

इंटरनेशनल एडवांस्ड रिसर्च सेंटर फॉर पाउडर मेटलर्जी एंड न्यू मटेरियल्स) एआरसीआई, बालापुरपीओ
हैदराबाद



INTERNATIONAL ADVANCED RESEARCH CENTRE FOR
POWDER METALLURGY AND NEW MATERIALS (ARCI), BALAPUR P.O
500005



वसुधैव कुटुम्बकम्
ONE EARTH - ONE FAMILY - ONE FUTURE

Tender No. SC20240169/WO

Date: 17.02.2025

e-TENDER DOCUMENT

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

1.	Earnest Money Deposit/Bid Security	INR. 1,25,000/-
2.	Tender Fee	INR 1500+18% GST(INR 1770/-)
3.	e-Tender document published date	17.02.2025
4.	Bid documents can be accessed from	https://eprocure.gov.in/eprocure/app www.arci.res.in
5.	Clarification start date and end date	17.02.2025 to 20.02.2025
6.	Bid submission start date and time	21.02.2025 Time 09.00 AM
7.	Bid submission end date and time	11.03.2025 upto 15:30 Hrs
8.	Online Bids opening date and time (for cover 1 Tender Fee and EMD)	13.03.2025 at 11:00 Hrs
9.	Mode of Tender	eProcurement (Online) https://eprocure.gov.in/eprocure/app
10.	Bid Submission	Cover 1: Tender Fee and EMD Cover 2: Technical Bid (Online and Offline) Cover 3: Commercial Bid (Online ONLY)



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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
3. **NAME OF THE WORK: ANNUAL MAINTENANCE RATE CONTRACT AND MINOR CIVIL WORKS AT ARCI, HYDERABAD.**
4. **Tender Enquiry No: (Case No.) SC20240169/WO Dated: 17.02.2025**
5. Last date and time of submission of Tender online (Tender Fee, EMD, Technical bid, and Price bid): **11.03.2025 before 15:30 hrs.**
6. **Annual Maintenance Rate Contract for Civil Works / Service Period:**
 - a) The term of agreement / purchase order / work order for Annual Maintenance Rate Contract and Minor Civil Works shall be for a period of One year. If the services are found to be satisfactory for first year, the contract may be extended for second year or part thereof, with the quoted BOQ price bid, on the same terms and conditions mutually agreed to by both the parties. In case of any further extension is needed by ARCI, same conditions for third year also.
 - b) The contract / service provider / successful bidder (L1) will be decided based lowest price quoted.
 - c) If rates are found on higher side, ARCI will negotiate with L1 supplier to reduce the rates of individual BOQ items.
 - d) No escalation will be given/ awarded for Cement & Steel and various BOQ items.
 - e) If the GST on works changes same will be applicable for that financial year. To this effect government G.O should be submitted to ARCI.

7. The agreement shall be liable for termination on giving three (03) months' notice by either side. During the period of notice, both the parties shall continue to discharge their duties and obligations. In case of termination for convenience by purchaser/contractor shall be paid proportionate contract price for supply and services rendered and work /service in progress till the effective date of termination.
8. The contractor has to submit the rates for the BOQ items in commercial bid (Cover 3) and **without rates** in technical bid (Cover2).
9. The contract / service provider / successful bidder (L1) will be decided based lowest price quoted.
10. The contractor shall not be entitled to any price escalation for the rate contract items/works/services during the tenure of contract, i.e. on any statutory account etc. 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:

14.1. Tender Fee and Earnest Money Deposit (COVER 1):

Bidder shall select the payment option as online or offline to pay the Tender Fee and EMD (as per the ARCI bank account detail given below) in the form of demand draft/ Banker's Cheque, etc. All scanned documents of Tender Fee and EMD should be uploaded in the CPP portal (Any other relevant document pertaining to EMD and Tender fee may be uploaded and also submit the hard copies in cover-1). Original Proof of payment of Tender Fee and EMD to be submitted in a sealed envelope super scribed as COVER-1 with following information:

1. Tender Reference No. SC20240169/WO
2. Type of bid: Two bid system (i.e. Cover-1: EMD and Tender Fees, Cover-2: Technical bid and without rates of BOQ and Cover-3: Commercial bid(rates of BOQ items))
3. Tender Due Date & Time: **11.03.2025 IST 15:30 hrs**
4. Bidder name:
5. Bidder Address:
6. Bidder e-mail ID for correspondence:
7. Bidder Mobile contact details:

14.2. Details of ARCI Account:

Name of the Institution	International Advanced Research Centre for Powder Metallurgy & New Materials
Name of Account Holder (As per Bank Record)	ARCI TECHNOLOGY PROGRAM FUND
Account Number of above account	1849101016974
Complete Contact Address	RCI Road, Balapur, Opposite Balapur Vilage, Hyderabad -500005
Telephone No	0091-040-24452361
Fax No	0091-040-24442699

15. Bank Account Details

Bank Name	CANARA BANK
Branch Name	Kanchanbagh
Beneficiary's Name	ARCI Technology Program Fund
Complete Contact Address	Kanchanbagh, Hyderabad 5000059
Telephone No	040-23438704
9- Digit Code No of Bank & Branch	500015032
Account Number	1849101016974
Account Type (SB/Current/Cash/Credit/Etc)	Savings Account
IFSC Code No of Bank	CNRB0001849
PAN Number	AAAAI0324C
TIN Number	36980207289
Service Tax Number	AAAAI0324CST001
GSTIN Number	36AAAAI0324C1ZG
E.Mail	fao@arci.res.in

15.1. **Technical Bid (COVER 2):** Technical bid will be opened if the bidder to submitted the Tender Fee and Earnest Money Deposit in Cover-1 (online or off-line). All scanned documents of Technical bid should be uploaded in the CPP portal (Cover-2), such as self-attested Signed copies of all the tender document pages as a mark that the bidder has read and understood the all the terms and conditions, BOQ item list without quoted prices, all Certified Experience related documents for last five years (Works completed as on date of issue of this tender notice), organization chart, manpower and related equipment available with the bidder, pan card details, last three years Chartered Accountant audited IT submitted returns, last three years chartered accountant certified turnover certificate, bank details of the bidder, solvency certificate from nationalized banks, GST details, Firm or company registration certificate, list of present works being executed by the bidder/contractor with documentary proofs such as work orders/purchase orders, latest profile of the bidder, any other Government of India agencies/departments/organizations/PSUs /CPWD/MES/ ISRO/ Atomic Energy, registration/ empanelment certificates, any litigation history of the firm to be certified by the head/ARCI of the

company. original certified and signed copies of the uploaded documents to be submitted in a sealed envelope super scribed as COVER-2 with details given above and in following paras.

Both the Cover 1 and Cover 2 shall be submitted in online and offline of the documents of the Tender No. SC20240169/WO due date on 11.03.2025 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 11.03.2025

Price Bid (COVER 3): Price bid (BOQ) to be uploaded **ONLINE only** in COVER-3 and no other mode of submission is acceptable.

- 16. All the tenders, in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected. List of any deviations shall be separately submitted in a deviation statement. It may be noted that major deviations from ARCI terms and conditions are also liable to be rejected.**

Clarification on bid:

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

1. For technical clarifications : vbajirao@arci.res.in, rakesh.t@arci.res.in, arsrinivas@arci.res.in, nirmala@arci.res.in
2. For commercial clarifications : ramesh.e@arci.res.in, stores@arci.res.in, nsrinivas@arci.res.in, sspo@arci.res.in

a. Opening of the tender:

3. Only the Cover 1 containing Tender Fee and EMD shall be opened online on the date of the tender opening.
4. Price bids of only those firms meeting all tender requirements including compliance to technical specifications, confirming with all tender conditions and passing technical evaluation and eligibility criteria will be considered for opening and further process.
5. After opening of the price bid, detailed comparative statement will be generated online and the finalization of successful bidder will be decided on L-1 (lowest price) as per CPP Portal.

17. 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.

18. **Validity of Rate contract:**

Total period of contract is for One (1) year i.e. initial period of this contract is for 12 months from the date of purchase Order. If the services are found to be satisfactory for first year, the contract may be extended for second year or part thereof, with the quoted BOQ price bid, on the same terms and conditions mutually agreed to by both the parties. In case of any further extension is needed by ARCI, same conditions for third year also.

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

1. Not meeting the eligibility criteria
2. Tenders without Tender Fee and EMD
3. If they are not in line with the terms and conditions of this tender notice
4. Conditional quotations
5. Incomplete tenders
6. Tenders submitted through Fax or e-mail
7. Tenders not following two bid system.
8. 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.**
9. **During technical evaluation the bidder / tenderer has to respond to ARCI quires or clarifications within the specified time period.**
20. 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 thereof.

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 for e-Procurement are at <https://eprocure.gov.in/eprocure/app>. The bidders must carefully follow the instructions.

1. 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.
2. 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.
3. Bidder need to login to the site through their user ID/ password chosen during enrolment/registration.
4. 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.
5. The DSC that is registered only should be used by the bidder and should ensure safety of the same.
6. 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.
7. 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.
8. 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.
9. Bidder then logs in to the site through the secured login 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.
10. Bidder selects the tender which he/she is interested in by using the search option & then moves it to the 'my tenders' folder.

11. From “my tender” folder, he selects the tender to view all the details indicated.
12. 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.
13. 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.
14. Bidder should take into account the corrigendum / addendum published from time to time before submitting the online bids.
15. 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.
16. 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.**
17. While submitting the bids online, the bidder reads the terms & conditions and accepts the same to proceed further to submit the bid packets.
18. The bidder has to select the payment option as offline to pay the EMD as applicable and enter details of the instruments.
19. **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.**

- 20.** 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.
- 21.** 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.
- 22.** If the price bid format is provided in a spread sheet file like BOQ_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.
- 23.** 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.
- 24.** 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.
- 25.** 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.
- 26.** 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 be viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.

- 27.** 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 a symmetric 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 128bit encryption technology is used. Data storage encryption of sensitive fields is done.
- 28.** 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.
- 29.** 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:cppp-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 will be operated based on the site requirement decided by ARCI from time to time. The contractor will not be eligible for any compensation/claim for any item/items not operated/used during the period of contract. 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 and minimum marks for individual 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% estimated value (Rs.50 lakhs) of which is from Engineering (Civil) construction works i.e. Rs.25 lakhs, carried out in any of the year over a period of 05 (five) years ending 31.12.2024. (i.e. **providing audited balance sheet along with income tax returns**). -Marks – 10 marks

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 05 (Five) years ending 15.11.2025 should have either of the following (i.e. **attach documentary proof**).

- Marks – 25 marks

- 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. 30.00 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./ Govt. of India Autonomous Bodies/ Corporate Bodies or Public Sector Undertaking

- **Marks – 10 marks**

D. **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.

The relevant documents are:

E. 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. – **Marks – 5 marks**

F. 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.

– **Marks – 5 marks**

G. Constitution of the tendering firm including Latest profile of the contractor and List of qualified engineers and staff (technical and non-technical) employed by the contractor.

- **Marks – 5 marks**

H. List of last 05 (Five) years executed similar works for any prominent Govt./Semi Govt./ Govt. of India Autonomous Bodies/ Corporate Bodies or Public Sector Undertaking along with Xerox copies of work orders / purchase orders along with completion certificates.

- **Marks – 5 marks**

I. Statement showing the turn over during the past 05 (five) years supported by balance sheets or income tax returns. - **Marks – 5 marks**

J. Current original Solvency Certificate, minimum 40% of the estimated cost of the work which is Rs. 20 lakhs, issued from any nationalized bank (online bank details may be submitted).

- **Marks – 10 marks**

K. Other State/Central Government agencies registration certificate. - **Marks – 5 marks**

L. Firm registration certificate (In case of Firm). - **Marks – 5 marks**

M. List of similar nature of AMC Civil/Civil works under taken by the tenderer presently (in progress), if any. - **Marks – 5 marks**

N. The list of tools and tackles such as software's (technical and non-technical), measuring instruments, safety gadgets (PPE) and systems owned by the contractor. - **Marks – 5 marks**

Important Note: -

- 1. All above clauses 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.**
- 2. The eligibility criteria score should be minimum 80 marks (Out of 100 marks) and A, B, C are mandatory criteria**
- 3. Based on the above minimum criteria marks only commercial bid will be considered.**
- 4. The bidders not obtaining minimum 80 marks shall be disqualified.**

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 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) 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.

H. Cost of Tendering:

The Tenderer shall bear all costs associated with the preparation and submission of this Tender, and the ARCI will in no case/ way 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 an annual rate contract works 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. 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.

- K. The rates quoted by the Contractor will hold good for the entire period of contract and no compensation / escalation will be paid by ARCI in any circumstances. The statutory taxes increase/decrease, if any during the contract period will be considered by ARCI subject to submission of documentary evidence by contractor.
- L. Language of Tender: The document shall be written in English language and the amount in words should be written in English language.

The following original hard copies of technical bid 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. Copy of the tenderer's price schedule but without prices.
- c. Earnest money deposit as laid down in this instructions to tenderers.
- d. Constitution of the tendering firm
- e. List of eligibility criteria documents
- f. List of last 05 (Five) years executed similar works for any prominent Govt./Semi Govt./ Govt. of India Autonomous Bodies/ Corporate Bodies or Public Sector Undertaking along with Xerox copies of work orders / purchase orders along with completion certificates.
- g. Statement showing the annual turnover during the last five years supported by balance sheets or income tax returns.
- h. Current original solvency certificate from any nationalized bank for minimum 20 Lakhs.
- i. Copies of GST registration certificates and PAN card.
- j. Other State/ Central Government agencies/Central Govt. PSUs registration certificate.
- k. Firm registration certificate (In case of Firm).
- l. Latest profile of the contractor

- m. List of qualified engineers employed by the contractor.
- n. The contractor should have relevant statutory government licenses.
- o. Labour Licenses from central labour authorities.
- p. The work force (labour) deployed during the work shall be covered under works men compensation act/ Insurance from govt. companies/ accredited agencies. The contractor should immune ARCI from all labilities related to the men and material engaged by the contractor during the contract period.
- M. ARCI is not responsible for the loss of documents or for the delay in transit.
- N. 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. SC20240169/WO** & Due on 11.03.2025 up to 15:30 Hrs 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

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

TENDER FEE, EARNEST MONEY DEPOSIT AND SECURITY DEPOSIT

1. Bid should be accompanied by Tender Processing Fee of INR 1500 +18%GST (INR 1770/-) in the form of Account Payee Demand Draft drawn on in favor of Director, International Advanced Research Centre, Payable at Hyderabad. Tender Fee is not refundable. Bids submitted without tender processing fee will not be considered for further processing.
2. Bid should be accompanied by EMD **INR 1,25,000/-** from Indian bidders in the form of Demand Draft or Banker's Cheque or Fixed Deposit Receipt or TDR duly endorsed in the name of Director ARCI from any of the Indian nationalized banks (RBI Recognized), payment online like RTGS/NEFT/ECS in an acceptable form in favor of **Director, International Advanced Research Centre, Payable at Hyderabad**. In case of online payment receipt should be submitted along with the bid document.
3. The details of transaction for Tender Fee and EMD viz Name of Bidder firm, tender description, Transaction ID/No. of Transfer, Transaction date, Amount of Transaction, Name of Bank, Address of Bank shall be furnished by the TENDERER ON THEIR LETTER HEAD SEPARATELY ENCLOSED IN COVER-1 (Online and Offline) ALONG WITH TENDER.

Online Payment Account details are as follows:

Details of ARCI Account:

Name of the Institution	International Advanced Research Centre for Powder Metallurgy & New Materials
Name of Account Holder (As per Bank Record)	ARCI TECHNOLOGY PROGRAM FUND
Account Number of above account	1849101016974
Complete Contact Address	RCI Road, Balapur, Opposite Balapur Vilage, Hyderabad -500005
Telephone No	0091-040-24452361
Fax No	0091-040-24442699

Bank Account Details

Bank Name	CANARA BANK
Branch Name	Kanchanbagh
Beneficiary's Name	ARCI Technology Program Fund
Complete Contact Address	Kanchanbagh, Hyderabad 5000059
Telephone No	040-23438704
9- Digit Code No of Bank & Branch	500015032
Account Number	1849101016974
Account Type (SB/Current/Cash/Credit/Etc)	Savings Account

IFSC Code No of Bank	CNRB0001849
PAN Number	AAAAI0324C
TIN Number	36980207289
Service Tax Number	AAAAI0324CST001
GSTIN Number	36AAAAI0324C1ZG
E.Mail	fao@arci.res.in

4. No interest is payable on EMD and Security deposit.
5. The EMD shall be valid for a minimum period of 120 days from the date of closure of the bid.

6. Bidder registered with National Small Industries Corporation (NSIC) or MSME Udyam registration or any other body specified by Ministry of Micro, Small and Medium Enterprises as MSMES or Startups as recognized by Department of Industrial Policy and Promotion (DIPP), Govt of India for the tendered item are exempted from payment of Tender Fee and Earnest Money Deposit (EMD) subject to submission of valid documentary evidences throughout the time of the contract. Copies of MSME, NSIC registration certificates and other supporting documents should be submitted along with bid. Failure to submit the required documents shall lead to rejection of bid.

6. The successful bidder should submit security deposit(SD) / performance guarantee **amount 5 percent of the tendered amount i.e Rs. 2,50,000.00 (Rupees Two lakhs fifty thousand only)** in the form of Demand Draft or Banker's Cheque or Fixed Deposit Receipt or TDR duly endorsed in the name of Director ARCI from any of the Indian nationalized banks (RBI Recognized), payment online like RTGS/NEFT/ECS in an acceptable form in favor of Director, International Advanced Research Centre, Payable at Hyderabad. In case of online payment receipt should be submitted. The payment of SD shall be made within 15 days from date of intimation letter from ARCI.

7. Refund of Security Deposit (SD) / performance guarantee:

The security deposit(SD) / performance guarantee amount will be returned without interest to the contractor after closing of contract, subject to submission of following documents:

- a. No claim certificate by the contractor for works executed at ARCI.
- b. Completion certificate issued by ARCI
- c. Inventory handing over, if any
- d. Indemnify ARCI that the contractor discharged all the payments such as salaries, labour payments, statutory taxes, material payments, insurance payments, EPF, ESI and etc. as per latest labour and relevant acts of state and central government.
- e. The proceeds of the security deposit/performance guarantee shall be payable to the ARCI as compensation for any loss or dues resulting from the Contractor's failure to complete its obligations under the contract

8. Refund of EMD:

EMD amount of the unsuccessful bidders will be returned, without any interest, within 30 days of the finalization of tender. EMD of the successful bidder gets converted into security deposit / performance guarantee and balance is required to be submitted as per the tender norms or collect the EMD amount by submitting security deposit / performance guarantee amount.

9. Forfeiture of EMD:

EMD of tenderer will be forfeited, if the tenderer withdraws or amends its tender or derogates from the tender in any respect within the period of validity of its tender. Further, if the successful tenderer fails to furnish the required performance security within the specified period, its EMD will be forfeited.

ANNEXURE – I
GENERAL & SPECIAL CONDITIONS
OF CONTRACT

GENERAL CONDITIONS OF CONTRACT

1.0 Definitions

In this contract, the following terms shall be interpreted as indicated:

- (a) “The Contract” means the agreement entered into between ARCI and the Contractor, as recorded in the contract form signed by the parties, including all the attachments and appendices there to and all documents incorporated by reference therein.
- (b) “The Contract Value” means the amount payable to the Contractor under the contract for the full and proper performance of its contractual obligations.
- (c) “Contract Data” means any information provided in the Tender document and agreed to by the Contractor.
- (d) “The Work” means all labour, materials, tools & tackles, insurances (labour & material), statutory payments (taxes & wages) and plant, equipment including government taxes and transport, that may be required in preparation of and for and in the full and entire execution and completion of “the Work”. The contractor is obligatory to show the performance guarantee of the executed works.
- (e) “Services” means services ancillary to the execution of the work such as transportation and insurance, and any other incidental services, such as installation, testing, integration, commissioning, provision of technical assistance, training and other obligations of the Contractor covered under the contract.
- (f) “GCC” means the General Conditions of Contract contained in this section.
- (g) “SCC” means the Special Conditions of Contract.
- (h) “ARCI” means the organization getting the work done, and or its representatives
- (i) “The Contractor” means the individual or the firm executing the works.
- (j) “The Site” where applicable, means the place or places named in individual work wise rate contract purchase order/ Indenting Officer.
- (k) “Day” means calendar day.
- (l) “GST” means Goods and Service Tax as applicable for HSN / SAC codes.

- 2.0** The Contractor shall offer the Engineer or any representative of ARCI every facility and assistance for examining the works and materials. The Engineer or any representative of the ARCI shall have power to give notice to the Contractor or to his staff, of non-approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued until the decision of the ARCI. Such examinations shall not in any way exonerate the contractor from the obligations to remedy any defects which may be found to exist at any stage of the work or after the same is completed.

3.0 Interpretation and Application

- 3.1 These general conditions shall apply to the extent that provisions in other parts of the contract do not supersede them.
- 3.2 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The ARCI will provide instructions clarifying queries about the Conditions of Contract.

4.0 Standards

- 4.1 The works executed by the Contractor should be carried out in most professional manner, both as regards material and otherwise, in every respect, in strict accordance with the Technical Specifications. All materials and workmanship shall so far as procurable be of the respective kinds described in the priced schedule of quantities and/ or specifications and in accordance with the ARCI instructions, and the Contractor shall upon the request of the ARCI, furnish them with all invoices, accounts, receipts and other vouchers to prove that the material procured complies therewith. When no applicable standard is mentioned, the work shall be carried out as per the directions of the ARCI. The Contractor shall at ARCI cost arrange for and / or carry out any test of materials which the ARCI may require. In case of discrepancies in tender wording as regards the specifications of materials workmanship etc., written instructions will supersede the tender wording unless otherwise mentioned.
- 4.2 The ARCI in their absolute discretion from time to time shall issue further drawings and/ or written instructions, details, directions and explanations which are hereafter collectively referred to as “the ARCI instructions” in regard to: -
- a. The variation or modification of the design quality or quantity of works or the addition or omission or submission on any work.
 - b. Any discrepancy in the drawings or between the schedule of quantities and / or drawings and /or specifications/ dimensions etc.
 - c. The removal and / or re-execution of any works executed by the Contractor.
 - d. The removal from the site of any materials brought thereon by the Contractor and the substitution of any other materials therefore / or rejection of the material brought on site.
 - e. **Payment will be made as per actual site measurements.**

5.0 Use of Contract Documents and Information

- 5.1 The Contractor shall not, without the ARCI prior written consent, disclose the contract or any provision thereof, or any specifications, plan, drawing, pattern, sample or information furnished by or on behalf of the ARCI in connection therewith, to any person other than a person employed by the Contractor in performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.
- 5.2 The Contractor shall not, without the ARCI prior written consent make use of any document or information enumerated in Para 5.1 except for the purposes of performing the contract.
- 5.3 All documents included but not limited to contract agreement shall remain the property of the ARCI and shall be returned (in all copies) to the ARCI on completion of the Contractor’s performance under the contract, if so required by the ARCI.

6.0 Site order Book:

The contractor shall maintain a site order book at site for the purpose of quick communication between the contractor and ARCI. Any communication relating to the work may be conveyed through site order book. Such a communication from one party to other shall be deemed to have been adequately served in terms of contract. Each site order book shall have machine numbered pages in triplicate and shall be carefully maintained and preserved by the contractor, and shall be made available to the ARCI as and when demanded. Any instructions which the ARCI may like to issue to the contractor or the

contractor may like to bring to the ARCI two copies of such instructions shall be taken from the site order book and will be handed over to the ARCI and second copy will be retained with contractor.

7.0 Contractor to provide everything necessary for proper execution of work

- 7.1 The Contractor shall provide everything necessary for the proper execution of the works according to the intent and meaning of the drawings, priced schedule of quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from. If the Contractor finds any discrepancy therein he shall immediately and in writing refer the same to the ARCI whose decision shall be final and binding. Further, if any sample(s) of material(s), fittings, fixtures or finished item(s), to be used in the electrical/civil/LAN/telephone works, has/have been called for from the contractor, no work related to it/these shall be executed unless the same has/ have been approved by the ARCI failing which no payment shall be made to the contractor on this account. Any sample, duly approved by the ARCI shall become part of the supply to be used in “the works”.
- 7.2 The Contractor shall supply fix and maintain at his cost, during the execution of any works, all the necessary power supply, water supply, scaffolding, watching and lighting by night as well as by day, required not only for the proper execution but also for protection of the public and the safety of men and material, equipment’s nearby, any adjacent roads, streets, pavements, walls houses, building and other erections, matters or things.
- 7.3 Throughout the execution of the work, the Contractor or his representative duly authorized and fully responsible and technically conversant with the work under this agreement, acting on his behalf shall be available at the site for supervising the work. The Contractor shall make adequate arrangements for watchmen to guard the materials brought by them to the site and shall ensure the safety, breakage and any theft of materials fixed or unfixed by him. Any material, brought to the site for bonafide use of the site shall not be removed/ shifted from the site without the prior written permission of the ARCI
- 7.4 The contractor has to provide at his cost for civil works (i.e. leveling pipe/spirit level, steel/ metallic tapes (30m-1no & 5m-2nos), tri square, die set and construction related instruments, etc.) and electrical works (i.e. leveling pipe/spirit level, steel/ metallic tapes, testing multi meter, meggar, test lamp, tester & etc.). required by the supervising staff of the ARCI representative during execution of the work.
- 7.5 Wherever the specifications of any item indicate the usage of approved equivalent of any material, the Contractor shall get the sample of the equivalent material approved from the ARCI before execution. The approval of the equivalent material is entirely at the discretion of the ARCI.

