



**ASSAM PETRO-CHEMICALS LIMITED
NAMRUP**

NOTICE INVITING TENDER

FOR

Annual Civil Maintenance Work at Township & Factory of APL

Tender No.: APL/C&P/Civil/Maint/2022-23/100

HEAD OFFICE:

Namrup, P.O. Parbatpur -786623,

Dist.- Dibrugarh, Assam

Tel: (0374) 2500331/212/518

E-mail: contract@assampetrochemicals.co.in

Website: www.assampetrochemicals.co.in

REGD. OFFICE:

4th Floor, ORION Place, Bhangagarh

Srimanta Sankardev Path, Guwahati-781005

Tel: (0361) 2461470/2461471/246

ASSAM PETRO-CHEMICALS LIMITED

(A Government of Assam Undertaking) | An ISO 9001:2008 Certified Company
CIN- U24116AS1971SGC001339, GSTN: 18AABCA6913A1Z6

Head Office & Factory Site:

Assam Petro-Chemicals Ltd., Namrup, P.O. Parbatpur,
District: Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518, Fax: (0374) 2500231

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Ref No-APL/C&P/Civil/Maint/2022-23/100

Date-25.01.2023

SECTION-I (A)**NOTICE INVITING TENDER**

Assam Petrochemicals Limited (APL) invites tenders from competent & experienced contractors for the under mentioned job in **Single stage Two bid system** comprising Techno-Commercial Bid & Price Bid.

Name of Work	Part	Estimated Cost	Earnest Money	Tender Processing Fees
Annual Civil Maintenance Work at Township & Factory of APL	Part – A	<u>Rs 49,87,889.00</u>	<u>Rs. 99,760.00</u>	<u>Rs 1000.00</u>
	Part - B	<u>Rs 49,81,492.00</u>	<u>Rs. 99,630.00</u>	

BID DOCUMENT ISSUE PERIOD	From 15:00 Hrs on dt. 25.01.2023 up to 15:00 Hrs on dt. 14.02.2023
LAST DATE OF BID SUBMISSION	Up to 15.00 Hrs on dt. 14.02.2023
BID OPENING DATE	At 15.00 Hrs on dt. 15.02.2023
BID SUBMISSION	In e-tendering portal https://assamtenders.gov.in/nicgep/app
AVAILABILITY OF TENDER DOCUMENTS	1. https://assamtenders.gov.in/nicgep/app 2. www.assampetrochemicals.co.in

Sd/-
Managing Director

SECTION-I (B)

PREFACE

Assam Petro-Chemicals Limited (APL) was conceived for productive utilization of natural gas, which was being flared up in the Upper Assam oil fields. Only a small quantum of natural gas was then used in fertilizer industry and power generation. To prevent this colossal wastage, the company was set up by Government of Assam with joint participation of Assam Industrial Development Corporation Ltd (AIDC) and the public. Incorporated in 1971, the company was a pioneer in the field as it was the first to manufacture petrochemicals in India using natural gas as feedstock. It started with a small Methanol plant with Formalin and a few Urea Formaldehyde resins as downstream projects with technology supplied by Mitsubishi Gas Chemicals Co. Inc, Japan. Commercial production began in 1976. To augment its capacities to meet increasing demand for its products, a bigger Methanol plant with 100TPD capacity was commissioned in 1989 with technology supplied by ICI, UK and a 100 TPD Formaldehyde Plant in 1998 with technology from Derivados Forestales of Netherlands which was then revamped to 125 TPD in the year 2012.

Assam Petro-Chemicals Ltd. is now implementing a mega project of 500TPD Methanol and 200 TPD Formaldehyde plant as an expansion project of the company at a total cost of Rs. 1337 crore. Implementation of the 500 TPD Methanol project is going on at the adjacent plot of existing plant at Namrup in Dibrugarh district of Assam. Implementation of 200 TPD Formalin project is about to start at Boitamari in Bongaigaon District. Governor of Assam, Oil India Limited and Assam Gas Company Limited are investing in equity capital for implementation of 500 TPD Methanol and 200 TPD Formalin project. Government of Assam alongwith Assam Gas Co. Ltd and AIDC Ltd. will hold 51% of shares and Oil India Ltd. will hold 49% of the equity capital of the company.

The company (APL) intends to appoint a Chartered Accountant / Cost Accountant Firm for conducting internal audit of the functions and all activities of the company for the Financial Year 2022-23. The firms are therefore requested to send their Proposal as per the Terms of Reference described in Sections II, III & IV.

SECTION-I(C)

1. BIDDERS QUALIFICATION CRITERIA(BQC)

1.1 TECHNICAL

1. Contractors desirous of bidding for the job should possess required experience in successfully executing Annual Civil Maintenance works of similar nature during the last **five years**. (Experience in Annual Civil Maintenance works of similar nature imply Civil maintenance , Repairing & Petty natured works(Building) in PSUs, Govt. Organizations, semi Govt. sector & large private sector companies).
2. To be eligible, the contractor should have successfully executed either one similar job having executed value of not less than 80% of estimated cost or two similar jobs, each having executed value not less than 50% of estimated cost or three similar jobs, each having executed value not less than 40% of estimated cost.
3. The contractor should be in possession of necessary manpower, tools, plants, equipments & machineries required for carrying out the job.

1.2 COMMERCIAL

1. To be eligible, the contractor should have a sound financial background and average annual turnover for the last three financial years, ending 31st March viz. **2021-2022, 2020-2021, and 2019-2020** should not be less than the amount equivalent to **30%** of estimated cost.
2. The bidder shall have earned a net positive profit for the last three consecutive years.
3. The financial net worth of the bidder as per latest audited annual report shall be positive.
4. The contractor should be registered under GST, Income Tax & EPF authorities
5. The Vendor should also fulfil all statutory conditions and furnish legible photo copies of Electrical Licence, PAN/TAN No ,. As per Govt. Rules

2. AWARDDING METHODOLOGY

- 2.1 The bidders can quote either for Part-A or Part-B or for both Parts. Parts-A and Part-B of the tender shall be awarded to two different bidders. One bidder will be awarded one part only. APL shall award the two parts to two different bidders on least cost combination basis to APL as detailed in the bidding document.
- 2.2 If One bidder is L-1 for both the parts he will be awarded for the part which is higher in contract value .

SECTION-I(D)**TENDER DOCUMENT**

Tender /NIT Number	Date
APL/C&P/Civil/Maint/2022-23/100	25.01.2023

APL invites sealed tenders for the following job as per the details below:

Type of Bid	OPEN TENDER
Bidding type	SINGLE STAGE TWO BID

A. SCOPE OF CONTRACT

The Works Tender for “**Annual Civil Maintenance Work at Township & Factory, ANNUAL MAINTENANCE CONTRACT 2023-2024** will be executed on Item Rate(**percentage wise**) basis. The tender will be executed through 2 (two) separate contracts for “**Part - A** (Staff quarters, school, namghar, etc.) and **Part - B** (Factory Premises, Executive Quarters, Office Building & Other Utility Buildings) ‘’.

The tender is prepared in two parts:

Part A: Annual Civil Maintenance Works like Repairing , Maintenance & petty natured Work

for APL’s Staff quarters, School, Namghar, etc. under Annual Maintenance Contract 2023-24.

Part B: Annual Civil Maintenance Works like, Repairing , Maintenance & petty natured Work for APL’s Factory premises, Executive quarters, office building and other utility buildings etc. under Annual Maintenance Contract 2023-24.

The entire work covered in this document shall be executed over period of twelve (12) months starting from 10th day after award of contract (issue of LOI).

The rates agreed shall be firm for contract period plus grace/extension period

B. TENDER FEE.

Tender Fee of **Rs.1000/- (Rupees One thousand)** only shall be paid online in the e-tendering portal as processing fees which is non refundable.

Scan copy of Tender Fee document (DD/BC) to be attached along with Technical Bid and the hard copy of the same has to reach at the Office Chamber of Dy General Manager (C&P.) within 7 (seven) days from the date of opening of Technical Bid.

EARNEST MONEY DEPOSIT (EMD):

1. The Bidder shall furnish Earnest Money Deposit (EMD) of Rs. **Rs. 99,760.00/-** only for Part A and **Rs. 99,630.00 for Part-B** (Total – **Rs. 1,99,390.00/-** for participation in both part) only by Netbanking/RTGS/NEFT or Bank guarantee in favor of **ASSAM PETROCHEMICALS LTD** payable at **NAMRUP** as earnest money along with their offer. Bank Guarantee Format is provided in Annexure-I. After acceptance of order by Vendor / Bidder(successful bidder), APL shall return the EMD to all unsuccessful bidders. EMD shall bear no interest.
2. Scan copy of EMD document (DD/BC) to be attached along with Technical Bid and the hard copy of the same has to reach Civil Engineering Section within 7(seven) days from the date of opening of Technical Bid. However, if any bidder wants to apply for a single Part, they may pay the EMD of that part only as mentioned above and the same has to mention in the Technical Bid. In case the Bidders wants to participate in any one Part, Self declaration specifically mentioning the said Part should be submitted along with the Technical Bid
3. With reference to the order of Ministry of MSME, under the public procurement Policy March, Micro and small Enterprise(MSE) shall be entitled for relaxation subject to conditions as under:
MSE bidders must submit valid registration certificates for similar works from any of the following (or any other body specified by the Ministry of MSME) for exemption of EMD as applicable:
(i) National Small Industries Corporation (NSIC).
(ii) District Industries Centres (DIC).
(iii) Coir Board.
(iv) Khadi and Village Industries Board (KVIB).
(v) Directorate of Handicrafts and Handloom.
(vi) Udyog Aadhar Memorandum.

C. BID VALIDITY PERIOD.

The offer should be valid for minimum **180 (one hundred eighty)** days from the date of opening of Technical Bid.

D. SECURITY EPOSIT

The contract performance security shall be **10% of Total Order / Contract Value** (exclusive of GST) towards faithful performance of the contractual obligations and must be valid for **03 months** beyond the defect liability period/warranty period. For the purpose of

Contract Performance Security, Contract/order value shall be exclusive of taxes and duties as per ITB of tender document.

