP Cladding - 5 mm thk with tray type fixing arrangement. Provide and fix GI sheet 2 mm thick	1	SQ.M			

	with other necessary supports for fixing stainless steel letters on ACP CLADDING.(co-ordinate with signage contractor for location and size of GI plate)MAKE-AUCO BOARD/AL[POLIC					
66	<b><u>ALUMINUM COMPOSITE CLADDING:- ITEM CODE :-304004169</u></b> Supplying and fixing Exterior grade aluminum composite cladding of approved make (Alucopanel, alucobond, Reynobond, , Alpolic, Alcomat, etc.,) with skin material 0.5 mm thick aluminum sheet cover material natural polyethylene aluminum cladding panel fixed with extruded aluminum basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labor charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, ACP Cladding - 5 mm thk with tray type fixing arrangement. Provide and fix GI sheet 2 mm thick with other necessary supports for fixing stainless steel letters on ACP CLADDING.(co-ordinate with signage contractor for location and size of GI plate)MAKE-AUCO BOARD/ALPOLIC	1	SQ.M			
67	<b><u>HEAVY DUTY SS RAILING SYSTEM WITH CUBE MODEL:- ITEM CODE :-304004170</u></b> Heavy Duty SS railing system Providing and fixing modular Heavy duty Stainless steel (grade187SS 304) railing system of 42 inches high consisting of 1.5 inchdiameter hand rail and assist rail. The maximum post spacing tobe at every third step. The finish to be 6 (380 Grit) BrushedSatin. The entire system to be engineered and installed by hemanufacturer. Basis of Design VIVA / V-RAIL specification Railings	1	RMT			
68	<b><u>HEAVY DUTY SS RAILING SYSTEM WITH GUARD:- ITEM CODE :-304004171</u></b> Heavy Duty SS railing system Providing and fixing modular Heavy duty Stainless steel (gradeSS 304) railing system of	1	RMT			

	42 inches high consisting of 1.5 inch diameter hand rail and assist rail. The maximum post spacing to be at every third step. The finish to be #6 (380 Grit) Brushed Satin. The entire system to be engineered and installed by the manufacturer. Basis of Design VIVA / VRAIL specification Railings Model Guard Rail					
69	<b>HORIZONTAL VENATION BLINDS:- ITEM CODE :-304004172</b> supply and fixing of venation blinds (horizontal) of approved colour make including labour charges cost & conveyance of all materials etc. MAKE; VISTA/MAK	1	SQ.M			
70	<b>ROLLER VENATION BLINDS:- ITEM CODE :-304004174</b> Supplying and Fixing of ROLLER Venetian blinds Vista/MAK make with all accessories including cost and conveyance of all materials and fixing charges etc., complete for finished item of work at all heights	1	SQ.M			
71	<b>FLUSH DOORS:- ITEM CODE :-304004175</b> Supplying and fixing solid core flush door shutters (35mm thick) of KUTTY/GREEN PLAY or equivalent approved make conforming to IS : 2202 (with ISI marking) and specifications, with two coats of synthetic enamel paint of approved make and shade, cleats, recesses, rubber back-rests etc., including hard ware standard fittings:	1	SQ.M			
72	<b>COMMERCIAL FINISH DOOR: ITEM CODE :-304004176</b> Supplying and fixing solid core flush door shutters of KUTTY/GREEN PLAY or or equivalent approved make single or double hung in doors conforming to IS : 2202 (with ISI marking ) and specifications, with cleats, recesses, rubber back-rests etc., including standard hard ware fittings: a) 35 mm thick both faces commercial finish with two coats of synthetic enamel paint of approved make and shade and Godrej navatalal 7 Levers lock at 3 keys at each door one no, each shutter one no Everite door closer -	1	SQ.M			

	1no					
73	<b><u>BOTH FACE TEAK FINNESH FLUSH DOOR: ITEM CODE :-304004177</u></b> Supplying and fixing solid core flush door shutters of KIUTTY/GREEN PLAYor wood crafts or equivalent approved make single or double hung in doors conforming to is : 2202 (with ISI marking ) and specifications, with cleats, recesses, rubber back-rests etc., including standard hard ware fittings: a). 35mm thick both face teak finish	1	SQ.M			
74	<b><u>KITPLYDOOR: ITEM CODE :-304004178</u></b> Supplying and fixing 35mm thick panelled door shutters of "Kitply" or approved equivalent make with ISI marking and specification for single or double hing doors with two coats of synthetic enamel paint of approved make and shade, cleats, recesses, rubber back-rests, etc., including standard hard ware fittings, all as per drawings and directions of the engineer	1	SQ.M			
75	<b><u>DECORATIVE PVC DOORS: ITEM CODE :-304004180</u></b> Decorative PVC doors Supplying and fixing of Solid routed decorative PVC laminated doors as per ISI IS: 2202 (part 1) 1999 Flush doors-Solid core, Finger jointed style & rail vacuumed pressed, chemically treated borer free (VPT), hot pressed BWP Grade bonded with Phenol Formaldehyde Resin. Solid Routed and laminated with 0.35mm thk, UV coated, Decorative PVC sheets (both side) as per IS 2202 with approved shades of PVC by Architect/Client. The hardware includes Godrej make. Hinges (3 nos) of size 100x75x3 with SS304 satin finish (Model no- 7903), Door handle (2nos) of 150mm with SS304 satin finish, Aldrop (1 nos) of size 200x16mm with SS304 satin finish (Model no-8539) and Tower bolts (1 nos) with SS304 satin finish (Model no-8577) complete MAKE-SINTEX,HARD WARE-GODREJ/DOOR SET	1	SQ.M			

76	<b>GODREJ LOCKS 5 LEVERS: ITEM CODE :-304004182</b> Supply of Godrej Navatal 5 levers with 3 keys including cost and conveyance, etc.	1	NO			
77	<b>6MM THICK KIT PLAY WATER PROOF PLY WOOD: ITEM CODE :-304004185</b> Supply and fixing of 1 6mm thick kit play water proof ply wood ISI Mark including all materials ,fevical labour charges etc complete. Make:Green Play	1	SQ.M			
78	<b>10MM THICK KIT PLAY WATER PROOF PLY WOOD: ITEM CODE :-304004186</b> Supply and fixing of 10mm thick kit play water proof ply wood ISI Mark including all materials ,fevical labour charges etc complete. Make:Green Play	1	SQ.M			
79	<b>12MM THICK KIT PLAY WATER PROOF PLY WOOD: ITEM CODE :-304004187</b> Supply and fixing of 12mm thick kit play water proof ply wood ISI Mark including all materials ,fevical labour charges etc complete. Make:Green Play	1	SQ.M			
80	<b>Garware film: ITEM CODE :-304004191</b> Providing and fixing garware film on glazing of size 8" x 2' above the handle of solid flush door as per instruction given by Architect/ Owner.	1	SQ.M			
81	<b>Curb Stone: ITEM CODE :-304004192</b> Providing and installing precast concrete curbs 600 mm long X 150-120 mm thick X 300 mm high at the main entrance and as directed including setting out, excavation, leveling, compacting, over 100 mm thick PCC concrete base and concrete benching( 1:3:6 mix ) disposal of surplus earth, backfilling, complete as directed by Engineer in Charge	1	RMT			
82	<b>Preparation of road sub-base: ITEM CODE :-304004193</b> Preparation and consolidation of sub grade with power roller of 8 to 12 ton capacity after excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road roller including making good the undulation etc . and re-rolling the sub	1	SQ.M			