8.0 Site Establishment

The contractor shall provide all stores, workmen and materials. All materials likely to deteriorate in the open shall be stored under suitable cover.

- 8.1 The contractor shall not be allowed to construct huts for accommodation of his employee or workmen, within the site area. The contractor’s employees or workmen will not be allowed to stay overnight at the site area.
- 8.2 The security of the contractor’s equipment and materials is his own responsibility. The ARCI accepts no liability for loss or damage to the contractor’s plant tools and tackles & materials.

- 8.3 The materials issued to the contractor if any by the ARCI will remain under the custody of contractor as a trustee. However, title on the same will remain with the ARCI. The contractor will be responsible for loss or damage to such materials and shall preserve them in good working conditions as required for the contract and good executional practices till such time that they are incorporated in the works and erected, aligned and fully installed in position and handed over to the ARCI. In case the ARCI feels that arrangements made by the contractor are not adequate he shall so advise the contractor and the contractor shall promptly take corrective action. In case the contractor fails to take corrective action, ARCI shall take such corrective actions and recover the cost thereof from the contractor's bills. Accounts of such material on completion of work shall be rendered and surplus material returned to the ARCI as per instructions of ARCI.
- 8.4 The contractor shall clear away periodically or as instructed by ARCI any rubbish, scrap materials, etc. and dump the same in the authorized dump sites notified by local authority or area indicated by the ARCI. All construction materials shall be neatly stacked in an orderly manner as directed by the ARCI and care shall be taken to allow proper access to workmen and easy movement of men, vehicles, cranes and materials.
- 8.5 The contractor shall not permit the entry to the site of any person not directly connected/concerned with the work without first having obtained the written permission of ARCI.
- 8.6 The contractor shall submit a list of equipment's, tools, tackles, etc. which he will use, to perform the work. These tools, etc. shall not be removed from the site till the completion of job. A gate pass must be obtained from the ARCI's representative in order to remove from site any testing equipment, tools and materials.
- 8.7 All items such as instructions and other pertinent data regarding erection/ commissioning and maintenance should be typed and classified for transmittal in a manner approved by the ARCI.
- 8.8 All employees of the contractor shall confirm to rules of conduct, etc. established by the ARCI, Failure to do so will be sufficient cause for removal of such person from the site.

9.0 Messing & Accommodation

- 9.1 The contractor will make his own arrangements for messing and accommodation and the same shall not be done at site. No accommodation and messing shall be provided by the ARCI.

10.0 Procurement, Consumption and Storage of Materials

- 10.1 The contractor shall at his own expenses, provide all materials required for the works. Adequate stocks of all materials required for the work are to be maintained at site. No material (unless as provided elsewhere in this document) shall be supplied by the ARCI.
- 10.2 All materials to be provided by the contractor shall be in conformity with the detailed specifications laid down in the contract and the contractor shall, if requested by the ARCI furnish prior to the satisfaction of the ARCI that the materials conform to the laid down specifications.
- 10.3 All materials required for execution of work must be got approved by the ARCI before they are actually put to use. All facilities for prior inspection of materials and subsequent inspection of work by the Site representative of the contractor must be made available.

- 10.4 The contractor shall, at his own expenses and without delay, supply to the ARCI samples of materials proposed to be used in the work. The ARCI shall within seven days of supply of samples, or within such further period as ARCI may require and intimate the contractor in writing, whether samples are approved by ARCI or not. If samples are not approved, the contractor shall forth with arrange to supply, for their approval, fresh samples complying with the specification laid down in the contract.
- 10.5 The ARCI shall have full power to require removal of any or all the materials brought to site by the contractor which are not in accordance with the contract specifications or do not confirm in character or quality to the samples approved by ARCI. In case of default on the part of the contractor in removing rejected materials, the ARCI shall be at liberty to have them removed by other means. The ARCI shall have full powers to direct other proper materials to be substituted for rejected materials and in the event of the contractor refusing to comply. ARCI may cause the same to be supplied by other means. All risks and costs which may attend upon such removal and/or substitution shall be borne by the contractor.
- 10.6 Contractor shall be responsible for procurement of all materials/equipment's etc. No delay due to non-availability of any material equipment will be entertained by ARCI.

11.0 Method of storing the materials

- 11.1 The contractor shall at his own cost, provide for all necessary storage on the site in specified areas for all materials which are likely to deteriorate by the action of sun, wind, rain, dampness or other natural causes due to exposure in the compounds or in stores in such a manner that all materials, tools and tackles etc. shall be duly protected from damage by weather or any other cause.
- 11.2 Materials required for the works, by the contractor be stored by the contractor only at places approved by the ARCI. Storage and safe custody of materials shall be the responsibility of the contractor.
- 11.3 All the materials including contractor's tools & tackles, testing & erection equipment's brought by the contractor to the site shall become and remain the property of the ARCI and shall not be removed off the site without prior written approval of the ARCI. But whenever the works are finally completed and advances, if any, in respect of such materials are fully recovered, the contractor shall at his own expenses forthwith remove from the site all surplus materials supplied by him and upon such removal, the same shall revert in and become the property of the contractor.

12.0 Scaffolding Materials

- 12.1 It shall be desirable to have adequate amount of scaffolding materials / ladders to complete the work speedily and ARCI decision so as to the quantum of these desirable / resources at the site shall be final and binding.

13.0 Completion of Work

- 13.1 Before finally leaving site, all the Contractors stores, tools & tackles, testing equipment's and rubbish / Debris / waste materials shall be removed and the site left clean and tidy. The space allocated by ARCI shall be vacated and handed over to the ARCI.

14.0 Employment of Labour

- 14.1 The contractor shall comply with the requirement of statutory provisions and shall be solely responsible for fulfillment of all legal obligations under Contract Labour (reg. & abolition) Act, Inter State Migrant Workmen Registration of Employment and condition of Service Act, payment of Wages Act., Minimum Wages Act, Workmen's Compensation act, Employee's Provident Fund & Miscellaneous Provisions Act, Payment of Bonus Act, Payment of Gratuity Act, Industrial Disputes Act and all other Industrial/Labour enactments and Rules made there under as applicable from time to time. In case ARCI incurs any liability towards payment of any dues, compensation, cost of any other liability of any kind whatsoever, due to non-fulfillment of statutory provisions under any industrial/labour laws by the contractor, the same shall be made good by the contractor and ARCI shall have full right to recover and claim the same against the contractor from his outstanding bills or security deposit or EMD or any other payments to be made by ARCI.
- 14.2 The contractor will be expected to employ on the work only his regular skilled employees with experience of this particular work. The permission of the ARCI must be obtained before tradesmen are recruited locally for the work. This rule does not apply to unskilled labour. No female labour shall be employed in dark hours/ i.e. hours prohibited under the applicable law. No person below the age of eighteen years shall be employed at any point of time. The contractor shall pay, to each person, the wages as per minimum Wages Act of the State Government.
- 14.3 All traveling expenses including provision of all necessary transport to and fro, lodging allowances and other payments to the contractor's employees are his own responsibility.
- 14.4 The hours of work on the site shall be decided by the ARCI and contractor shall adhere to the same.
- 14.5 All contractors' employees shall wear safety shoes, helmet, goggles, hand gloves, nose masks and any other required personal protection equipment such identifications marks as may be provided by contractor on work site and duly approved by ARCI.
- 14.6 All notices displayed on the site and any instructions issued by the ARCI shall be strictly adhered to by the Contractor's and/or his sub-contractor's employees.
- 14.7 The contractor shall be required to maintain Group Insurance and other Acts for the workmen working at site towards safety, statutory regulations and insurance aspects applicable as per latest government (central & state) acts.
- 14.8 No Labour to stay at site.
- 14.9 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 Aadhar card for all employees the contractor shall provide security to the supervisors.

15.0 Working and Safety Regulations

- 15.1 The contractor shall observe all statutory, safety, and legal requirements / regulations issued by Central and State Governments applicable to the work as well as any local regulations applicable to the site.
- 15.2 The contractor has to fulfill the safety obligations at site and ensure that all safety equipment required for the execution of the work is available and used by the workmen at site.
- 15.3 Required safety signage and other requirement as per safety norms must be complied as per the instructions of the ARCI.

- 15.4 The contractor shall be responsible for the provision of all safety notices safety equipment's including the safety gadgets for his workmen required by both the relevant legislation and such as the ARCI may deem necessary. While working at heights, safety belts, nets, and safety helmets shall necessarily be used.

16.0 Particular attention is drawn to the following:

In case of accident, the ARCI shall be informed in writing forthwith and First-Aid, Hospitalization shall be provided by the Contractor. The contractor shall strictly follow regulations laid down by Govt. and State authorities in this regard and all cases are to be defended by the Contractor. The ARCI shall not entertain any insurance claims.

- 16.1 Contractor shall fence his site area, excavations and etc.
- 16.2 Compliance with all electricity regulations should be ensured.
- 16.3 Compliance with statutory requirements for inspection and test of all lifting appliances and auxiliary lifting gear is to be ensured.
- 16.4 Staircase, doors or gangways shall not be obstructed in any way that will interfere with means of access / escape.
- 16.5 Where it is necessary to provide and/or store petroleum products or petroleum mixtures and explosive, the contractor shall be responsible for carrying out such provision and/or storage in accordance with the rules and regulation laid down in Petroleum Act 1934. Explosive Act 1948 and Petroleum and Carbide of Calcium Manual Published by the Chief Inspector of Explosive of India. All such storage shall have prior approvals of the ARCI. In case any approval or clearance from Chief Inspector of Explosive or any statutory authorities is required, the contractor shall be responsible for obtaining the same.

17.0 Contractor's Risks

- 17.1 Contractor's Risks- All risks of loss or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract are the responsibility of the Contractor.
- 17.2 The Contractor shall be responsible for injury to persons if any, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or of any sub-contractor or of any of his or sub- Contractor's employees whether such injury or damage arises from carelessness accident or any other causes whatsoever in any way connected while carrying out the Contract. This clause shall be held to include interalia any damage to buildings, whether immediately adjacent or otherwise and any damage to roads, footpaths, or ways as well as all damage caused to the buildings and the work forming the subject to this Contract. The Contractor shall indemnify the ARCI and hold him harmless in respect of all and any expenses arising from any such injury or damage to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of Government or otherwise and also in respect of an award of compensation or damages consequent upon such claim.
The contractor shall make good all damages of every sort mentioned in the Clause, as to deliver up the whole of the Contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of third parties.
- 17.3 **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 ARCI 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 supplier's credit.

- 17.4 The cost of repairs/rectification's necessitated due to negligence of contractor's 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.

18.0 Insurance

- 18.1 The contractor shall provide workmen compensation policy, obtained in his name.
- 18.2 Policies and certificates for insurance shall be delivered by the Contractor to the ARCI for the ARCI approval before the Date of Start of work. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.
- 18.3 If the Contractor does not provide any of the policies and certificates required, the ARCI may affect the insurance which the Contractor should have provided and recover the premiums the ARCI has paid, from the contractor bills, security deposit, EMD or any other payments due. Otherwise due to the Contractor or if no payment is due, the payment of the premiums shall be a debt due. The cost of premium will be deducted from the contractor's bill, if at any time the workmen remains uninsured.
- 18.4 Alterations to the terms of the insurance shall not be made without the approval of the ARCI.
- 18.5 Both parties shall comply with the conditions in the insurance policy.
- 18.6 All policies in original shall be submitted to the ARCI after award of the contract
- 18.7 The contractor should provide all site risk policy from Government of India insurance company for Rs.5 lakhs per person per incident. Minimum 3 persons per single incident, minimum total 15 lakhs. This policy should be submitted along with the 1st bill. The premium should be paid within 10 days from 1st incident to cover the policy for the contract period. This policy document be submitted along with the first bill.

19.0 Setting out Works

- 19.1 The contractor shall set out the works and shall be responsible for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions and alignment of all parts thereof, if at any time any error shall appear during the progress of any part of works the contractor shall at his own expenses rectify such error, if called upon to the satisfaction of the ARCI.
- 19.2 **The Contractor has to check the issued P.O. with the actual site requirements of BOQ items & quantities mentioned in the P.O. if any shortfall envisaged, same may be brought to the Notice of ARCI officials in writing to issue amended P.O. to complete the job in to to. Without amended P.O. the Contractor should not start / execute the work.**

20.0 Contractor to remove non-suitable material etc. immediately.

All debris, excavated soil, scrap etc. shall be at once carted away by the contractor out the site to a place directed by the ARCI. Under intimation to concerned authorities. Any material brought on site

if found unsuitable / surplus shall be removed from site at once by the Contractor under intimation to the concerned authorities.

21.0 Inspections by ARCI

- 21.1 The representative of the ARCI at all times have free access to the works and /or to the workshops, factories or other places where materials are being prepared or executed for the Contract and also to any place where materials are lying or from which they are being obtained. No person except the representatives of Public authorities shall be allowed on the work at any time without the written permission of the ARCI. If any work is to be done at a place other than the site of the works, the Contractor shall obtain written permission of the ARCI for doing so.
- 21.2 The ARCI and their representatives shall have the right to test and/ or inspect the works to confirm their conformity to the contract, at all times, whenever in progress either on the site or on the Contractor's premises wherever situated or any firm or company where work in connection with this contract may be in progress. All records, registers or documents relating to the works including materials used on works shall be kept open to the inspection of the ARCI or his Authorized representative when so called for in writing.
- 21.3 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 from 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.
- 21.4 The inspections and tests may be conducted on the premises of the Contractor or at the site. When carried out on the premises of the Contractor or its sub-Contractor(s), all reasonable facilities and assistance including access to drawings and production data shall be furnished to the inspectors at no charge to the ARCI.
- 21.5 Should any inspected items of work fail to conform to the specifications, the ARCI shall communicate them and the Contractor shall either replace them or make all alterations necessary to meet specification requirements free of cost to the ARCI.

22.0 Covering Up/Uncovering of Works

- 22.1 No part of the works shall be covered up without the approval of ARCI and the Contractor shall afford full opportunity for examination and inspection by the ARCI. The contractor shall give due notice to the ARCI about the work to be covered up for its measurements and examination. The ARCI shall within a reasonable time attend for the purpose of examining such work, unless the ARCI specifically advises the Contractor in writing of his unwillingness not to attend for such examination in which case the Contractor may proceed further with the Contract work.
- 22.2 Should the ARCI consider it necessary in order to satisfy himself as to the quality of the work, the Contractor shall at any time during the continuance of the contract pull down or cut into any part of the work and make such opening into and to such an extent through the same, as the ARCI may direct and the Contractor shall make good the whole to the satisfaction of the ARCI, should the work prove to be faulty or in any respect not in accordance with the terms of the contract documents, the ARCI shall be at liberty to order such further removal as he may consider necessary and the whole of the expenses incurred shall be borne by the contractor. If however, the work proves to be sound and in accordance with the contract document, the actual expenses incurred in such examination will be borne by the ARCI.

- 22.3 Rates charged by the Contractor for works performed under the contract shall not vary from the rates quoted by the Contractor in this Tender.
- 22.4 **If requested by the ARCI, the Contractor shall provide the ARCI with a detailed cost breakdown of any rate in the Schedule of Quantities.**

23.0 Change in the order/ Extra items of work

- 23.1 The ARCI may at any time, by written order given to the Contractor, make alterations in, omissions from, additions to, or substitutions for, in drawings, designs or specifications or quantities of the items of work
- 23.2 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.
- 23.3 The ARCI may at any time, by written order given to the Contractor, increase the scope of work or include any new item of work. The Contractor shall be bound to carry out such works, the rates for which shall be arrived at on the basis of the CPWD/NRSC-Hyderabad Schedule of Rates or if the Schedule is silent by standard methods of rate analysis as derived by the ARCI.
- 23.4 If any such changes cause an increase or decrease in the cost of, or the time required for the Contractor's performance of any part of the work under the contract, whether changed or not changed by the order, an equitable adjustment shall be made in the contract value or work schedule, or both, and the contract shall accordingly be amended. Any claims by the Contractor for adjustment under this clause must be asserted within seven (7) days from the date of the Contractor's receipt of the ARCI change order.

24.0 Payment Terms and Documentation for payment:

- 24.1 Supply & erection amount will be paid after successful completion of entire works i.e. inspection, erection, testing, commissioning and integration of the items with the total designed scheme, subject to Joint measurement / joint inspection of the above works, bill amounting to 100% of value of supply done as per site measurements / inspection will be paid after duly signed by the representative of ARCI.
- a. 100% basic and applicable GST will be released after satisfactorily completion and acceptance of work/service.
 - b. 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.
 - c. TDS as applicable under IT Act shall be deducted from the payment.
 - d. ARCI reserves the right to adjust any excess /short payment made in the earlier bills, at the time of making payment for each bill.
 - e. 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.
 - f. Payment will be made as per actual site measurements/joint measurements.
 - g. Delivery challan with ARCI gate entry stamp in triplicate
 - h. Invoices with (SAC/HSN code if Required)
 - i. The BOQ items listed in the tender are tentative/indicative in nature. For non-operated BOQ items, the contractor is not entitled for any claim.
 - j. The Contractor shall furnish the documents along with the 1st bill.

- k. The contractor should provide all site risk policy from Government of India insurance company for Rs.5 lakhs per person per incident. Minimum 3 persons per single incident, minimum total 15 lakhs
- l. The Director, ARCI shall deduct/recover such amounts towards penalty, if any, cost of items not returned to stores, etc.
- m. The net payment so arrived at shall be paid by crossed cheque / RTGS payable to the Contractor.
- n. PF, ESI and insurance working people, accidental insurance policy should be submitted after award of the contract before submission of the RA bill.

25 Claims for Extra or for Deviations

- 25.1 The ARCI shall not be responsible for the payment of any claim for extra work not included in the contract nor the Contractor shall be entitled to claim any addition to the contract sum in respect of any changes or alterations in the materials used unless the same shall have been ordered or sanctioned, as the case may be, in writing by the ARCI.
- 25.2 If any work shall be ordered by the ARCI and executed by the Contractor for the payment of which no provision in the opinion of the ARCI have been made in the priced schedule of quantities or the specifications, the ARCI shall fix and determine such prices for the same based on the prices appearing in the priced schedule of quantities, such allowance being made as may seem to the ARCI sufficient for any difference in the character of conditions of the work. Or the rates for extra items shall be fixed on the basis of actual rate analysis / CPWD/NRSC-Hyderabad schedule of rates

26 Removal of Imperfect Work & Replacement of rejected material:

- 26.1 If, it shall appear that the work has been executed with unsound, imperfect or unskilled workmanship, or with material of any imperfect or any inferior quality or otherwise not in accordance with the contract documents the Contractor shall at his own cost rectifies, reform, remove, or reconstruct the same, either in the whole or in part, as may be directed by the ARCI, whether or not the value of any such work or materials shall have been included in any payment made to the Contractor.
- 26.2 The Contractor shall remove all debris etc., clean the floors and hand over the site quite clean on the completion of the work to the satisfaction of the ARCI.
- 26.3 On inspection/test carried out within/outside by the ARCI and if any material/items are found to be defective/faulty/not conforming to the specifications, the ARCI 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.

27 Delay in the Contractor's performance

- 27.1 Execution of the work and performance of the services shall be done by the Contractor in accordance with the time schedule specified by the ARCI in the purchase order.
- 27.2 If, at any time during performance of the contract, the Contractor should encounter conditions impending timely execution of the works and performance of services, the Contractor shall promptly notify ARCI in writing of the fact of the delay, its likely duration and its cause(s). As soon as possible, after receipt of the Contractor's notice, the ARCI shall evaluate the situation and may, entirely at its discretion, extend the Contractor's time for performance with or without liquidated damages.

28 Liquidated Damages / Penalty Clause:

If the Contractor fails to execute any or all of the works or to perform the services within the period(s) specified in the contract, the ARCI shall deduct from the contract value, as liquidated damages, minimum **0.5% per week up to a maximum of 5% (Five percent) of the PO value from the stipulated date of completion.** for each week or part thereof delay until actual completion or performance, up to a maximum deduction of the percentage specified. Once the maximum is reached, the ARCI may consider termination of the contract. The pro-rata progress envisaged and expected from the contractor shall be maintained, time being the essence of the contract. In all except force majeure conditions and for genuine reasons for which documentary evidence should be produced. Director, ARCI decision is final in this matter.

29 Termination by Default

29.1 The ARCI may without prejudice to any other right or remedy, by written notice of default sent to the Contractor, terminate the contract in whole or part:

- a) if the Contractor fails to complete any or all of the works within the period(s) specified in the NIT or any amendment thereof, or within any extension thereof granted by the ARCI, or
- b) if the Contractor fails to perform any other obligation(s) under the contract

29.2 In the event, the ARCI terminates the contract in whole or in part, the ARCI may procure, such items and in such manner as it deems appropriate, works or services similar to those unexecuted and the Contractor shall be liable to the ARCI for any excess costs for such similar work or services. However, the Contractor shall continue the performance of the contract to the extent not terminated.

30 Force Majeure

30.1 The Contractor shall not be liable for forfeiture of its security deposit/performance security, liquidated damages or termination by default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

30.2 For purposes of this clause, "Force Majeure" means an unforeseeable event beyond the control of the Contractor and is not because of the Contractor's fault or negligence. Such events may include acts of the ARCI either in its sovereign or contractual capacity, wars, revolutions, fires, floods, epidemics and such events.

30.3 If a Force Majeure situation arises, the Contractor shall promptly notify the ARCI in writing of such conditions and the cause thereof. Unless otherwise directed by the ARCI in writing, the Contractor shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

31 Termination for Insolvency

31.1 The ARCI may at any time terminate the contract by giving written fifteen days' notice to the Contractor, if the Contractor becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Contractor, provided such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the ARCI.

32 Termination for Convenience

The ARCI, by written notice of fifteen days sent to the Contractor, may terminate the contract, in whole or in part, at any time for its convenience. The notice shall specify that the termination is for ARCI's convenience, the extent to which performance of the Contractor under the contract is terminated, and the date upon which such termination becomes effective.

The items of work those are complete and ready after the Contractor's receipt of notice of termination shall be accepted, if completed within the notice period, by the ARCI at the contract terms and values. For the remaining works, the ARCI may elect;

- a) to have any portion completed at the contract terms and value and/or
- b) to cancel the remainder and pay to the Contractor an amount, finalized by the ARCI, for partially completed works and for materials and parts previously procured by the Contractor.
- c) The contractor shall obtain written permission from the ARCI to complete the incomplete items of work during the notice period.

33 Resolution of Disputes & Arbitration:

- A. 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 Alternate 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.
- B. If the contractor has to go in for subcontracting, he has to take prior written approval from the Director, ARCI for the same. But the prime contractor is held responsible for all the works. The Director, ARCI will in no way have contacts with the sub-contractor so appointed by the prime contractor.
- C. All disputes, other than quality, quantity, workmanship, specification, design, drawing, extension of time and rates for extra items, arising out of or relating to this contract whether arising during the progress of the work or after cancellation, termination, completion or abandonment there of shall be dealt with mentioned herein after. The decision of ARCI on the above said excepted matters shall be final and binding.
- D. If the contractor considers any work demanded of him to be outside the requirements of the contract or disputes any drawings, record or decision given in writing in connection with or arising out of the contract or carrying out of the work, he shall promptly within 15 days request the ARCI in writing for written instruction or decision.

34 Governing language

The contract shall be written in English language. All correspondence and other documents pertaining to the contract that are exchanged by the parties shall be written in the same language

35 Governing law

The contract shall be governed by the laws of The Union of India for the time being in force. 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 exclusive jurisdiction to determine the same.

36 Notices

Any notice given by one party to the other pursuant to this contract shall be sent to other party in writing or by cable, email, or facsimile/FAX and confirmed in writing to the other party's address. A notice shall be effective on the date on which it is delivered, or on the notice's effective date, whichever is later.

37 Discoveries

Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the ARCI. The Contractor is to notify the ARCI in writing of such discoveries and carry out the ARCI' instructions for dealing with them.

38 Dismissal of workmen:

The contractor on request from the ARCI, immediately dismiss from the works any person employed by him who may be found in the opinion of the ARCI to be unsuitable or incompetent or who has shown misconduct.

39 Working Hours, Materials Transports & etc.:

39.1 Normal working hours shall be from 9.00 a.m. to 5.30 p.m. Any executional works of important nature should not be carried out on Sundays, Holidays and during nights. However, permission to work beyond normal working hours can be granted by the ARCI in exceptional circumstances to achieve the target schedule of completion.

39.2 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.

40 Delay and Extension of time

If in the opinion of the ARCI the work be delayed:

(a) by force majeure

or

(b) by reason of any exceptionally inclement weather

or

(c) by reason of proceedings taken or threatened by or disputes with adjoining or neighboring ARCI's or public authorities

or

- (d) by delays of other contractor or Tradesmen engaged by the ARCI and the works not referred to in the Schedule of Quantities and/or specification
- or**
- (e) by reasons of ARCI instruction
- or**
- (f) by reason of civil commotion, local combination of workmen or strike or lockout affecting any of the building trades
- or**
- (g) in consequence of the contractor not having received in due time necessary instructions from the ARCI for which he shall have specially applied in writing
- or**
- (h) from other cause which the ARCI may certify as beyond the control of the contractor
- or**
- (i) by reason of non-payment of interim certificate at specified time, the ARCI shall recommend for approval a fair and reasonable extension of time for completion of the Contract works. In case of strike or lockout the contractor shall as soon as may be given written notice thereof to the ARCI, but the contractor shall nevertheless constantly use his endeavors to prevent delay and shall do all that may reasonably be required to the satisfaction of ARCI to proceed with the work.