Or

Initial security deposit (ISD) @ 2.5% of Total Order / Contract value (exclusive of GST) within 30 days of FOA / notification of award and deduction @ 7.5% of the RA bill subsequently from RA bills till the total amount of security deposit (including ISD and deducted amount) reaches 10% of Total Contract value (without GST therein) towards faithful performance of the contractual obligations and must be valid for 3 months beyond the defect liability period/warranty period. For the purpose of Contract Performance Security, Contract/order value shall be exclusive of taxes and duties as per ITB of tender document

E. PREPARATION OF TENDER.

1. **Pricing information shall NOT be included in the technical part of the Tender. Tenderers shall ensure that no pricing information of any type is shown in their technical Tender. The inclusion of pricing information in any place other than the price Bid /percentage FORM summery of price will result in rejection of the Tender.**
2. All the papers of the tender should be signed and sealed by the authorized signatory of the Bidder.
3. The prices quoted shall be firm.
4. Any amendment or modification of Tender documents will be notified in the website <http://www.assamtenders.gov.in> and www.assampetrochemicals.co.in The same will be binding on the Bidders. APL may, at its discretion, extend the date of submission of tender.
5. Bidders are advised to ensure that their bids are complete in all respects and conform to bid evaluation criteria of the tender, for avoiding rejection of their offers.
6. Bidders are advised not to take any exception / deviations to the bid document. Still, if exceptions / deviations are maintained in the bid, such conditional / non-conforming bids may be rejected outright.
7. The bidder should provide name of contact person, contact phone number, E-mail address and correspondence address along with the Technical Bid.
8. The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the Bidder, shall be written in English language.
9. The bidder must submit copy of PAN and GST Registration Certificate etc. as required issued by the appropriate Govt. Authority.
10. All corrections and alterations, if any, in the entries of tender paper shall be signed in full and sealed by the Bidder with date. No erasers or overwriting are acceptable.

F. TENDER SUBMISSION.**1) SALIENT FEATURES OF ONLINE SUBMISSION OF BID**

Sl. No	Description	Remarks
a)	Bid type	Single stage Two bid
b)	Bid Documents Issue Period	From 15:00 Hrs on dt. 25.01.2023 up to 15:00 Hrs on dt. 14.02.2023
c)	Last Date and time for submission of Bids (DUE DATE)	Up to 15:00 Hrs on dt. 14/02/2023
d)	Place of Submission of Hard Copy of Techno-Commercial Bid excluding Price Bid	Dy.General Manager (C&P), Mob. No. +91-94351 39178 Email-borah.nb@assampetrochemicals.co.in Assam Petrochemicals Limited P.O. Parbatpur, Namrup Dist. Dibrugarh, Pin – 786623, Assam (India)
e)	Opening of Bid.	15:00 Hrs on dt. 15/02/2023
f)	Contact Person with details for any clarifications	Mr. Nava Bikash Borah DGM(C&P) Email : borah.nb@assampetrochemicals.co.in
g)	Bid Validity	180 days from the DUE DATE or EXTENDED DUE DATE, if any.
h)	Total Estimated Cost	-
i)	Tender Processing Fees	Rs 1000.00
j)	Earnest Money Deposit (EMD)	For Part-1 (Rs. 99,760.00) For Part-2 (Rs. 99,630.00)
k)	Bid Submission	Online in e-tendering portal https://assamtenders.gov.in/nicgep/app
l)	Availability of Tender Documents	1. https://assamtenders.gov.in/nicgep/app 2. www.assampetrochemicals.co.in

2) ONLINE SUBMISSION : Files containing documents to be uploaded in e-tendering portal are as under:

Cover No. 1	1. EMD + Integrity Pact	PDF File
	2. Un-priced Bid	PDF File
Cover No. 2	1. Price Bid	Microsoft Excel File

3) OFFLINE SUBMISSION : Hard copies of to be submitted are as under:

Envelope No	Contains	Marking
Envelope No. 1	Envelope No. 2 + Envelope No. 3	Marked on the top of the Envelope with Tender No & Work Description
Envelope No. 2	EMD + Integrity Pact	- do -
Envelope No. 3	Un-priced Bid	- do -

Note : Price Bid or Price related information should not be submitted along with documents submitted in hard copy. If submitted the Bid will be rejected.

4) The hard copies of the bids is required to be submitted within 7(seven) days from the Bid due date and send to the address given below:

**To
The Deputy General Manager (C&P)
Assam Petrochemicals Limited,
Namrup, P.O. Parbatpur
Dibrugarh, Assam, Pin 786623**

5) Bidder shall strictly follow above mentioned bid submission procedure, failing to which may lead to rejection of bids.**G. INCOME TAX AND GST**

- Income tax at the prevailing rate shall be deducted from the BIDDER's bills as per Income Tax Act. OWNER shall issue necessary TDS Certificate to the BIDDER.
- The quoted price shall be deemed to be inclusive of all taxes and duties except "Goods and Service Tax" (hereinafter called GST) (i.e. IGST or CGST and SGST / UTGST applicable in case of interstate supply or intra state supply respectively.)**
- Bidder /vendor shall be required to issue tax invoices in accordance with GST Rules so that input credit can be availed by OWNER / APL. In the event that the bidder / vendor fails to provide the invoice in the form and manner prescribed under the GST Act read with GST Invoicing Rules there under, OWNER / APL shall not be liable to make any payment against such invoice.
- GST shall be paid against receipt of tax invoice and proof of payment of GST to government in India or upon the same being reflected in the GST portal of the APL to the satisfaction of APL. In case of non- receipt of tax invoice or non-payment of GST by the bidder / vendor, OWNER / APL shall withhold the payment of GST.
- GST payable under reverse charge , if any shall not be paid to the bidder /vendor but will be directly deposited to the government of India.

6. Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the GST charged by the Bidder/ Vendor is denied by the tax authorities to OWNER / APL due to reasons attributable to Bidder /Vendor, OWNER / APL shall be entitled to recover such amount from the Bidder/Vendor by way of adjustment from the next invoice or from Bank Guarantee . In addition to the amount of GST, OWNER / APL shall also be entitled to recover interest at the rate of 24% and penalty. In case any penalty is imposed by the tax authorities on OWNER / APL.
7. TDS under GST, if applicable, shall be made from bidder's /Vendor's bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the bidder /Vendor.
8. No variation on account of taxes and duties, statutory or otherwise, shall be payable by Client to bidder/vendor except for GST. However, any statutory variation for GST shall be payable up to contractual date of completion against documentary evidence. Any reduction in taxes and duties included in the price shall be passed on to OWNER / APL.
9. Any new taxes, duties, cess, levies notified or imposed after the submission of last/ final price bid but before the contractual date of completion of work shall be to OWNER / APL's Account. However, in case of delay in completion period beyond the contractual date, for reasons attributable to bidder, any increase in these rates shall be borne by the bidder, whereas any decrease shall be passed on to the owner. OWNER shall take CENVAT benefit as applicable.
10. Any other provisions in the GST not mentioned above will be sou-motto applicable.

H. BIDDERS WHO CAN BID

1. Parties who are affiliates of one another can decide which affiliate will make a bid. Only one affiliate may submit a bid. Two or more affiliates are not permitted to make separate bids directly or indirectly. If 2 or more affiliates submit a bid, then any one or all of them are liable for disqualification. However up to 3 affiliates may make a joint bid as a consortium, and in which case the conditions applicable to the consortium, and in which case the conditions applicable to a consortium shall apply to them.
2. "Affiliate" of a party shall mean any company or legal entity which:
 - a) Controls either directly or indirectly a party, or
 - b) Which is controlled directly or indirectly by a party, or
 - c) Is directly or indirectly controlled by a company, legal entity or partnership which directly or indirectly controls a party. "Control" means actual control or ownership of at least a 50% voting or other controlling interest that gives the power to direct, or cause the direction of, the management and material business decisions of the controlled entity.
3. Bid may be submitted by:
 - a) A single person / entity (called sole bidder)

- b) A newly formed incorporated joint venture (JV) which has not completed 3 financial years from the date of commencement of business.
 - c) A consortium (including an unincorporated JV) having a maximum of 3 (three) members;
 - d) An Indian arm of a foreign company.
4. Fulfillment of pre-qualification Criteria and certain additional conditions in respect of each of above 4 types of bidders stated below, respectively:
- a) The sole Bidder (including an incorporated JV which has completed 3 financial years after date of commencement of business) shall fulfill each pre-qualification criterion.
 - b) In case the bidder is a newly formed and incorporated joint venture and which has not completed three financial years from the date of commencement of business, then either the said JV shall fulfill each eligibility criteria or any one constituent member / promoter of such a JV shall fulfill each eligibility criteria. If the bid is received with the proposal that one constituent member / promoter fulfils each eligibility criteria, then this member / promoter shall be clearly identified and he/it shall assume all obligations under the contract and provide such comfort letter / guarantees as may be required by owner. The guarantees shall cover inter alia the commitment of the member / promoter to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the JV to ensure completion of the contract when awarded, and undertaking not to withdraw from the JV till completion of the work, etc.
 - c) In case the bidder(s) is / are a consortium (including an unincorporated JV), then the following conditions shall apply:
 - i. Each member in a consortium may only be a legal entity and not an individual person;
 - ii. The bid shall specifically identify and describe each member of the consortium;
 - iii. The consortium member descriptions shall indicate what type of legal entity the member is and its jurisdiction of incorporation (or of establishment as a legal entity other than as a corporation) and provide evidence by a copy of the articles of incorporation (or equivalent documents);
 - iv. One participant member of the consortium shall be identified as the “prime member” and contracting entity for the consortium; this prime member shall be solely responsible for all aspects of the bid / proposal including the execution of all tasks and performance of all consortium obligations;
 - v. The prime member shall fulfill each eligibility criteria;
 - vi. A commitment shall be given from each of the consortium members in the form of a letter signed by a duly authorized officer clearly identifying the role of the member in the bid and the member’s commitment to perform all relevant tasks and obligations in support of the prime / lead member of the consortium and a commitment not to withdraw from the consortium till completion of all ENQUIRY obligations;
 - vii. No change shall be permitted in the number, nature or share holding pattern of the consortium members after pre-qualification, without the prior written permission of the owner.
 - viii. No change in project plans, timetables or pricing will be permitted as a consequence of any withdrawal or failure to perform by a consortium member;

- ix. No consortium member shall hold less than 25% stake in a consortium;
 - x. Entities which are affiliates of one another are allowed to bid either as a sole bidder or as a consortium only;
 - xi. Any person or entity can bid either singly or as a member or only one consortium.
- d) In case the bidder is an Indian arm (subsidiary, authorized agent, branch office or affiliate) of a foreign bidder, the foreign bidder shall have to fulfill each eligibility criteria. If such foreign company desires that the contract be entered into with the Indian arm, then a proper back to back continuing (parent company) guarantee shall be provided by the foreign company clearly stating that in case of any failure of any supply or performance of equipment, machinery, material or plant or completion of the work in all respects and as per the warranties / guarantees that may have been given, then the foreign company shall assume all obligations under the contract. Towards this purpose, it shall provide such comfort letter / guarantees as may be required by owner. The guarantees shall cover inter alia the commitment of the foreign company to complete the entire work in all respects and in a timely fashion, being bound by all obligations under the contract, an undertaking to provide all necessary technical and financial support to the Indian arm or to render the same themselves so as to ensure completion of the contract when awarded, an undertaking not to withdraw from the contract till completion of the works, etc.