	grade and disposal of surplus earth with lead up to 50meters.					
83	<b>WBM Road 200MM THICK: ITEM CODE :-304004194</b> Water Bound Macadam(WMB) Providing consolidated 200mm thick in two layers of 100mm compacted thickness each with coarse aggregate (granite) of grading 2 (63 to 40mm size) spread rolled and consolidated to gradient and camber required using power roller exceeding 8 tons and not exceeding 12 ton as specified and as directed	1	SQ.M			
84	<b>BITUMEN MACADAM OF 50MM THICK: ITEM CODE :-304004195</b> Preparing the WBM surfaces by brushing with wire brushes for removing of caked mud etc., sweeping with brooms and finally fanning the cleaned surfaces with gunny bags to remove all loose dirt etc, and applying evenly a priming/ tack coat with bituminous primer using paving bitumen 10kg per 10 sqm and laying bituminous premixed carpet, 50mm compacted thickness using coarse aggregate of size 20mm graded @.60cum per 10sqm key aggregate of size 12.5mm graded @.15cum per 10sqm. With paving asphalt grade VG-10@50kg/10sqm. by hot mix process laid by mechanical paver and rolled and compacted to required camber and gradient using 8 to 10 ton power roller to a uniform smooth surfaces complete all as specified and directed by Engineers in charge.	1	SQ.M			
85	<b>Kota stone flooring: ITEM CODE :-304004197</b> Providing and laying Kota stone tiles machine cut in flooring & skirting with 25-30mm thick, size of the flooring to match with the existing corridor, set in cement mortar 1:4, 40mm thick with neat cement float with machine polish at site etc. complete as specified and directed.	1	SQ.M			

86	<b>Red soil: ITEM CODE :-304004199</b> Providing and Laying in red soil/ sweet soil for plantation. Item includes transportation, leveling, watering, compacting etc as per the instructions of the Engineer in-charge	1	CU.M			
87	<b>IPS FLOORING: ITEM CODE :-304004200</b> Providing and laying Cement concrete flooring of 40 mm thk with M-15 cement concrete (1:2:4 (1 cement : 2coarsed sand : 4 gratted stone aggregate) laid to proper line level of 0.0 including compaction, filling joints, finished smooth with a floating coat of neat cement slurry, curing and vacuum dewatered finishing complete	1	SQ.M			
88	<b>BT ROAD ABOVE PAINTING DIRECTION:- ITEM CODE :-304004201</b> Painting two coats with Proprietary road marking paint Asian make to for 100mm line bands, painting lines, dashes, arrows and letter etc on above cement flooring, road pavement including cost conveyance of all materials transportation etc	1	RMT			
89	<b>Wooden solid flooring:- ITEM CODE :-304004202</b> Wooden solid flooring reputed Make at all heights conforming to the norms of European Standard Pr EN13329 shall be minimum 10mm thick consisting of a high density fibre board (HDF) core with a design layer on top protected by a highwear and scratch resistant overlay, and a melamine backing at the bottom with the quality of Direct Pressure Laminate (DPL). over a high moisture resistant polyethylene sheet and cross linked polymer based intermediate overlay and using D3 grade PVAc glue and installed by a trained applicator with Accessories -Skirting - Minimum 100mm high of the same colour/matching. Profiles - Door edges must be covered with galvanised aluminium profiles with similar design for higher strength and long life. The flooring must include all accessories including a profile required respect with material, labour required	1	SQ.M			

	for the complete item with all materials as per approved specifications and drawings and as directed by the ARCI Engineer/ as per architects suggestion					
90	<b>Melaminepolishwork:- ITEM CODE:-304004203</b> Providing and polish work for old veener with materials ,incuding labour charges etc complete as per architects/ARCI suggestion.	1	SQ.FT			
91	<b>Wooden laminate flooring:- ITEM CODE :-304004204</b> Wooden laminate flooring reputed make at all heights conforming to the norms of European Standard Pr EN13329 shall be minimum 10mm thick consisting of a high density fibre board (HDF) core with a design layer on top protected by a highwear and scratch resistant overlay, and a melamine backing at the bottom with the quality of Direct Pressure Laminate (DPL). over a high moisture resistant polyethylene sheet and cross linked polymer based intermediate overlay and using D3 grade PVAc glue and installed by a trained applicator with Accessories -Skirting - Minimum 100mm high of the same colour/matching. Profiles - Door edges must be covered with galvanised aluminium profiles with similar design for higher strength and long life. The flooring must include all accessories including a profile required respect with material, labour required for the complete item with all materials as per approved specifications and drawings and as directed by the ARCI Engineer/ as per architects suggestion	1	SQ.FT			
92	<b>WALL PAINT POP Punning:- ITEM CODE :-304004205</b> Providing & laying Punning on walls with plaster of paris to required thickness[thickness of POP 8mm -12MMas per site condition] to mend flaws , Alignment , angles ,corners & edges , the existing ceiling tiles having holes in them be filled with POP, so as to obtain a smooth finish. finished surface to be smooth and the item	1	SQ.FT			

	includes pads or scaffolding etc. complete in all respect to the satisfaction of Architect / ARCI Engineer					
93	<b>CEILING PAINT:- ITEM CODE :-304004206</b> Providing and applying 3coats of Royal luxury emulsion paint of Asian make over a coat of primer as per specification of manufacture .The rate shall include the cost of the priming coat and three coats of birla make wall care white cement based putty or equivalent and three coats of painting with surface preparation, old surface scrapping, brushing as per architects/ARCI suggestion,	1	SQ.FT			
94	<b>panelling on wall:- ITEM CODE :-304004207</b> Providing and fixing panelling on wall. Framing shall consist of ply wood section 2" x 1" @ 2'-0" C/C minimum bothways horizontally and vertically on the wall. The framing would be covered by 8mm Thk. ply finished in approved 4mm Thk. WENGE VEENER/TEAK VEENER/SMOKED SAPHELI VEENER . The size of the T.V unit would be 7'-0"X10'-0", moulding, lipping etc.shall be provided wherever required The wall has 4 wooden fins polished with melamine and covered with approved veneer as per architects/ARCI suggestion.	1	SQ.FT			
95	<b>MAIN ENTRY DOOR:- ITEM CODE :-304004208</b> MAIN ENTRY DOOR (Frame+material+Veneer+polish) Providing and fixing of solid ply door with green ecotech ply/Meridia/ equivalent with ISI mark 303 termite proof of 35mm thick finished with approved 4mm thick WENGE VEENER/ Teak veneer/smoked sapheli . on both sides complete with 15" handle with door closer SShinges-4nos ,both side and edges to be melamine polish and the veneer also ,including all labour charges transportation etc complete as per architects/ARCI suggestion	1	SQ.FT			