41 Completion Certificate:

The Contractor shall request the ARCI to issue a Certificate of Completion of the Works and the ARCI will do so upon deciding that the Work is completed.

42 Final Account:

The Contractor shall put up a detailed account of the total amount payable under the Contract before the end of the defects liability period. The ARCI shall issue a defect liability certificate and certify any final payment that is due to the Contractor within 30 days of receiving the Contractor's account if it is correct and complete. If it is not, the ARCI shall issue within 60 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the ARCI shall decide on the amount payable to the Contractor and issue a payment certificate within 90 days of receiving the Contractor's revised account.

43 No Claim Certificate:

No claim certificate shall be submitted by the Contractor as per ARCI format along with the final bill (if the final bill is correct and complete).

44 Taxes (civil works): Cheque for taxes (as applicable) such as minerals and etc. to be deducted at source will be issued to the contractor. The contractor will be required to deliver the cheque to the concerned authorities, and the acknowledgement is to be deposited with ARCI along with subsequent bills.

45 Validity of Rate contract:

The term of agreement / purchase order / work order for Annual Maintenance Rate Contract and Minor Civil Works shall be for a period of One year. If the services are found to be satisfactory for first year, the contract may be extended for second year or part thereof, with the quoted BOQ price bid, on the same terms and conditions mutually agreed to by both the parties. In case of any further extension is needed by ARCI, same conditions for third year also.

46 Delivery/Completion Period:

Depending upon the site requirement and the same will be intimated through the individual Rate Contract Work/Service/purchase order.

47 Delivery/Works: for ARC-International, Hyderabad**48 Price, Taxes & Duties:** The contract price should be inclusive of all applicable taxes and duties.**49 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. ARCI is not responsible for damages/losses during the transit.**50 Inspection/Test Certificates:**

50.1 The products supplied shall carry with them the quality control/loading/Brake test certificate from the manufacturer /any authorized laboratory if required by ARCI.

50.2 Further, ARCI 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.

50.3 In respect of items which do not carry any test/quality reports, the Competent Authority from ARCI shall depute/assign his representative the Duty for inspection, certification and acceptance of the subject items/works at suppliers works.

50.4 If ARCI requires, the catalogues of each spare should be submitted for reference. All items/components shall be carefully examined to determine their conformity with their specification with respect to material and workmanship, finish, marking, dimensions, arrangements and to assess its conformity with other requirements stated or reasonably implied and not covered by specific tests.

51 Tools and Tackles:

51.1 All tools and tackles required for the work including testing equipment's shall be arranged by contractor in consultation with ARCI Officials.

51.2 The tenderer shall be fully responsible for arranging & safe custody of required tools and tackles supply/ brought by the Contractor.

52 The work shall be governed by ARCI's general conditions and security regulations of the contract from time to time.

53 The tenderer / Contractor 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 & uploaded in government portal.

- 54 The submission of tender by a tenderer / Contractor implies that he has read this notice and the conditions of contract and has made himself aware of the scope of supply and specifications of the work to be done and of the conditions, insurances, testing and rates at which stores, tools and plant etc. and local conditions and other factors bearing on the execution of the work.
- 55 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 / Contractor.
- 56 **Deviations List / Statements:** 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.
- 57 It is the responsibility of the successful tenderer to complete the work within the due date.

SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract are supplementary, to the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the General Conditions of Contract is indicated in parentheses.

1.0 Definition

- (A) ARCI means: **International Advanced Research Centre for Powder Metallurgy And New Materials (ARCI), an autonomous Research and Development Centre of Department of Science & Technology, Government of India)**
Balapur P.O., RCI Road, Hyderabad– 500005.
- (B) Site means the project site situated **at various section** buildings at ARCI, Balapur campus, on RCI road, OPP Balapur, Hyderabad

2.0 Contractor scope of work/ Scope of supply/works:

The scope of work includes estimation, design of small works (i.e. Civil – RCC, structural & etc. Electrical – SLD, Switch Gear & etc.), 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.

3.0 Accidents or Injury or loss or death to Workman:

- 3.1 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.
- 3.2 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.
- 3.3 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.
- 3.4 The contractor shall provide workmen compensation policy, obtained in his name.
- 3.5 Policies and certificates for insurance shall be delivered by the Contractor to the ARCI for the ARCI approval before the Date of Start of work. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.
- 3.6 If the Contractor does not provide any of the policies and certificates required, the ARCI may affect the insurance which the Contractor should have provided and recover the premiums the ARCI has paid, from the contractor bills, security deposit, EMD or any other payments due. Otherwise due to the Contractor or if no payment is due, the payment of the premiums shall be a

debt due. The cost of premium will be deducted from the contractor's bill, if at any time the workmen remains uninsured.

- 3.7 Alterations to the terms of the insurance shall not be made without the approval of the ARCI.
- 3.8 Both parties shall comply with the conditions in the insurance policy.
- 3.9 All policies in original shall be submitted to the ARCI after award of the contract
- 3.10 The contractor should provide all site risk policy from Government of India insurance company for Rs.5 lakhs per person per incident. Minimum 3 persons per single incident, minimum total 15 lakhs. This policy should be submitted along with the 1st bill. The premium should be paid within 10 days from 1st incident to cover the policy for the contract period. This policy document be submitted along with the first bill.

4.0 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.

5.0 Others:

- 5.1 ARCI reserves all rights to add, alter, modify, amend and delete the terms of the Contract suitable to the requirements.
- 5.2 Acceptance of the order may please be conveyed at the earliest within 15 days, failing which it will be deemed that the order is accepted.
- 5.3 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.
- 5.4 If the services are found to be satisfactory for first year, the contract may be extended for second year or part thereof, with the quoted BOQ price bid, on the same terms and conditions mutually agreed to by both the parties. In case of any further extension is needed by ARCI, same conditions for third year also.
- 5.5 All items mentioned in the schedule may or may not be operated for which the contractor cannot claim any compensation.
- 5.6 All dismantled /replaced materials shall remain ARCI property and transported to the specified location in-side ARCI by the contractor.
- 5.7 Un-used (new) materials brought by contractor shall be taken back by contractor for Which ARCI will issue Non-returnable gate pass.
- 5.8 In case of urgent repairs, contractor shall attend the same immediately with the written permission of Director, ARCI and also report the matter immediately to the ARCI authorities. To be followed up with ARCI officials / authorities for regularizing the P.O. for release of payments.
- 5.9 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.

- 5.10 The work completion will be done as per the actual site measurement and priced as per the rates quoted in the BOQ
- 5.11 If GST (i.e. statutory charges) are changed same will be applicable to the rate contract, as on date supply to ARCI.
- 5.12 The Rate contract items are used, depending up on the site conditions and requirements of ARCI during the contract period.
- 5.13 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

6.0 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.

7.0 LIQUIDATION, DEATH, BANKRUPTCY, ETC

If the contractor died 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 ARCI shall be at liberty: -

- 7.1 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

8.0 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 period 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 / uploading in government portal, 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, Mines & Mineral 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 ARCIs 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, local site conditions, 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 (ARCI will provide Power & Water free of cost. However, necessary accessories to tap the power & water is under the contractor scope) shelter for workmen and all the matters pertaining thereto before submitting the tender.

10.0 Evaluation, Comparison of Tenders and Award criteria:

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

10.1 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.

10.2 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.

10.3 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.

10.4 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, transport, overhead and etc.** 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 ARCI. 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 Director, 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 required accessories for tapping the power & water under the scope of Contractor. The contractor has to make his own arrangements for distribution of water and electricity. The standard safety and procedures of ARCI should be followed.

13.0 Mobilization Advance: Mobilization advance **nil**.

14.0 Material Advance: Material advance **nil**.

15.0 Payments

15.1 Supply & erection amount will be paid after successful completion of entire works i.e. inspection, erection, testing, commissioning and integration of the items with the total designed scheme, subject to Joint measurement / joint inspection of the above works, bill amounting to 100% of value of supply done as per site measurements / inspection will be paid after duly signed by the representative of ARCI.

15.2 Computerized detailed measurements, and Final Bill will be prepared by contractor and submitted to ARCI for approval.

15.3 Payment shall be made on bills submitted by the Contractor.

15.4 The Contractor shall furnish the following documents along with the bills.

- a. Delivery Challan with ARCI gate entry stamp & Invoices with SAC/ HSN code in triplicate.
- b. Joint Site Measurement and Inspection Certificate given by ARCI.

- c. All bills should be enclosed with ARC I gate entry stamp on delivery challans, abstract details of detailed joint measurements taken along with ARC I officials.
- d. The contractor should supply the materials by procuring the electrical items from the authorized dealer of the item, and he should enclose the proof/bill with his bill.

15.5 The Director, ARCI shall deduct/recover such amounts towards penalty, if any, cost of items not returned to stores, etc.

15.6 TDS under IT Act, as applicable shall be deducted from the payment.

15.7 The net payment so arrived at shall be paid by online / RTGS payable to the Contractor.

15.8 The Director, ARCI reserves the right to adjust any excess/short payment, made in the earlier bills, at the time of making payment.

15.9 The BOQ items and quantities mentioned in PO are approximate in nature, depending upon the site conditions the requirement for BOQ items are operated as per actual site measurements, The payments will be released as per actual site measurements.

15.10 PF, ESI and insurance working people, accidental insurance policy should be submitted after award of the contract before submission of the RA bill.

15 Notices

For the purpose of all notices, the following shall be the address of the ARCI and the Contractor.

ARCI:The Director,

**International Advanced Research Centre for Powder
Metallurgy and New Materials (ARCI),**
Balapur P.O., RCI Road,
Hyderabad– 500005.

16.0 Email: director@arci.res.in, stores@arci.res.in, nsrinivas@arci.res.in

with CC to: vbalajirao@arci.res.in, nirmala@arci.res.in, arsrinivas@arci.res.in, rakesh.t@arci.res.in

17.0 Labour

17.1 The Contractor shall make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport. **No labour to stay at ARCI site / campus.**

17.2 The Contractor shall, if required by the ARCI, deliver to the ARCI a return in detail, in such form and at such intervals as the ARCI may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the ARCI may require.

17.3 Compliance with labour regulation:

During continuance of the contract, the Contractor and his sub-Contractors shall abide at all times by all existing labour enactments and rules made thereunder, regulations, notifications and bye-laws of the State or Central Government or local authority and any other labour law (including rules), regulation by laws that may be passed or notifications that may be issued under any labour law in future either by the State or the Central Government or the local Authority. The Contractor shall keep the ARCI indemnified in case any action is taken against the ARCI by the competent authority on account of contravention of any of the provisions of any Acts or rules made thereunder, regulation or notifications including amendments. If the ARCI is caused to pay or reimburse, such amount as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules /regulations including amendments, if any, on the part of the Contractor, the ARCI shall have the right to deduct any money due to the Contractor including his amount of performance security. The ARCI shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the ARCI

17.4 The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the ARCI at any point of time.

17.5 No labour shall stay at site. Temporary storage space provision should be made by contractor with the permission of Director, ARCI.

17.6 The rates shall be complete in all respects i.e. inclusive of all taxes, octroi, local taxes, packing and forwarding, work contract tax, Mines & Minerals Tax, Insurance charges nothing on any account shall be paid over the approved rate.

17.7 All specialized and specific jobs shall be carried out by approved agencies / vendors only.

17.8 The Contractor shall arrange temporary drinking water and sanitation facilities for his workmen.

18.0 Fair Wage Clause:

- i. The contractor shall pay not less than fair wages to labourers engaged by him on the work.
- ii. "Fair" wages means wages whether for time of piecework notified by the Government from time to time, for the locality of works.
- iii. The contractor shall not with-standing the revisions of any contract to the contrary cause to be paid to the labour, in directly engaged on the work including any labour engaged by the sub-contractor in connection with the said work, as if the labourers had been directly employed by him.
- iv. In respect of labour directly or indirectly employed in the works for the purpose of the contractor's part of the agreement the contractor shall comply with the rules and regulations on the maintenance of suitable records prescribed for this purpose from time to time by the Government. He shall maintain his accounts and vouchers on the payment of wages to the labourers to the satisfaction of the ARCI.
- v. The ARCI shall have the right to call for such record as required to satisfy himself on the payment of fair wages to the labourers and shall have the right to deduct from the contract amount a suitable amount for making good the loss suffered by the worker or workers by reason of the "fair wages" clause to the workers.

- vi. The contractor shall be primarily liable for all payments to be made and for the observance of the regulations framed by the Govt., from time to time without prejudice to his right to claim indemnity from his sub-contractors.
- vii. As per contract labour (Regulation and abolition) Act. 1970 the contractor has to produce the license obtained from the licensing officers of the labour department along with the tender or at the time of agreement as per the act.
- viii. Any violation of the conditions above shall be deemed to be a breach of his contract.
- ix. Equal wages are to be paid for both men and women if the nature of work is same and similar.
- x. The contractor shall arrange for the recruitment of skilled and unskilled labour local and imported to the extent necessary to complete the work within the agreed period as directed by the ARCI.

19.0 Safety Measures:

- i. The contractor shall take necessary precautions for safety of the workers and preserving their health while working in such jobs, which require special protection and precautions. The following are some of the measures listed but they are not exhaustive and contractor shall add to and augment these precautions on his own initiative where necessary and shall comply with directions issued by the ARCI or on his behalf from time to time and at all times.
- ii. Providing protective foot wear, Goggles, nose masks, electrical hand Gloves, helmet to the workers as per the site requirement.
- iii. Getting the workers in such jobs periodically examined for chest trouble due to too much breathing in to fine dust.
- iv. Taking such normal precautions like fencing and lighting in excavation of trenches, working at the heights during night times and etc. As per the site requirement.
- v. Supply work men with proper belts, ropes etc., when working in precarious slopes and heights etc. As per the site requirement.
- vi. Avoiding un-insulated electrical wire etc., as they would electrocute the workers.
- vii. Taking necessary steps towards training the workers concerned on the machinery tools and tackles before they are allowed to handle them independently and taking all necessary precautions in and around the areas where machines hoists cable pulleys, rollers, hydraulic crimping tools and heat sink cable jointing kits and similar units are working.
- viii. The Contractor should isolate the work spot by providing safety barricades, Signage boards and etc.

20.0 Firefighting measures:

- a) The contractor shall provide and maintain adequate firefighting equipment and take adequate fire precaution measures for the safety of all personnel and temporary and permanent works and shall take action to prevent damage to destruction by fire of trees shrubs and grasses.
- b) Separate payment will not be made for the provision of fire prevention measures at work spot.

21.0 Protection of environment

- 21.1 The Contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

- 21.2 During continuance of the contract, the Contractor and his sub-contractors shall at all times abide by all existing enactment on environmental protection and rules made thereunder, regulations, notifications and bye-law of the State or Central Government, or local authorities and any other law, by-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.
- 21.3 Salient features of some of the major laws that are applicable are given below: The Water (Prevention and Control of Pollution) Act, 1974 This provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water. 'Pollution' means such contamination of water or such alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial agricultural or other legitimate uses, or to the life and health of animals or plants or of aquatic organisms.
- 21.4 The Air (Prevention and Control of Pollution) Act, 1981, This provides for prevention, control and abatement of air pollution, 'Air Pollution' means the presence in the atmosphere of any air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.
- 22.5 The Environment (Prevention and Control of Pollution) Act, 1986 This provides for the protection and improvement of environment and for matters connected to herewith, and the prevention of hazards to human beings. Other living creatures, plants and property, 'Environment' includes water, air and land and the interrelationship which exists among and between water, air and land, and human beings, other living creatures, plants, micro-organism and property.
- 22.6 The Public Liability Insurance ACT 1991. This provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substance means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act 1986, and exceeding such quantity as may be specified by notification by the Central Government.

23.0 Deployment of Manpower:

The contractor shall deploy the following minimum man power at site to take instructions from ARCI Staff & Report the site activities on day to day basis as per works schedule execution of quality work and maintain all statutory records as per Govt. norms / as directed by ARCI staff.

- 1) Diploma in electrical for Electrical works & Diploma in Civil for Civil works to supervise the entire works along with safety aspects of working manpower and to coordinate with ARCI officials.
- 2) ITI / Tradesman / qualified competent Technicians along with helper to carried out the Electrical / Civil works, and measurement and etc.
- 3) PF, ESI and insurance working people, accidental insurance policy should be submitted after award of the contract before submission of the RA bill.

- 24.0 The quantity mentioned in the purchase order is only approximate in nature i.e., approximate quantified scope. Hence, the contractor should **not claim any compensation towards non-operation of the part or total quantities and non-operated items listed in the Purchase order.**

25.0 Accident or Injury to Workman:

- a) ARCI shall not be responsible for any injury or loss of life of any worker 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.
- b) 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 ARCI.

26.0 Since the payments are based on actual site measurement, the contractors are advised to procure the materials based on actual site requirement. Payment will not be made for left out and unused materials.

27.0 **Income tax:** During the currency of the contract, deduction of TDS as applicable from the gross value of each bill of the contract.

28.0 GST rates and SAC/ HSN codes as per rule as applicable will be shown separately by the contractor.

29.0 The Contractor will be required to keep all the codes mentioned in the document at site. It will be the responsibility of the contractor to obtain GST rates and SAC/ HSN codes for supply and services, where ever applicable.

30.0 It would be necessary for the contractor to get his materials gate entry at ARCI Main gate with duly signed by the duty officer of ARCI before unloading at the site.

31.0 BOQ Items: The quantity mentioned in the BOQ schedule is one in number. The contractor has to supply more than one quantity as per site demand during contract period in operation.

ARTICLES OF AGREEMENT

Made at This day of 2025.

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 RATE CONTRACT AND MINOR CIVIL / ELECTRICAL 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 Annual Rate Contract” 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, terms & conditions of NIT, GCC and SCC 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 ARCI.

- (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) Any Disputes for fulfilling the duties set forth in the “Resolution of Disputes and Arbitration” clauses as defined with tender conditions of contract.
- (9) Resolution of Disputes and 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 ARCIs, 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 of2025.

.....
 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)2025 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 it successors –in-interest and assigns).

**Whereas ARCI has entrusted the work for ANNUAL RATE CONTRACT AND MINOR CIVIL / ELECTRICAL 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 favor 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, including any event / accident to comply with every prescribed statutory requirement and /or every condition contained in the contract relating to employment of labour, personnel, material, 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, all statutory payments to state and central governments or any other similar welfare legislation that may be applicable to all or any material / 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.

TECHNICAL SPECIFICATIONS FOR BoQ
ITEMS

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

ITEM CODE	ITEM NAME	ITEM SPESIFICATION
304004427	SITE CLEARANCE OF WORK SPOT	<p>SITE CLEARANCE OF WORK SPOT:-</p> <p>Clearing Jungle including uprooting of rank vegetation, grass, brush wood, trees and sapplings of girth up to 30cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared. Removing of roots, stacking or disposing the excavated materials lead upto 1KM and lift upto 1.50 mtr as directed by the Engineer-in-charge.</p>
304004428	EARTH WORK IN EXCAVATION	<p>EARTH WORK IN EXCAVATION:-</p> <p>Earth work in Excavation over AREAS by manual / mechanical in ALL KINDS OF SOIL upto a depth not exceeding 1.50 mtr including disposal of excavated earth, lead upto 1KM and lift upto 1.50 mtr etc., complete all as per specifications. (Disposed earth to be levelled by breaking clods if any and neatly dressed). 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 1KM & spreading in layers and as per specifications and direction Engineer. In all soils including soft rock/disintegrated rock</p>

		<p>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</p>
<p>304004429</p>	<p>CONTROL FILLING WITH SAME SOIL</p>	<p>Control filling with same soil:-</p> <p>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.</p>

304004430	CONTROL FILLING WITH OUT SOIL	<p>Control filling out side soil:-</p> <p>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.</p>
304004431	Plinth protection	<p>Plinth protection :-</p> <p>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,</p>

		curing, lift charges etc., complete including cost of CC bed for finished item of work. 1.Sand:Only River 2.SandCement: Ultratech / Ambuja /Bharathi cement
304004432	Dismantling / cutting of Brick wall	Dismantling / cutting of Brick wall:- Demolishing brick work / cutting of Brick wall / Lime sand brick walls / stone masonry and disposal of unserviceable material away from the campus including cost of hire charges of cutting equipment, labor charges etc. complete all as directed
304004433	Dismantling / cutting of RCC items	Dismantling / cutting of RCC items:- 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.

304004434	Dismantling/Removing of doors	<p>Dismantling/Removing of doors:-</p> <p>Dismantling doors, windows and clearstorey windows (steel / Aluminium or wood) shutters including chowkhats, archi-trave, holdfasts, etc; complete and stacking the serviceable materials and disposal of unserviceable material away from the campus etc complete all as directed</p>
304004435	PCC (1:2:4)	<p>PCC (1:2:4):-</p> <p>Providing and laying cement concrete using 20mm nominal size graded hard granite stone aggregate obtained from approved quarry including compaction, finishing top surface to level, curing but excluding cost of formwork, etc; complete all as per specifications. Mix ratio specified is for (cement: coarse Machine sand: graded stone aggregate) In walls (any thickness), retaining walls, return walls including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets upto floor-V level, with: 1.Sand: Only River Sand 2.Cement: Ultratech / Ambuja /Bharathi cement</p>

304004436	PCC(1:4:8)	<p>PCC(1:4:8):-</p> <p>Providing and laying cement concrete using 40mm nominal size graded hard granite stone aggregate obtained from approved quarry including compaction, all leveling courses under foundations, 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</p>
304004437	PCC(1:5:10)	<p>PCC(1:5:10):-</p> <p>Providing and laying cement concrete using 40mm nominal size graded hard granite stone aggregate obtained from approved quarry including compaction, all leveling courses under foundations, 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</p>

304004438

R.C.C(1:1.5:3) prop. (Ready Mix)

R.C.C(1:1.5:3) prop. (Ready Mix):-

Providing and laying Ready Mixed Concrete of specified grade machine batched by weight, machine mixed as per the design mix standards in the Ready Mix plant and transported to the place of work. The concrete is made using graded granite stone aggregates aggregates of maximum 20mm nominal (down graded) size obtained from approved quarry including fine aggregates conforming to latest IS 383 and cement all as per the design mix proportions conforming to IS 10262 with minimum cement content for durability including supplying and providing concrete cover etc., which shall be followed as per latest IS 456 including pumping to all heights, placing, spreading, vibrating, compaction, finishing to required levels, curing etc., complete all as per specifications but excluding cost of formwork and steel reinforcement. admixture as per IS:9103 to accelerate / retard setting of concrete, improve workability without impairing strength & durability

NOTE:-

- (1) Ready Mixed Concrete should be from reputed manufacturers and contractors have to obtain prior approval of EIC with respect to supplier of RMC.
- (2) Rate to include the transportation with all leads from RMC plant to the place of work and pumping of concrete to any height and the rate shall be for all leads.
- (3) Cement concrete delivered at site should be workable

and should satisfy all the required standard tests like cube test and slump test etc., as specified in code of practice. Samples taken at site only will be deciding factor.

(4) Department will not have any direct contact in matters relating to payment, delivery schedule, quality of concrete etc. It is the responsibility of contractor to ensure proper co-ordination for the timely supply of concrete and approved quality product.

(5) Contractor has to make arrangement for proper approach road (for which nothing extra shall be paid for) to enable the vehicle carrying concrete to move freely without any extra cost to the department before ordering the concrete. However existing approach road may be made use of for this purpose.

(6) Contractor has to ensure proper strong shuttering / centering to receive the concrete at all heights.

(7) Contractor has to indemnify the Department arising out of possible dispute with the manufacturers.