I. REQUIREMENTS OF E-TENDERING

1. The subject tender is an e-tender and owner has hoisted the complete tender documents on website [https:// https://assamtenders.gov.in/nicgep/app](https://assamtenders.gov.in/nicgep/app) and has ensured its availability for downloading the full set comprising of the above. The bidder is expected to download the complete tender documents **including all addendum/corrigendum** only from the above mentioned website i.e. <https://assamtenders.gov.in/nicgep/app>, as per the index of the tender, fully read and understood the same and submit their acceptance to all tender terms and conditions except deviations, if any. Bidder may note that Schedule of rates attached with the tender documents is to be filled in the BOQ (Financial Price Bid Part – II).
2. The tenderer is expected to examine the tendering documents, including all instructions, specifications/drawings (if any) including all addendum/corrigendum in the tendering document. Failure to furnish all the information required by the tendering documents or submission of tender not substantially responsive to the tendering document in every respect shall result in the rejection of the tender.
3. The bidding documents are and shall remain the exclusive property of APL without any right of the Bidder to use them for any purpose except bidding and for use by successful Bidder with reference to the work.
4. Any person/ bidder downloading the tender document from Owner's web site or purchasing shall do so in strict confidence and shall not part with possession thereof or copy or disclose the provision thereof or any of them or disclose or take copies or tracings of any drawings, plans or routes forming part thereof, it being understood that the information therein are confidential and that the tender documents have been downloaded by the eligible bidder solely for the purpose of bidding.

5. Bidders are requested to read the document (Special Instruction to Bidders for Participating in e-tender) SITB available on the moving scroll of the website <https://assamtenders.gov.in/nicgep/app> and a copy of the same is also provided along with tender document. Moreover bidders are requested to follow the instructions under “Bid Submission process” under “**Bidders manual Kit**” section available in the homepage at the website.
6. The bidder shall submit their offer through e-tendering site as mentioned above, following the steps in the e-tendering portal. Physical hard copies of Techno commercial bids (Part 1) along with the EMD may be send to the under noted address on or before the Bid closing date & time.
7. The Owner shall not be responsible for delayed submission of offers or non-submission of offers due to any reason whatsoever. The responsibility of ensuring online & on-time submission of their offers lies entirely with the bidders. The bidders are requested to submit the bid online much before date and time of submission, failing which APL shall not be responsible for any such technical problem.
8. In order to bid for APL e-tenders, all the agencies are required to REGISTER in Assam Tender Portal & obtain a legally valid Class-II & above Digital Signature Certificate (DSC) for their user who is authorized to submit bids on-line from the licensed Certifying Authority (CA). Bidders already possessing the digital signature issued from authorized CAs can use the same in this tender. Further, the bidder should ensure that the email address given in the Registration Form is valid & active as all the communications will be made through this e-mail. For any problem on e-tendering process kindly contact as per details given in Special Instructions to Bidders (SITB) for e-tendering.
9. On no account will any person to whom bidding documents are furnished, part with possession thereof or copy or disclose the provisions thereof or any of them or disclose or take copies of tracings or of any drawing, plan or route forming part thereof, it being understood that the information therein is confidential, and that the bidding documents are therefore being furnished only to bidders in strictest confidence.
10. The details as called for in the bidding documents shall be filled and completed by the Bidders in all respect and shall be submitted with requisite information and Appendixes/ Annexure.
11. If the space in any Performa of bidding document is insufficient, additional pages shall be separately added. These shall be page numbered and shall also carry the bidding document number and shall be signed by the Bidder and entered in the Index for Bid.
12. Bidder shall clearly indicate their legal constitution and the person signing the bid shall state his capacity as also the source of his ability to bind the Bidder. The Power of Attorney or Authorization or other document constituting adequate proof of the ability of the signatory to bind the Bidder, shall be annexed to the bid. APL may reject outright any bid unsupported by adequate proof of the signatory’s authority.
13. The successful bid submission can be ascertained once acknowledgement is given by the system through bid submission number after completing all the process & steps. **Users may also note that the incomplete bids will not be saved by the system and are not available for processing and evaluation.**
14. Agencies are advised to digitally sign the documents that are uploaded and encrypt the file data before submitting to the e-tendering portal of Assam Government e-

procurement portal by following the given procedure on-line mentioned in the e-portal site. The bid shall be digitally signed by someone legally authorized to enter into commitment on behalf of the Bidder. Bidder shall upload among other documents, Power of Attorney in favour of the person who is authorized to enter into commitments on behalf of the Bidder.

15. APL will not be bound by any Power of Attorney granted by the Bidder or changes in the constitution of the firm made subsequent to submission of the bid or after the award of the contract. APL may, however, recognize such Power of Attorney and changes after obtaining proper legal advice, the cost of which will be borne by the Bidder.
16. The cancellation of any document such as Power of Attorney, Partnership Deed, etc. should be communicated by the Bidder to APL in writing well in time, failing which APL shall have no responsibility or liability for any action taken by APL on the strength of the said documents.
17. Should the Bidder have a relative or relatives in APL or one or more of its shareholders are employed in a superior capacity in APL, the relevant authority inviting bids shall be informed of the facts at the time of submission of the bid, failing which the bid may be disqualified or if such fact subsequently comes to light, APL reserves the right to take any other action as it deems fit in accordance with any applicable law, Rules, Regulations of the like in force.
18. Bidders/Agencies shall ensure submission of complete information/documentations in the first instance itself. APL reserves the right to complete the evaluation based on the details furnished by the agencies without seeking any subsequent additional information. Bids not in compliance with Bidding Document or with incomplete information documents are liable for rejection.
19. Canvassing in any form by the Bidder or by any other agency on their behalf may lead to disqualification of their Bid.
20. Unsolicited clarifications to the offer and / or change in the prices during the validity period would render the bid liable for rejection.

J. BID REJECTION CRITERIA:

The bidders shall adhere to the following provisions of the Bidding Document without taking any deviations, failing which the Bid shall be considered to be non-responsive and may be rejected.

1. Non-Submission of EMD & Integrity Pact along with the Bid if applicable
2. Submission of Prices or rates in SOQ / SOR in un-priced bid.
3. Non-Submission of Important Bid Documents as mentioned.
4. Not Meeting the Qualification criteria
5. Non-Acceptance of Any provision as mentioned in the NIT under which the bidder can be rejected.

K. IMPORTANT DOCUMENTS TO BE SUBMITTED WITH THE BID:

1. EMD of required amount./MSME certificate for EMD exemption

2. Work orders & completion certificates to comply the Bidder's qualification criteria.
3. Copy of PAN card, GST Registration No, EPF Registration No
4. Income Tax return, Balance Sheet & Profit Loss Statement for last three financial year for last three financial years.
5. Documents in support of Annual Turnover for last three financial years i.e. 2022-21, 2021-20, 2020-19

L. AMENDMENT OF BIDDING DOCUMENTS:

- a. At any time prior to the deadline for submission of bids as well as up to priced bid opening, APL may, for any reason whether at its own initiative or in response to a clarification or modification requested by any prospective Bidder(s), modify the Bidding documents.
- b. The modifications/amendment will be notified through Addendum / Corrigendum to bidders. Bidders shall confirm the inclusion of Addendum / Corrigendum in their bid and shall follow the instructions issued along with addendum / corrigendum.
- c. Bidders shall examine the Bidding documents thoroughly and inform APL of any apparent conflict, discrepancy or error, so that APL may issue appropriate clarification(s) or amendment(s), if required
- d. All Addendum / Corrigendum will be available in the website <https://assamtenders.gov.in/nicgep/app> and www.assampetrochemicals.co.in

M. TECHNO-COMMERCIAL EXAMINATION OF BIDS:

APL will examine or cause to be examined the bids to determine whether they are complete, whether the documents have been properly signed, and whether the bids are generally in order.

APL will determine to its subjective satisfaction whether the bidder has submitted a responsive bid and is qualified to satisfactorily perform the work, and such determination shall not be open to question.

The determination will also take into account the bidder's financial and technical capabilities, as well as such other qualifications as APL deem necessary and appropriate.

Bidder(s) techno-commercially accepted will only be communicated for price bid opening.

Bidder(s) who qualify for the award of contract as per criteria of this BID will only be communicated for the award of contract & subsequent LOI / WO will be issued to them.

N. REBATE:

No suo-moto reduction in price(s) by bidders is permissible after opening of the bid. If any Bidder unilaterally reduces the price(s) quoted by him in his bid after opening of bids, such reduction shall not be considered for comparison of prices but shall be binding on the Bidder if he happens to be selected for award of work.

O. CLIENT'S RIGHT TO ACCEPT/REJECT BIDS:

APL reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to award of Contract without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the ground of APL's action.

APL shall not be obliged to award the Order / Contract to the lowest evaluated bidder if APL apprehends that it will not be in the interest of APL to award the Order / Contract at the lowest evaluated price or to the lowest evaluated bidder.

P. ORDER OF PRECEDENCE

The following order of precedence shall be followed in case of any conflict between various parts of the ENQUIRY specifications:

- i. Corrigendum, if any
- ii. Instructions to Bidders
- iii. Terms & Conditions for Annual Maintenance Contract.
- iv. General Conditions of Contract

Q. JURISDICTION

- a) The Contract shall be governed by and construed in accordance with the law of India as well as the state of Assam. The courts at Dibrugarh/Guwahati, Assam, shall have exclusive jurisdiction over all disputes arising under or in connection with the Contract

R. PAYMENT TERMS.

- i. No advance will be paid
- ii. 90% of completed job (against R/A / final bill) will be paid.
- iii. 10% will be retained till guarantee period.
- iv. Payments will be made against Running Accounts bills certified by the Owner's Engineer-in-Charge/Site-in-Charge within 15 days from the date of receipt of the certified bill along with complete documents by the disbursement section of the owner.
- v. Running Account Bills and the final bill shall be submitted by the Contractor together with the duly signed measurements sheet(s) to the Engineer-in-Charge/ Site-in-Charge of the Owner in quadruplicate for certification. The Bills shall also be accompanied by quantity calculations in support of the quantities contained in the bill along with cement consumption statement, actual/theoretical ,royalty statement along-with necessary documents wherever applicable duly certified by the Engineer-in-Charge/ Site-in-Charge of the Owner.
- vi. All running account payments shall be regarded as on account payment(s) to be finally adjusted against the final bill payment. Payment of Running Account Bill(s) shall not determine or affect in any way the rights of the Owner under this Contract to make the final adjustments of the quantities of material, measurements of work and adjustments of amounts etc. in the final bill.
- vii. The final bill along with necessary documents shall be submitted by the Contractor within one month of the date of completion of the work fully and completely in all respects. If the

Contractor fails to submit the final bill accordingly Engineer-in-Charge / Site-in-Charge may make the measurement and determine the total amount payable for the work carried out by the Contractor and such a certification shall be final and binding on the Contractor.