96	<b>4mm thick WENGE VEENER:- ITEM CODE :-304004209</b> Providing and fixing of 4mm thick WENGE VEENER/ Teak veneer/smoked sapheli .on both sides complete with 15" handle with door closer SShinges-4nos ,both side and edges to be melamine polish and the veneer also , Including the labour and transporattion, with final finishes with necessary hardware as per architects/ARCI suggestion. Make: Green play	1	SQ.FT			
97	<b>TV unit box:- ITEM CODE :-304004210</b> providing and fixing the Director table with the measurment of 5'-0" in length X 1'-6" in depth X1'-0" height. Table is made of box type section with green ecotech ply/Meridia/ equivilalent with ISI mark 303 termite proof . The top finish would be 4mm WENGE VEENER/ Teak veneer/smoked sapheli . Veneer finish would be with melamine polish. The top finish should be matched to the Veneer finish of the director tabel. Along with.& wood carved beading with measurements of 3" wide and 1/2" thk and height is 2'-6"(APP 18 RFT) and 2" wide and 9mm thk .(App36RFT) &2" wide and 9mm thk(28.30RFT)& 3" wide and 1/2" thk(App 14RFT) &2" wide and 9mm thk(APP 26RFT)& 3" wide and 1/2" thk (APP 10RFT) The top finish should be matched to the Veneer finish of the director tabel. Including the polish work, labour and transportation, with necessary hardware as per architects/ARCI suggestion	1	SQ.FT			
98	<b>BACK SIDE WARDROBE:- ITEM CODE :-304004211</b> Providing and fixing of Back side ward drope with the measurment of 14'-0" in length X 1'-6" in depth X7'-0" height. Table is made of box type section with green ecotech ply/Meridia/ equivilalent with ISI mark 303 termite proof . The top finish would be 4mm WENGE VEENER/Teak veneer/smoked sapheli. Veneer finish would be with melamine polish .Including teak woodcarved beading with	1	SQ.FT			

	<p>measurments of 3" wide and 1/2" thk .(app57.25 RFT) &amp; WARDROBE TOP &amp; BOTTOM Beading providing and fixing of teak woodcarved beading with measurments of 3" wide and 1/2" thk(APP52.16RFT)&amp; teak woodcarved beading with measurments of 2" wide and 9mm thk(APP 52.16RFT) The top finish should be matched to the Veener finish of the director tabel. Including the laboupolish work,labour, and transporattion with final finishes with necessary hardware as per architects/ARCI suggestion</p>				
99	<p><b>Side table:- ITEM CODE :-304004212</b> Providing and fixing the side table with the measurment of 6'-0" in length X 1'-10" in depth X2'-2" height. Table is made of box type section with green ecotech ply/Meridia/ equivilalent with ISI mark 303 termite proof . The top finish would be 4mm WENGE VEENER/ Teak veener/smoked sapheli . Veener finish would be with melamine polish. Including the labour and transporattion with final finishing with necessary hardware as per architects/ARCI suggestion</p>	1	SQ.FT		
100	<p><b>Table:- ITEM CODE :-304004213</b> Providing and fixing the table with the measurement of 9'-3" in length X 3' in depth X2'6" height. Table is made of box type section with green ecotech ply/Meridia/ equivilalent with ISI mark 303 termite proof. The top finish would be 4mm WENGE VEENER/ Teak veener/smoked sapheli . Veener finish should be with melamine polish. Teak wood carved beading with measurments of 3" wide and 1/2" thk (app 62.16RFT) &amp;2" wide and 9mm thk(40RFT) &amp; Vertical design beading 3" wide and 1/2" thk and height is 2'-6"(app 10RFT) . The top finish should be matched to the Veener finish . Including the polish work. labour and transporattion,with necessary hardware as per architects/ARCI suggestion</p>	1	SQ.FT		

101	<b>Hiring of Tractor:- ITEM CODE :-304004214</b> Hiring of Tractor 8hours operationincluding labour-4nos with driver-1no etc for shifting of disposal materials from ARCI Inside to out side scrap yard	1	DAY			
102	<b>MAKING OPENINGS FOR AC(800X600MM) :- ITEM CODE :-304004215</b> Making openings in walls etc. at all heights above floor level for fixing AC units fans etc. of various sizes as given below including fixing wooden frames for AC units, Providing and embedding wooden plugs as required for A.C UNITS, making good the damages done to adjoining areas ,including finishing with cement plaster to match with the existing surfaces scaffolding,curing disposing disposingthe debries with in alead of 500m etc	1	NO			
103	<b>MAKING OPENINGSFOR AC FRAMES(900X750MM) :- ITEM CODE :-304004218</b> Making openings in walls etc. at all heights above floor level for fixing AC units fans etc. of various sizes as given below including fixing Take wooden frames for AC units, Providing and embedding wooden plugs as required for A.C UNITS, making good the damage done to adjoining areas ,including finishing with cement plaster to match with the existing surfaces scaffolding,curing disposingthe debries with in alead of 500m etc	1	NO			
104	<b>ONLY FIXING OF COBBLE STONE:- ITEM CODE :-304004219</b> Only fixing of cobble stone including sand, levelling cost and conveyance of all materials etc. (excluding cobble stone)	1	SQ.M			
105	<b>ALUMINIUM GRILL APROVED DESIGN:- ITEM CODE :-304004225</b> supply and fixing of Anodised ALUMINIUM GRILL not exceding 4kg/sq cm APROVED DESIGN including anodised aluminuim beading alround ,fixing charges transportation etc complete	1	SQ.M			