(8) The design mix of RMC of the manufacturer/supplier of RMC has to be obtained well in time and approval of Engineer in Charge to be obtained prior to use. The design mix should be based on latest IS 456. This approval has to be obtained whenever the design mix is changed. The RMC should be supplied confirming to the approved design mix which shall be continuously checked during the progress of work. All the quality checks as per IS stipulations should be scrupulously followed during the concreting. The work shall be carried

		<p>out at all heights. (9) Fly ash if used in RMC will conform to Grade - I of IS 3812 (10) Laid RMC will be accepted by EIC based on criteria as per IS 456 which will be based on test results of concrete cube specimen taken at site. (11) The rate quoted shall also include refinishing the top of slab surface (delayed finish) as per the specifications of RMC Manufacturer.</p>
304004439	R.C.C(1:1.5:3):- UPTO PLINTH LEVE	<p>R.C.C(1:1.5:3):- UPTO PLINTH LEVEL</p> <p>Providing and laying in position REINFORCED CEMENT CONCRETE using graded hard granite stone aggregate of 20mm nominal size obtained from approved quarry including mechanical mixing, vibrating, compaction, finishing, curing, etc; complete all as per specifications but excluding the cost of form works and steel reinforcement. (Rate to include labour for keeping embedments if any, wherever required while casting). Mix ratio is specified is for (cement : coarse river sand : graded stone aggregate) ALL WORKS UPTO PLINTH LEVEL, with: Use Cement:- Ultratech / Ambuja cement/Bharathi</p>

304004440	R.C.C(1:1.5:3):- UPTO FLOOR FIVE LEVEL	<p>R.C.C(1:1.5:3):- UPTO FLOOR FIVE LEVEL:-</p> <p>Providing and laying in position REINFORCED CEMENT CONCRETE using graded hard granite stone aggregate of 20mm nominal size obtained from approved quarry including mechanical mixing, vibrating, compaction, finishing, curing, etc; complete all as per specifications but excluding the cost of form works and steel reinforcement. (Rate to include labour for keeping embedments if any, wherever required while casting). Mix ratio is specified is for (cement : coarse river sand : graded stone aggregate) UPTO FLOOR FIVE LEVEL. In walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, beams, suspended floors, roofs having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases etc., with: Use Cement:- Ultratech / Ambuja cement/Bharathi</p>
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304004441	R.C.C(1:2:4):- UPTO PLINTH LEVEL	<p>R.C.C(1:2:4):- UPTO PLINTH LEVEL</p> <p>Providing and laying in position REINFORCED CEMENT CONCRETE using graded hard granite stone aggregate of 20mm nominal size obtained from approved quarry including mechanical mixing, vibrating, compaction, finishing, curing, etc; complete all as per specifications but excluding the cost of form works and steel reinforcement. (Rate to include labour for keeping embedments if any, wherever required while casting). Mix ratio is specified is for (cement : coarse river sand : graded stone aggregate) ALL WORKS UPTO PLINTH LEVEL, with: Use Cement:- Ultratech / Ambuja cement/Bharathi</p>
304004442	R.C.C(1:2:4):- UPTO FLOOR FIVE LEVEL	<p>R.C.C(1:2:4):- UPTO FLOOR FIVE LEVEL</p> <p>Providing and laying in position REINFORCED CEMENT CONCRETE using graded hard granite stone aggregate of 20mm nominal size obtained from approved quarry including mechanical mixing, vibrating, compaction, finishing, curing, etc; complete all as per specifications but excluding the cost of form works and steel reinforcement. (Rate to include labour for keeping embedments if any, wherever required while casting). Mix ratio is specified is for (cement : coarse river sand : graded stone aggregate) UPTO FLOOR FIVE LEVEL. In walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers,</p>

		<p>abutments, posts and struts, beams, suspended floors, roofs having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases etc., with: Use Cement:- Ultratech / Ambuja cement/Bharathi</p>
<p>304004443</p>	<p>MS or TOR Steel</p>	<p>MS or TOR Steel:-</p> <p>Steel reinforcement for all R.C.C items, Supply ,Fabricating and fixing in position HYSD / MS or Tor Steel reinforcements of various diameters including decoiling, cutting, hooking, bending, cranking, fabricating to required shape, placing in position and tying the system with soft drawn annealed binding wire of diameter not less than 1.00mm with 2 strands etc; complete all as per specifications at all heights (binding wire will not be measured for payment). Use steel-Tata tisco/VSP/Sail Steel only</p>

304004444	Structural Steel	<p>Structural Steel:-</p> <p>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</p>
304004445	WIRE MESH	<p>WIRE MESH:-</p> <p>Supply, fabricating and fixing of welded steel wire mesh /weld mesh (25x25xmm at 13 guage) including two coats of synthetic enamel paint over primary coat, welding charges, labour charges etc. MAKE-CHAMPAIN OR EQUIVALENT</p>

304004446	50MM DIA MS PIPE	<p>50MM DIA MS PIPE:-</p> <p>Suppling, fabricating, assembling, hoisting/ erecting and fixing in position at all heights and with all leads, structural steel works of welded built-up sections, all as per structural drawings and as per detailed specifications (for materials and workmanship) in the situations described hereinafter including a)cutting of components to required lengths/ widths and shapes/profiles, b)smooth machining of edges/ faces, c) welding (electric arc welding) at joints of built-up sections/ single sections for required weld lengths and sizes and d) painting all over with two coats of Synthetic enamel paint of approved quality, make and colour/shade over one coat of red oxidezinc chromate primer with surfaces duly prepared to receive painting etc., complete all as directed by the Engineer-in-charge. NOTE : The Contractor shall submit fabrication shop drawings for work involved based on construction drawings (that may be issued during construction period) for approval by Engineer-in-charge. The fabrication work shall start only after approval to the fabrication drawings. Any change required in the fabrication drawings shall be carried out at no extra cost over the quoted rates. Fabrication shall be in a perfectly workmanship like manner and as provided in Section V and VI of IS 800 and IS 7215. Welding shall be carried out by qualified welders. Electrodes for welding, the procedure, selection, test and inspection shall conform to provisions in IS 816, IS</p>
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		<p>818, IS 822, and IS 833. Erection/hoisting shall commence only after passing of fabricated parts by the Engineer -in- charge. medium class MS pipes of any diameter, including bendig the pipes. MAKE:Tata/Jindal</p>
<p>304004447</p>	<p>Brick Masonry:- UPTO FLOOR V LEVEL</p>	<p>Brick Masonry:- UPTO FLOOR V LEVEL</p> <p>Providing and constructing BRICK MASONRY in cement mortar as per mixes stipulated below using approved well burnt bricks of "CLASS DESIGNATION" (Classification as per I.S. 1077-1986) as specified below including raking out joints 10mm deep, scaffolding, curing, etc; complete as per specifications IN SUPERSTRUCTURE UPTO FLOOR V LEVEL. BRICKS of CLASS DESIGNATION '3.5' (Minimum Average Compressive strength not less than 3.5N/sqmm) in cement mortar 1:6 Use First quality brick, River sand & Ultratech / Ambuja cement/bharathi cement</p>

304004448	Brick Masonry:- UPTO PLINTH LEVEL	<p>Brick Masonry:- UPTO PLINTH LEVEL:-</p> <p>Providing and constructing BRICK MASONRY in cement mortar as per mixes stipulated below using approved well burnt bricks of "CLASS DESIGNATION" (Classification as per I.S.1077-1986) as specified below, including raking out joints 10mm deep wherever required curing, etc; complete all as per specifications in FOUNDATION AND PLINTH. Using BRICKS of CLASS DESIGNATION '3.5' (Minimum Average Compressive strength not less than 3.5 N/sqmm) in cement mortar 1:6 Use First quality brick, River sand & cement: Ultratech / Ambuja cement/bharathi cement</p>
304004449	Half Brick Masonry	<p>Half Brick Masonry:-</p> <p>Providing and constructing HALF BRICK MASONRY walls/partitions in the following mixes using FIRST CLASS well burnt bricks of "CLASS DESIGNATION" (Classification as per I.S. 1077-1986) as specified below including scaffolding, raking out joints, curing, etc. complete with R.C.C 1:2:4 (1 cement:2 sand:4 graded stone aggregate of 20mm nominal size) - stiffeners of size 115mmx75mm at every 900mm centers including formwork TMT Fe 500D reinforcement consisting of 2 nos. of 8mm dia TMT Fe 500D bars for main reinforcement with 8mm dia TMT Fe 500D links at 230mm c/c for each R.C.C stiffener etc; complete as per specifications in GROUND TO FLOOR-V LEVEL.all</p>

		<p>complete as per specifications, and directions of Engineer. Using BRICKS of CLASS DESIGNATION '3.5' (Minimum Average Compressive strength not less than 3.5N/sqmm) In cement mortar 1:4 Use First quality brick, River sand & Ultratech / Ambuja cement/bharathi</p>
<p>304004450</p>	<p>C.R.S.Masonry(1:6)</p>	<p>C.R.S.Masonry(1:6) :-</p> <p>Providing and constructing RANDOM RUBBLE MASONRY using hard granite stones obtained from approved quarry with bond stones at 2m apart in cement mortar in mixes stipulated below without pinning on face, but including raking out joints including curing, scaffolding, etc; complete as per specifications IN GROUND TO FLOOR V LEVEL. (Rate includes cost of bond stones wherever provided) Dressing of stones and quoins shall be as follows: DRESSING: Stone shall be hammer dressed on the face, the sides and the beds, to enable it to come into close proximity with the neighbouring stone. The bushing in the face shall not project more than 4cm on an exposed face and 1cm on a face, to be plastered. The hammer dressed stone shall also have a rough tooling for a minimum width of 2.5cm along the 4 edges of the face of stone. Quoins: Neatly dressed with the hammer or chisel to form the</p>

		<p>required angle and laid header and stretcher alternately. These stones shall have a minimum of 2.5cm wide chisel draft at 4 edges, all the edges being in the same plane. In cement mortar 1:6, all complete as per specifications and directions of the Engineer. Use River sand & Ultratech / Ambuja cement/bharathi</p>
<p>304004451</p>	<p>R.R(1:6)</p>	<p>R.R(1:6) :-</p> <p>Providing and constructing SIZE STONE MASONRY using hard granite stones obtained from approved quarry, with edges of all stones chisel dressed to obtain uniform size and shape and in courses not less than 20cm with bond stones 2m apart in each course including raking out joints, curing, scaffolding, etc; complete as per specifications IN GROUND TO FLOOR-V LEVEL. The dressing on stones and quoins shall be as follows: Dressing: Face stones shall be hammer dressed on all beds and joints, so as to give them approx. rectangular block shape. These shall be squared on all joints and beds. The bed joints shall be rough chisel dressed for atleast 5cm back from the face, and the side joints for atleast 4cm such that no portion of the dressed surface is more than 6mm from a straight edge placed on it. The remaining portion of the stone shall not project beyond the surface of bed and side joints.. The bushing on the face shall not project more than 4cm on an</p>

		<p>exposed face and 1cm on a face to be plastered. The hammer dressed stone shall also have a rough tooling for a minimum width of 2.5cm along the four edges of the face of the stone. Quoins: The quoins which shall be of the same height as the course in which these occur, shall be formed of stones of at least 25cm long, laid stretchers and headers alternately. These shall be laid square on the beds, which shall be rough chisel dressed to a depth of atleast 10 cm. These stones shall have a minimum of 2.5cm wide chisel drafts at four edges. All the edges being in the same plane. In cement mortar 1:6, all complete as per specifications and directions of the Engineer. Use River sand & Ultratech / Ambuja cement/bharathi</p>
304004452	SOLING WORK	<p>SOLING WORK:-</p> <p>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.</p>
304004453	Stone Pitching	<p>Stone Pitching:-</p> <p>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 stones and 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</p>

304004454	D.P.C	<p>D.P.C:-</p> <p>Providing damp proof course 20mm thick in cement mortar 1:3 mixed with water proofing compound of approved quality and brand such as CICO or ACCOPROOF (2% by weight of cement) / CONPLAST X-421 IC / Dr Fixit / Sika or or equivalent make as per manufacturer's specifications including setting to level, curing at plinth level, etc; OR one coat of hot bitumen of grade 80/100 or equivalent using 1.7kg/sqm as damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. and all necessary by works complete all as per specifications and directed by the Engineer. Use River sand & Ultratech / Ambuja cement/bharathi</p>
304004455	crack filler	<p>crack filler:-</p> <p>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.</p>
304004456	PLASTERING-20MM THICK	<p>PLASTERING-20MM THICK:-</p> <p>Plastering 20mm thick with cement mortar specified below finished smooth including scaffolding, curing, etc;</p>

		complete for INTERNAL AND EXTERNAL SURFACES of stone masonry/brick masonry walls, sills, jambs, soffits etc; complete all as per specifications at all heights Mix specified is for cement : fine river sand. with CM 1:6. Use Cement: Ultratech / Ambuja cement /Bharathi
304004457	PLASTERING-15MM THICK	<p>PLASTERING-15MM THICK :-</p> <p>Plastering 15mm thick with cement mortar specified below finished smooth including scaffolding, curing, etc; complete for INTERNAL AND EXTERNAL SURFACES of stone masonry/brick masonry walls, sills, jambs, soffits etc; complete all as per specifications at all heights Mix specified is for cement : fine river sand. with CM 1:6. Use Cement: Ultratech / Ambuja cement /Bharathi</p>
304004458	Lathe Plastering	<p>Lathe Plastering:-</p> <p>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,</p>

		<p>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 & Ultratech / Ambuja cement/Bharathi</p>
304004459	Cement Based Water Proofing Treatment	<p>Cement Based Water Proofing Treatment :-</p> <p>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 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</p>

		<p>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.</p>
304004460	white washing	<p>white washing:-</p> <p>White washing with lime (fat lime class-C) three or more coats to give an even shade to walls and ceilings including scaffolding, cleaning the surface, cost of lime powder, Labour Charges and gum, etc; complete all as per specifications.</p>
304004461	SNOW CEM	<p>SNOW CEM:-</p> <p>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</p>

304004462	O.B.D Painting	<p>O.B.D Painting:-</p> <p>Providing and applying 2coats of oil bound distemper (asain make) of approved make and shade over a coat of primer including putty, scaffolding, cost and conveyance of all materials labour charges etc Make:Asain/</p>
304004463	French Spirit polish	<p>French Spirit polish:-</p> <p>French spirit polishing TWO or more coats including a coat of wood filler and Shellac at 0.245kg/10sqm on new work etc; complete all as per specifications. (Rate to include cost of wood filler, pigment, woollen cloth, putty, sand paper, linseed oil, cotton, etc), all complete to desired finish at all locations and as desired finish at all locations and as per specifications and direction of the engineer</p>
304004464	SYNTHETIC ENAMEL PAINTING	<p>SYNTHETIC ENAMEL PAINTING:-</p> <p>Painting wood work with TWO or more coats of SYNTHETIC ENAMEL PAINT of I quality and approved colour to give an even shade over a coat of synthetic enamel primer including cleaning the surfaces, filling the crevices with approved filler, applying a coat of approved putty on whole surface and rubbing the surface to achieve desired smooth surface, scaffolding, etc; complete all as per specifications. (Rate to include cost</p>

		of synthetic enamel primer, putty also). and Painting steel work with TWO or more coats of SYNTHETIC ENAMEL PAINT of I quality and approved colour to give an even shade over a coat of red oxide zinc chromate primer including cleaning the surfaces, applying a coat of approved putty on whole surface and rubbing the surface to achieve desired smooth surface, scaffolding, etc; complete all as per specifications (Rate to include cost of zinc chromate primer, putty also).
304004465	Acrylic Emulsion Paint	<p>Acrylic Emulsion Paint:-</p> <p>Painting internal plastered surfaces with two or more coats of super acrylic emulsion paint of approved brand and colour (Superior emulsion paint of Asian or Berger or equivalent) to give an even shade with required finish over a coat of water thinnable cement primer including cleaning the surfaces, filling the crevices with approved filler, scaffolding, etc., complete all as per specifications</p>
304004466	Royale Luxury emulsion paint	<p>Royale Luxury emulsion paint:-</p> <p>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,</p>

		removing paint marks over windows, doors, flooring etc. complete. Makes:Asian make equivalent Berger paints
304004467	Apex Ultima	<p>Apex Ultima:-</p> <p>Painting external plastered surfaces with two or more coats of 100% acrylic exterior emulsion paint of approved make and colour (ultima of Asian or equivalent) having protection against fungal growth, flaking, fading, alkali and UV degradation and to give an even shade with required finish including cleaning the surfaces, applying one coat of primer, filling the crevices with approved filler, scaffolding, etc., complete all as per specifications. Makes:Asian make equivalent Berger paints</p>
304004468	TEXTURE PAINTING	<p>TEXTURE PAINTING:-</p> <p>Finishing walls with TEXTURED EXTERIOR finish with cleaning the surfaces thoroughly and application of base coat of water proofing exterior primer, Above priming coat apply EXTERIOR OR INTEIOR TEXTURED paint of approved pattern/design over Textured paint and two or more coats of exterior paint APEX or equivalent shall be applied over texture paint (all as per manufacturars specification and coverage) the rate is inclusive of scaffolding, other incidentals, complete at all heights and</p>

		levels., complete all as per specifications. Makes:Asian make equivalent Berger paints
304004469	Royal play	<p>Royal play:-</p> <p>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</p>
304004470	Vitrified tiles-double charged	<p>Vitrified tiles-double charged:-</p> <p>Providing and laying vitrified ceramic tile flooring / skirting of required size in Premium Series using approved quality ceramic tiles as per ISO 15622 of specified sizes (Kajaria / Johnson / NITCO/Somany or equivalent make) and approved colour with straight edge laid with a gap of and over 5-8mm thick BAL-CEM Adhesive (gold star) conforming to IS15477 of M/s. ARDEX ENDURA (INDIA) PVT LTD., and joints grouted using the mixture of Bal-grout and Bal- GT1 of approved shade / colour having paper joint and finishing to required level, etc., complete all as per specifications and as directed by Engineer in charge at all levels for: Note: Rate for skirting includes providing 6 x 10 mm neat groove on top i.e, at junctions of plaster and skirting.</p>

304004471	Vitrified tiles-Single charged/Nano	<p>Vitrified tiles-Single charged/Nano:-</p> <p>Providing and laying vitrified ceramic tile flooring / skirting of required size in Premium Series using approved quality vitrified ceramic tiles conforming to IS:15622 - 2006 Group B II, having straight cut edges for paper joints of approved size and thickness in all colours, shades and approved make of M/s. Kajaria / Jhonson / Nitco/Somany or equivalent, laying the tiles over a bed of 20mm thick cement mortar 1:3 with cement slurry @ 3.3kg / sqm including grouting the joints with white cement and matching pigments etc., finishing to required level, curing etc. as per manufacturer's specifications, drawings etc. at all heights and in all floors for: Note: Rate for skirting includes providing 6 x 10 mm neat groove on top i.e, at junctions of plaster and skirting.</p>
304004472	Ceramic Floor Tiles	<p>Ceramic Floor Tiles:-</p> <p>Providing and laying Ceramic tile flooring/dadoing of approved quality, of all sizes, colour and thickness according to the dimensions of tiles and having scratch hardness and other parameter conforming to IS 15622 (kajaria or Jhonson or somany or equivalent make) laid over a bed/backing as specified below, with cement slurry at 3.30kg/sqm, close jointed and pointed with matching white cement slurry mixed with approved pigment and finishing to required level, curing etc., complete all as per</p>

		specification and as directed by Engineer In charge at all floors. in flooring with approved colour floor tiles (Regular / plain or dark colour/ glossy or mat series) all sizes as directed by Engineer in Charge and as per IS 15622 over bed/backing of 20mm thick in CM 1:4.
304004473	Ceramic Dado/Wall Tiles	<p>Ceramic Dado/Wall Tiles:-</p> <p>Providing and laying Ceramic tile flooring/dadoing of approved quality, of all sizes, colour and thickness according to the dimensions of tiles and having scratch hardness and other parameter conforming to IS 15622 (kajaria or Jhonson or somany or equivalent make) laid over a bed/backing as specified below, with cement slurry at 3.30kg/sqm, close jointed and pointed with matching white cement slurry mixed with approved pigment and finishing to required level, curing etc., complete all as per specification and as directed by Engineer In charge at all floors. in dado with approved colour wall tiles (Regular / plain or dark colour/ glossy or mat series) sizes as directed by Engineer in Charge and as per IS 15622 over a bed/backing of 12mm thick in CM 1:3.</p>
304004474	IRONITE flooring	<p>IRONITE flooring:-</p> <p>Providing and laying IRONITE flooring 40mm/ 50mm/ 60mm thick consisting of 28mm/ 38mm/ 48mm thick base of cement concrete 1:2:4 bed laid first in panels of size</p>

		<p>1.5mx1.5m using graded hard broken granite stone aggregate of 20mm nominal size obtained from approved quarry and top layer of 12mm thick metallic concrete hardener consisting of mix 1:2 (1 part of mixture of cement and ironite (metallic) floor hardening compound : 2 parts of stone aggregate 6mm nominal size by volume in with which Ironite (metallic) hardening compound of approved quality is mixed in the ratio 4:1 (4 parts of cement: 1 part of Ironite (metallic) floor hardening compound) by weight, and laid to level, including providing asphalt/ Asbestos dividing strips to the full depth of flooring, curing, finished to required levels and slopes, etc; complete all as per specifications. With 3mm thick aluminium dividing strips for 50mm thick Using 20mm nominal size stone aggregate. Use River sand & Ultratech / Ambuja cement,</p>
304004475	ACID AND OR ALKALI RESISTANT TILES	<p>ACID AND OR ALKALI RESISTANT TILES:-</p> <p>Providing and fixing 10 mm thick ACID AND OR ALKALI RESISTANT TILES of approved make and colour on a bed of 10mm thick acid and or alkali resisting mortar 1:4 (1 appropriate cement: 4 coarse sand) and joints filled with acid & or alkali resisting cement as per IS:4457 complete as per the direction of Engineer-in- charge, 1. in flooring with Acid and Alkali resistant tiles. 2. in dado / skirting on 12 mm thick mortar 1:4 (1 appropriate cement: 4 coarse sand) with acid and alkali resistant tiles.</p>

		<p>Ceramic tiles:- Johnson make, Nitco make, Khazaria Use River sand & Ultratech / Ambuja cement, Jointing same color proprietary grout material.</p>
304004476	Granolithic flooring	<p>Granolithic flooring:-</p> <p>Providing and laying granolithic flooring with base of cement concrete 1:2:4 (cement: River sand:graded granite stone aggregate) laid first using graded hard broken granite stone aggregate of 20mm nominal size obtained from approved quarry and 12mm topping comprising of one part of cement and two parts of graded hard broken granite stone aggregate of 6mm size by proportion obtained from approved quarry including providing aluminium/glass dividing strips to the full depth of flooring, laying in alternate panels of size 1.5mx1.5m curing, polishing smooth to required levels and slopes, etc; complete all as per specifications and directions of the Engineer. Using 3mm thick ALUMINIUM DIVIDING STRIPS to the full depth of the flooring ,50mm thick with 38mm thick base ;layer Use Cement: Ultratech / Ambuja cement,</p>
304004477	P.V.C Flooring	<p>P.V.C Flooring:-</p>

		<p>Providing and laying Unbacked flexible P.V.C flooring/ skirting with P.V.C sheets tiles as specified below of approved make and shade including preparing the surface, cleaning as required and applying adhesive - as recommended by the P.V.C tile manufacturers, laying, aligning, cutting in required size and pattern, trimming of tiles, removing the adhesive stains on the surface including cleaning the surface with soap solution (2 table spoons of soap powder for 5 ltr of water) using a cloth or mop or and wiping the dried surface with soft dry cloth etc; complete all as per specifications. In PVC flooring/ skirting/ dadoing: With 1.80mm thick Unbacked flexible fully homogeneous PVC sheets in rolls of approved make and quality conforming to IS: 3462-1986. The measurement shall be as per net surface area in laid condition</p>
304004478	Only Fixing of P.V.C flooring	<p>Only Fixing of P.V.C flooring:-</p> <p>Only Fixing of labour charges for P.V.C flooring including labour charges, solution / gum etc complete</p>
304004479	Only Fixing of CARPET	<p>Only Fixing of CARPET:-</p> <p>Only Fixing of labour charges for CARPET including labour charges, solution / gum etc complete</p>

304004480	Only Tin -oxide polishing charges	<p>Only Tin -oxide polishing charges:-</p> <p>Only Tin -oxide polishing charges for marble slabs including cost conveyance of all materials etc.</p>
304004481	Granite flooring	<p>Granite flooring :-</p> <p>Providing and laying 18mm to 20mm thick mirror polished granite stone slab flooring of approved colour and shade using mirror polished granite stone slabs of size 1800mm x 1200mm / 1800mm x 2400mm and smaller sizes as per the site conditions (cut from the bigger sizes of mirror polished water jet cut stone slab stone slab of approximate size 6.5ft x 10.5ft) approved colour / texture and pattern of RANDOM GRANITE SLABS, water cut quality, machine cut to required size, laid over a bed of 30mm thick cement mortar 1:6 and cement slurry at the rate of 4.4kg / sqm for bedding and jointing including grouting the joints with pigments to match the shade of the slabs, finishing to required level,. curing, cleaning, mopping, etc; complete all as per specifications at all heights in all floors.</p> <ol style="list-style-type: none"> 1. Flooring cut to required size from bigger gang size slabs 2. 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,

304004482	Granite Staircase	<p>Granite Staircase :-</p> <p>Providing and laying 18mm to 20mm thick mirror polished granite stone slab flooring of approved colour and shade using mirror polished granite stone slabs of size 1800mm x 1200mm / 1800mm x 2400mm and smaller sizes as per the site conditions (cut from the bigger sizes of mirror polished water jet cut stone slab stone slab of approximate size 6.5ft x 10.5ft) approved colour / texture and pattern of RANDOM GRANITE SLABS, water cut quality, machine cut to required size, laid over a bed of 30mm thick cement mortar 1:6 and cement slurry at the rate of 4.4kg / sqm for bedding and jointing including grouting the joints with pigments to match the shade of the slabs, finishing to required level,. curing, cleaning, mopping, etc; complete all as per specifications at all heights in all floors.</p> <ol style="list-style-type: none"> 1. Staircase Risers/treads with approved colour granite slab 2. 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,
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304004483	Granite Skirting	<p>Granite Skirting :-</p> <p>Providing and laying 18mm to 20mm thick mirror polished granite stone slab flooring of approved colour and shade using mirror polished granite stone slabs of size 1800mm x 1200mm / 1800mm x 2400mm and smaller sizes as per the site conditions (cut from the bigger sizes of mirror polished water jet cut stone slab stone slab of approximate size 6.5ft x 10.5ft) approved colour / texture and pattern of RANDOM GRANITE SLABS, water cut quality, machine cut to required size, laid over a bed of 30mm thick cement mortar 1:6 and cement slurry at the rate of 4.4kg / sqm for bedding and jointing including grouting the joints with pigments to match the shade of the slabs, finishing to required level,. curing, cleaning, mopping, etc; complete all as per specifications at all heights in all floors.</p> <ol style="list-style-type: none"> 1. Skirting 150mm high with approved colour granite slab 3. Moulding with Smooth Finishing <p>2. 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,</p>
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304004484	Ball Bearings	<p>Ball Bearings:-</p> <p>Rolling shutters made of 63mm to 75mm wide machine rolled mild steel laths 1.25m thick of deep convex corrugations including wore, guides, pipe shaft, locking arrangements, painting with one coat of factory finish red oxide chromate primer of approved quality. Upto a clear area of 12 sqm with ball bearings Make:Tata Bearing</p>
304004485	Gear box	<p>Gear box:-</p> <p>Gear operated type (Mechanical type) with ball bearings operated by a bevel gear box and crank handle upto a clear area of 25 sqm. including cost and conveyance of all materials labour charges etc</p>
304004486	40mm dia meter rod	<p>40mm dia meter rod:-</p> <p>Supply and fixing of 40mm dia meter rod (Rolling shutter fittitgs) including cost and conveyance of all materials labour charges etc.</p>
304004487	ROLLING SHUTTER SPRINGS	<p>ROLLING SHUTTER SPRINGS:-</p> <p>Supply and fixing ofROLLING SHUTTER SPRINGS (Rolling shutter fittitgs) including cost and conveyance of all materials labour charges etc.</p>

304004488

**ROLLING SHUTTER WITH
MECHANICAL DEVICE**

**ROLLING SHUTTER WITH MECHANICAL
DEVICE:-**

Supplying and fixing standard steel rolling shutters made out of mild steel strip slats or laths of deep convex corrugations made from tested steel sheets conforming to IS-277 specifications for galvanised steel sheets 63mm to 75mm wide, 1.25mm thick, machine rolled and straightened with an effective bridge depth not less than 15mm including interlocking the laths through out the length, mounting on specially desinged pipe shaft including all accessories such as top cover of required size, side guides of size 63.5mm x 25.4mm (2.5"x1") made out of 10g thick plate and 'L' reinforced. Angle iron fixed outside brackets, suspension shafts, top rolling springs made out of strong and best tested continental spring, hood covers made out of mild steel sheets not less than 0.9mm thick, bottom rails, locking arrangements, painting with one coat of factory finish red oxide zinc chromate primer of approved make, etc; complete all as per specifications. Gear Operated type (Mechanical type) with ball bearings, operated by a bevel gear box and crank handle upto a clear area of 35 sqm. OR Gear Operated type (Mechanical type) with ball bearings, operated by a chain wheel and hand chain mounted directly on the worm shaft up to a clear area of 35 sqm.