- viii. The Owner/Engineer- in-Charge/Site-in-Charge may take the assistance of an outside party for taking the measurement, the expenses of which shall be payable by the Contractor.
- ix. Payment of final bill shall be made within 30 days from the date of receipt of the certified bill with necessary documents by the Disbursement Section of the owner.
- x. Wherever possible, payment shall be tendered to the contractor in electronic mode (e-payment) through any of the designated banks. The contractor will comply by furnishing full particulars of Bank account (mandate) to which the payments will be routed. Owner reserves the right to make payment in any alternate mode also.

S. RESERVATION AND TERMINATION OF CONTRACT

- 1. Assam Petro-chemicals Limited (APL) does not bind itself to accept the lowest tender and reserve the right to accept / reject / split any or all the tender without assigning any reason whatsoever.
- 2. APL reserves the right to amend or modify the terms of the Contract or keep in abeyance the execution of this Contract.
- 3. The Contract may be terminated at any time by either party without indicating any reason by giving thirty (30) days prior Notice in writing of its intention to do so to the other party.
- 4. In case of unsatisfactory performance of the contractor, APL solely reserves the right to terminate the Contract by giving thirty (30) days Notice.

T. OTHER TERMS & CONDITIONS.

- 1. The bidder should quote their rates in **Price Bid/ percentage FORM summary of price** shall be exclusive of GST but inclusive of all other taxes, including any cess, surcharge, or levy/tax by whatever name called, imposed under the prevailing law.
- 2. No interest will be payable on the Earnest Money or Security Deposit or any other amount payable to the Supplier under this Contract.
- 3. Bidder shall bear all costs and expenses associated with the preparation and submission of bid. Assam Petro-chemicals Limited, hereinafter referred to as Company, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

4. Bidders must quote clearly and strictly in accordance with the Price Bid/ **percentage FORM summery of price** uploaded in the **website** <http://assamtenders.gov.in> otherwise the bid will be rejected. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
5. Conditional bids are liable to rejection at the sole discretion of the Company.
6. Applicability of Law & Jurisdiction: The **contract** shall be governed and interpreted in accordance with the applicable laws of India as well as the state of Assam and Dibrugarh Courts in the State of Assam shall have exclusive Jurisdiction.

Sd/-

MANAGING DIRECTOR

SECTION-2(A)

I. CONTRACT VARIABLES

1. The contract shall be valid for a period of one year starting from the date of LOI. However, after completion of six (6) months, performance of the contractor shall be reviewed and, if found unsatisfactory, the contract may be terminated.
2. After the expiry of initial one year contract period, extensions may be given for periods of 01(one) year duration up to a maximum total duration of three (3) years inclusive of the initial one year period with same terms& conditions as well as rates as stipulated in tender document, work order, &SoR. Such extension of contract shall be offended, only if the performance of the contractor during the concluded contract period is found to be satisfactory by the owner (APL).

The rates agreed shall remain firm for a period of three (3) years from the date of LOI.

3. APL shall issue basic construction materials like cement, CGI sheet etc. to the contractor depending on availability of these items at owner's store. Cost of such materials issued by APL shall be recovered from contractor's bill at rates stipulated in the section 4A (Preamble to the Schedule of Rates) of this contract document.
4. APL may, at its discretion, decide to enhance / reduce the issue prices of above stated basic materials at any point of time during the execution of this contract. In the event of such an enhancement/reduction being imposed, proportionate increment/curtailment in rates of relevant items of work shall be offended to the contractor.
5. A mobilization period of 10 days maximum from the date of LOI shall be allowed. After which the contractor should be in a position to start actual execution of work.
6. For execution of specific jobs under this contract, separate job cards shall be issued to the contractor. Start date and completion period for the set of jobs under a job card shall be specifically mentioned in the job card.
7. In the event the works being delayed beyond agreed completion date due to reasons attributable to the owner, the contractor shall agree to a mutually agreed "Grace Period"
8. In case the job is delayed beyond the stipulated completion period (mentioned in job card) due to negligence, poor workmanship, deployment of unskilled manpower or any other reason whatsoever on contractor's part, a penalty at the rate of 1% per week works value limited to maximum of 10% shall be recovered from the contractor's bill.

Moreover, in the event of delay/failure to execute the assigned job by Part-A bidder under AMC, than APL reserved the right to get the job done from Part-B bidder or vice-versa . The performance of the bidder who fails to execute their assigned jobs will be recorded.

9. The work carried out by the contractor shall be guaranteed for a period of twelve (12) months from the date of completion. During this guarantee/defect &liability period if any

executed items of work/items etc(performed under the contract) got damaged/defected than the contractor should rectify/repair/replace or redoing the same with free of cost / at his own cost to the acceptable standard .10% of the RA/Final bill value payable to contractor shall be retained as security deposit and shall be released after completion of this guarantee period.

10. The estimated contract value shall be subject to a variation as actual executed quantity of any of the items of work might vary from the estimated quantity as per practical conditions encountered. However, irrespective of any variation in quantity of individual items, the rates shall remain unaltered.
11. Extra work rates will be derived from similar items rates and where these are not available the rates will be derived from basic rates (including labour and material) with overhead and profit of 20% maximum.
12. R/A bills shall be prepared at the end of every two months (bimonthly) on the basis of actual work done for release of payment to contractor. In case of undue delay in preparation of bill, interim payment may be released to contractor based on certification by APL's Engineer in-charge and after necessary approval from competent authority.
13. The terms of payment shall be based on delivery criteria mutually agreed.
14. In the event of any difference arises between the above mentioned terms& conditioned and the GDCC (General directions and Condition of Contract) of APL, the GDCC shall prevail.

SECTION 2(B)**TIME SCHEDULE**

The entire work covered in this document shall be executed over period of twelve (12) months starting from 10th day after award of contract (issue of LOI).

Major milestone dates for various Systems/Sections.

Sl. No.	System	Completion period/ Date
1	Mobilization at site	
2	Start Construction activity	
3	Virtual Completion	

I accept to adhere to the Time Schedule, as above.

SEAL OF TENDERER

SIGNATURE OF TENDERER

Note: Enclose separate page, if necessary. Additional page appended must bear the signature & seal of bidder.

SECTION 3**PREAMBLE TO SCHEDULE OF RATES**

1. The Schedule of Rate is to be read with all the other sections of this tender document i.e. Contract Variables, Special Conditions of Contract, Specifications etc. The Contractor is deemed to have studied all the documents and acquainted himself with the site and other conditions prevailing at site and to have acquainted himself with the details of work to be done and the manner in which it is to be carried out within quoted rates and within the “Time schedule” for completion.
2. The quantities set down against items of work are only approximate and subject to variations either item wise or in total and any increase or decrease in quantity shall not form the basis for alteration of the rates quoted and accepted by the contractor.
3. Priced Bid of the bid, strictly as per the format uploaded in the e-tender portal and no stipulation, overwriting, deviation, terms & conditions, presumption, basis etc. shall be stipulated in Priced bid. APL shall not take cognisance of any such statement and may at their discretion reject such Priced Bid.

Bidder shall submit the Summary of Price FORM SP-0 strictly as per pro forma quoting percentage increase (+) or decrease (-) without any stipulation, overwriting, deviation, terms & conditions, presumption, basis etc.

Bidder shall clearly indicate increase as (+) and decrease as (-). In absence of same, it shall be considered as (+) and prices shall be evaluated accordingly.

The Price quoted by Bidders in Percentage FORM Summary of Price (For Part-A) and (For Part-B) shall be considered for the purpose of evaluation. Bidder shall quote up to two decimal places only.

4. Any uncalled for lump-sum/percentage or ad hoc reduction/increase in prices offered by the Bidders after opening of prices, shall not be considered. However, if reduction is from the recommended Bidder; such reduction shall be taken into account for arriving at the contract value and not for evaluation purpose.
5. In case of Tie between two or more Bidders at L-1 Position, all the L-1 bidders shall be asked to submit discount over previous quoted rate in a sealed envelope(Un-priced and priced). The process shall be repeated till final L-1 position established.

Conditional discount, if offered, shall not be considered for evaluation/award.

6. It is the intent of the contract that all works shall be measured item wise upon completion and shall be paid for at the rates quoted and accepted by the contractor, against completed work.
7. All items of work in the Schedule of Rates shall be carried out as per the specification and instructions of the Owner / Consultant. The rates shall provide for all, but not limited to, the under mentioned expenses as called for in the detailed specifications and conditions of contract – cost of supply of required materials, consumables etc., cost of skilled and unskilled labour, cost of carrying out supervision, cost of mobilizing all tools, tackles & equipments etc. and payment of all taxes, as applicable. Any work incidental to the item of work described, and necessary for the sequential completion of the item shall be carried out by the Contractor without demur or extra claim of any nature whatsoever, no matter whether or not such work has been implied in the Schedule or anywhere else.
8. In the event of an upward revision of rates of applicable taxes (other than GST) and imposition of new additional tax at the time of settlement of bills, the additional cost burden on the contractor shall be borne by APL. This benefit to the contractor shall not be available in case of increased tax rates being imposed during delayed contract period

reasons for which are attributable to the contractor. In case of decrease in rates due to delay on the part of contractor, the same shall be passed on to APL

9. In addition to executing the items of work described in the Schedule of Rates (SOR), the contractor shall execute, at no extra cost, all such incidental works which are necessary for successful & timely completion of all items of work as per SOR. The contractor shall engage, at no extra cost, competent technical supervisory staff who will be responsible for carrying out and documenting all quality control activities and, also for overseeing the health & safety requirements of the workers deployed at site.
10. The Owner reserves the right to cancel the order for execution of any or combination of items of work or part thereof, if necessary. Such a step shall not constitute a breach of the contract.
11. Rates quoted in schedule of rates against each item of work shall provide for execution of work as per the specifications given in the Tender or approved by owner.
12. Items of work as per Schedule of Rates quoted & accepted by the contractor are required to be performed as per the specifications given in the Tender.
13. Single point water supply and single point electric power main shall be provided by owner at site. Further extension of points, if necessary, shall come under contractor's scope. Electricity & water shall be provided free of cost. However Guest house facility if required shall be on chargeable basis subject to availability.
12. In the event of any difference arises between the above mentioned terms& conditioned and the GDCC (General directions and Condition of Contract) of APL, the GDCC shall prevail.
14. Depending on availability, the following materials shall be provided to the contractor from APL Stores, the cost of which shall be deducted from the running account bills & final bill as per rates indicated below. Contractor's quoted rate of such items of work, for which any or combination of these materials is to be used/consumed, should be based on the below mentioned basic rates of these materials irrespective of their prevailing market rates.