106	<b>ALUMINIUM NOTICE BOARD:- ITEM CODE :-304004228</b> SUPPLY AND FIXING OF ANODISED SECTIONS (101.60X44.45X2.00MM ALUMINIUM FRAME WITH 12MM THICK SOFT WOOD WITH VELVET CLOTH AND SLIDING 5MM THICK PLAIN GLASS DOORS WITH LOCKING ARRANGEMENTS_Make;Jindal	1	SQ.M			
107	<b>25MM THICK BOTH SIDE LAMINATION NAVOPAN:- ITEM CODE :-304004229</b> SUPPLY AND FIXING OF 25MM THICK BOTH SIDE LAMINATION NAVOPAN INCLUDING LABOUR ,TRANSPORTATION ETC COMPLETE_Make;Jindal	1	SQ.M			
108	<b>19MM THICK BOTH SIDE LAMINATION NAVOPAN:- ITEM CODE :-304004230</b> SUPPLY AND FIXING OF 19MM THICK BOTH SIDE LAMINATION NAVOPAN INCLUDING LABOUR TRANSPORTATION ETC COMPLETE	1	SQ.M			
109	<b>GYPSON BOARD FALSE CEILING:- ITEM CODE :-304004237</b> Providing and fixing 12.5 mm thick. Gypsum India board false ceiling at levels as shown in the drg. From FFL Rate shall be inclusive of all Gypsum India components contained G.I. perimeter channels of size 0.55 thick having one flange of 20mm and another flange of 30mm and a web of 27mm along with perimeter of ceiling, screw fixed to brick wall or partition with the help of nylon sleeves and screws, at 610mm centers. The suspending G.I. intermediate channels of size 45mm, 0.9mm thick with two flanges of 15mm each from the soffit at 1220mm centers with ceiling angle of width 25mm and 10mm and 0.55 thick fixed to soffit with G.I. cleat and steel expansion fasteners at every 610mm centre to centre. Ceiling sections of 0.55mm thickness having knurled web of 51.5mm and two flanges of 26mm each with lips of 10.5mm are then fixed to intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm	1	SQ.M			



	centers.The boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edge of the boards with jointing compound and joint paper tape. Rate shall be inclusive of any vertical ceiling part, spot, tube light, a. C. Grills, fire and security systems cut outs, All Sections should adhere to the 12.5mm tapered edge Gypboard is then screw fixed to ceiling section with 25mm drywall screws driver or drilling machine with suitable attachment. Manufacturers guidelines and contractor has to submit the Gypsum India certificate on using the India Gypsum sections and boards. Refer attached sheet along with drawings for details.Make Indian Gypsum Make					
110	<b>CEMENT CONCRETE FLOORING OF 100 MM THICK:- ITEM CODE :-304004240</b> Providing and laying cement concrete flooring of 100 mm thickwith concrete hardener topping, under layer 88 mm thick cement 179concrete (1:11/2:3) (1 cement : 11/2 sand : 3graded stoneaggregate 20mm nominal size) with nominal steel and top layer12mm thick cement hardener consisting of mix 1:2 (1 cementhardener mix : 2 graded stone aggregate 6 mm nominal size byvolume, hardening compound of approved make & brand mixed at 2 lit/50 kg of cement or as per manufacture specification. Therate includes cost of centering if any all, including cost andconveyance of all materials, labour charges and all operational, incidental charges etc., complete for finished item of work.but excluding cost of steel which will be paid separately andfinished smooth to level for finished item of work	1	SQ.M			
111	<b>ULTIMA (MICRO LOOK)EDGE TILES:- ITEM CODE :-304004241</b> Providing & Fixing of Armstrong Mineral Fibre AcousticalSuspended Ceiling System with ULTIMA (MICRO LOOK)EDGE TILES WITH ARMSTRONG SILHOUETTE	1	SQ.M			

	<p>EXPOSED GRID. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.70, Light Reflectance 90%, Thermal Conductivity k 0.052 0.057 w/m K, Colour White, Fire Performance A2-s1.d0 in module size of 300 X 1200 X 19 mm with Bio Block coating in the front &amp; back of the tile, suitable for Green Building application, with Recycled content of 70 to 80%. The tile shall be laid on Armstrong Silhouette profile grid system with 15mm white flanges incorporating a 6mm central reveal in white/black 186 colour. Silhouette, Main Runners &amp; Cross Tees to have mitred ends and birdsmouth notches to provide mitred cruciform junctions. The T Sections have a Galvanizing of 90 grams per M<sup>2</sup> and passed through 500 hrs of Salt test. The Tile &amp; Grid system used together should carry a 15 year warranty. INSTALLATION: To comprise main runner (with 300mm spaced mitre cut) spaced at 1200mm centres securely fixed to the structural soffit using Armstrong suspension system (specifications below) at 1200mm maximum centre &amp; not more than 150mm from spliced joints. The First/Last Armstrong suspension system at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mm long cross tees (without central mitre cut) to be interlocked between main runners at 300mm centre to form 1200 x 300 mm module. Cut cross tees longer than 600mm require independent support. Perimeter trim to be Armstrong shadow wall molding (dimensions: 19x7x7x14mm), secured to walls at 450 mm maximum centres. The Rate is including cost and conveyance of all materials, labour charges and all operational, incidental charges etc., complete for finished item of work.</p>					
112	<p><b>300MM DIA RCC PIPES:- ITEM CODE :-304004242</b> Supplying and laying RCC non -pressure pipes of 300mm diameters including</p>	1	RMT			

	Collars jointed with stiff mixture of cementmortar in 1;2 proportion and aligning , jointing etc, to correct slopes including all bye works complete as per specifications,and directions of the Engineer.The Rate is including cost and conveyance of all materials, sales and other taxes on allmaterials, labour charges and all operational,incidental chargesetc., complete for finished item of work.a) 300mm dia(NP-3 Class pipes)					
113	<b><u>20MM THICK MARBLE SLA:- ITEM CODE :-304004247</u></b> Providing and laying flooring of approved shade and quality machine cut and machine polished stones as under, in floors and other places at all levels and locations, in required sizes and patterns, stones being laid over a cement-sand mortar bed (1:5) 20mm thick, joints filled and finished with appropriate cementing material, sloping if required, curing, etc., all complete and directions of the Engineer. a) With 20mm thick Marble stone.	1	SQ.M			
114	<b><u>BARBEDWIRE:- ITEM CODE :-304004249</u></b> Refixing of barbed wire including cost and conveyance of all materials labour charges etc.	1	RMT			
115	<b><u>GALVANISED WIRE:- ITEM CODE :-304004250</u></b> SUPPLY AND FIXING OF GALVANISED IRON BARBED WIRE INCLUDING COST AND CONVEYANCE OF ALL MATERIALS LABOUR CHARGES ETC.,	1	RMT			
116	<b><u>ROOFING WITH FIBRE SHEET:- ITEM CODE :-304004251</u></b> Roofing with fibre sheets, including ridges, with G.I 'U' bolts, nuts, bitumen and metal washers and other materials required, labour charges etc., complete including cost of fibre sheets and ridges	1	SQ.M			
117	<b><u>ROLLING SHUTTER SPRINGS:- ITEM CODE :-304004252</u></b> Supply and fixing ofROLLING SHUTTER SPRINGS (Rolling shutter fittitgs) including cost and conveyance of all materials labour charges etc	1	NO			