MAKE;-DWAKA/VENKATESWARA

OR

EQUIVALENT

304004489

ROLLING SHUTTER WITH
PUSH AND PULL

ROLLING SHUTTER WITH PUSH AND PULL:-

Supplying and fixing standard steel rolling shutters made out of mild steel strip slats or laths of deep convex corrugations made from tested steel sheets conforming to IS-277 specifications for galvanised steel sheets 63mm to 75mm wide, 1.25mm thick, machine rolled and straightened with an effective bridge depth not less than 15mm including interlocking the laths through out the length, mounting on specially desinged pipe shaft including all accessories such as top cover of required size, side guides of size 63.5mm x 25.4mm (2.5"x1") made out of 10g thick plate and 'L' reinforced. Angle iron fixed outside brackets, suspension shafts, top rolling springs made out of strong and best tested continental spring, hood covers made out of mild steel sheets not less than 0.9mm thick, bottom rails, locking arrangements, painting with one coat of factory finish red oxide zinc chromate primer of approved make, etc; complete all as per specifications. Self Coiling type (Pull and push type or Manual type Upto a clear area of 8 sqm without ball bearings. OR Self Coiling type (Pull and push type or Manual type Upto a clear area of 12 sqm with ball bearings. MAKE;-DWAKA/VENKATESWARA OR EQUIVALENT

304004490	Steel Rolling Shutter Partly Grilled	<p>Steel Rolling Shutter Partly Grilled:-</p> <p>Supplying and fixing Standard steel Rolling shutter partly grilled for a height of 450mm in between and partly with laths made out of 8mm dia round bars connected with 20mm x 6mm thick flat bars and laths made out of mild steel strip slats or laths of deep convex corrugations 63mm to 75mm wide, 1.25mm thick, machined rolled all made out of mild steel of approved quality mounted on specially designed pipe shaft including all accessories such as top cover of required size; side guides of size 63.5mm x 25.4mm (2.5"x1") made out of 10g thick plate and 'L' reinforced angle iron fixed outside brackets, suspension shafts, top rolling springs made out of strong and best tested continental spring, hood covers made out of mild steel sheets not less than 0.9mm thick, locking arrangements, painting with one coat of factory finish red oxide zinc chromate primer of approved make, etc; complete all as per specifications. Note: The grill for 450mm high shall be provided at a height equivalent to the height at which the radiator of the diesel engine is facing towards the grill side.</p> <p>Note:- Manually operated pull and push type Upto a clear area of 8 sqm without ball bearings. OR Manually operated pull and push type Upto a clear area of 12 sqm with ball bearings MAKE;- DWAKA/VENKATESWARA OR EQUIVALENT</p>
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304004491	Repairing of rolling shutters	<p>Repairing of rolling shutters:-</p> <p>Servicing rolling shutter of all sizes by removing hood, rewinding of the springs, cleaning all parts thoroughly, applying grease and making the shutter to move freely including cost of grease, necessary scaffolding, labour charges, etc; complete as directed by Engineer-in-charge.</p>
304004492	Repairing of steel windows	<p>Repairing of steel windows:-</p> <p>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</p>
304004493	steel window handles	<p>Steel Window Handles :-</p> <p>Supply and fixing of steel window handles including cost and conveyance of all materials labour charges etc.</p>
304004494	SKILLED LABOUR	<p>SKILLED LABOUR:-</p> <p>Providing SKILLED manpower with necessary working tools and equipments</p>
304004495	SKILLED LABOUR:- ITEM CODE	<p>SKILLED LABOUR:-</p> <p>Providing SKILLED manpower with necessary working tools and equipments</p>
304004496	MASON:- ITEM CODE	<p>MASON:-</p> <p>providing MASON manpower with necessary working tools and equipments</p>

304004497	STONE CUTTER/CHIPPERS	STONE CUTTER/CHIPPERS:- Providing STONE CUTTER/CHIPPERS with necessary working tools & equipments
304004498	CARPENTER	CARPENTER :- Providing CARPENTER with necessary working tools and equipments.
304004499	PLUMBER	PLUMBER:- providing PLUMBER with necessary working tools and equipments.
304004500	Welder	Welder:- providing welder including welding rods, gas, etc complete
304004501	Man hole	Man hole:- Construction of Inspection chamber of internal clear dimensions as mentioned below in 230mm thick brick masonry using first class country brick walls in CM 1:3 over a bed of 150mm thick 1:2:4(20mm metal) cement concrete, plastering with CM 1:2, 12mm thick on internal, external, top surfaces and internal and exposed top surfaces finished smooth with a floating coat of neat

		<p>cement, Plain cement concrete 1:2:4 for benching, channeling, providing and fixing light single seal CI frame and cover as mentioned below conforming to IS 1726, CC 1:2:4 for fixing the CI frame and cover, painted with 3-coats of anticorrosive black bitumastic paint, encasing sewers connection to chamber in CC 1:2:4 etc. Complete all as specified and directed. (Ref. Fig.No.CED:PH8.6 of PH Engg. Specification) Note: CC 1:2:4 in the above Item is by using 20mm graded granite aggregate obtained from approved quarry. 600X600X600mm with frame and cover of size 610X450mm weighing not less than 38Kg. Use River sand & Ultratech / Ambuja cement,</p>
304004502	FLUSH TANK-Polymer flushing cistern with fittings	<p>FLUSH TANK-Polymer flushing cistern with fittings:- 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</p>
304004503	CERAMICstandard FLUSH TANK	<p>CERAMICstandard FLUSH TANK:- Supply and fixing of CERAMICstandard FLUSH TANK including cost and conveyance of all materials labour charges etc Make:Hinduware/cera/parry ware</p>
304004504	URINAL SPRIDLES	<p>URINAL SPRIDLES:-</p>

		Supply and fixing of URINAL SPRIDLES including labour charges and minor materials etc complete Make:cera/parry ware/hinduware
304004505	E.W.C	E.W.C:- Providing and Fixing European Water Closet Suite (Double Syphonic Type) Comprising of: A) Best Indian made white glazed vitreous Chinaware european water closet, Double syphonic pattern of approved make with trap as mentioned below conforming IS:2556-Part-II fixed to floor with necessary teak wood plugs, CP brass screws No. 8x37 etc. B) White glazed vitreous chinaware lowlevel flushing cistern 10 ltrs capacity suitable for double syphonic water closet bearing ISI mark with all internal fittings, mounted suitably over closet with necessary fixtures. C) 15mm heavy quality flexible PVC inlet connection with CP brass hexagonal check nuts with washer at both ends. D) Black plastic sheet and cover of approved make with CP pillar hinges conforming to IS:2548 bearing ISI mark suitable for double syphonic water closet. E) 15mm n.b. CP brass angle-cock/stop cock conforming to IS:781 of approved make with a minimum weight of 400gms on the inlet to the cistern. Complete all as specified above with approved fittings : With 'S' trap OR With 'P' trap Make: Parry ware/hindu ware/cera
304004506	CI cover	CI frames and cover conforming to IS: 1726 and bearing ISI mark :-

		Supply and fixing of man hole CI cover at standard sizes including labour charges etc complete Size-600X600MM (72kgs)
304004507	Sintex tank covers	Sintex tank covers:- Supply and fixing of Sintex tank covers all capacities including all materials etc complete
304004508	I.W.C	I.W.C:- Providing and Fixing Indian Style Water Closet Suite (Orissa pan) Comprising of : A) Indian water closet white glazed vitreous chinaware Orissapan of approved make of size 580X440mm with trap as mentioned below conforming to IS:2556 part-III bearing ISI mark fixed to floor including cutting and making good the walls and floors etc. B) 10 ltrs capacity approved quality and make polymer high level flushing cistern with all internal fittings conforming to IS fixed to wall with necessary brackets, screws and plugs. C) 32mm n.b. PVC flush pipe of heavy quality of required length with necessary check nuts from the cistern to the WC inlet and making necessary connections, concealed in the wall, etc. D) 15mm size heavy quality flexible PVC inlet pipe connection with CP brass check nuts with washers at both ends E) 15mm n.b. CP brass angle-cock/stop cock conforming to IS:781 of approved make with a minimum weight of 400gms on the inlet to the cistern.

		F) 15mm n.b. medium quality GI overflow pipe with specials from the cistern to 15cms above the floor, concealed in wall terminated with CP brass mosquito proof jali. Complete all as specified above with approved fittings. (Refer fig. No. CED:PH:1.2 of specifications for PH Engg works). With 'S' trap and With 'P' trap Make: Parry ware/hindu ware/cera
304004509	Bibcock cum Health Faucet	Bibcock cum Health Faucet:- 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
304004510	OVAL Under Counter Wash Basin	OVAL Under Counter Wash Basin:- Supply, fitting and fixing glazed vitreous china OVAL Under Counter Wash Basin of PREMIUM quality of size 550 X 445 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 jaquar make) , including all necessary fittings etc complete Make:parry ware/cera/hinduware

304004511	Urinal	<p>Urinal:- Providing and Fixing in position large urinal comprising of :</p> <p>A) White glazed vitreous chinaware of approved make large urinal of size 600X400X375mm with necessary fixtures conforming to IS : 2556 Part-VI bearing ISI mark.</p> <p>B) 15mm n.b.CP brass concealed stop cock of approved make conforming to IS:781 on flushing line one for each urinal in the range.</p> <p>C) CP brass distribution pipe and spreader of best approved quality to the urinal with necessary CP brass specials, clamps etc., one for each urinal in a range.</p> <p>D) One number 32mm CP brass waste coupling-one for each urinal</p> <p>E) One number 32mm PVC waste pipe and specials from each urinal to floor trap / half round channel. Complete all as specified with approved fittings etc all as per directions of the Engineer(portions excluded): Make:Parry ware/hindu ware//cera</p>
304004512	Half-round chanel	<p>Half-round chanel:- 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</p>

304004513	550mmx400mm Mirror	<p>550mmx400mm Mirror:- Providing and Fixing in position best quality approved make Mirror of size 550X400mm mounted on 6mm thick plain E-board backing with 4no.s of CP brass cap screws and washers fixed to walls with necessary plugs etc. all specified and directed.</p>
304004514	1500mm X 450mm Mirror	<p>1500mm X 450mm Mirror:- Providing and Fixing in position best quality approved make Mirror of size 1500X450mm mounted on 6mm thick plain E-board backing with 4no.s of CP brass cap screws and washers fixed to walls with necessary plugs etc. all specified and directed.</p>
304004515	800mm X 600mm Mirror	<p>800mm X 600mm Mirror:- Providing and Fixing in position best quality approved make Mirror of size 800X600mm mounted on 6mm thick plain E-board backing with 4no.s of CP brass cap screws and washers fixed to walls with necessary plugs etc. all specified and directed.</p>
304004516	Soap Tray	<p>Soap Tray:- Providing and Fixing in position vitreous chinaware 150X150mm recess type soap tray of approved make with necessary CP screws and washers fixed into the wall including cutting the wall, fixing and making good the</p>

		surface etc, Complete all as specified and directed. Make:hinduware/parry ware/cera
304004517	WASH BASIN	<p>WASH BASIN :- Providing and Fixing Indian make wash hand basin (with CP bottle trap) Comprising of : A) Best Indian make white glazed vitreous chinaware wash hand basin of approved make of size mentioned below conforming to IS:2556 Part-IV with single tap hole and bearing ISI mark supported on a pair of painted CI brackets conforming to IS:775 B) One 15mm CP brass pillar cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gms. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gms on the inlet to the basin. E) One 32mm heavy quality CP brass waste coupling with rubber plug and CP chain F) One 32mm heavy quality CP brass bottle trap with extension piece and wall flange. G) One 32mm medium quality GI waste pipe with specials from extension piece of the bottle trap to the floor trap, length not exceeding 1 mtr concealed in wall.</p>

		H) One no. 40mm GI bend and 40mm dia 250mm long GI pipe connection waste pipe to floor trap. All as per specifications and as directed with approved fittings. Size 550 X 400 mm MAKE :HINDUWARE/parry ware/cera
304004518	URINAL BRACKETS	URINAL BRACKETS:- Supply and fixing of URINAL BRACKETS including labour charges etc complete
304004519	Wash Basin Brackets	Wash Basin Brackets:- Supply and fixing of wash basin brackets including remove and refixing of wash basin labour charges transportation etc complete
304004520	Soak-pit	Soak-pit:- 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
304004521	SEPTIC TANK	SEPTIC TANK:- Supplying and fixing in position best quality precast RCC septic tank(size -900mm dia long 2.5m)both side closing,internal partitions, opening with manholewith covers, of approved make (IHP or equivalent) with all necessary excavation, fittings and accessories, complete, MAKE-HINDUSTAN HUME PIPE

304004522	450MM RCC PIPE	<p>450MM RCC PIPE:- 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</p>
304004523	CUTTING &FILLING OF THE ROADS	<p>CUTTING &FILLING OF THE ROADS:- Cutting of Roads by 600 mm wide and required depth for laying pipe line and filling the same with 150mmdepthPCC(1:5:10)& 150mmDepthPCC (1:2:4) including cost of all materials labour charges ,curing etc complete</p>
304004524	110 mm Dia P.V.C PIPE	<p>110 mm Dia P.V.C PIPE:- Providing, laying and jointing unplasticized 110 Dia PVC pipes take pipes 2.5mm thick 4 Kg/cm² ISI marked and specials of working pressure as mentioned below conforming to IS:4985 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. including cost of necessary jointing materials, labour for excavation of trenches, testing, refilling etc. complete all as per specifications.</p>
304004525	NAHANI TRAP	<p>NAHANI TRAP:-</p>

		<p>Providing and fixing 100 x 75mm HSI floor/Nachani trap with CP hinged heavy brass grating to be fixed in PCC M 15C and made water tight.</p> <p>Make:Nicco</p>
304004526	GULLY TRAP	<p>GULLY TRAP:- Providing and Fixing in position best quality salt glazed stoneware gully trap of size 100mm square with 100mm outlet; conforming to IS:651 embedded in plain cement concrete 1:4:8 (20mm Metal), providing and fixing 100mm square CI grating on top of the trap, all the above encased in a chamber of 300X300mm built with 115mm thick brick masonry using first class country bricks in CM 1:3, over a bed of CC 1:4:8 using 40mm size metal 100mm thick, plastering with CM 1:3, 13mm thick inside, outside, exposed top surfaces and Internal and top exposed surfaces finished smooth with a floating coat of neat cement, Providing and fixing CI frame and cover of size 300X300mm weighing not less than 7Kgs fixing the frame in PCC 1:2:4 using 20mm stone metal including painting the frame and cover with 3-coats of anticorrosive black bitumastic painting etc. Complete all as specified and directed. complete as per direction of the Engineer.</p>
304004527	25MM THICK MASTIC PAD	<p>25MM THICK MASTIC PAD:- 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.</p>

304004528	ONLY FIXING OF URINAL	<p>ONLY FIXING OF URINAL:- Supply and Fixing of Urinal, including labour charges ,small materials etc complete</p>
304004529	URINAL WASTE COUPLING	<p>URINAL WASTE COUPLING:- SUPPLY AND FIXING OF 32mm CP brass waste coupling for Urinal/Lab sinks INCLUDING LABOUR CHARGES ETC COMPLETE</p>
304004530	WASH BASIN WASTE COUPLING	<p>WASH BASIN WASTE COUPLING:- SUPPLY AND FIXING OF 32mm brass waste coupling with rubber plug and CP chain INCLUDING LABOUR CHARGES ETC COMPLETE</p>
304004531	WASH BASIN WITH OUT FITTINGS	<p>WASH BASIN WITH OUT FITTINGS:- SUPPLY AND FIXING OF Wash hand basin (550x400mm) WITH OUT FITTINGS HINDUWARE MAKE INCLUDING TRANSPORTATION LABOUR CHARGES ETC COMPLETE Make :Hindu ware/parry ware/Cera</p>
304004532	FLUSH TANK HANDLE AT ANY MODEL	<p>FLUSH TANK HANDLE AT ANY MODEL:- SUPPLY AND FIXING OF FLUSH TANK HANDLE AT ANY MO110DEL INCLUDING LABOUR AND MINOR MATERIALS ETC COMPLETE</p>

304004533	TOILET PAPER ROLE	<p>TOILET PAPER ROLE:- Providing and Fixing in position vitreous chinaware 150X150mm recess type toilet paper roll holder of approved make with necessary CP screws and washers fixed to wall including cutting wall, fixing and making good the surface etc, Complete all as specified and directed</p>
304004534	LABAROTARY SINK	<p>LABAROTARY SINK:- Providing and Fixing in positon best Indian make laboratory sink comprising of : A) Best Indian make white glazed vitreous chinaware laboratory sink of approved make of size mentioned below coforming to IS:2556(Part-V) supported on a pair of CI painted brackets conforming to IS:775. B) One number 32mm dia CP brass waste coupling C) One number suitable 32mm PVC waste pipe bent to shape, to discharge into floor trap length not exceeding 1mtr to discharge in to the floor trap through GI elbow and 40mm FI medium class pipe 250mm long. Complete all as specified with approved fittings. Size 500X350X150mm</p>
304004535	CLEANING OF SEWAGE LINES	<p>CLEANING OF SEWAGE LINES:- 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.</p>
304004536	BLOCKAGE OF EWC/ IWC	<p>BLOCKAGE OF EWC/ IWC:- Blockage of EWC/IWC including P trap or S trap removing debries to ensure free flow of effulent upto gully</p>

		trap including cost and conveyance of all materials labour charges etc.
304004537	100MM DIA HCI SOIL PIPE	<p>100MM DIA HCI SOIL PIPE:- Providing and fixing in position cast Iron sand cast traps of self cleansing design with outlet size and minimum approximate weight as follows conforming to IS:1729 including connection with CI soil/waste, necessary 150mm thick CC 1:2:4 for embedding the trap, fixing CP brass hinged grating on top, inner annular surfaces between floor finish and top of trap shall be finished smooth with neat cement etc. complete as specified and directed. Floor trap with 100mm outlet (min.wt.7.5kgs) all complete as per specification and direction of engineer MAKE:INDO/NICCO/BIF</p>
304004538	75MMDIA HCI SOIL PIPE	<p>75MMDIA HCI SOIL PIPE:- Providing and fixing in position cast Iron sand cast traps of self cleansing design with outlet size and minimum approximate weight as follows conforming to IS:1729 including connection with CI soil/waste, necessary 150mm thick CC 1:2:4 for embedding the trap, fixing CP brass hinged grating on top, inner annular surfaces between floor finish and top of trap shall be finished smooth with neat cement etc. complete as specified and directed. Floor trap with 75mm outlet (min.wt.4.8kgs) all complete as per specification and direction of engineer MAKE:INDO/NICCO/BIF</p>

304004539	STONE WARE SALT GLAZED PIPE(150MMDIA)	STONE WARE SALT GLAZED PIPE(150MMDIA):- Providing and Laying best quality salt glazed stoneware pipe of grade A and specials conforming to IS:651 in trenches for all depths to correct grade, level and alignment including jointing with hemp yarn and cement mortar 1:1 including testing, making good the leakages all as specified and directed., necessary excavation,&back filling complecte as per specifications Mmake: indo/kandelwal/pallavi
304004540	STONE WARE SALT GLAZED PIPE(100MMDIA)	STONE WARE SALT GLAZED PIPE(100MMDIA):- Providing and Laying best quality salt glazed stoneware pipe of grade A and specials conforming to IS:651 in trenches for all depths to correct grade, level and alignment including jointing with hemp yarn and cement mortar 1:1 including testing, making good the leakages all as specified and directed., necessary excavation,&back filling complecte as per specifications Mmake: indo/kandelwal/pallavi
304004541	STONE WARE SALT GLAZED PIPE(230MMDIA)	STONE WARE SALT GLAZED PIPE(230MMDIA):- Providing and Laying best quality salt glazed stoneware pipe of grade A and specials conforming to IS:651 in trenches for all depths to correct grade, level and alignment including jointing with hemp yarn and cement mortar 1:1 including testing, making good the leakages all as specified and directed., necessary excavation,&back filling complecte as per specifications Mmake: indo/kandelwal/pallavi

304004542	PVC SWR PIPE (75mm dia)	<p>PVC SWR PIPE (75mm dia):- Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type "B" of IS:13592 "Supreme" or equivalent approved make as per manufacturers specification including cutting the pipes to required lengths, necessary excavation, chasing and restoring to original conditions, testing etc. complete. (Specials at junction of lateral pipe and and vertical stack must have access door for inspection) 75mm dia (Min.wall thickness3.2mm)</p>
304004543	PVC SWR PIPE (110mm dia)	<p>PVC SWR PIPE (110mm dia):- Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type "B" of IS:13592 "Supreme" or equivalent approved make as per manufacturers specification including cutting the pipes to required lengths, necessary excavation, chasing and restoring to original conditions, testing etc. complete. (Specials at junction of lateral pipe and and vertical stack must have access door for inspection) 110mm dia (Min.wall thickness3.2mm)</p>
304004544	SINTEX TANK	<p>SINTEX TANK:- 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</p>

		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
304004545	PEDESTAL TYPE W.C FOR PHYSICAL HADICAPE	<p>PEDESTAL TYPE W.C FOR PHYSICAL HADICAPE:-</p> <p>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 syphonic 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) 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</p>
304004546	WALL MIXER WITH Telephone Shower	<p>WALL MIXER WITH Telephone Shower:-</p> <p>Supply and fixing of Wall Mixer with Telephone Shower ArrangeMent with Connecting Legs, Wall Flanges & Telephone Shower Crutch r including labou charges, removing of old wall mixer etc complete Make:jaguar</p>

304004547	WALL MIXER WITH Non-Telephonic Shower	WALL MIXER WITH Non-Telephonic Shower:- Supply and fixing of Wall Mixer Non-Telephonic Shower ArrangeMent with Connecting Legs & Wall Flanges including labour charges, removing of old wall mixer etc complete Make:jaguar
304004548	POWDER COATED SHOWERS	POWDER COATED SHOWERS:- Supply and fixing of power coate showers including labour charges, removing of old shwer et complete Make:Jaguar
304004549	CP COATING SHOWERS	CP COATING SHOWERS:- Supply and fixing of 15mm swivel tupe shower with CP shower arm including Plumber, labiur charges ,removing old showers etc Make:Jaguar
304004550	WALL MOUNED EWC WITH FLUSH TANK	WALL MOUNED EWC WITH FLUSH TANK:- Supply and fixing of Popular MODEL WALL MOUNED EWC WITH FLUSH TANK (hind ware /parry ware/ceracompany) including labour charges, transportation , etcMAKE HINDUWARE
304004551	TAPS GADDA(SPRINDLE)	TAPS GADDA(SPRINDLE) :- Supply and fixing of pillar tap gadda/bib tap gadda/ stopcock gadda heavy duty including labiur charges
304004552	SAND FILLING	SAND FILLING:- Supply and laying of sand filling including labour charges transportation etc complete

304004553	ACARLYIC SHEET 6MM	ACARLYIC SHEET:- supply and fixing of 3mm Thick Acarlyic SheeT including nut& bolts labour charges etc complete
304004554	ACARLYIC SHEET 3MM	ACARLYIC SHEET:- supply and fixing of 6mm Thick Acarlyic SheeT including nut& bolts labour charges etc complete
304004555	EWC SHEET COVER	EWC SHEET COVER:- Supply and fixing of EWC Sheet cover Hindu ware make including cost and conveyance of labour charges transportation etc complete
304004556	BRUSH BOND	BRUSH BOND:- Supply & laying of brush bond forsorac make including two coats of brush bond labour charges scaffolding etc
304004557	MAJOR OR MINOR REPAIRING OF KIRBY STANDARD SLIDIN	MAJOR OR MINOR REPAIRING OF KIRBY STANDARD SLIDIN:- 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.
304004558	Pillar Cock Long Neck with Aerator (JAGUAR CONTINENTA	Pillar Cock Long Neck with Aerator (JAGUAR CONTINENTA:- Supply & Fixing of push type Pillar Cock Long Neck with Aerator (Jaguar continental series) of standard design and of approved make confirming to ISI.