Description of material	Unit	Rate(Rupees)
Cement	Bag	Rs. 375/-(Rupees Three Hundred Seventy Five Only) excluding GST

Transportation of these materials from APL store to site of work shall come under contractor's scope/responsibility.

15. In the event of non-availability of specified materials in respect of Wood Work, Sanitary Work, Water Supply Work, Tiles Work & Ceiling Work items etc., substitution with available species/makes/brands of materials as per direction of the owner/ consultant may be allowed. In such cases, the quoted & agreed rates shall be recalculated & revised based on prevailing market prices of the substitute material used.
14. In the event of any difference arises between the above mentioned terms& conditioned and the GDCC (General directions and Condition of Contract) of APL, the GDCC shall prevail.

SECTION 4(A)**TERMS, CONDITIONS & PROCEDURES****APL'S SITE WORKING CONDITION****1. SITE ESTABLISHMENT:**

- 1.1 The contractor shall provide covered stores, tarpaulin and other covers for storage of materials. All materials likely to deteriorate in the open shall be stored under suitable cover. The contractor's staff and labour shall not be allowed to stay at site beyond working hours.
- 1.2 The contractor shall advise within 7 days of the effective date of contract, his space requirement which shall include for offices, Mess rooms, covered storage, open storage, fabrication space, lavatories etc. excluding labour colony.

Space shall be allowed to the contractor for erection of his office hutment and storage of material, but he will not be permitted to make use of any other space without the approval of the owner.

- 1.3 The contractor shall take adequate precautions and make necessary security arrangements at site for his own equipment, tools, tackles and materials for loss or damage to the contractor's plant tools or materials.
- 1.4 The Contractor shall at all time provide lighting and watchmen to protect and guard the works during its progress and in default thereof, the owner / consultant may provide such facilities at contractors cost.
- 1.5 A number of contractor will be working at project site. The contractor shall not object to the execution of works by other contractors simultaneously on the works awarded to them.
- 1.6 The contractor shall keep at all times, the work and storage area clean, free from accumulation of waste materials.
- 1.7 Messing accommodation :
The contractor shall make his own messing for his Engineers, Supervisors and workmen
- 1.8 First Aid :
The contractor shall provide a first aid post for his personnel working at site.
- 1.9 Contractor shall be responsible for providing tools and tackles, erection equipment, scaffolding materials, welding materials, compressed air etc, consumable stores, commissioning and testing.
- 1.10 The off loading and storage at site of all the contractor plant, tools and materials is his responsibility.

- 1.11 The contractor shall provide at his own cost.
- a) Any site approach, service roads which the contractor may consider necessary for the execution of the contract.
 - b) Necessary accommodation as may be required for his staff, technicians and Engineers.

2. SUPERVISION OF WORK AND EMPLOYMENT OF LABOUR :

- 2.0 The contractor is required to have on site during all working hours a full time engineer, who will be responsible to the owner/consultant for the execution/management of the works and who shall be authorized to receive and act on the such instruction as the owner/consultant may give.
- 2.1 The contractor shall provide necessary skilled and unskilled labour, supervisory and technical cum other staff required in connection with the execution of the contract. The permission of the owner/consultant must be obtained before tradesmen are recruited for the work. Tradesmen locally available should be given preference for recruitment.
- 2.2 All travelling expenses including provisions of all necessary transport to and from site, lodging, allowance and other payment to the contractor's employees are his own responsibility.
- 2.3 If required by the owner, all contractor's employees will wear identification badges while on site. The owner will issue security entry pass.
- 2.4 All notices display on the site and any instruction issued by the owner must be strictly adhered to by the contractor's employees.
- 2.5 The contractor will ensure that neither any of his employees nor any stranger takes any photographs of the work of premises or any portion thereof. The contractor will also ensure that no unauthorized person enters the premises.
- 2.6 The contractor shall permit the staff of the owner to make such searches on the premises as required to ensure absolute secrecy/security with respect to the work carried out.
- 2.7 The contractor will engage a gate keeper at his own cost and issue gate passes to his workmen so that only those engaged by him for the work will be allowed to enter the premises.
- 2.8 The contractor's personnel will be subject to security checks by the owner's security staff.
- 2.9 The contractor shall be responsible for any misconduct of any member of his staff and workmen and the owner will be entitled to expel the person employed by the contractor if found misbehaving on the site, getting drunk or is responsible for theft of the owner's property. The owner shall be entitled to take legal action against such a person.
- 2.10 The contractor shall issue all his person against any accident.
- 2.11 All members of the contractor's staff and workmen working on the site shall enter the office/building of the owner with prior permission and if any one is found lingering in any department, the owner will be entitled to expel him. If any member of the contractor's staff and workmen has any work with employees of the owner he shall have to obtain the prior permission of the Head of the department concerned to meet the employees of the owner.
- 2.12 Before commencing the work the contractor shall give to the owner schedule showing the number of persons employed by him and give the number of days for which they will work on the premises. The schedule may be reviewed by the owner/consultant at the end of every week.
- 2.13 The contractor shall indemnify the owner/consultant against any claim under the workmen's compensation act and contract labour (Regulation and Abolition Act. 1970)

and payment of wages act and all or any other statutory rules and regulations as modified or otherwise in force from time to time or in respect of any damages or compensation payable in consequence of any accident or injury sustained by the workman or other person whether in the employment of the contract or otherwise. Until the contracted work is accepted for and shall be deemed to have agreed to indemnify the owner/consultant in respect of all damages to and properly or owner/consultant or of the contractor or their subcontractor or their workmen or by defective design, work or materials or otherwise.

- 2.14 The contractor shall observe the provisions of Employees State Insurance Act. Factories, Central or State Act, **any other** regulations as may be applicable in respect of work and labour and staff employed by the contractor at site.

3. REPORTING :

3.1 The contractor shall draw in advance detailed schedule of work to be carried out at site and submit the same to the owner/consultant or to his authorized representative for approval. The work shall be done in accordance with the schedule and as per instructions given by the owner/consultant representative at site.

3.2 The contractor shall report the following information to the owner/consultant in writing each Friday.

- a) Number of men employed by the contractor.
- b) Progress achieved.
- c) Expected date of completion of work.
- d) Any actual or potential delay in the program caused by the action or inaction of the other contractor working on site.

4. COMPLETION OF WORK :

After completion of erection work, the contractor shall remove or dispose of in a satisfactory manner all temporary structure, Water materials, etc. and leave the premises in satisfactory condition. All empty packages including drums, bags and scrap materials belonging to owner shall be left at a place indicated by the owner. All packing cases shall be properly of the owner.

5. WORK SAFETY AND POLLUTION RULES :

- 5.1 The contractor shall observe all statutory and legal requirement under various regulation made by Central and State Governments applying to the work as well as any local regulations applying to the site and collaborate with the owner/consultant in all matters connected with safety and the above rules.

- 5.2 Particular attention is drawn to the following :
- a) In case of accident the owner/consultant will be informed in writing forth with. The contractor shall strictly follow regulation laid down by factory inspector, Government and other authorities in this regard.
 - b) Fencing, guarding all contractor's plant, plate-forms excavation etc. to avoid accident.
 - c) Compliance with all electricity regulations.
 - d) Compliance with statutory requirement for inspection and test of all lifting appliances and auxiliary shifting gears.
- 5.3 No excavation will be started without the permission of the owner who will inform the contractor of the position of any pipes or cables known to be buried in the area. All excavations must be effectively railed off at all times or completely bordered and properly marked during the hours of darkness by red warning lamps using flame proof warning lamps in non-smoking areas. During the hours of darkness heaps of debris or materials which cannot be immediately removed must be heaped in such a way as to leave adequate passageway.
- 5.4 The contractor will notify the owner/consultant of his intention to bring on the site any equipment such as space heating or welding apparatus, or any container holding liquid or gaseous fuel or other substances, which might create a hazard. The owner/consultant will have right to prohibit the use of such equipment or to prescribe the conditions under which such equipment may be used.
- The owner /consultant will have the right to inspect any construction plant, and to forbid its use if in his opinion it is unsuitable or unsafe. No claim arising therefrom shall be made by the contractor. The contractor or any one acting on his instruction will not bring on to the site any radioactive substance or any apparatus using such substances or any x-ray apparatus until written permission and direction regarding the use of such equipment has been received from the owner.
- 5.5 The contractor will meet all requirements and acts on the instruction of the owner/consultant where it is necessary to operate permit to work's system.
- 5.6 The contractor shall have his own fire fighting extinguishers and equipment.
- 5.7 The contractor shall be responsible for the provision of all safety notices and safety equipment required under relevant legislation and as the owner/consultant may deem necessary.
- 5.7 The contractor shall be responsible for the safe storage of his radiographic sources of those of his sub-contractor's.

6. ELECTRICAL SAFETY REGULATIONS :

- 6.0 In no circumstances will the contractor interfere with fuses and electrical equipment belonging to the owner.
- 6.1 Before the contractor connects any electrical appliances to any plug or socket belonging to the owner he will
- a) Satisfy the owner/consultant that the appliances is in good condition.
 - b) Inform the owner/consultant of the max. current required and the voltage and phase of the appliance.
 - c) Obtain permission of the owner detailing the sockets to which the appliances may be connected.
- 6.2 No electric cable in use by the owner/consultant will be disturbed without prior permission of the owner/consultant. No weight of any description will be imposed on any such cable and not staging, ladder or similar equipment will rest against or be attached to it.

- 6.3 The voltage of all portable equipment e.g. drilling machines temporary lighting etc. will not exceed 220 volts. Voltage of all hand lamps used for lighting inside vessel shall not exceed 25 volts.
- 6.4 It shall be the responsibility of the contractor to ensure that no accident of any kind occur on the site and he shall be responsible for all liabilities arising from and accident whether civil or criminal and whether the premises are insured or not.

SECTION-4(B)

SPECIAL CONDITIONS OF CONTRACT

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- 1.0 General
 - 2.0 Acceptance of Tender
 - 3.0 Sufficiency of Tender
 - 4.0 Contractor Scope of work
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 - 8.0 Other Special conditions of contract
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 - 10.0 Construction equipment / lifting tackles, etc.
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 - 15.0 Statutory Compliance
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 - 17.0 Compliance Time
 - 18.0 Extension of time
 - 19.0 Guarantee
 - 20.0 Completion Documents
 - 21.0 Conflicting Conditions
-

**CONSTRUCTION SPECIFICATION FOR
SPECIAL CONDITIONS OF CONTRACT**

1.0 GENERAL

Special Conditions of contract shall be read in conjunction with Specification of work, drawings, and any other documents forming part of this Contract. In the event any of the conditions of this document contravenes or is in conflict with the Project Specific Requirement, the latter shall prevail. All Commercial Conditions are excluded from this document and are to be referred to the General Directions & Conditions of Contract of APL and other relevant sections of the contract document.