118	<b>15MM plastic TAPS:- ITEM CODE :-304004254</b> Providing and fixing of 15mm dia meter 15MM PLASTIC HEAVY TYPEBIB TAP/STOP COCK/ PILLAR TAP of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc.PLASTIC HEAVY TYPE TAP	1	NO			
119	<b>SUPPLY AND FIXING OFSECONDCLAS HARD WOOD:- ITEM CODE :-304004257</b> SUPPLY ANDmaking/ FIXING OFSECONDCLAS HARD WOODincluding labour charges, minor materials etc complete	1	CU.M			
120	<b>GRINDING&amp;WAX POLISHING LABOURCHARGES:- ITEM CODE :-304004258</b> Only Grinding & polishing chargesfor terrazotiles flooring including cost conveyance of all materials etc	1	SQ.M			
121	<b>SUPPLY &amp; LAYING 40MM METAL:- ITEM CODE :-304004259</b> Supplying and laying of 40mmHBM metal including Labour charges, etc complete	1	CU.M			
122	<b>100X45 MM TEAK WOOD HAND RAIL:- ITEM CODE :-304004260</b> Supply and fixing of 100 x 45mm Teak Wood Hand Rail includingcost &conveyance of materials ,polishing, labour charges for fixing in position etc, complete for finished item of work	1	RMT			
123	<b>CONMIX DECORATIVE PLASTER:- ITEM CODE :-304004261</b> Supplying and painting of Conmix Decorative Plaster Roll Esay - SP 1 ( for external surface ) should be applied over a poprtland cement based render mix type - II (BS 5262 ) which is rough finished using either a wood or plastic float.Where the render is to be applied over dissimilar background i.e., concrete and block work ( prior to the application of SP 1), it is important that the substrates are sound, free of undue shrinkage, structural,tensile and thermal movements.the back ground for application of SP 1	1	SQ.M			

	should be clean, free of dust deposits, loose mortar, chemical impurities (salts, and sulphates) and other contaminations, which may adversely affect adhesion and cause variations in colour of the SP 1. at all heights and locations with all bye-works complete as per manufacturer's specification and directions of the Engineer. Including cost and conveyance of all materials and labour charges etc., complete for finished item of work. MAKE-SPECTRUM					
124	<b>INTER LOCKING TILES:- ITEM CODE :-304004262</b> Providing and laying with Interlocking tiles 65 mm thick of approved colour, shade and shape laid over sand bed of 40 mm thick including cost and conveyance of materials, duly levelling the existing ground labour charges for laying etc., complete for finished item of work. (and locations to different patterns as per specifications, and direction of the Engineer all complete	1	SQ.M			
125	<b>PVC DOOR FRAME WITH SHUTTER:- ITEM CODE :-304004264</b> Supply and fixing of PVC door frames made of hollow PVC Section Supply and fixing of door shutter made out of PVC Hollow extruded section (SINTEX MAKE 105 SECTION) having dimensions of 78mm x 28mm with wall thickness of 1.5mm with necessary tapering to house Bison Lam thickness of 12mm. All the four corners are jointed with PVC 'L' brackets of size 4" x 8" (101.6mm x 203.2mm) and the PVC lipping is filled with well seasoned country wood to hold hinges. The hardware consists of 250mm long aldrip 1 No. 150mm aluminium handles 2 Nos. 150mm long tower bolt 1 No.. The cost is inclusive of all incidental, labour, transportation charges. MAKE-SINTEX	1	SQ.M			
126	<b>35MM THICK NOVAPAN DOORS:- ITEM CODE :-304004265</b> Supplying and fixing of door shutters of 35 mm thick NOVAPAN	1	SQ.M			

	both sides lamination around first class teak wood frame with sprit polish of single/ double door, including all types of standard hardware fittings,godrej navotal 7 levers with 3 key with each door, labour charges,transportation etc., complete for finishef item of work					
127	<b>RCC(1:2:4) FLOORING:- ITEM CODE :-304004267</b> Providing and laying Reinforced Cement Concrete flooring100MM THICKNESS of floors and other places at all levels and locations, the flooring consisting of under-bed of plain cement concrete of 1:2:4 mix using 19mm down stone chips, entire work inclusive of surface preparation of substrata, laying in panels for full depth, roundings, curing, finishing, sloping, etc., all complete as per specifications and directions of the Engineer. Under Bed 100mm thick PCC(1:5:10) but excluding cost of steel, binding wire and its fabrication charges.CEMENT ULTRATECH	1	SQ.M			
128	<b>20MM THICK MARBLE SLAB:- ITEM CODE :-304004268</b> Providing & fixing 20mm thick polished marble slabs of approved white-grey shade of Makrana type in the partitions of urinals, including cutting, rounding of the edges, finishing, other necessary bye-works all complete as per direction of the Engineer. The marble slabs shall be of single piece for each partition.	1	SQ.M			
129	<b>MINOR REPAIR OF ALU/WINDOWS/VENTILATORS:- ITEM CODE :-304004272</b> Minor repair of all types of aluminium windows/ventilators, adjustment of all types of window fittings including minor repairs for normal functioning windows including necessary minor materials(SS Made) cost and conveyance of all materials labour charges etc.	1	NO			
130	<b>WHITE CEMENT APPLYING FOR TAILS JOINT: ITEM CODE :-304004283</b> Providing applying of ceramic tiles joints including	1	SQ.M			

	labour charges while cement, nahani trap around cementing fixing of grating etc complete					
131	<b>HYPERPLAS 4KG/SQ: ITEM CODE :-304004286</b> SUPPLY AND PROVIDING OF HYPERPLAS 4KG/SQ IWL HYPER PLAS TREATMENT 1 Supply and providing water proofing treatment with app waterproofing membrane HYPERPLAS F 4kg/sqm incorporating a 45GMS/SQM fibreglass mat IWL Make including coating the surface with a coat of water based bituminous primer and one coat of bitumen 85/25 or 90/15 1.20kg/sqm at the bottom and also membrane shall be fused uniformly by LPG torch flame 4 Cement screeding shall be done in above water proofing membrane of cement type BO 1:2;4 USING 12.5MM graded agg 40mm average thickness as in padding concrete after existing roof slab surfaces and finish one surface even and smooth finish . topping over standard chicken wire of mesh of 26swg and 0.37mm dia with GI hexagonal wire mesh of 20x20 mm size in between two layers .top layer shall be laid in bays not exc 1sqm area with 6x20mm deep grooves with 10mm depth filled with bitumen mixed with 8 and in proportion 1:1 and 10mm filled with sealing compound grade A including curing also	1	SQ.M			
132	<b>ALUMINIUM HEXAGONAL TOWEL RAIL: ITEM CODE :-304004294</b> Supply and fixing of heavy type anodised aluminium hexagonal towel rail of size 600x20mm dia meter with brackets of approved quality fixed on wooden plugs with c.p. screws etc.Make:Jaguar	1	NO			
133	<b>C.P BRASS 150MM DIA TOWEL RING: ITEM CODE :-304004295</b> Providing and fixing of C.P. brass 150mm dia meter towel ring of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc. Make:Jaguar	1	NO			