304004559	URINAL PUSH TYPE COCK (JAGUAR CONTINENTA)	<p>URINAL PUSH TYPE COCK (JAGUAR CONTINENTA):- Supply & Fixing of urinal push type cock (Jaguar continental series) of standard design and of approved make confirming to ISI.</p>
304004560	CERAMIC EWC WITH CERAMIC TANK	<p>CERAMIC EWC WITH CERAMIC TANK:- Providing and fixing white glazed vitreous china ceramic water closet (EWC-Parry ware make)with concealed 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</p>
304004561	PREPRINT GALVANIZED 0.8MM SHEET	<p>PREPRINT GALVANIZED 0.8MM SHEET:- Supply and fixing of G.I sheet roofing fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I implet washers filled with white lead and including a coat of approved steel primer and two coats of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto a pitch of 60 degrees) excluding the cost of purlins, rafters and trusses. with zinc coating not less than 6.241 kg/sqm. including over laps,</p>

		etc payment will be released as per sqm bases- 0.80 mm thick
304004562	PREPRINT GALVANIZED 0.5MM SHEET	<p>PREPRINT GALVANIZED 0.5MM SHEET:- Supply and fixing of G.I sheet roofing fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I implet washers filled with white lead and including a coat of approved steel primer and two coats of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto a pitch of 60 degrees) excluding the cost of purlins, rafters and trusses. with zinc coating not less than 6.241 kg/sqm. including over laps, etc payment will be released as per sqm bases- 0.50 mm thick</p>
304004563	A.C SHEET ROOFING	<p>A.C SHEET ROOFING:- 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</p>
304004564	GLASS PUTTY	<p>GLASS PUTTY:- Supply and fixing of glass putty including labour charges transportation etc complete</p>

304004565	30MM THICK PAVING TILES	<p>30MM THICK PAVING TILES:- 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 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</p>
304004566	5MM THICK TOUGHENED GLASS	<p>5MM THICK TOUGHENED GLASS:- 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</p>
304004567	5.00MM THICK PLAIN GLASS	<p>5.00MM THICK PLAIN GLASS:- Supply and fixing of 5.5 mm thick plain glass(Atual/modi/SAINT GOBIN)) including putty, clips, rubber gasket cost and conveyance of all materials labour charges etc</p>
304004568	6.0MM THICK PLAIN GLASS	<p>6.0MM THICK PLAIN GLASS:- Supply and fixing of 6.00 mm thick plain glass(Atual/modi/SAINT GOBIN)) including puttycost and conveyance of all materials labour charges etc</p>

304004569	5MM thick COOL /COLOUR GLASS	5MM thick COOL /COLOUR GLASS:- Supply and fixing of 5mm thick cool glass including cost and conveyance of all materials labour charges,putty, etc.MAKE-MODI/ATUL/saint gobin
304004570	5MM thick PINNED GLASS	5MM thick PINNED GLASS:- Supply and fixing of 5mm thick pinned glass including cost and conveyance of all materials labour charges,putty, etc.MAKE-MODI/ATUL/saint gobin
304004571	CONTINUOUS HINGES	CONTINUOUS HINGES:- 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
304004572	ALUMINUM DOOR 6LEVER LOCK	ALUMINUM DOOR 6LEVER LOCK GODREJ/DOOR SET MAKE:- Supply and fixing of aluminum 6 levers mortice lock godrej/DOOR SET make including all materials etc
304004573	DOUBLE GRIP DOOR STOPPER	DOUBLE GRIP DOOR STOPPER:- Supply and fixing of double grip door stopper including all materials etc Make:Godrej/dor set
304004574	CUP BOARDS POWER COATED MAGNETS	CUP BOARDS POWER COATED MAGNETS:- Supply and fixing of cup boards power coated magnets including hard ware fittings etc complete. Make:Godrej

304004575	RUBBERBUPPERS	RUBBERBUPPERS:- Supply and fixing of Heavy duty rubber buffers including cost and conveyance of all materials labour charges etc. Make:Godrej
304004576	DOOR CLOSERS FLUSH TYPE	DOOR CLOSERS FLUSH TYPE:- Supplying and fixing hydraulic door closer conforming to I.S. 3564 Ryobi or equivalent make of size specified below, inclusive of making adjustments and sorting it for smooth operation, etc; complete all as per specifications and conveyance of all types of materils labour charges etc Size (To carry a door width upto 1000mm)
304004577	POWDER COATED ALUMINIUM WINDOW HANDLES	POWDER COATED ALUMINIUM WINDOW HANDLES:- Supply and fixing of power coated aluminium window handles including cost and conveyance of all materials labour charges etc
304004578	PUSH AND PULL TYPE DOOR HANDLES	PUSH AND PULL TYPE DOOR HANDLES:- Supply and fixing of Heavy duty push and pull type door handles including cost and conveyance of all materials labour charges etc. Make:godrej
304004579	ALUMINIUM BEADING	ALUMINIUM BEADING:- Supply and fixing of aluminium beading of any size including cost and conveyance of all materials labour charges etc.Make:Jindal

304004580	MANUAL SLIDING DOOR CHANEL	<p>MANUAL SLIDING DOOR CHANEL:- Supply and fixing of Heavy duty manual sliding door fitting set including cost and conveyance of all materials labour charges etc. Make: Godrej</p>
304004581	ALU DOOR PIVOT	<p>ALU DOOR PIVOT:- Supply and fixing of Heavy duty Alu Door Pivot any size including cost and conveyance of all materials labour charges etc.</p>
304004582	DOOR CLOSERS EXPOSED TYPE	<p>DOOR CLOSERS EXPOSED TYPE:- 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 materials labour charges etc</p>
304004583	Gypsum India board false ceiling	<p>Gypsum India board false ceiling:- 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</p>

		<p>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 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.</p>
304004584	PARTICLE BOARD FALSE CEILING	<p>PARTICLE BOARD FALSE CEILING:- Providing and fixing at all heights/ in all floors with all leads False ceiling with false ceiling materials as specified, cut to shape and size and in the required grid pattern supported on anodised aluminium frame work of approved make consisting of Bulbed Tee of section (23.5x23.5x1.5)mm @ 0.212kg/m for wall angles, cross tees and Bulbed Tee of section (36.5x23.5x1.5)mm @ 0.267kg/m for main tees, including providing and fixing M.S tab hangers, 6mm dia M.S standard suspenders and providing necessary openings and additional framework required for light and A/c fittings and upturn as pelmet</p>

attends along walls for return air in the false ceiling as required and painting the steel work with one coat of red oxide zinc chromate primer, etc; complete all as per specifications. (i) Wooden blocks such as wooden gutty or rawl plugs should not be placed in concrete as they will shrink and fall down in due course when loads are applied. Hence anchor fasteners of 8 mm dia to take SWL of not less than 200kg or MS box as detailed below shall be used (ii) Mild steel hook of 6mm dia and approx 300mm long, welded to MS Box made out of 18 G MS Sheet 80mm dia and 50 mm high shall be provided in the slabs before concreting of floor/roof slabs. The MS hook arrangement shall be placed in the predetermined positions as per the false ceiling details. (iii) The MS box and hooks shall be applied with 1 coat of red oxide zinc chromate primer before placing them in position. The projected length of the rods beyond the MS Box shall be suitably tied with the slab reinforcement. (iv) The location of Tab hangers shall follow the false ceiling layout. (v) The Aluminium anodisation for the aluminium extruded sections should be 10 micron thick. NOTE: The rates indicated for the items nos M005A to M005K are excluding the cost of Aluminium gridwork which is to be paid and identified separately under M005O and MS box / hooks / suspenders under M005P. Providing and fixing particle board ceiling tiles 12mm thick of size (600x600)mm, With ceiling tiles design 'C' fully perforated.

304004585	ONLY FIXING POWEWR COATED FALSE CEILING	<p>ONLY FIXING POWEWR COATED FALSE CEILING:- only fixing of power coated false ceiling including levelling and levelling rods and all minor materials transportation labou charges etc complete</p>
304004586	ARMSTRONG MICRO LOOK FALSE CEILING TILES	<p>ARMSTRONG MICRO LOOK FALSE CEILING TILES:- Providing and fixing of 'Classic lite' Microlook Edge/Prima Fine Fissured (Armstrong) Mineral Ceiling Tile in true horizontal level, false ceiling grid manufactured by M/s. Armstrong World Industries or equivalent using hot dipped galvanized steel sections, exposed surface chemically cleaned capping prefinished in baked polyster paint, Armstrong main tee size 30 x 15mm every 1200mm c/c maximum and rotary stitched 1200mm, Armstrong cross tee at every 600mm c/c and 600mm Armstrong cross tee at every 1200mm c/c maximum and Armstrong wall angle around the wall to form grid size of 600x600mm and suspending the grid using 2mm pre straightened GI rod/wire and 8mm dia anchor fasteners at every 1200mm intervals at the main tee and laying 'Classic lite' Microlook Edge/Prima Fine Fissured (Armstrong) Mineral Fibre Ceiling Tiles of size 600mm x 600mm x 15mm over the formed grid, including providing necessary openings and additional framework required for light fittings, etc., manufactured by M/s Armstrong World Industries, having fire rating of 60 minutes as per BS 476/23 of 1987, light reflection of</p>

		<p>>85%, Noise Reduction Co-efficient (NRC) of 0.50, Sound attenuation of 32db, k-0.052 - 0.067 W/m K, weight of 4.0kg/sqm and Humidity Resistance of 95%. The work shall be executed as per the manufacturers specifications and direction of Engineer-in -charge.</p>
<p>304004587</p>	<p>ARMSTRONG BOARD FALSE CEILING TILES</p>	<p>ARMSTRONG BOARD FALSE CEILING TILES:- 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 with other necessary supports for fixing stainless steel letters on ACP CLADDING.(co-ordinate with</p>

		<p>signage contractor for location and size of GI plate)MAKE-AUCO BOARD/AL[POLIC</p>
<p>304004588</p>	<p>ALUMINUM COMPOSITE CLADDING</p>	<p>ALUMINUM COMPOSITE CLADDING:- 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</p>

304004589	HEAVY DUTY SS RAILING SYSTEM WITH CUBE MODEL	<p>HEAVY DUTY SS RAILING SYSTEM WITH CUBE MODEL:- 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 specificationRailings</p>
304004590	HEAVY DUTY SS RAILING SYSTEM WITH GUARD	<p>HEAVY DUTY SS RAILING SYSTEM WITH GUARD:- Heavy Duty SS railing system Providing and fixing modular Heavy duty Stainless steel (gradeSS 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 the manufacturer. Basis of Desig VIVA / VRAIL specificationRailings Model Guard Rail</p>
304004591	HORIZONTAL VENATION BLINDS	<p>HORIZONTAL VENATION BLINDS:- supply and fixing of venation blinds (horizontal) of approved colour make including labour charges cost &conveyance of all materials etc. MAKE;VISTA/MAK</p>
304004592	VERTICAL VENATION BLINDS	<p>VERTICAL VENATION BLINDS:- Supplying and Fixing of vertical Venetian blinds 100 mm wide Vista/MAK make with all accessories including cost</p>

		and conveyance of all materials and fixing charges etc., complete for finished item of work.at all heights.
304004593	ROLLER VENATION BLINDS	<p>ROLLER VENATION BLINDS:- 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</p>
304004594	FLUSH DOORS	<p>FLUSH DOORS:- Providing and fixing factory made flush door shutters 30 mm thick made of the specified board including IInd class teak wood lipping of 25 mm wide & 12 mm thick size with necessary screws & black enamelled M.S. butt hinges, complete as per direction of the Engineer-in-charge, made of: 30 mm thick, prelaminated flat pressed 3-layer particle board conforming to IS: 12823 exterior grade (Grade-I type II) (Ecoboard/Action tesa/Associate or equivalent make etc having one side decorative lamination of approved shade and other side balancing lamination</p>

304004595	COMMERCIAL FINISH DOOR	<p>COMMERCIAL FINISH DOOR:-</p> <p>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 7Levers lockat 3keys at each door one no,each shutter one no Everite door closer - 1no</p>
304004596	BOTH FACE TEAK FINNESH FLUSH DOOR	<p>BOTH FACE TEAK FINNESH FLUSH DOOR:-</p> <p>Supplying and fixing solid core flush door shutters of KIUTTY/GREEN PLAY or 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., includingstandard hard ware fittings: a). 35mm thick both face teak finish</p>
304004597	KITPLY DOOR	<p>KITPLY DOOR:-</p> <p>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., includingstandard hard ware fittings, all as per drawings and directions of the engineer</p>

304004598	SOLID CORE FLUSH DOOR LAMINATED ON BOTH	<p>SOLID CORE FLUSH DOOR LAMINATED ON BOTH:- Supplying and fixing solid hard core DECORATIVE type (BD) interior grade commercial BLOCK BOARD FLUSH DOOR SHUTTERS of approved make conforming to IS-2202 (part-I) - 1991 with teak wood internal lipping on all sides and solid teak wood inserts for mounting locks, having well matched commercial ply veneering on one face and teak ply veneering on other face with cross bands and face veneering including cost of labour for fixing builder's hardware and locking arrangements complete all as per specifications, but excluding cost of builde's hardware and locking arrangements issued with screws by the department free of cost. Single shutter 35 mm thick NOTE: Samples as stipulated in IS code should be furnished for tests free of cost by the contractor as the tested samples are destroyed during testing.</p>
304004599	WPC DOOR	<p>WPC DOOR :- Supplying and fixing of WPC door shutter of Rajashree or equivalent make with specified thickness (Wood polymer/Plastic composites) are wood fiber, flour, thermo plastics(includes PE/PP/PVC etc) mixed with mineral, filters, chemical additive and colour pigments. Shutter with desired screw holding capacity one side. The rate including cost of labour for fixing builder's hardware and locking arrangement etc; complete all as per specifications but excluding cost of builder's</p>

		hardware and locking arrangement issued with screws by the department free of cost
304004600	DECORATIVE PVC DOORS	<p>DECORATIVE PVC DOORS:- 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 WARER-GODREJ/DOOR SET</p>
304004601	GODREJ NAVATAL 7LEVERS LOCK	<p>GODREJ NAVATAL 7LEVERS LOCK:- Supply of Godrej Navatal 7 levers with 3 keys including cost and conveyance, etc.</p>

304004602	GODREJ LOCKS 5 LEVERS	GODREJ LOCKS 5 LEVERS:- Supply of Godrej Navatal 5 levers with 3 keys including cost and conveyance, etc.
304004603	DECOLUM SHEET FOR ISI MARK	DECOLUM SHEET FOR ISI MARK:- Supply and fixing of Green lam decolum sheet 1mm thick ISI Mark including all materials ,fevical labour charges etc complete.
304004604	19MM THICK KIT PLAY WATER PROOF PLY WOOD	19MM THICK KIT PLAY WATER PROOF PLY WOOD:- 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
304004605	6MM THICK KIT PLAY WATER PROOF PLY WOOD	6MM THICK KIT PLAY WATER PROOF PLY WOOD:- Supply and fixing of 6mm thick kit play water proof ply wood ISI Mark including all materials ,fevical labour charges etc complete. Make:Green Play
304004606	10MM THICK KIT PLAY WATER PROOF PLY WOOD	10MM THICK KIT PLAY WATER PROOF PLY WOOD:- 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

304004607	12MM THICK KIT PLAY WATER PROOF PLY WOOD	<p>12MM THICK KIT PLAY WATER PROOF PLY WOOD:- 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</p>
304004608	TW DOOR FRAME	<p>TW DOOR FRAME :- Providing seasoned TEAK WOOD of class specified below in frames of doors, windows, ventilators and other frames etc; wrought, framed and fixed in position with 40mmx3mm and 400mm long MS holdfasts embedded in cement concrete blocks of size 345/230/115mm x 230mm x 150mm in PCC 1:3:6 mix for wall locations. Further if the frames are butting to the RCC/PCC columns/ mullions, 8mm dia anchor fastner shall be provided instead of hold fasts or with M.S bolts/T.W plugs and G.I. screws as required including tarring back of the frames, etc; complete all as per specifications.Using First class seasoned TEAK WOOD.</p>
304004609	MS door frame with powder coating	<p>MS door frame with powder coating:- 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</p>

		should be filled with concrete of grade 1:2:4 using 6 mm down size aggregate Frames have to be duly protected
304004610	Wooden beading	Wooden beading :- 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.
304004611	Garware film	Garware film:- 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.
304004612	Curb Stone	Curb Stone:- 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
304004613	Road sub-base	Road sub-base:- 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 grade and disposal of surplus earth with lead up to 50meters.
304004614	WBM Road 200MM THICK	WBM Road 200MM THICK:- 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
304004615	BITUMEN MACADAM	BITUMEN MACADAM :- Providing and laying full grout macadam (F.G.M) 50mm thick including cleaning the water bound macadam, preparing the surface spreading 40mm IRC graded hard broken granite stone metal at 6.00cum /100sqm rolled lightly with 8 to 10 tonne power roller, supplying and spreading bitumen at 5.00kg/sqm and blinding the surface with 12mm graded granite stone chips at 1.50cum/100sqm and consolidating thoroughly with 8 to 10 tonne power roller and applying final seal coat with 80/100 grade (R-90) grade bitumen at 0.98kg/sqm and 6mm graded granite stone chips at 1.20cum/100sqm and final consolidation with 8 to 10 tonne power roller including hire charges of tools and plants, etc; complete all as per specifications. (40mm metal for F.G.M is given elsewhere as a separate item). Note: Stone metal required for the item shall be stacked as directed for pre-measurement to ensure adequate consumption.

304004616	BITUMEN PREMIX CARPET	<p>BITUMEN PREMIX CARPET OF 25 MM THICK:- Providing and laying 25mm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). all as specified and directed by Engineers in charge.</p>
304004617	Kota stone flooring	<p>Kota stone flooring:- Providing and laying 20 to 25mm thick polished kota stone slab for shelves anchored into the wall including cutting to the required size, filling the gaps with cement mortar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions of Engineer in charge in all floors at all heights. Polished with machine polish on both sides with machine cut edges.</p>
304004618	Removing of tar felt sheet	<p>Removing of tar felt sheet :- 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</p>
304004619	Red soil	<p>Red soil:- Providing and Laying in red soil/ sweet soil for plantation. Item includes transportation, leveling, watering,</p>

		compacting etc as per the instructions of the Engineer in-charge
304004620	IPS FLOORING	<p>IPS FLOORING:- 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</p>
304004621	BT ROAD ABOVE RUBBER PAINTING	<p>BT ROAD ABOVE PAINTING DIRECTION:- Painting ROAD SURFACE marking with adequate no of coats to give uniform finish with ready mixed road marking paint coforming to IS:164, on bitumen surface in white / yellow shade including cleaning the surface of all dirt, scales, oil, grease and other foreign material etc. complete for NEW WORK (two or more coats)</p>
304004622	Wooden solid flooring	<p>Wooden solid flooring:- 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 -</p>

		<p>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</p>
304004623	Melamine polish work	<p>Melamine polish work:- Melamine polishing with TWO or more coats including a base coat of wood filler and Shellac and required colour at 0.245kg/10sqm on new work etc; complete all as per specifications. (Rate to include cost of wood filler, pigment, woollen cloth, putty, sand paper, linseed oil, cotton, etc).The seal coat shall be uniformly applied with air compressure complete as directed and specified. materials ,incuding labour charges etc complete as per architects/ARCI suggestion.</p>
304004624	Wooden laminate flooring	<p>Wooden laminate flooring:- Providing and laying 8mm thick LAMINATE WOODEN FLOORING of PERGO ORIGINAL or equivalent (matt finish) consisting of panels of size 1194mm x 194mm having class of use - 23/33, wear resistance level of AC5</p>

as per EN 13329 with a high pressure Laminate surface treated with aluminium oxide and a specially patented SURFACE GUARD + on top of a high density fibre board with a density of 910 Kg/ cum. The panels having a click system tongue and groove joint to secure a long lasting joint with the edges duly impregnated with paraffin. The Floating laminate flooring shall be laid over a 0.20mm thick polythene film to form a vapour barrier and 2mm to 3mm thick PERGO FOAM under layer to reduce impact sound etc., complete all as per manufacturers specification and directions of Engineer- in- Charge at all heights and levels etc. for Flooring and For skirting with approved Pergo skirting board including finishing profile. 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

304004625	WALL PAINT POP Punning	<p>WALL PAINT POP Punning:- 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 includes pads or scaffolding etc. complete in all respect to the satisfaction of Architect / ARCI Engineer</p>
304004626	CEILING PAINT- Royal luxury emulsion	<p>CEILING PAINT- Royal luxury emulsion:- 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,</p>
304004627	CEILING PAINT- Royal luxury emulsion	<p>CEILING PAINT- Royal luxury emulsion:- 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,</p>

304004628	CEILING PAINT	<p>CEILING PAINT:- White washing with lime (fat lime class-C) three or more coats to give an even shade to walls and ceilings including scaffolding, cleaning the surface, cost of lime powder and gum, etc; complete all as per specifications architects/ARCI suggestion,</p>
304004629	panelling on wall	<p>panelling on wall:- 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 veener as per architects/ARCI suggestion.</p>
304004630	MAIN ENTRY DOOR	<p>MAIN ENTRY DOOR:- MAIN ENTRY DOOR (Frame+material+Veener+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 veener/smoked sapheli . on both sides complete with 15" handle with door closer SShinges-4nos ,both side and edges to be melamine polish and the veener also ,including all labour charges transportation etc complete as per architects/ARCI suggestion</p>

304004631	Hiring of Tractor	<p>Hiring of Tractor:- Hiring of Tractor 8hours operationincluding labour-4nos with driver-1no etc for shifting of disposal materials from ARCI Inside to out side scrap yard</p>
304004632	MAKING OPENINGS FOR AC(800X600MM)	<p>MAKING OPENINGS FOR AC(800X600MM) :- 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</p>
304004633	MAKING OPENING FOR EXHAUST FANS(500MMDIA)	<p>MAKING OPENING FOR EXHAUST FANS(500MMDIA) :- 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 alead of 500m etc</p>

304004634	MAKING OPENING FOR EXHAUST FANS (750MM)	<p>MAKING OPENING FOR EXHAUST FANS (750MM) :- 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</p>
304004635	MAKING OPENINGS FOR AC FRAMES (900X750MM)	<p>MAKING OPENINGSFOR AC FRAMES(900X750MM) :- 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 ahead of 500m etc</p>
304004636	ONLY FIXING OF COBBLE STONE	<p>ONLY FIXING OF COBBLE STONE:- Only fixing of cobble stone including sand, levelling cost and conveyance of all materials etc. (excluding cobble stone)</p>

304004637	NAHANI CONNECTION (WASTE PIPE)	<p>NAHANI CONNECTION (WASTE PIPE) :- Providing and fixing of nahani connection (waste pipe) including cost and conveyance of all materials labour charges removing of old fittings etc</p>
304004638	REMOVING OF ALU PARTITION	<p>REMOVING OF ALU PARTITION:- Removing carefully the existing aluminium partition with out making any damage to glass panels by making necessary opening screws in the walls etc transporting and stacking the partition materials as directed by the engineer -in -charge including labour charges etc</p>
304004639	ONLY FIXING OF ALU PARTATION	<p>ONLY FIXING OF ALU PARTATION:- ONLY FIXING OF ALUMINIUM PARTATION INCLUDING LABOUR CHARGES TRANSPORTATION ,screws, and minor materials ETC COMPLETE</p>
304004640	POWER COATED ALU PARTATION	<p>POWER COATED ALU PARTATION :- 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</p>

		<p>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</p>
<p>304004641</p>	<p>POWDER COATED ALU DOOR</p>	<p>POWDER COATED ALU DOOR:- 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 clippsand 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</p>

		approved by Engineer and fixtures shall be of ISI marked) HARD WARE-DOOR SET/godrej
304004642	ALUMINIUM GRILL AOPROVED DESIGN	ALUMINIUM GRILL AOPROVED DESIGN:- supply and fixing of Anodised ALUMINIUM GRILL not exceeding 4kg/sq cm AOPROVED DESIGN including anodised aluminium beading around ,fixing charges transportation etc complete
304004643	ANODISED ALUMINIUM SECTIONS	ANODISED ALUMINIUM SECTIONS:- SUPPLY AND FIXING OFANODISED ALUMINIUM AT Any SECTIONS INCLUDING TRANSPORTATION LABOUR CHARGES ETC COMPLETE Make;Jindal
304004644	RUBBER BEADING	RUBBER BEADING:- SUPPLY AND FIXING OF RUBBER BEADING INCLUDING LABOUR TRANSPORTATION ETC COMPLETE
304004645	ALUMINIUM NOTICE BOARD	ALUMINIUM NOTICE BOARD:- SUPPLY AND FIXING OFANODISEDSECTIONS (101.60X44.45X2.00MM ALUMINIUM FRAME WITH 12MM THICK SOFT WOOD WITH VELVET CLOTH AND SLIDING5MM THICK PLAIN GLASS DORRS WITH LOCKING ARRANGEMENTS Make;Jindal