1.1 DEFINITIONS & INTERPRETATIONS

The following definitions and Interpretations shall be used in context with this document.

- | | | | |
|-------|---|---|--|
| 1.1.1 | a. “OWNER” shall mean | : | M/s. Assam Petro-chemicals Limited |
| | b. “OWNER’S” representative shall mean | : | The Person(s) empowered by the Owner to represent him in the day to day execution of work. |
| 1.1.2 | a. | : | “CONSULTANT” shall mean |
| | | | : |
| | b. “ENGINEER” shall mean | : | APL’s/Consultant’s Site Engineer |
| 1.1.3 | | : | “CONTRACTOR” shall mean |
| | | : | The successful bidder. |
| 1.1.4 | “WORKS” shall mean the Produce(s) of the work. | | |
| 1.1.5 | “CONSTRUCTION PLANT” means all appliances or things of whatsoever nature required in connection with the execution, completion or maintenance of the works or temporary works, but does not include materials or other things intended to form or forming part of the permanent work. | | |
| 1.1.6 | “SPECIFICATION” shall mean the technical specification forming a part of the contract and such other schedules and drawing as may be mutually agreed upon. | | |
| 1.1.7 | “LETTER OF INTENT” shall mean the official notice issued by the owner notifying the Contractor that his proposal has been accepted and that the | | |

contractor is required to sign the contract agreement as required by the owner. Contractor shall also start mobilizing his resources after receiving the “Letter of Intent” and execute the work.

1.1.8 “DATE OF CONTRACT” shall mean the date on which Owner and Contractor have signed the Contract agreement.

1.1.9 “CONTRACT DOCUMENT” means collectively the Tender documents, Drawings, Specification, agreed variations – if any, Contract and such other documents constituting the tender and acceptance thereof.

1.1.10 “WARRANTY/GUARANTEE PERIOD / MAINTENANCE PERIOD” shall mean the period during which the contract shall remain liable for repair or replacement of any defective part of the works performed under the contract.

1.1.11 “AFC” shall mean drawings “Approval For Construction” / “Issued For Construction”

2.0 ACCEPTANCE OF TENDER

The owner reserves the right to award the work in parts between two or more agencies.
The quoted rates shall hold good for such an eventuality.

3.0 SUFFICIENCY OF TENDER

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates stated in the Schedule of Rates, which shall cover all his obligations under the contract and all matter and things necessary for proper completion of the work.

The bidder must submit along with his quotation complete Volumes & Sections each page duly stamped and with relevant data filled and duly signed on each page & attachment. Failing which the bid will be considered as incomplete and may be rejected.

4.0 CONTRACTOR’S SCOPE OF WORK

4.1 The Contractor’s scope of work for this contract, described in various sections, specifications, annexure, Schedules of Rates & Quantities etc. shall comprise of the following jobs.

4.1.1 Maintenance , repairing , Constructional(new) , petty natured work of residential quarters at APL Township, Factory office buildings, Factory surface water Drains ,APL Namghar, Clubs, Guest houses etc.

4.1.2 Maintenance , repairing , Constructional(new) , petty natured work of Township boundary wall, compound wall & fencing etc.

4.1.3 Others miscellaneous petty civil works at township& Factory premises.

4.1.4 Maintenance & repairing work of sanitary installations of residential, office buildings.

4.1.5 Maintenance , repairing , Constructional(new) , petty natured work of water supply pipeline of residential, office buildings.

4.1.6 Maintenance , repairing , Constructional(new) , petty natured work of water distribution piping network at township, office buildings ,factory premises etc.

4.1.7 Maintenance , repairing , Constructional(new) , petty natured work of drainage system..

- 4.1.8 Construction(new) of necessary temporary water storage tanks for construction & other needs of the contractor.
- 4.1.9 Repairing /construction of new inter locking paver block roads.
- 4.2 The Contractor's scope of work shall also include the following incidental works in connection with the works mentioned in sl. No. 4.1.
 - 4.2.1 Carrying out necessary setting out / layout survey work and construction / installation of grid pillars, burjis and benchmarks.
 - 4.2.2 Preparation of Bar-Bending Schedule (BBS) for reinforcement and getting approval from Owner / Consultant.
 - 4.2.3 Making as built changes in the drawings and submitting to Owner / Consultant.
 - 4.2.4 Conducting necessary laboratory & field tests like concrete cube test, tensile strength test, compressive strength test, load test etc.

4.3 OTHER WORK / GENERAL REQUIREMENTS:

- 4.3.1 Compliance with all Statutory Regulations.
- 4.3.2 Construction of temporary facilities for Contractor's own work such as site office, workshop stores, temporary hutments with toilet facility for workers / laborers and other necessary offices / works for execution of job.
- 4.3.3 Arrangement of necessary temporary water storage for construction and other needs of the contractor.
- 4.3.4 Preparation of all temporary approach roads from existing roads to work spots, if required, at no extra cost to owner.
- 4.3.5 Following all Q.A. and Safety Requirements.
- 4.3.6 Following work permit system as per M/s APL's procedures during execution of job.
- 4.3.7 All other items connected with this contract in addition to the works listed above.
- 4.3.8 Rates indicated in the Schedule of Rates & Quantities shall cover all activities listed above.
- 4.3.9 Contractor shall not sub-let part or whole of his works to any subcontractor without written consent of the Owner.

5.0 CONTRACTOR'S SCOPE OF SUPPLY

The Contractor shall supply all materials required for completing the work as per drawings and specifications except for the materials specifically enlisted under Owner's scope of supply. These will be as follows but not limited to,

- 5.1.1 Cement, sand, stone aggregate, Bricks, Reinforcement steel, Structural steel, Shuttering materials etc.
- 5.1.2 All survey instruments including total stations for setting out works.

- 5.1.3 All necessary construction equipments for excavation & earthwork like Dozers, Dampers, Rollers, Excavators, Water tanks with sprinkles Pneumatic / Hydraulic Drills etc.
- 5.1.4 All necessary construction equipments for concreting/civil maintenance & repairing works like transit mixer, Wood cutter machine, Drill machine, steel cutting machine, Mixture machine, weigh batching machines, wheel barrows, concrete pumps, air compressors, mechanically operated hoists, tower cranes etc. as required.
- 5.1.5 All welding machineries, rectifiers, generators etc. including consumables.
- 5.1.6 All industrial gases such as Oxygen, Acetylene and consumables like electrodes etc.
- 5.1.7 Supplying necessary fabrications equipments like welding sets including SAW machine, jigs, drilling machine, grinders, pug cutting set etc.
- 5.1.8 Supplying necessary bamboo scaffolding for temporary platforms and staging works.
- 5.1.9 All necessary equipments for concrete testing like cube crushing testing machine, staves, slump cones, cube moulds, balance ovens, equipments for testing silt content sand, VB apparent reinforcement steel and other construction materials. All the instruments used shall have proper calibration certificate.
- 5.1.10 Contractor shall make arrangements to make storage of concrete cubes, specimen samples of other materials brought by contractor etc. in a special area indicated by the owner / consultant. It will be the responsibility of the contractor to make arrangements for proper periodic handling of the above mentioned items.
- 5.1.11 All necessary personal protection equipments to the workers and staff as indicated in safety rules. These will be mandatory and any violations / non-compliance by workers will lead to immediate removal from site.
- 5.1.12 All necessary testing device and instruments.
- 5.1.13 Supplying all bought out items.
- 5.1.14 Supplying approved quality of admixture required for concrete if required.
- 5.1.15 All other materials required for completion of the job as indicated in bill of quantity, drawing and specifications.

6.0 CONTRACTOR'S RESPONSIBILITY:**6.1 CONTRACTOR'S TOOLS & EQUIPMENTS**

- 6.1.1 The Contractor shall provided all necessary tools, tackles and equipments for construction and testing in adequate quantities to meet the target completion date of the related Civil / Electrification work. The Contractor shall also arrange for al vehicles including automobiles for personnel transportation, pick up truck, cranes, excavator, roller etc. at his own cost.
- 6.1.2 It shall be entirely Contractor's responsibility to also provide all types of erection aids, machines, testing / checking equipment, cranes, ropes, winches, "D" Shackles, scaffoldings, etc. necessary to perform the work

in workmanlike, safe and efficient manner and complete the job as per time schedule indicated. The contractor shall submit appropriate test and calibration certificate for the above as required by Owner / Consultant

6.2 LABOUR

The Contractor shall arrange skilled, semi-skilled and unskilled labour Supervision, Staff, Engineer, Stores personnel and other clerical staff required to complete all the work as specified in this document.

The Contractor shall employ adequate labour force to maintain the target completion dates.

In the event of the Contractor being unable to maintain the target completion dates, as specified in Time Schedule of this document, he shall increase the strength of any of the above category of personnel / tools, tackles and equipment as advised by the Owner / Consultant. Contractor shall work in shifts or round the clock at no extra cost. For such increase of manpower and resources the Contractor shall not claim any additional charges.

6.3 CLEANLINESS OF WORKS SITE:

General cleanliness on site during construction period shall be provided after the work is complete and a part of work is handed over, the contractor shall clean the area surrounding the works of all the equipments and excess stores and remnants of constructor materials such as brickbats, sand, timber steel, rubber etc.

6.4 PROTECTION OF BENCHMARKS, GRID POINT AND GROUND WATER GAUGES:

Protection of Surveyor's benchmarks and groundwater gauges, zero line marks and base line marks from damage or movements during work.

Damage to any of these shall be made good by the contractor at his own cost to the entire satisfaction of the Owner / Consultant.

6.5 TRAFFIC INTERFERENCE

The contractor shall conduct their operations in a way so that as little interference as possible is caused to the traffic. Contractor shall take all precautionary and other measures such as providing warning signals, temporary diversions, etc. Contractor shall exercise full care to ensure that no damage is caused by them or their workmen during the operations to the existing water supply and power lines. The cost of any such damage and risks arising out this shall be entirely borne by the contractor.

6.6 INFORMATION REQUIREMENTS

6.6.1 Supply information to the Owner / Consultant of the following at the time of submitting tender. – Area of his office, fabrication yard and stores.

6.6.2 The contractor shall submit the following documents to owner / consultant.

- i) Number of men employed by trades daily (Submit every day by 10:30 AM)
- ii) Programme Vs Progress once a week (Submit every Monday by 10:30 AM)
- iii) Expected dates for completion of work. (Submit every Monday by 10:30 AM)
- iv) Any actual or potential delay in programme caused by the action or inaction of the other contractor working on site. (To be reported immediately on occurrence)
- v) Unsafe incident / accident within an hour followed by detailed report within four hours.

6.7 PROTECTION OF EXISTING UNDERGROUND AND ABOVEGROUND SERVICE AND ADJOINING STRUCTURES.

Contractor shall ensure prior to starting and during the progress of work, full measures to protect the existing service lines and / or other structures near the work site. This should be to the entire satisfaction of the Owner / Consultant's representative at site.