134	<b><u>C.P.FLUSH PIPE: ITEM CODE :-304004298</u></b> Supply and fixing of c.p connecting FLUSH PIPE heavy duty ss material including cost and conveyance of all materials labour charges removing of old fittings etc	1	NO			
135	<b><u>C.P. BRASS SOAP CONTAINER: ITEM CODE :-304004300</u></b> Supply and fixing of Heavy duty C.P. brass soap container SS material (tilting type) including cost and conveyance of all materials labour charges removing of old fittings etc	1	NO			
136	<b><u>FLUSH TANK FITTINGS: ITEM CODE :-304004301</u></b> Supply and fixing of syphon and standard FLUSH TANK internal fittings including cost and conveyance of all materials labour charges removing of old fittings etc MAKE:HINDUWARE	1	NO			
137	<b><u>25MM DIA BUTTER FLY VALVE: ITEM CODE :-304004302</u></b> Supply and fixing of 25mm dia butter fly valve including labour charges transportation etc complete Make zoloto	1	NO			
138	<b><u>20MM DIA BUTTER FLY VALVE: ITEM CODE :-304004303</u></b> Supply and fixing of 20mm dia butter fly valve including labour charges transportation etc complete .Make zoloto	1	NO			
139	<b><u>15MM DIA BUTTER FLY VALVE: ITEM CODE :-304004304</u></b> Supply and fixing of 20mm dia butter fly valve including labour charges transportation etc complete .Make zoloto	1	NO			
140	<b><u>PEGSTAYS: ITEM CODE :-304004305</u></b> Supply and fixing of peg stays including cost and conveyance of all materials labour charges etc.	1	NO			
141	<b><u>PVC DOOR ITEM CODE :-304004306</u></b> Supply and fixing of PVC door made of hollow PVC Section Supply and fixing of door shutter made out of PVC Hollow extruded section (SINTEX MAKE 105 SECTION) having dimensions of 78mm x 28mm with wall thickness of 1.5mm with necessary tapering to house Bison Lam thickness of	1	SQ.M			



	12mm. All the four corners are jointed with PVC 'L' brackets of size 4" x 8" (101.6mm x 203.2mm) and the PVC lipping is filled with well seasoned country wood to hold hinges. The hardware consists of 250mm long aldrops 1 No. 150mm aluminium handles 2 Nos. 150mm long tower bolt 1 No.. The cost is inclusive of all incidental, labour, transportation charges. Make: Sintex					
142	<b><u>REMOVING AND REFIXING OF POLY CARBONATE: ITEM CODE :- 304004307</u></b> carefully REMOVING AND REFIXING OF POLY CARBONATE roofing with structural steel including labour charges , transportation ,and minor materials etc complete	1	SQ.M			
143	<b><u>REMOVING AND RE FIXING OF SINTEX TANKS: ITEM CODE :- 304004308</u></b> Removing and re fixing of Sinter tanks along with 25mm dia Gi pipes & including labour charges, minor materials like any jointing materials, Gi specials,labour charges , threading works ,etc complete	1	NO			
144	<b><u>SUPPLY AND FIXING OF GI SHEET: ITEM CODE :-304004309</u></b> supply and fabricating of GI Sheet including screws ,nails , all materials etc complete	1	SQ.M			
145	<b><u>10T ROLLING CHARGES: ITEM CODE :-304004310</u></b> Rolling of the ground with 10T Roller including labour 8hours per day operation and all materials f etc complete	1	SQ.M			
146	<b><u>TORCHABLE PLASTROFELT: ITEM CODE :-304004311</u></b> Providing and laying water proofing - treatment with torchable plastofelt or equivalent approved make over roof and other places at all levels and locations, including all necessary bye-works like base surface preparation, rounding the corners/ends/ sides of dissimilar materials, sealing the joints/ends, providing embossed aluminium foil, etc, all complete as per manufacturer's specifications and directions of the Engineer. Make:IWL/STP	1	SQ.M			

147	<b>POLYMERIC HIPER MULTIPLUS: ITEM CODE :-304004312</b> Providing water proofing treatment over roofs and other places at all levels and locations with polymeric hiper multiplas with protective aluminium foil topping or equivalent approved make including all necessary bye-works like base surface preparation, rounding the corners/ ends/ sides of dissimilar materials, sealing the joints/ends, etc. complete all as per specifications, and directions of the Engineer. Make:IWL/STP	1	SQ.M			
148	<b>STEEL WINDOWS: ITEM CODE :-304004313</b> Supplying, fitting and fixing fully glazed steel windows and ventilators of approved make in single or composite units both openable and fixed type as per IS: 1038 and IS : 1361 with all joints flush butt welded including glazing bar, coupling bars, mullions, transoms, lugs, mastic cement, glass panes fixed with standard metal beads and with 2 coats of synthetic enamel paint of approved colour and quality over a primer to steel frames and including all other standard fixtures like hinges, pressed MS handles and peg stays etc. all complete as per specifications, and directions of Engineer. a) With panes of 4mm thick glass sheets	1	SQ.M			
149	<b>INDOOR TYPE LOCKS: ITEM CODE :-304004314</b> supply and fixing of indoor type door locks GODREJ MAKE including cost and conveyance of all materials labour charges etc.	1	NO			
150	<b>BRASS CYLINDRICAL LOCKS: ITEM CODE :-304004315</b> Supply and Fixing of brass cylindrical locks godrej make including cost and conveyance of all materials labour charges etc.	1	NO			
151	<b>50MM DIA PVC WATER PIPE: ITEM CODE :-304004323</b> Supplying, fitting and laying 50 MM DIA PVC WATER PIPE of HEAVY quality with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc.,	1	RMT			

	including necessary earthwork, backfilling, etc., complete as per specification					
152	<b>15MM DIA C-CLASS GI PIPE: ITEM CODE :-304004325</b> Supplying, fitting and laying 15MM DIAGI pipes of Medium quality ('C class) of JINDAL/ZENATH/TATA with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors): A) 15mm nominal bore.	1	RMT			
153	<b>25MM DIA C-CLASS GI PIPE: ITEM CODE :-304004326</b> Supplying, fitting and laying 25MM DIAGI pipes of Medium quality ('C class) of JINDAL/ZENATH/TATA with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors): A) 25mm nominal bore	1	RMT			
154	<b>15MM DIA UPVC PIPE: ITEM CODE :-304004327</b> Supplying, fitting and laying 15MM DIA UPVC pipes heavy quality of Asharwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):	1	RMT			
155	<b>20MM DIA UPVC PIPE" ITEM CODE :-304004328</b> Supplying, fitting and laying 20MM DIA UPVC pipes heavy quality of Asharwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):	1	RMT			

156	<b>25MM DIA UPVC PIPE: ITEM CODE :-304004329</b> Supplying, fitting and laying 25MM DIA UPVC pipes heavy quality of of Ashirwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):	1	RMT			
157	<b>32MM DIA UPVC PIPE: ITEM CODE :-304004330</b> Supplying, fitting and laying 32MM DIA UPVC pipes heavy quality of of Asharwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):	1	RMT			
158	<b>15MM DIA CPVC PIPE: ITEM CODE :-304004334</b> Supplying, fitting and laying 15MM DIA CPVC pipes( class -1/SDR-11 )of of Asharwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):	1	RMT			
159	<b>32MM DIA CPVC PIPE: ITEM CODE :-304004337</b> Supplying, fitting and laying Heavy duty 32MM DIA CPVC pipes( class -1/SDR-11 ) of of Ashirwad make with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):	1	RMT			
160	<b>20MM DIA UPVC VALVE: ITEM CODE :-304004338</b> Supply and fixing of Heavy duty 20mm dia meter UPVC valves of superior quality of ASHIRWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE	1	NO			