304004646	25MM THICK BOTH SIDE LAMINATION NAVOPAN	<p>25MM THICK BOTH SIDE LAMINATION NAVOPAN:- SUPPLY AND FIXING OF 25MM THICK BOTH SIDE LAMINATION NAVOPAN INCLUDING LABOUR ,TRANSPORTATION ETC COMPLETE Make;Jindal</p>
304004647	19MM THICK BOTH SIDE LAMINATION NAVOPAN	<p>19MM THICK BOTH SIDE LAMINATION NAVOPAN:- SUPPLY AND FIXING OF 19MM THICK BOTH SIDE LAMINATION NAVOPAN INCLUDING LABOUR TRANSPORTATION ETC COMPLETE</p>
304004648	12MM THICK NOVAPAN(BOTH SIDE LAMINATION)	<p>12MM THICK NOVAPAN(BOTH SIDE LAMINATION) :- Supply and Fixing of 12MM THICK NOVAPAN(BOTH SIDE LAMINATION) including all materials etc complete</p>
304004649	ALUMINUIM WINDOWS	<p>ALUMINUIM WINDOWS:- 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</p>

304004650	POWER COATED ALU SLIDING WINDOW	<p>POWER COATED ALU SLIDING WINDOW:- 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</p>
304004651	ALUMINIUM PARTITION(101.60X44.45X2.00)	<p>ALUMINIUM PARTITION(101.60X44.45X2.00) :- 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,</p>

		<p>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. Aluminium material- Jindal make</p>
304004651	<p>ALUMINIUM PARTITION(101.60X44.45X2.00)</p>	<p>ALUMINIUM PARTITION(101.60X44.45X2.00) :- 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</p>

		sliding door materials etc. complete. Aluminium material- Jindal make
304004652	ALUMINIUM VENTILATORS	<p>ALUMINIUM VENTILATORS:- 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>
304004653	GYPSUM BOARD PARTITION	<p>GYPSUM BOARD PARTITION:- 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 &</p>

fixing in place partitions of overall thickness of 100 mm, formed out of the following components

A)Framework: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)Cladding 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. C)Finishes Two coats of gypboard primer to be applied to finished surfaces and

		<p>then smoothened using chalk putty as directed. Special Provisions a)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)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 c)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 d) Provide 6mm ply backing of 80mm high for fixing vitrified tile skirting Make:Indian Gypsum</p>
<p>304004654</p>	<p>GYPSUM BOARD FALSE CEILING</p>	<p>GYPSUM BOARD FALSE CEILING:- 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 wallor 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 and10mm and 0.55 thick fixed to soffit with G.I. cleat and steel expansion fasteners at every 610mm centre to centre. Ceiling sections</p>

		<p>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 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</p>
304004655	GRANITE BASIN COUNTER TOP	<p>GRANITE BASIN COUNTER TOP:- 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</p>
304004656	ONLY FIXING OF URINAL	<p>ONLY FIXING OF URINAL:- ONLY FIXING OF URINAL INCLUDING LABOUR ,MINOR MATERIALS(SSMade) ETC COMPLETE</p>

304004657	CEMENT CONCRETE FLOORING OF 100 MM THICK	<p>CEMENT CONCRETE FLOORING OF 100 MM THICK:- Providing and laying cement concrete flooring of 100 mm thick with concrete hardener topping, under layer 88 mm thick cement concrete (1:11/2:3) (1 cement : 11/2 sand : 3 graded stone aggregate 20mm nominal size) with nominal steel and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size by volume, hardening compound of approved make & brand mixed at 2 lit/50 kg of cement or as per manufacture specification. The rate includes cost of centering if any all, including cost and conveyance 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 and finished smooth to level for finished item of work</p>
304004658	ULTIMA (MICRO LOOK) EDGE TILES	<p>ULTIMA (MICRO LOOK) EDGE TILES:- Providing & Fixing of Armstrong Mineral Fibre Acoustical Suspended Ceiling System with ULTIMA (MICRO LOOK) EDGE TILES WITH ARMSTRONG SILHOUETTE 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 & back of the tile, suitable for Green</p>

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 & Cross Tees to have mitred ends and birdsmouth notches to provide mitred cruciform junctions. The T Sections have a Galvanizing of 90 grams per M² and passed through 500 hrs of Salt test. The Tile & 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 & 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.

304004659	300MM DIA RCC PIPES	<p>300MM DIA RCC PIPES:- Supplying and laying RCC non -pressure pipes of 300mmdiameters including 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)</p>
304004660	PRECOATED GALVANISED IRON PROFILE SHEETS	<p>PRECOATED GALVANISED IRON PROFILE SHEETS:- 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</p>

		or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The Rate is including cost and conveyance of all materials, labour charges and all operational, incidental charges etc., complete for finished item of work.
304004661	REMOVING OF PVC FLOORING	REMOVING OF PVC FLOORING:- Only removing of PVC flooring including labour charges transportation etc complete
304004662	POWER COATED/SS HINGES	POWER COATED/SS HINGES:- Supply and fixing of Power coated/SS hinges including removing of old hinges transportation screws etc complete (Size 4" or 6") Make : godrej/door set
304004663	REPAIRING OF ALL TYPES OF FALSE CEILING	REPAIRING OF ALL TYPES OF FALSE CEILING:- 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
304004664	18MM THICK MARBLE SLA	18MM THICK MARBLE SLA:- Providing and laying 18mm thick machine polished MARBLE stone slab flooring using first quality approved marble slabs as specified below, cut to the required sizes and pattern laid over a 20mm (average) thick bed of cement mortar 1:6 and cement slurry at the rate of 4.4 kg/sqm for bedding, including machine cut edges of all slabs in order to achieve thin joints including grouting the joints with white cement to match the shade of slabs,

		finishing to required level and slope, polishing the surfaces and exposed edges to highly smooth finish, curing, cleaning, etc., complete all as per specifications. Using Marble stone slab 18 MM THICK
304004665	SUNCONTROLFILM	SUNCONTROLFILM:- Supply and fixing of sun control film of non- reflected type of approved colour make (garware) Or equivalent including cost and conveyance of materials, labour charges etc
304004666	BARBEDWIRE	BARBEDWIRE:- Refixing of barbed wire including cost and conveyance of all materials labour charges etc.
304004667	GALAVANISED WIRE	GALAVANISED WIRE:- Supplying and fixing chain link fencing to RCC/MS posts using G.I chain link fencing fixed to posts with MS flat, GI Nuts & Bolts & using GI binding wire including providing 10G. GI wire horizontally at top and bottom, cost of all materials required for the work, etc; all as directed by the Engineer-in-charge. (Note: MS flat will be measured and paid as separate item). Using G.I CHAIN LINK FENCING of size 50x50x10gx10g.
304004668	ROOFING WITH FIBRE SHEET	ROOFING WITH FIBRE SHEET:- 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

304004669	ROLLING SHUTTER SPRINGS	<p>ROLLING SHUTTER SPRINGS:- Supply and fixing of ROLLING SHUTTER SPRINGS (Rolling shutter fittings) including cost and conveyance of all materials labour charges etc</p>
304004670	ALUMINIUM WINDOW HANDLE	<p>ALUMINIUM WINDOW HANDLE:- Supply and fixing of aluminium window handles including cost and conveyance of all materials labour charges etc</p>
304004671	15MM plastic TAPS	<p>15MM plastic TAPS:- Providing and fixing of 15mm diameter 15MM PLASTIC HEAVY TYPE BIB 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</p>
304004672	SUPPLY AND MAKING / FIXING OF country wood	<p>SUPPLY AND MAKING / FIXING OF country wood:- Providing seasoned first class country wood (Hollock/ Badam/ Malaysian bell) in frames of doors, windows, ventilators and other frames like partition etc; wrought, framed and fixed in position with 40mmx3mm and 400mm long MS holdfasts embedded in cement concrete blocks of size 345/230/115mmx230mmx150mm in PCC 1:3:6 mix for wall locations. Further if the frames are butting to the RCC/PCC columns/ mullions, 8mm dia anchor fastener shall be provided instead of hold fasts or with M.S bolts/T.W plugs and G.I. screws as required including</p>

		tarring back of the frames, etc; complete all as per specifications.
304004673	SUPPLY AND MAKING / FIXING OF HARD WOOD	SUPPLY AND MAKING / FIXING OF HARD WOOD:- SUPPLY AND MAKING / FIXING OF HARD WOOD including labour charges, screws, nuts and minor materials etc
304004674	SUPPLY AND FIXING OF SECOND CLASS HARD WOOD	SUPPLY AND FIXING OF SECOND CLASS HARD WOOD:- SUPPLY AND making/ FIXING OF SECOND CLASS HARD WOOD including labour charges, minor materials etc complete
304004675	GRINDING & WAX POLISHING LABOUR CHARGES	GRINDING & WAX POLISHING LABOUR CHARGES:- Only Grinding & polishing charges for terrazzo tiles flooring including cost conveyance of all materials etc
304004676	SUPPLY & LAYING 40MM METAL	SUPPLY & LAYING 40MM METAL:- Supplying and laying of 40mm HBG metal including Labour charges, etc complete
304004677	100X45 MM TEAK WOOD HAND RAIL	100X45 MM TEAK WOOD HAND RAIL:- Supply and fixing of 100 x 45mm Teak Wood Hand Rail including cost & conveyance of materials, polishing, labour charges for fixing in position etc, complete for finished item of work

304004678	CONMIX DECORATIVE PLASTER	<p>CONMIX DECORATIVE PLASTER:- 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 should be clean,free of dust deposits, loose mortar,chemicalimpurities (salts,and sulphates)and other contaminations, which may adversely affect adhesion and cause variations in colour of the SP 1. at all heights and locatioons 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</p>
304004679	INTER LOCKING TILES	<p>INTER LOCKING TILES:- Providing and laying cement concrete interlocking paver blocks flooring using approved shape, size and colours with required combination of colours of blocks having 60mm thick load bearing strength not less than M20 grade manufactured by M/s. Besser Blocks or equivalent,close jointed over bed of 75mm thick m.Sand/sand to a tight pattern, laid to proper line and level</p>

		<p>including bedding down the completed surface with a plate vibrator or by firmly topping level with mallet and a large flat piece of timber, finishing by brushing clean dry sand over the surface to fill all the joints thoroughly including fixing the edge restraint laying blocks etc., complete all as per manufacturers specifications and directions of Engineer in charge. (Rate to include cost of paver blocks, M.sand and labour etc.). The arrangement of pattern of blocks shall be as per architectural drawings.</p>
<p>304004680</p>	<p>ALUMINUIM WINDOWS</p>	<p>ALUMINUIM WINDOWS:- 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</p>

		1948-1961 and as approved by Engineer and fixtures shall be of ISI marked) Make:Aparna/Tata/Jindal
304004681	PVC DOOR FRAME WITH SHUTTER	<p>PVC DOOR FRAME WITH SHUTTER:- 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 aldrop 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</p>
304004682	35MM THICK NOVAPAN DOORS	<p>35MM THICK NOVAPAN DOORS:- Supplying and fixing of door shutters of 35 mm thick NOVAPAN 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,trasportation etc., complete for finishef item of work</p>

304004683	ALUMINUIM DOOR	<p>ALUMINUIM DOOR:- 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 fixitures shall be of ISI marked HARD WARE-DOOR SET/godrej</p>
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304004684	RCC(1:2:4) FLOORING	<p>RCC(1:2:4) FLOORING:- Providing and laying Reinforced Cement Concrete flooring 100MM 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</p>
304004685	MINOR REPAIR OF ALUMINUM DOOR	<p>MINOR REPAIR OF ALUMINUM DOOR:- Minor Repairing 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>
304004686	MAJOR REPAIR OF ALU/WINDOWS/VENTILATORS	<p>MAJOR REPAIR OF ALU/ WINDOWS/ VENTILATORS: - 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>

304004687	MINOR REPAIR OF ALU/WINDOWS/VENTILATORS	<p>MINOR REPAIR OF ALU/ WINDOWS/ VENTILATORS:- 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.</p>
304004688	FRICTION HINGES	<p>FRICTION HINGES:- Supply and fixing of aluminum window friction hinges heavy duty(SSMade) including cost &conveyance of all materials labour charges etc MAKE: EBCO/DOOR SET</p>
304004689	DOUBLE ACTION FLOOR SPRINGS	<p>DOUBLE ACTION FLOOR SPRINGS:- Supply and fixing of Hydraulic Floor spring Dorma or equivalent bearing ISI mark - floor type door closer - metallised coating on pivot suspension with ball bearings and adjustable on all six sides. Heavy duty - top plate (31.8x197x2)mm, Foundation box (305x184x70)mm and lever (250x25x15)mm. including cost and conveyance of allmaterials labour charges etc.</p>
304004690	SINGLE ACTION FLOOR SPRING	<p>SINGLE ACTION FLOOR SPRING:- Supply and fixing of Hydraulic Floor spring Dorma or equivalent bearing ISI mark - floor type door closer - metallised coating on pivot suspension with ball bearings and adjustable on all six sides. Light duty - top plate (237x130x2)mm, Foundation box (225x116x68)mm and lever (250x25x15)mm. cost and conveyance of allmaterials labour charges etc.</p>

304004691	20 MM GRANITE PARTITIONS	<p>20 MM GRANITE PARTITIONS:- Providing and Fixing in position best Indian make Marble partition slab for urinals, size 610X1150mm, 20mm thick (tolerance + \ - 1mm) polished on both sides and machine cut edges with exposed corners rounded etc all as specified and directed.</p>
304004692	CP BRASS ANGLE STOPCOCK (JAGUAR CONTINEN)	<p>CP BRASS ANGLE STOPCOCK (JAGUAR CONTINEN):- Supply & Fixing of CP brass Angle 15MM stopcock (Jaguar continental series) of standard design and of approved make confirming to ISI</p>
304004693	20MM DIA BALL VALVE /BUTTER FLY VALVE	<p>20MM DIA BALL VALVE /BUTTER FLY VALVE:- Providing and Fixing in position high pressure best quality gun metal ball valves with polythene float conforming to IS:1703 and bearing ISI mark of size mentioned below including testing, making good the leakages etc., all as specified and directed. 20mm</p>
304004694	CP BRASS CONCEALED STOPCOCK (JAGUAR CONT)	<p>CP BRASS CONCEALED STOPCOCK (JAGUAR CONT):- Supply & Fixing of CP brass Concealed 15MM stopcock (Jaguar continental series) of standard design and of approved make confirming to ISI</p>
304004695	25MM DIA BALL VALVE /BUTTER FLY VALVE	<p>25MM DIA BALL VALVE /BUTTER FLY VALVE:- Providing and Fixing in position high pressure best quality gun metal ball valves with polythene float conforming to IS:1703 and bearing ISI mark of size mentioned below</p>

		including testing, making good the leakages etc., all as specified and directed. 25mm
304004696	1MM THICK GI SHEET	1MM THICK GI SHEET:- Supply and fixing of 1mm thick GI sheet including labiur charges , nails , etc
304004697	REFIXING OF ALUMINUIM PARTATION	REFIXING OF ALUMINUIM PARTATION:- Only refixing of Aluminuim partation including labour charges ,tools &tackles etc
304004698	WHITE CEMENT APPLYING FOR TAILS JOINT	WHITE CEMENT APPLYING FOR TAILS JOINT:- Providing applying of ceramic tiles joints including labiur charges whie cement ,nahani trap around cementing fixing of grating etc complete
304004699	CRACK FILLING	CRACK FILLING:- Providingtwo coatsof crack filling including labour charges ,scaffolding charges including making of groovesetc
304004700	HAND RAIL POLISH WORK	HAND RAIL POLISH WORK:- 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)

<p>304004701</p>	<p>HYPERPLAS 4KG/SQ</p>	<p>HYPERPLAS 4KG/SQ:- SUPPLY AND PROVIDING OF HYPERPLAS 4KG/SQ IWL HYPER PLAS TREATMENT 1 Supply and providing water proofing treatment with app waterproofing memberance 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 memberance 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</p>
<p>304004702</p>	<p>HYPER PLAS 3KG/SQM WITH PAINTING</p>	<p>HYPER PLAS 3KG/SQM WITH PAINTING:- 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</p>

		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 /10cmover 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.
304004703	REMOVING OF EXISTING BITUMEN FELT	REMOVING OF EXISTING BITUMEN FELT:- 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
304004704	C.P. PILLAR TAP	C.P. PILLAR TAP:- 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. MAKE:- JAGUAR, PARRYWARE
304004705	15MM DIA METER C.P. Long Body BIBCOCK	15MM DIA METER C.P. Long Body BIBCOCK:- 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. MAKE:- JAGUAR, PARRYWARE

304004706	15MM DIA METER C.P. stop cock/ANGLE COCK	15MM DIA METER C.P. stop cock/ANGLE COCK:- Providing and fixing of 15mm dia meter 15mm Brass Angle cock CP conforming to IS:781(ORP CHR 10053PM) Jaguar make of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc.
304004707	C.P. BIB TAP(Short body)	C.P. BIB TAP(Short body):- Providing and fixing of 15MM n.b. Short Body bib tap Jaguar make of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc.
304004708	TOWEL RING	TOWEL RING:- Providing and fixing Towel Ring Round With Round Flange of superior quality with ISI mark including cost and conveyance of all materials labour charges removing of old fittings etc. Make:Jaguar
304004709	ALUMINIUM HEXAGONAL TOWEL RAIL	ALUMINIUM HEXAGONAL TOWEL RAIL:- 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
304004710	TOWEL RAIL	TOWEL RAIL:- Providing and Fixing in position best approved quality and type towel rail of length mentioned below 25mm dia with a pair of brackets or flanges fixed to wall with necessary

		screws, plugs, etc. all as specified and directed. CP brass towel rail of 600 mm long.
304004711	C.P BRASS 150MM DIA TOWEL RING	C.P BRASS 150MM DIA TOWEL RING:- 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
304004712	15MM PVC INLET WATER PIPE	15MM PVC INLET WATER PIPE:- Providing, laying, jointing, fixing, testing, commissioning threaded PVC pipes schedule 40 conforming to ASTM-D-1785 with GI specials, cutting the pipes to the required lengths, threading, jointing the pipes using teflon tape chasing the walls and floors, making the holes, clamping to walls using the wooden spacers or clamps and restoring the same to the original conditions, necessary excavation, testing, refilling etc. Complete all as specified and directed and as per manufacturer's specification. For Internal works - 15mm n.b. For Internal works labour charges excluding the cost of Threaded PVC pipes but including cost of GI specials - 15mm
304004713	C.P.FLUSH PIPE	C.P.FLUSH PIPE:- 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

304004714	C.P. GRATINGS	C.P. GRATINGS:- 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
304004715	C.P. BRASS SOAP CONTAINER	C.P. BRASS SOAP CONTAINER:- 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
304004716	FLUSH TANK FITTINGS	FLUSH TANK FITTINGS:- 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
304004717	25MM DIA BUTTER FLY VALVE	25MM DIA BUTTER FLY VALVE:- Supply and fixing of 25mm dia butter fly valve including labour charges transportation etc complete Make zoloto
304004718	20MM DIA BUTTER FLY VALVE	20MM DIA BUTTER FLY VALVE:- Supply and fixing of 20mm dia butter fly valve including labour charges transportation etc complete .Make zol
304004719	15MM DIA BUTTER FLY VALVE	15MM DIA BUTTER FLY VALVE:- Supply and fixing of 20mm dia butter fly valve including labour charges transportation etc complete .Make zoloto
304004720	PEG STAYS	PEG STAYS:- Supply and fixing of peg stays including cost and conveyance of all materials labour charges etc.

304004721	PVC DOOR	<p>PVC DOOR:- 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 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 aldrop 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</p>
304004722	REMOVING AND REFIXING OF POLY CORBONATE	<p>REMOVING AND REFIXING OF POLY CORBONATE:- carefully REMOVING AND REFIXING OF POLY CORBONATE roofing with structural steel including labour charges , transportation ,and minor materials etc complete</p>
304004723	REMOVING AND RE FIXING OF SINTEX TANKS	<p>REMOVING AND RE FIXING OF SINTEX TANKS:- 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</p>

304004724	SUPPLY AND FIXING OF GI SHEET	SUPPLY AND FIXING OF GI SHEET:- supply and fabricating of 18 gauge GI Sheet including screws ,nails , all materials etc complete
304004725	10T ROLLING CHARGES	10T ROLLING CHARGES:- Rolling of the ground with 10T Roller including labour 8hours per day operation and all materials f etc complete
304004726	TORCHABLE PLASTROFELT	TORCHABLE PLASTROFELT:- 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
304004727	POLYMERIC HIPER MULTIPLUS	POLYMERIC HIPER MULTIPLUS:- 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

304004728	STEEL WINDOWS	<p>STEEL WINDOWS:- Steel glazed fully openable windows/ventilators with shutters top hung/ central hung/ side hung Fully openeble steel window /ventilators with shutters top hung /side hung /central hung with SS304 grade fly proof mesh 1/16" x24g. all complete as per specifications, and directions of Engineer. a) With panes of 4mm thick glass sheets</p>
304004729	INDOOR TYPE LOCKS	<p>INDOOR TYPE LOCKS:- supply and fixing of indoor type door locks GODREJ MAKE including cost and conveyance of all materials labour charges etc.</p>
304004730	BRASS CYLINDRICAL LOCKS	<p>BRASS CYLINDRICAL LOCKS:- Supply and Fixing of brass cylindrical locks godrej makeincluding cost and conveyance of all materials labour charges etc.</p>
304004731	25MM DIA GIPIPE	<p>25MM DIA GIPIPE:- Providing, laying, jointing, fixing, testing, painting, commissioning GI pipes, medium grade conforming to IS:1239 with a minimum weight as follows including GI specials, cutting the pipes to the required lengths, threading, jointing the pipes, chasing the walls and floors, making the holes, clamping to walls using wooden spacers or clamps and restoring the same to the original conditions, necessary excavation, testing, refilling etc. Complete all specified and directed. For Internal Works - 25mm n.b. (2.46 kg/mtr) For Internal works labour charges excluding</p>

		the cost of GI pipes but including cost of GI specials - 25mm
304004732	15MM DIA GIPIPE	<p>15MM DIA GIPIPE:- Providing, laying, jointing, fixing, testing, painting, commissioning GI pipes, medium grade conforming to IS:1239 with a minimum weight as follows including GI specials, cutting the pipes to the required lengths, threading, jointing the pipes, chasing the walls and floors, making the holes, clamping to walls using wooden spacers or clamps and restoring the same to the original conditions, necessary excavation, testing, refilling etc. Complete all specified and directed. For Internal Works - 15mm n.b. (1.23 kg/mtr) For Internal works labour charges excluding the cost of GI pipes but including cost of GI specials - 15mm</p>
304004733	20MM DIA GIPIPE	<p>20MM DIA GIPIPE:- Providing, laying, jointing, fixing, testing, painting, commissioning GI pipes, medium grade conforming to IS:1239 with a minimum weight as follows including GI specials, cutting the pipes to the required lengths, threading, jointing the pipes, chasing the walls and floors, making the holes, clamping to walls using wooden spacers or clamps and restoring the same to the original conditions, necessary excavation, testing, refilling etc. Complete all specified and directed. For Internal Works - 20mm n.b. (1.59 kg/mtr) For Internal works labour charges excluding</p>

		the cost of GI pipes but including cost of GI specials - 20mm
304004734	25MM DIA GATE VALVE	25MM DIA GATE VALVE:- Providing and Fixing in position approved best Indian make heavy quality screw down Gun metal Gate valve with hand wheel of following sizes conforming to IS:778 and bearing ISI mark including testing, making good the leakages etc. including cost and conveyance of all materials, removing of old gate valves, and labour charges etc.MAKE-ZOLOTO
304004735	25MM DIA GATE VALVE	25MM DIA GATE VALVE:- Providing and Fixing in position approved best Indian make heavy quality screw down Gun metal Gate valve with hand wheel of following sizes conforming to IS:778 and bearing ISI mark including testing, making good the leakages etc. including cost and conveyance of all materials, removing of old gate valves, and labour charges etc.MAKE-ZOLOTO
304004736	15MM DIA GATE VALVE	15MM DIA GATE VALVE:- Providing and Fixing in position approved best Indian make heavy quality screw down Gun metal Gate valve with hand wheel of following sizes conforming to IS:778 and bearing ISI mark including testing, making good the leakages etc. including cost and conveyance of all materials, removing of old gate valves, and labour charges etc.MAKE-ZOLOTO