6.8 MAINTENANCE OF WORK

During the construction period of work, the contractor shall be responsible for maintaining the entire work already executed in a proper and acceptable condition against defects in construction. The work will have to be protected against possible damage and shall be made good at his own cost to the acceptable standard and as approved by the Owner / Consultant's representative at site.

The contractor shall be responsible to repair and maintain any damages and defects generated by other agencies, however, cost of such repairs shall be payable after mutual negotiations and agreement with the Owner's / Consultant's representative.

6.9 GENERAL CO-ORDINATION

Contractor shall plan and carryout in coordination with other contractors engaged by the Owner and the contractor shall ensure full cooperation to the Owner for coordinating different works to be carried out simultaneously at works site.

6.10 COMPLIANCE WITH STATUTORY REGULATIONS WORKS RULES

The contractor shall comply with statutory requirements as well as works rules enforced at the site of work and rates quoted shall include all expenses required for complying rules / regulations. The contractor shall also make available all sorts of medical aid and first aid facilities for his works at site.

SUSPENSION OF WORK:

- a) OWNER may direct CONTRACTOR in writing to suspend all or any part of WORK for such period of time as may be determined by OWNER to be necessary or desirable for the convenience of OWNER. On receipt of such notice, CONTRACTOR

shall take immediate action to wind up the WORK in such a manner that it will cause least damage to OWNER.

- b) OWNER shall advise CONTRACTOR of the period such suspension is likely to cover. CONTRACTOR shall remobilize his personnel and resume WORK as expeditiously as possible on receipt of instruction from OWNER to resume the WORK.

TERMINATION OF CONTRACT

- a) Prior to OWNER invoking any of its rights under clause (b) and (c) below, the PARTIES shall meet and discuss any outstanding of the other PARTY'S position. All efforts shall be made by the PARTIES to reach an equitable and amicable solution to such issue or dispute.
- b) OWNER may by written notice to CONTRACTOR, terminate CONTRACT whenever OWNER deems such termination to be in its best interests. Upon such termination the provisions of clauses (d) and (g) below shall be applicable.
- c) If CONTRACTOR shall neglect to execute WORK with due diligence or expedition, or shall refuse or neglect to comply with any reasonable order given to it in writing by OWNER in connection with WORK, or shall contravene any of the provisions of the CONTRACT, OWNER may give notice in writing to CONTRACTOR calling upon it to make good the failure, neglect or contravention complained of, within a period of 15 (fifteen) DAYS. In CONTRACTOR'S default of compliance with any such notice, OWNER may without prejudice to its rights rescind or terminate CONTRACT.
- d) Upon notice of termination by OWNER pursuant to clause (b) OWNER may require CONTRACTOR to:
- 1) Terminate all work
 - 2) Deliver to OWNER, Plans, specifications, and drawings produced, prepared, or acquired for WORK.
- e) On termination by OWNER under clause (c) above OWNER may carry out all remaining WORK either by itself or through its agents or may re-contract to any person or company to execute the same and provide materials, tools, tackles, or labour for the purpose of completing WORK. OWNER has the right to make use of the amount withheld towards the cost of such WORK by giving notice in writing of its intention of doing so to CONTRACTOR.
- f) In case of termination under clause (b) above, OWNER shall elect to carry out by itself or by any other person WORK necessary to complete WORK by using CONTRACTOR's design and engineering.
- g) Payment of compensation for the works performed till the date of termination will be decided at the time of termination.

Particular attention is drawn to the following:

- In case of accident, the Owner / Consultant shall be informed in writing forthwith. The contractor shall strictly follow regulations laid down by Factory Inspector, Government and Local Authorities in this regard. The contractor shall report immediately in triplicate to the Owner / Consultant any accident at site involving loss of life. Each such report shall include the information as required by the regulations.
- Compliance with statutory requirements for inspection and testing of all lifting appliance such as crane, gantries, etc. auxiliary lifting gear.

Staircases, door or gangways must not be obstructed in any way that will interfere with means of access or escape.

No excavation shall be started without the permission of the Owner / Consultant, who will inform the contractor of the position of any pipes or cables known to be buried in the area. All excavations must be effectively railed off at all times, or completely boarded over & properly marked during the hours of darkness by redrawing lamps or flameproof warning lamps in hazardous area. During the hours of darkness, heaps of debris or materials, which cannot be immediately removed, must be heaped in such a way as to leave passageway.

The contractor shall notify the Owner / Consultant of his intention to bring on to site any equipment such as heating or welding apparatus, or any container holding liquid or gaseous fuel or other substance which might create a hazard.

The Owner / Consultant shall have the right to prohibit the use of such equipment or to prescribe the conditions under which such equipment may be used.

The Owner / Consultant shall have the right to inspect any construction equipment and to forbid its use if in his opinion it is unsuitable or unsafe. No claim arising there from shall be made by the contractor.

The contractor shall meet all requirements and act on the instructions of the Owner / Consultant where it is necessary to operate a "Permit-to-work" system.

Where it is necessary to provide and / or store petroleum products or petroleum mixtures and explosives, the contractor shall be responsible for carrying out such provisions and / or storage in accordance with the relevant local statutory regulations. All such storage shall have prior approval of the Owner / Consultant. In case any approvals are necessary from the Chief Inspector of Explosives or any statutory authorities, the contractor shall be responsible for obtaining the same.

The contractor shall have his own Fire Fighting extinguishers and equipment and ensure that all adequate precautions are taken against fire.

The contractor shall be responsible for the provision of all safety notices and safety equipment required by both the relevant legislation and such as the Owner / Consultant may deem necessary.

Electrical Safety Regulations:

In no circumstance will the contractor connect any electrical appliances to any plug or socket belonging to the Consultant or Owner. He will:

- Satisfy the Owner / Consultant that the appliance is in good condition.

- Inform the Owner / Consultant of the minimum current required, and the voltage and phase of the appliances.
- Obtain permission of the Owner / Consultant detailing the sockets to which the appliances may be connected.

No electrical cable, in use by the Owner / Consultant shall be distributed without prior permission of the Owner / Consultant. No weight of any description shall be imposed on any such cable and no staging, ladder or similar equipment will rest against or be attached to it.

No work shall be carried out on any line equipment. The equipment must be safe and a “Permit-to-work” issued by the Owner / Consultant before any work carried out.

No cable shall be laid on ground surface in an unsafe condition. They shall be at above ground in such a way that they do not obstruct the movement of vehicles, cranes, etc. and the work of other contractors in the area.

The Owner / Consultant has the right to discontinue the power supply if any equipment or installation is considered unsafe. The contractor must replace or rectify the equipment / installations at his own cost and satisfy the Owner / Consultant. Each Hut, Office etc. shall have a main isolator for electrical supply in convenient and accessible position, suitably marked outside the building.

6.11 CALIBRATION OF TESTING AND MEASURING EQUIPMENT

The contractor shall ensure that all measuring and testing equipment used at site such as theodolite, levels, prismatic compass, chains, steel, metal tapes, pressure gauges, and all equipment used for testing of soil, aggregate sand, cement, concrete, masonry plastic etc. are properly calibrated and the certificates are available at site wherever applicable, the calibration should be against a Standard traceable to National Calibration Standards.

6.12 STORAGE OF MATERIALS AND GUARDING THEFT DAMAGES.

The contractor shall make adequate arrangements for storing and safety of construction materials to be used on site. He will be responsible for making arrangements to guard against theft and damages to construction materials while in his possession at site.

6.13 MATERIALS REQUIRED BY THE CONTRACTOR

The contractor shall be responsible for the storage of his materials. Contractor shall calculate the quantities of materials as per latest drawings before ordering. The cost of any excess or shortfall, if any, in the materials ordered by the contractor shall be borne by the contractor.

6.14 DRAWINGS AND SPECIFICATIONS

6.14.1 Construction shall be as per latest issue of drawings and specifications etc. issued to the contractor by Owner/Consultant duly marked “issued for Construction”.

6.14.2 Contractor shall ensure that all superseded issue of drawing and specification etc. are withdrawn from circulation and returned to Owner / Consultant promptly.

6.14.3 In case of discrepancy, generally the detailed drawing and specification shall be considered to be correct and such discrepancies shall be notified immediately to the Consultant / Owner.

6.14.4 Contractor shall be provided with typical stand and support drawings along with locations by Owner / Consultant. If Owner / Consultant requires to provide any additional supports the same shall have to be provided by the Contractor in consultation with Owner / Consultant. Exact measurement shall be worked out by Contractor and shall fabricate supports accordingly. The Contractor shall also prepare the bill of materials for all supports.

7.0 OWNER SCOPE OF SUPPLY

7.1 The owner shall supply water to the contractor free of cost for construction purpose at one point near the work spot. Further distribution of water as required shall be contractor's responsibility at his cost.

7.2 Cement & reinforcement bars shall be supplied to the contractor (depending on availability) on chargeable basis.

7.3 Site Establishment Infrastructure.

Only land for construction office, toilets, store, hutments and fabrication workshop will be given by Owner / Contractor has to construct the above structure at his own cost and same to be dismantled and removed and clear site to be handed over to owner on completion of job as directed. Owner will provide suitable land outside factory gate for the labour colony. Contractor will have to make his arrangement for the above also for accommodation of his supervisors outside the plant.

8.0 OTHER SPECIAL CONDITION OF CONTRACT

8.1 Construction/Electrification Materials.

a) The contractor shall ensure that the construction/electrification materials supplied by him meet the latest I.S. Standards, and arrange for the same to be tested in laboratory acceptable to Owner / Consultant, as and when required by Owner / Consultant. The Owner / Consultant may at their discretion ask each consignment to be tested for any or all the tests required by the relevant I.S. codes.

b) The contractor shall submit manufacture's test certificates also along with each batch of supply.

c) Cost of the tests carried out for the above items shall be borne by the contractor.

d) Only approved brands of the materials shall be procured by contractor.

8.2 Cost of testing of supplied items; testing in site etc. will not be charged by contractor.

8.3 The contractor shall extend all necessary assistance to the Owner / Consultant for investigation that may be required to assess the quantity of work.

- 8.4 The contractor shall ensure that bills submitted by him shall have the same nomenclature as used in this order document.
- 8.5 Any inspection or acceptance of any material / works by the owner or his nominee shall not absolve the contractor of his own responsibilities and / or guarantee under this contract.
- 8.6 The contractor shall remove all surplus materials, sheds, huts, plant, tools and rubbish, etc. after the completion of the work as already stated (Cl. 6.3 above).
- 8.7 Any changes in specifications due to non-availability of materials shall be approved by Owner /Consultant before making such changes.
- 8.8 No canteen facility will be given to contractor. Contractor shall make own arrangement for same.
- 8.9 Special attention is drawn to the Contractor regarding safety regulations and compliance while working.
- 8.10 First aid medical facility and arrangements of Ambulance for necessary transportation in emergencies shall be made by Contractor at own cost.
- 8.11 The contractor shall take prior approval from Owner / Consultant for carrying out any work that is not covered in Schedule of items.
- 8.12 **WORK PERMIT**
- If work is required to be done in working plant area/Risky/dangerous areas,Permission will have to be taken before start of work on daily basis or specific period as per prevalent conditions.