161	<b>15MM DIA UPVC VALVE: ITEM CODE :- 304004339</b> Supply and fixing of Heavy duty 15mm dia meter UPVC valves Brass fitted of superior quality of ASHARWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE	1	NO			
162	<b>25MM DIA UPVC VALVE: ITEM CODE :- 304004340</b> Supply and fixing of Heavy duty 25mm dia meter UPVC valves Brass fitted of superior quality of ASHARWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE	1	NO			
163	<b>32MM DIA UPVC VALVE: ITEM CODE :-304004341</b> Supply and fixing of Heavy duty 32mm dia meter UPVC valves Brass fitted of superior quality of ASHARWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE	1	NO			
164	<b>15MM DIA CPVC VALVE: ITEM CODE :-304004342</b> supply and fixing of 15mm dia meter CPVC valves Brass fitted of superior quality of ASHARWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE	1	NO			
165	<b>32MM DIA CPVC VALVE: ITEM CODE :-304004344</b> Supply and fixing of Heavy duty 32mm dia meter CPVC valves Brass fitted of superior quality of ASHARWAD make or equivalent with ISI mark including cost and conveyance of all materials ETC COMPLETE	1	NO			
166	<b>GRANITE STONE: ITEM CODE :-304004346</b> Supply and fixing of granite stone including cost and conveyance of all materials, labour charges etc	1	SQ.M			
167	<b>B.T. PATCH REPAIRS: ITEM CODE :-304004347</b> Patch repairs of B.T. Road including cost and conveyance of all materials, labour charges etc.	1	SQ.M			
168	<b>PLASTERING CM(1:4): ITEM CODE :-304004348</b> Repairs to 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	1	SQ.M			

	the walls etc. (with cement mortar 1:4)					
169	<b>RIDGES: ITEM CODE :-304004350</b> Supply & fixing of the AC sheet RIDGES including cost and conveyance of all materials labour charges etc.	1	RMT			
170	<b>GI , UBOLTS AND NUTS: ITEM CODE :-304004351</b> Supply & fixing of the G.I. 'U' bolts and nuts including cost and conveyance of all materils labour charges etc	1	NO			
171	<b>BITUMEN AND METAL WASHERS: ITEM CODE :-304004352</b> Supply & fixing of the Bitumen and metal washers including cost and conveyance of all materials labour charges etc.	1	NO			
172	<b>RE-FIXING POWERCOATED FALSE CEILING: ITEM CODE :-304004354</b> Re-fixing of Power coated false ceiling incluig levelling, cost and conveyance of all materials, labour charges etc. (excluding powder coated false ceiling).	1	SQ.M			
173	<b>TILTING ROD: ITEM CODE :-304004355</b> Replacement of the Tilting rod For venation blinds including cost and conveyance of all materials labour charges etc	1	NO			
174	<b>RUNNERS: ITEM CODE :-304004356</b> Replacement of the Runners For venation blinds including cost and conveyance of all materials labour charges etc	1	NO			
175	<b>NYLONTHREAD: ITEM CODE :-304004357</b> replacement of the nylon threadFor venation blinds including cost& conveyance of all materials labour charges etc	1	RMT			
176	<b>LOCKING SYSTEM: ITEM CODE :-304004358</b> replacement of theLocking systemFor venation blinds including cost and conveyance of all materials labour charges etc	1	NO			

177	<b>WEB: ITEM CODE :-304004359</b> Replacement of the WEBFor venation blinds includingcost and conveyance of all materials labour charges etc	1	NO			
178	<b>SLOTS/BLINDS: ITEM CODE :-304004360</b> replacement of the slots/blinds including cost and conveyance of all materials labour charges etc	1	NO			
179	<b>150MMALUMINUIM HANDLE: ITEM CODE :-304004362</b> Supply and fixing of 150mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set	1	NO			
180	<b>75MMALUMINUIM HANDLE: ITEM CODE :-304004364</b> Supply and fixing of 75mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set	1	NO			
181	<b>BUTT HINGES-8inch size: ITEM CODE :-304004368</b> Providing and fixing ball bearing Hinges 8inch size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set	1	NO			
182	<b>TOWER BOLTS(75MM): ITEM CODE :-304004369</b> Providing and fixing with 75mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set	1	NO			
183	<b>TOWER BOLTS(100MM):ITEM CODE :-304004370</b> Providing and fixing with 100mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set	1	NO			
184	<b>D-TYPE PULL HANDL: ITEM CODE :-304004379</b> Supply and fixing of D-Type Pull handle SS304 Grade 300mmx32mm including screws ,labour charges etc make-godrej/door set	1	NO			
185	<b>MORTISE DEAD LOCK ITEM CODE :-304004380</b> Supply and fixing of Mortise Dead lock with Euro profile Cylinder 60mm both side key labour charges etc complete	1	NO			

186	<b><u>SLIDING WINDOWS LOCK: ITEM CODE :-304004381</u></b> Supply and fixing of Heavy duty sliding windows lockwith ISI Mark including labour charges etc complete	1	NO			
187	<b><u>SLIDING WINDOWS ROLLER: ITEM CODE :-304004382</u></b> Supply and fixing of Heavy duty sliding windows Roller with ISI Mark including labour charges etc complete	1	NO			
188	<b><u>RC JALI: ITEM CODE :-304004385</u></b> Providing and fixing prefabricated RC Jali of 50mm thickness including labor charges transportation etc complete	1	SQ.M			
189	<b><u>LIGHTWEIGHTBRICKBATCOBA: ITEM CODE:-304004386</u></b> Providing and laying Light weight Brick bat coba as a filler materials, at ground, first and terrace level	1	SQ.M			
190	<b><u>INTERLOCKING /PAVER BLOCKS: ITEM CODE :-304004387</u></b> Providing and laying with heavy duty Interlocking /paver blocks /tiles 80 mm thick of approved color, shade and shape laid over sand bed of 50 mm thick. Rate to include cost of sand and conveyance of materials, duly leveling the existing ground labor charges for laying etc., complete for finished item of work. (and locations to different patterns as per Specifications, and direction of the Engineer all complete )	1	SQ.M			
191	<b><u>HEAVY DUTY SS.RAILING:- ITEM CODE :-304004388</u></b> Heavy Duty SS railing system Providing and fixing modular Heavy duty Stainless steel (grade SS 304)railing system of 42 inches high consisting of 1.5 inch diameter hand rail and assist rail. The maximum post spacing to be 5 feet. The finish to be #6 (380 Grit) Brushed Satin. The entire system to be engineered and installed by the manufacture	1	RMT			