304004737	20MM DIA GATE VALVE	<p>20MM DIA GATE VALVE:- Providing and Fixing in position approved best Indian make heavy quality screw down Gun metal Gate valve with hand wheel of following sizes conforming to IS:778 and bearing ISI mark including testing, making good the leakages etc. including cost and conveyance of all materials, removing of old gate valves, and labour charges etc.MAKE-ZOLOTO</p>
304004738	STEEL FRAMES	<p>STEEL FRAMES:- 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</p>
304004739	50MM DIA PVC WATER PIPE	<p>50MM DIA PVC WATER PIPE:- Providing, laying, jointing, fixing, testing,commissioning threaded PVC pipes schedule 40 conforming to ASTM-D-1785 with GI specials, cutting the pipes to the required lengths, threading, jointing the pipes using teflon tape chasing the walls and floors, making the holes, clamping to walls using the wooden spacers or clamps and restoring the same to the original conditions, necessary excavation,</p>

		testing, refilling etc. Complete all as specified and directed and as per manufacturer's specification. For Internal works - 50mm n.b. For Internal works labour charges excluding the cost of Threaded PVC pipes but including cost of GI specials - 50mm. including necessary earthwork, backfilling, etc., complete as per specification
304004740	65MM DIA PVC WATER PIPE	<p>65MM DIA PVC WATER PIPE:- Providing, laying, jointing, fixing, testing, commissioning threaded PVC pipes schedule 40 conforming to ASTM-D-1785 with GI specials, cutting the pipes to the required lengths, threading, jointing the pipes using teflon tape chasing the walls and floors, making the holes, clamping to walls using the wooden spacers or clamps and restoring the same to the original conditions, necessary excavation, testing, refilling etc. Complete all as specified and directed and as per manufacturer's specification. For Internal works - 65mm n.b. For Internal works labour charges excluding the cost of Threaded PVC pipes but including cost of GI specials - 65mm. including necessary earthwork, backfilling, etc., complete as per specification</p>
304004741	15MM DIA C-CLASS GI PIPE	<p>15MM DIA C-CLASS GI PIPE:- Providing, laying, jointing, fixing, testing, painting, commissioning GI pipes, medium grade conforming to IS:1239 with a minimum weight as follows including GI specials, cutting the pipes to the required lengths, threading, jointing the pipes, chasing the walls and floors, making the holes, clamping to walls using wooden spacers or clamps and restoring the same to the original conditions,</p>

		necessary excavation, testing, refilling etc. Complete all specified and directed. For Internal Works - 15mm n.b. (1.23 kg/mtr). For Internal works labour charges excluding the cost of GI pipes but including cost of GI specials - 15mm. including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors)
304004742	25MM DIA C-CLASS GI PIPE	<p>25MM DIA C-CLASS GI PIPE:- Providing, laying, jointing, fixing, testing, painting, commissioning GI pipes, medium grade conforming to IS:1239 with a minimum weight as follows including GI specials, cutting the pipes to the required lengths, threading, jointing the pipes, chasing the walls and floors, making the holes, clamping to walls using wooden spacers or clamps and restoring the same to the original conditions, necessary excavation, testing, refilling etc. Complete all specified and directed. For Internal Works - 25mm n.b. (2.46 kg/mtr). For Internal works labour charges excluding the cost of GI pipes but including cost of GI specials - 25mm. including necessary earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors)</p>
304004743	15MM DIA UPVC PIPE	<p>15MM DIA UPVC PIPE:- Supplying, fitting and laying 15MM 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</p>

		earthwork, backfilling, etc., complete as per specification (including concealing in walls/floors):
304004744	20MM DIA UPVC PIPE	<p>20MM DIA UPVC PIPE:- Supplying, fitting and laying 20MM 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):</p>
304004745	25MM DIA UPVC PIPE	<p>25MM DIA UPVC PIPE:- 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):</p>
304004746	32MM DIA UPVC PIPE	<p>32MM DIA UPVC PIPE:- 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):</p>

304004747	15MM DIA CPVC PIPE	<p>15MM DIA CPVC PIPE:- Providing and fixing Chlorinated Polyvynyl Chloride (CPVC) pipes (SDR 13.5) conforming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00mm spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. CPC Pipes, 15mm outer dia. complete as per specification (including concealing in walls/floors):</p>
304004748	20MM DIA CPVC PIPE	<p>20MM DIA CPVC PIPE:- Providing and fixing Chlorinated Polyvynyl Chloride (CPVC) pipes (SDR 13.5) conforming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00mm spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. CPC Pipes, 20mm outer dia. complete as per specification (including concealing in walls/floors):</p>
304004749	25MM DIA CPVC PIPE	<p>25MM DIA CPVC PIPE:- Providing and fixing Chlorinated Polyvynyl Chloride (CPVC) pipes (SDR 13.5) conforming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing</p>

		the pipe with clamps at 1.00mm spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. CPC Pipes, 25mm outer dia. complete as per specification (including concealing in walls/floors):
304004750	32MM DIA CPVC PIPE	32MM DIA CPVC PIPE:- Providing and fixing Chlorinated Polyvynyl Chloride (CPVC) pipes (SDR 13.5) conforming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00mm spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. CPC Pipes, 32mm outer dia. complete as per specification (including concealing in walls/floors):
304004751	20MM DIA UPVC VALVE	20MM DIA UPVC VALVE:- 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
304004752	15MM DIA UPVC VALVE	15MM DIA UPVC VALVE:- 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

304004753	25MM DIA UPVC VALVE	<p>25MM DIA UPVC VALVE:- 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</p>
304004754	32MM DIA UPVC VALVE	<p>32MM DIA UPVC VALVE:- 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</p>
304004755	15MM DIA CPVC VALVE	<p>15MM DIA CPVC VALVE:- 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</p>
304004756	20MM DIA CPVC VALVE	<p>20MM DIA CPVC VALVE:- 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</p>
304004757	32MM DIA CPVC VALVE	<p>32MM DIA CPVC VALVE:- 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</p>

304004758	25MM DIA CPVC VALVE	<p>25MM DIA CPVC VALVE:- 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</p>
304004759	GRANITE STONE	<p>GRANITE STONE:- Supply and fixing of granite stone including cost and conveyance of all materials, labour charges etc</p>
304004760	B.T. PATCH REPAIRS	<p>B.T. PATCH REPAIRS:- Patch repairs of B.T. Road including cost and conveyance of all materials, labour charges etc.</p>
304004761	PLASTERING CM(1:4)	<p>PLASTERING CM(1:4):- Plastering 20mm thick with cement mortar specified below finished smooth including scaffolding, curing, etc; complete for INTERNAL OR EXTARNAL SURFACES of stone masonry/brick masonry walls, sills, jambs, etc; complete all as per specifications at all heights Mix specified is for cement : fine river sand.</p>
304004762	REMOVING AND FIXING OFNEW CERMIC TILES	<p>REMOVING AND FIXING OFNEW CERMIC TILES:- Removing the existing ceramic tiles and refixing new tiles including cost and conveyance of all materials, labour charges etc.MAKE-JOHNSON/KAJARIA/NITCO</p>
304004763	RIDGES	<p>RIDGES:- Supply & fixing of the AC sheet RIDGES including cost and conveyance of all materials labour charges etc.</p>

304004764	GI , UBOLTS AND NUTS	GI , UBOLTS AND NUTS:- Supply & fixing of the G.I. 'U' bolts and nuts including cost and conveyance of all materials labour charges etc
304004765	BITUMEN AND METAL WASHERS	BITUMEN AND METAL WASHERS:- Supply & fixing of the Bitumen and metal washers including cost and conveyance of all materials labour charges etc.
304004766	G.I. Barbed wire	G.I. Barbed wire:- Supply & fixing of G.I. Barbed wire with 2mm dia, 4 points barbs at 75mm c/c. including cost and conveyance of all materials labour charges etc.
304004767	RE-FIXING PARTICLE BOARD FALSE CELLING	RE-FIXING PARTICLE BOARD FALSE CELLING:- Re-fixing of Particle board false ceiling including levelling, cost and conveyance of all materials, labour charges etc. (excluding particle board, powder coated false ceiling).
304004768	RE-FIXING POWERCOATED FALSE CEILING	RE-FIXING POWERCOATED FALSE CEILING:- Re-fixing of Power coated false ceiling including levelling, cost and conveyance of all materials, labour charges etc. (excluding powder coated false ceiling).
304004769	TILTING ROD	TILTING ROD:- Replacement of the Tilting rod For venation blinds including cost and conveyance of all materials labour charges etc
304004770	RUNNERS	RUNNERS:- Replacement of the Runners For venation blinds including cost and conveyance of all materials labour charges etc

304004771	NYLONTHREAD	NYLONTHREAD:- Replacement of the nylon threadFor venation blinds including cost& conveyance of all materials labour charges etc
304004772	LOCKING SYSTEM	LOCKING SYSTEM:- Replacement of theLocking systemFor venation blinds including cost and conveyance of all materials labour chargesetc
304004773	WEB	WEB:- Replacement of the WEBFor venation blinds includingcost and conveyance of all materials labour charges etc
304004774	SLOTS/BLINDS	SLOTS/BLINDS:- Replacement of the slots/blinds including cost and conveyance of all materials labour charges etc
304004775	200MMALUMINUIM HANDLE	200MMALUMINUIM HANDLE:- Supply and fixing of 200mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set
304004776	150MMALUMINUIM HANDLE	150MMALUMINUIM HANDLE:- Supply and fixing of 150mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set
304004777	100MMALUMINUIM HANDLE	100MMALUMINUIM HANDLE:- Supply and fixing of 100mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set

304004778	75MMALUMINUIM HANDLE	75MMALUMINUIM HANDLE:- Supply and fixing of 75mm aluminium handles including cost and conveyance of all materials labour charges etc. Make:Godrej/Dor set
304004779	BUTT HINGES-3inch size	BUTT HINGES-3’’size:- Providing and fixing ball bearing Hinges3’’ size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set
304004780	BUTT HINGES-4inch size	BUTT HINGES-4inch size:- Providing and fixing ball bearing Hinges4inch size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set
304004781	BUTT HINGES-6inch size	BUTT HINGES-6inch size:- Providing and fixing ball bearing Hinges 6inch size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set
304004782	BUTT HINGES-8inch size	BUTT HINGES-8inch size:- Providing and fixing ball bearing Hinges 8inch size SS 304 with screws ,labour charges etc complete Make:Godrej/Dor set
304004783	TOWER BOLTS(200MM)	TOWER BOLTS(200MM):- Providing and fixing with 200mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set
304004784	TOWER BOLTS(100MM)	TOWER BOLTS(100MM):- Providing and fixing with 100mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set

304004785	TOWER BOLTS(150MM)	TOWER BOLTS(150MM):- Providing and fixing with 150mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set
304004786	TOWER BOLTS(250MM)	TOWER BOLTS(250MM):- Providing and fixing with 250mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set
304004787	300MMALDROPS	300MMALDROPS:- Providing and fixing with SS Heavy duty300mm with screws including labour charges etc complete Make:Godrej/Dor set
304004788	250MMALDROPS	250MMALDROPS:- Providing and fixing with SS Heavy duty300mm with screws including labour charges etc complete Make:Godrej/Dor set
304004789	MORTICE LATCH75M	MORTICE LATCH75M:- Providing and fixing of Mortice latch 75mmwith grip knobs including all materials etcmake-godrej/door set
304004790	DOOR CLOSER-60KG	DOOR CLOSER-60KG:- Supply and fixing of DOOR CLOSER-60KG including screws ,labour charges etc complete make-godrej/door set
304004791	MORTISE HANDLE SET 250MM	MORTISE HANDLE SET 250MM:- 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
304004792	D-TYPE PULL HANDL	D-TYPE PULL HANDL:- Supply and fixing of D-Type Pull handle SS304 Grade 300mmx32mm including screws ,labour charges etc make-godrej/door set
304004793	MORTISE DEAD LOCK	MORTISE DEAD LOCK:- Supply and fixing of Mortise Dead lock with Euro profile Cylinder 60mm both side key labour charges etc complete
304004794	SLIDING WINDOWS LOCK	SLIDING WINDOWS LOCK:- Supply and fixing of Heavy duty sliding windows lockwith ISI Mark including labour charges etc complete
304004795	SLIDING WINDOWS ROLLER	SLIDING WINDOWS ROLLER:- Supply and fixing of Heavy duty sliding windows Roller with ISI Mark including labour charges etc complete
304004796	PUSH TYPE BIB TAP	PUSH TYPE BIB TAP:- Supply and fixing of push type Bib tapJAGUAR MAKE including labour transportation removing of existing tap including all materials etc complete
304004797	PUSH TYPE PILLAR TAP	PUSH TYPE PILLAR TAP:- Supply and fixing of push type Pillar-JAGUAR tap including labour transportation removing of existing tap including all materials etc complete
304004798	RC JALI	RC JALI:- Providing and fixing prefabricated RC Jali of 50mm thickness including labor charges transportation etc complete

304004799	LIGHT WEIGHT BRICK BAT COBA	<p>LIGHT WEIGHT BRICK BAT COBA:- Providing and laying Light weight Brick bat coba as a filler materials, at ground, first and terrace level</p>
304004800	INTERLOCKING /PAVER BLOCKS	<p>INTERLOCKING /PAVER BLOCKS:- 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)</p>
304004801	HEAVY DUTY SS.RAILING	<p>HEAVY DUTY SS.RAILING:- 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</p>
304004802	ALUMINUIM WINDOWS	<p>ALUMINUIM WINDOWS:- 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</p>

		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
304004803	ALUMINUIUM WINDOW HANDLE	ALUMINUIUM WINDOW HANDLE:- Supply and fixing of aluminium window handles including cost and conveyance of all materials labour charges etc
304004804	Fly ash Bricks masonry	Fly ash Bricks masonry:- Providing and constructing FLY ASH brick conforming to latest relevant IS codes of class designation 35 with compressive strength of 35kg/ Sqcm as per mixes stipulated below, including raking out joints 10mm deep wherever required curing, etc; Cement Mortar 1:6 (1 cement: 6 M sand). complete all as per specifications in FOUNDATION AND PLINTH (The mix ratio specified is for cement : coarse river sand) & Ultratech / Ambuja cement/bharathi cement

304004805	Fly ash BricKS masonry	<p>Fly ash BricKS masonry:- Providing and constructing FLY ASH brick conforming to latest relevant IS codes of class designation 35 with compressive strength of 35kg/ Sqcm as per mixes stipulated below, including raking out joints 10mm deep wherever required curing, etc; Cement Mortar 1:6 (1 cement: 6 M sand). complete all as per specifications in FOUNDATION AND PLINTH (The mix ratio specified is for cement : coarse river sand) & Ultratech / Ambuja cement/bharathi cement</p>
304004806	Only oiling, greasing to rolling shutters	<p>Only oiling, greasing to rolling shutters:- 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</p>
304004807	STEEL WINDOWS AND VENTILATORS	<p>STEEL WINDOWS AND VENTILATORS:- Providing and fixing pivoted steel windows/ ventilators side hung/ central hung/ top hung made out of standard rolled steel sections joints mitred and electrically welded with 15 x 3.15mm lugs 100mm long embedded in cement concrete blocks 150 x 100 x 100mm of 1:3:6 mix (1 cement: 3 coarse sand : 6 hard stone aggregate 20mm and down gauge) or with wooden plugs and screws or with anchor fasteners or with fixing clips with bolts and nuts as required including providing and fixing selected glazing quality glass panes of specified thickness with standard</p>

		<p>aluminium beadings of size 10 x 10 x 1mm necessary approved pivots as required and projected hinges, weather bars, etc; in windows/ ventilators including cleaning the surface thoroughly free from rust scales suitable method and painted with two coats of ready mixed red oxide zinc chromate non setting paint primer conforming to IS specifications including labour for fixing peg stays and handles complete all as per directions and specifications. (Peg stays and handles will be supplied by the department free of cost). Note: Steel sections should conform to IS 7452-1982 and IS 1028-1983. Steel sections to be adopted for standard windows and ventilators shall be F7D for outer and inner frames weighing 1.419kg/m and F4B weighing 2.28 kg/m for central mullions as meeting bar for shutters wherever glazing bars, sub-light, side light, partly fixed and partly hung shutters are required. The steel sections to be adopted shall be as prescribed in IS 7452-1982. The steel sections should be cut to length, joints mitred and electrically welded, grinded in sub-dividing frames of units shall be tennoned and rivetted into frames electrically. Steel glazed fully openable windows/ventilators with shutters top hung/ central hung/ side hung With 4.5mm to 5.0mm thick frosted glass</p>
304004808	32MM C.P. BRASS WASTE FITTINGS	<p>32MM C.P. BRASS WASTE FITTINGS:- Supply and fixing of 32mm C.P. brass waste fittings including cost and conveyance of all materials labour charges removing of old fittings etc</p>

304004809	MAJOR REPAIR OF ALUMINIUM DOORS	<p>MAJOR REPAIR OF ALUMINIUM DOORS:- 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</p>
304004810	BOTTLE TRAP	<p>BOTTLE TRAP:- 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.</p>
304004811	TOWER BOLTS(300MM)	<p>TOWER BOLTS(300MM):- Providing and fixing with 300mm Tower Bolt SS Heavy duty hardware fitting including screws labour charges etc Make:Godrej/Dor set</p>
304004812	GROUTING WORK OF R.C.C SLAB	<p>GROUTING WORK OF R.C.C SLAB:- Grouting work of slab including cement with chemicals, labour charges, scaffolding, transportations, etc.</p>
304004813	100MM DIA GI PIPE	<p>100MM DIA GI PIPE:- Providing, laying, jointing, fixing, testing, painting, commissioning GI pipes, medium grade conforming to IS:1239 with a minimum weight as follows including GI specials, cutting the pipes to the required lengths, threading, jointing the pipes, chasing the walls and floors, making the holes, clamping to walls using wooden spacers or clamps and restoring the same to the original conditions, necessary excavation, testing, refilling etc. Complete all specified and directed. For external works - 100mm n.b. (12.4 kg/mtr) For External works labour charges</p>

		excluding the cost of GI pipes but including cost of GI specials - 100mm. complete as per specification (including concealing in walls/floors)
304004814	150MM DIA GI PIPE	150MM DIA GI PIPE:- 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.
304004815	SILICON SEALANT	SILICON SEALANT:- Supply and filling of silicon sealant including cost and conveyance of all materials etc
304004816	TOUGHNED GLASS 12MM THICK DOOR SHUTTER	TOUGHNED GLASS 12MM THICK DOOR SHUTTER:- Supply and fixing of 12mm thick toughened colour glass door shutters including glass door fittings ,aluminum beading and necessary materials etc Make_Modii,Atul
304004817	DAMP PROOF COURSE PAINTING	DAMP PROOF COURSE PAINTING:- Painting to exterior faces DAMP PROOF COURSE PAINTING of 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

		<p>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>
304004817	DAMP PROOF COURSE PAINTING	<p>DAMP PROOF COURSE PAINTING:- Painting to exterior faces DAMP PROOF COURSE PAINTING of 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>
304004818	MAN HOLE ABOVE 600MM	<p>MAN HOLE ABOVE 600MM:- 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 1500mm deep</p>

304004819	PVC NAHANI TRAP	<p>PVC NAHANI TRAP:- Providing and fixing 100 x 75mm HSI floor/Nahani trap with PVC hinged heavy brass grating to be fixed in PCC M15C and made water tight</p>
304004820	REMOVING OF EXISTING CERAMIC/VETRIFIED	<p>REMOVING OF EXISTING CERAMIC/VETRIFIED:- Cutting/removing of Ceramic tiles flooring and dadoo / vetrified tiles flooring 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</p>
304004821	REMOVING OF EXISTING FALSE CEILING	<p>REMOVING OF EXISTING FALSE CEILING:- Removing of Existing false ceiling all types of ceiling with grid and disposal of dismantled false ceiling materials up to 2KM lead including scaffolding charges, labor charges etc complete finished item of work</p>
304004822	ALUMINUIM ANGLE 40X40MM	<p>ALUMINUIM ANGLE 40X40MM:- Supply and fixing of aluminuim L-ANGLE 40MMX 40MM size including labour charges ,transportation etc complete</p>
304004823	MS ALDROP 300MM	<p>MS ALDROP 300MM:- Providing and fixing with MS Heavy duty300mm ALDROP with welding charges including labour charges etc complete</p>

304004824	MSTOWER BOLT 250MM	MSTOWER BOLT 250MM:- Providing and fixing with 250mm Tower Bolt MS Heavy duty hardware fitting including welding charges labour charges etc.
304004825	6 INCHES SIZE MS BUT HINGES	6 INCHES SIZE MS BUT HINGES:- Providing and fixing with 6INCHES MS BUTT HINGES Heavy duty hardware fitting including welding charges labour charges etc.
304004826	ALUMINUIM DOOR RODS	ALUMINUIM DOOR RODS:- Supply and fixing of aluminuim Aldrop Size (250 x 12.5)mm including labour chrges transportation etc complete
304004827	BARBED WIRE HEAVY GUAGE	BARBED WIRE HEAVY GUAGE:- Supply and fixing of GI Fenceing barbed wire heavy guage including transportation labour chrges ,scaffolding charges etc complete
304004828	POWDER COATED ALUMINUIM SECTION	POWDER COATED ALUMINUIM SECTION:- Supply and fixing of powder coated aluminium partition section size 101.60 x 44.45 x 2.00 mm including labour charges transportation etc complete
304004829	150MM DIA PVC DRAIN PIPE	150MM DIA PVC DRAIN PIPE:- Providing, laying, and jointing 150MM DRAIN PVC PIPE with jointing materials and all specials necessary excavation,&back filling complecte as per specifications and depth up to 1.5Mmake:

304004830	POLY CARBONATE SHEET ROOFING	<p>POLY CARBONATE SHEET ROOFING:- Providing, fabricating and fixing of polycarbonate sheet roofings / weather sheds of any shape over MS tubular frame work as per detailed drawing and specifications as detailed below:a) The weather shed shall be fabricated out of multi layer wall of thicknes mentioned below of "M/s.Sabic GE plastic/Markralon" or "Lexan" make manufactured by M/s GE Plastic India Ltd. or equivalent make and of approved shade and colours. Sheet fixing shall be done with aluminum profile as per detailed section drawings. The clamping profiles shall be consisting of base section and a compatible top section. All aluminum sections shall be powder coated as per detailed schedule of finishes. All the edges of polycarbonate sheets shall be closed with suitable side tape and suitable aluminium sections. The clamping shall have provision for EPDM rubber gasketing for water sealing however silicon sealant shall be used for sealing intersectional joints if any and other vulnerable joints wherever required etc. for all heights and at all levels complete all as directed by Engineer-in-Charge. Rate to include supply and fixing necessary self tapping screws, weather cap, filling joints with silicon sealant, aluminium section for joining sheets, EPDM gasket scaffolding, etc. Note :</p>
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		<p>(i) Payment shall be made on net polycarbonate sheet area (finished area). The overlapping area of sheets etc. will not be paid.</p> <p>(ii) The cost of MS frame will be paid separately elsewhere in the item.</p> <p>(iii) Work has to be carried out upto height of 12.00 mtr. above Ground Level. Cost includes charges for scaffolding required .I) In all shades , colours and all shapes including curved / architectural design. With 6 mm thick curved shade Multi wall Poly carbon sheets.</p>
304004831	PANELLING ON WALLS	<p>PANELLING ON WALLS:- 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 . etc.shall be provided wherever required The wall has 4 wooden fins polished with melamine polish and covered with approved veener as per architects/ARCI suggestion.</p>
304004832	4mm thick WENGE VEENER	<p>4mm thick WENGE VEENER:- Providing and fixing of 4mm thick WENGE VEENER/ Teak veener/smoked sapheli . including melamine polish and the veener also , Including the labour and transporattion, with final finishes with necessary hardware as perarchitects/ARCI suggestion. Make: Green play</p>

304004833	4mm thick WENGE VEENER	<p>4mm thick WENGE VEENER:- Providing and fixing of 4mm thick WENGE VEENER/ Teak veneer/smoked sapheli . including melamine polish and the veneer also , Including the labour and transporation, with final finishes with necessary hardware as per architects/ARCI suggestion. Make: Green play</p>
304004834	REMOVING OF EXISTING BARBED WIRE	<p>REMOVING OF EXISTING BARBED WIRE:- Removing of Existing Barbed wire and disposal of dismantled barbed wire materials up to 2KM lead including scaffolding charges, labor charges etc complete finished item of work</p>
304004835	REMOVING OF A.C SHEET	<p>REMOVING OF A.C SHEET:- REMOVING OF A.C SHEET INCLUDING SCAFFOLDING, LABOUR CHARGES, TRANSPORTATION WITH IN A LEAD OF 1K.M, ETC.</p>
304004836	HIRING OF TRACTOR FOR TRIP WISE	<p>HIRING OF TRACTOR FOR TRIP WISE:- Hiring of Tractor trip wise operation including labour with driver etc for shifting of disposal materials from ARCI Inside to out side scrapyard</p>
304004837	10T ROLLING CHARGES	<p>10T ROLLING CHARGES:- Rolling of the ground with 10T Roller including labour 8hours per day operation and all materials f etc complete</p>
304004838	GRANITE STONE	<p>GRANITE STONE:- Supply and fixing of granite stone including cost and conveyance of all materials, labour charges etc</p>

304004839	RIDGES	RIDGES:- Supply & fixing of the AC sheet RIDGES including cost and conveyance of all materials labour charges etc.
304004840	BITUMEN AND METAL WASHERS	BITUMEN AND METAL WASHERS:- Supply & fixing of the Bitumen and metal washers including cost and conveyance of all materials labour charges etc.

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)**

Sl. No	Document to be Submitted	Online Submission	Manual Submission
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 05 (Five) 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% estimated value (Rs.50 lakhs) of which is from Engineering (Civil) construction works i.e Rs. 25 lakhs, carried out in any of the year over a period of 05 (five) years ending 31.01.2025. (i.e. providing audited balance sheet along with income tax returns)		

6	<p>Proof of similar executed nature of AMC works for last 05 (Five) years ending 31st Jan 2025. Should have either of the following (i.e. attach documentary proof).</p> <ul style="list-style-type: none"> - Three similar nature of works costing not less than Rs.20.00 Lakhs or above <li style="text-align: center;">or - Two similar nature of works costing not less than Rs. 30.00 Lakhs or above <li style="text-align: center;">or - One similar nature of work costing not less than Rs. 40.00 Lakhs or above 		
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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	Tender Fee and 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.		
15.	Tender Fee and EMD		

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 BOQ items 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.**