192	<b>Fly ash Bricks masonry:- ITEM CODE :-304004392</b> Fly ash Bricks in sub-structure/ super structures of all thickness in cement mortar (1:6) Prop. Using best quality table molded bricks(light weight bricks) with frog/indent, conforming to sub-class A as per IS:1077 having crushing strength of not less than 50 kg/cm <sup>2</sup> in cement mortar 1:6 best quality table molded bricks from approved source including cost and conveyance of all materials to site scaffolding, labor charges, racking out joints, curing, cement etc. complete for all heights. Use First quality brick, River sand & Ultratech / Ambuja cement/bharathi cement	1	CU.M			
193	<b>Only oiling, greasing to rolling shutters:- ITEM CODE :- 304004393</b> Only oiling, greasing to rolling shutters/steel windows by removing top cover to gear box, bearings, guide channels to make normal functioning operation of shutters (oil and grease shall be in the scope of contractors supply) cost and conveyance of all materials ,labour charges etc	1	NO			
194	<b>STEEL WINDOWS AND VENTILATORS:- ITEM CODE :- 304004394</b> Supplying, fitting and fixing fully glazed steel windows and ventilators of approved make in single or composite units both openable and fixed type as per IS: 1038 and IS : 1361 with all joints flush butt welded including glazing bar, coupling bars, mullions, transoms, lugs, mastic cement, glass panes fixed with standard metal beads and with 2 coats of synthetic enamel paint of approved colour and quality over a primer to steel frames and includingMS Flats,rods,12mm square bars(horizontal bars 100mm c/c),and all other standard fixtures like hinges, pressed MS handles and peg stays etc. all complete as per specifications, and directions of Engineer.With panes of 4mm thick glass sheets. Make: dwaraka/venkateswara or equivalent	1	SQ.M			

195	<b>BOTTLE TRAP: ITEM CODE :-304004397</b> Supply and fixing of 32mm C.P Brass bottle trap Jaguar Make Heavy duty including cost and conveyance of all material labour charges removing of old fittings etc.	1	NO			
196	<b>GROUTING WORK OF R.C.C SLAB:- ITEM CODE: 304004399</b> Grouting work of slab including cement with chemicals, labour charges, scaffolding, transportations, etc.	1	NO			
197	<b>100MMDIAGIPIPE: ITEM CODE :-304004400</b> Supplying, fitting and laying 100MM DIAGI pipes of Medium quality ('B class) of JINDAL/TATA with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors): A) 100mm nominal bore.	1	RMT			
198	<b>150MMDIAGIPIPE: ITEM CODE :-304004401</b> Supplying, fitting and laying 150MM DIAGI pipes of Medium quality ('B class) of JINDAL/TATA with all necessary fittings such as bends, tees, elbows, reducers, unions, nipples, plugs, clamps, fixtures, etc., including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors): A) 150mm nominal bore.	1	RMT			
<b><u>ALL TOTAL (In Figure)</u></b>						
<b><u>ALL TOTAL (In words)</u></b>						

- Note:**
- (I) Apart from excel BOQ (Part A) in Commercial Bid (Cover 3) supplier need to provide prices for the above additional items (Part B) separately in Technical Bid (Cover 2).**
  - (ii) Price bid evaluation will be done as per the excel BOQ (Part A) and the prices of the additional items (Part B) are called for reference purpose only. Supplier should fill the prices of other items and upload along with the price bid.**

**Declaration by the Vendor**

**(to be provided in the following format in their letter head)**

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions of GCC, SCC, Scope of work, BOQ technical specifications, Time frame, manpower deployment along with minimum qualification & minimum wages and their EPF &ESI, Bonus calculation, Insurances, LD Clause, etc. of the tender document for which I/We have signed and submitted the tender under proper authorization. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions of the tender. We have not given any printed conditions beyond the scope of this tender. It is also certified that I/We/our firm has no objection in signing the contract if the opportunity for the work against this tender is given to me/us.

Date:

Signature:

Name:

Address:

Designation:

On behalf of:

**CHECK LIST****BIDDER HAS TO FILL IN THE CHECK LIST GIVEN BELOW**

**(Following documents are to be submitted online and manual as part of Technical Bid. Bidders are requested to state Yes / No against each column)**

<b>Sl. No</b>	<b>Document to be Submitted</b>	<b>Online Submission</b>	<b>Manual Submission</b>
1.	The contractor should be registered with any of the prominent Govt./Semi Govt./ Autonomous Bodies/ Corporate Bodies or Public Sector Undertaking registration certificate		
2.	Firm registration certificate (In case of Firm)		
3.	Copy of Permanent Account Number (PAN) card and GST Registration copy of latest		
4	List of last 07 (seven) years executed similar works for any Government /Autonomous body corporate companies along with Xerox copies of work orders / purchase orders along with completion certificates		
5	The Contractor should have achieved minimum annual turnover value of general construction works (as certified by Chartered Accountant and at least 50% of which is from Engineering (Civil) construction works i.e Rs. 50 lakhs, carried out in any of the year over a period of 05 (five) years ending 31 <sup>st</sup> March 2019. (i.e. <b>providing audited balance sheet along with income tax returns</b> )		
6	Proof of similar executed nature of AMC works for last 07 (seven) years ending 31 <sup>st</sup> August 2019 Should have either of the following (i.e. <b>attach documentary proof</b> ). <ul style="list-style-type: none"> <li>- Three similar nature of works costing not less than <b>Rs.20.00 Lakhs or above</b></li> <li style="text-align: center;"><b>or</b></li> <li>- Two similar nature of works costing not less than <b>Rs. 25.00 Lakhs or above</b></li> <li style="text-align: center;"><b>or</b></li> <li>- One similar nature of work costing not less than <b>Rs. 40.00 Lakhs or above</b></li> </ul>		

7	Current original Solvency Certificate, minimum 40% of the estimated cost of the work which is Rs. 20 lakhs, issued from any nationalized bank		
8	E.M.D fee as per detail (scanned copy by online and original by manual)		
9	Availability of key personnel, qualification and experience		
10	Availability of tools and tackles		
11	Whether declaration form signed and submitted (scanned copy by online and original by manual)		
12.	This checklist (scanned copy by online and original by manual)		
13.	Whether all pages of tender document signed and uploaded		
14	Eligibility criteria documents issued by officer not below the rank of superintending engineer.		

**NOTE:** Please ensure all the relevant boxes are marked YES/NO against each column.

**IMPORTANT NOTE:**

- 1. The supplier should provide HSN Code and SAC Code for all the items in Part A and Part B in Technical Bid.**
- 2. Tenderers must ensure that all the required documents indicated in the Tender documents are submitted without fail. Tenders received without supporting documents for the various requirements mentioned in the tender document are liable to be rejected at the initial stage itself.**