9.0 SITE ORGANIZATION / EQUIPMENT DEPLOYMENT

Time is essence of Contract. The Tenderer should indicate in his offer the site Organization and construction equipments to be committed for this work, including skilled and unskilled labour deployment. Tenderer shall strictly adhere to the agreed deployment.

The Contractor's site organization, as a minimum should provide independent Planning Engineer, Safety Engineer and Quality Control Engineer (if necessary) or as per NIT.

Each of these engineers will report to the Resident Engineer and no one else. They will not be allocated any work other than what their designation specifies.

10.0 CONSTRUCTION EQUIPMENT / LIFTING TACKLES, ETC.

It shall be entirely Contract's responsibility to provide all types of erection aids, machineries, testing / checking equipment /tools, equipment, tools, tackles, cranes, scaffoldings, etc. necessary to perform the work in workmanlike, safe and efficient manner and complete the job as per time schedule indicated. The Contractor shall submit appropriate load test and calibration certificates for the above as required by Owner / Consultant.

11.0 CONSTRUCTION PROGRAMME

Within 15 days of commencing of the work Contractor shall submit construction programme for entire work for approval of Owner / Consultant.

11.1 Joint programme of execution of the work will be prepared by the Owner / Consultant and Contractor. This programme will take into account the time of completion mentioned. In case of any dispute Owner's decision shall be final.

11.2 Monthly / Weekly construction target will be drawn up by the Owner / Consultant with the Contractor based on availability of work fronts and the joint construction programme. The Contractor shall scrupulously adhere to these targets and programme and shall deploy adequate personnel, construction equipment and aids. The contractor shall give full weight-age to the decision in regard to deployment of manpower, labour, construction equipment and aids by the Owner / Consultant. He shall also procure for himself all the materials under his scope of supply in good time so that no activity of work is adversely affected for want of material and to achieve the target / programmes. In all matters concerning setting out targets, or activities, priority or the weekly and monthly programme and the progress achieved, the decision of the Owner / Consultant will be final and binding on the Contractor. Contractor shall deploy planning engineer who shall carryout only planning function and shall not be utilized for supervision work.

Contractor shall take all steps and measures to achieve the schedule target and programmes. If required Contractor shall work in shifts and round the clock to achieve target completion at no extra cost.

Contractor shall have available manpower generally as per site organization chart. If required, Contractor shall mobilize addition manpower at no extra cost.

Contractor should give chart for labour force intended to be deployed.

12.0 SCHEDULE OF QUANTITIES

The quantities mentioned against various items are only approximate and subject to deletion / addition / alternation or other variation.

13.0 DRAWING AND SPECIFICATIONS;

13.1 Construction shall be as per the latest issue for drawing and specification etc. issued to the Contractor by Owner / Consultant duly marked "Approved For Construction" (AFC).

13.2 Contractor shall ensure that all superseded issue of drawing and specifications etc. are withdrawn from circulation use and returned to Owner / Consultant promptly.

14.0 MEASUREMENT OF WORK AND INVOICING PROCEDURE

For all purposes, measurement will be based on the drawing "Issued for Construction". Wherever measurement is not available, physical measurement will be taken by the Contractor in presence of Owner / Consultant.

14.1 The Contractor shall submit his monthly detailed measurements two copies to owner / consultant.

- 14.2 The detailed measurements shall be taken jointly by the Contractor's Representative along with owner's / consultant's Engineer and shall be based on actual site measurements / relevant drawings.
- 14.3 Owner / Consultant shall verify the measurement; make necessary corrections on the measurement sheets and the abstract of quantities. The corrections are made in red and appear on each copy.
- 14.4 Based on the above contractor will submit their progress invoice to Owner / Consultant.
- 14.5 The relevant Q.C. Sheets (Copies) shall be attached along with the RA Bills & final bill as part of the quality certification of the bill.
- 14.6 Whenever the items billed have not been as per drawings / specifications the same should be clearly highlighted in the bill.

15.0 STATUTORY COMPLIANCE

The Contractor shall strictly follow and comply with all statutory rules and regulations viz., Contract Labour Law, Insurance Coverage under workmen's Compensation Act, PF., Minimum Wages Act, etc.. as applicable as well as safety regulations prevalent at Owner's works.

16.0 INSPECTION

The work is subject to inspection at all times by the Owner/ Consultant. The Contractor shall carry out all instructions given during inspection and shall ensure that the work is being carried out according to the technical specifications of this tender, the technical documents that will be furnished to him during the performance of the work and the relevant codes of practice.

The Contractor shall provide access ladders, lighting and necessary instruments at his own cost for the purpose of carrying out inspection by Client / Consultant.

Any work not conforming to the "AFC" drawings, specifications or codes shall be rejected forthwith and the Contractor shall carry out the rectification or redoing at his own cost.

All result of inspection shall be recorded in the inspection report, Proforma of which will be approved by the Owner / Consultant. These reports shall form part of the completion document.

Inspection and acceptance of the work shall not relieve the Contractor from any of his responsibilities under this contract.

17.0 COMPLETION TIME

The work shall be executed strictly as per the time schedule given in this document. The period of Construction given in the time schedule includes the time required for mobilization as well as testing, modification, if any rectification works if called for as per specification and schedule or quantities and completion in all respects to the entire satisfaction or the Owner / Consultant.

Timely completion is the essence of contract. Delay in completion will result a penalty as specified in the contract.

18.0 EXTENSION OF TIME

If the Contractor shall desire for any extension of the time for completion of the work on the ground of his having been unavoidably hindered in its execution or any other ground, he shall apply in writing to the Owner / Consultant within ten days of the date of hindrance on account of which he desires such extension as aforesaid and the Owner / Consultant shall if in his opinion (which shall be final) reasonable ground have been shown thereof, authorize such extension of time as may in his opinion be deemed necessary and proper.

19.0 GUARANTEE

Contractor shall guarantee satisfactory workmanship for all the work carried out by him for a period of 12 months from mechanical completion.

During this guarantee/defect & liability period if any executed items of work/items etc(performed under the contract) got damaged/defected then the contractor should rectify/repair/replace or redoing the same with free of cost / at his own cost to the acceptable standard on top most priority, within the mutually agreed period and without any delay.

20.0 COMPLETION DOCUMENTS

The following documents shall be submitted by the Contractor, in triplicate, in the form prescribed by Owner / Consultant as applicable.

- a) Test certificates from manufacturer for construction/electrification and any other materials supplied by the contractor.
- b) Material Reconciliation statements.
- c) The contractor's final bill shall be accompanied with a "No further claim certificate" stating that no further claims will be raised by the Contractor; all test reports and other documents shall be submitted with the final bill.
- d) The final bill shall be accompanied by all Q.C. Check sheets / Forms for the various work carried out by the Contractor.
- e) Any other records as required by Owner / Consultants from time to time.

SECTION-5(A)

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TIME SCHEDULE

The entire work covered in this document shall be executed over period of twelve(12)months starting from 10th day after award of contract (issue of LOI).

Major milestone dates for various Systems/Sections.

Sl. No.	System	Completion period/ Date
1	Mobilization at site	
2	Start Construction activity	
3	Virtual Completion	

I accept to adhere to the Time Schedule, as above.

SEAL OF TENDERER

SIGNATURE OF TENDERER

Note: Enclose separate page, if necessary. Additional page appended must bear the signature& seal of bidder.

PROPOSAL EXHIBITS No.2

BASIC INSTRUCTIONS

1. Duly Completed Technical Bid & Price Bid should be submitted online.
2. The price quoted by bidders in percentage FORM summary of price in the Price Bid /SOR.
3. On opening of price bids, any discrepancy or ambiguity found in respect of the value/ percentage of quoted price shall be dealt with in line with the guidelines stipulated in the APL's General Directions & Conditions of Contract (GDCC) and as per the standard practices in this regard. In such cases, decision of the APL shall be final & binding on the bidder.
4. Bid validity: Bids shall remain valid for 120 days from the date of opening of the tender.

STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)

PROPOSAL EXHIBITS NO.3

PROPOSED SITE ORGANIZATION

The contractor will indicate hereunder the site Organization he will provide for carrying out the said work. It is understood that the contractor will deploy adequate working and supervision personnel, depending upon the requirements from time to time, for timely completion of work.

SEAL OF TENDERER

SIGNATURE OF TENDERER

Note: Append separate sheet, if necessary.

**STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)****PROPOSAL EXHIBITS NO.4****EQUIPMENT QUESTIONNAIRE**

The below mentioned minimum numbers of equipments must be with the contractor which he intends to deploy at site during the peak period.

Sr. No.	Description of Equipments	Minimum requirement(Nos)	Available with contractor (Nos)	Present Location	Intended Arrival Date	Owner
1	Drill machine	01				
2	Electric wood cutter machine	01				
3	Concrete breaker machine	01				
4	Electric Steel/Rod cutter machine	01				
5	Painting machine/roller	01				
6	Welding Machine	01				
7	De watering pump	01				
8	Static Road Roller	01				
9	Truck	01				
10	Mini Truck	01				
11	Mixture Machine	01				
12	Hand cart(thela)	03				
13	Belsa	20				
14	Tegari	20				

ASSAM PETRO-CHEMICALS LIMITED

(A Government of Assam Undertaking) | An ISO 9001:2008 Certified Company
CIN- U24116AS1971SGC001339, GSTN: 18AABCA6913A1Z6

Head Office & Factory Site:

Assam Petro-Chemicals Ltd., Namrup, P.O. Parbatpur,
District: Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518, Fax: (0374) 2500231

15	Kudal	10				
16	Gaita	05				
17	Chisel	05				
18	Empty plastic drum	10				

SEAL OF TENDERER SIGNATURE OF TENDERER

Note: Append separate sheet, if necessary.

**STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)****PROPOSAL EXHIBITS NO. 5****MANPOWER QUESTIONNAIRE**

The contractor shall indicate below the proposed manpower deployment:

A	Technical	Max. Nos.	B	Skilled Worker	Max. Nos.
i.	BE(Civil)		i.	Carpenter	
ii.	JE(Civil)		ii.	Mason	
iii.			iii.	Welder	
iv.			iv.	Plumber	
v.			v.	Operators	
vi.			vi.		
vii.			vii.		
viii.			viii.		
ix.			ix.		
x.			x.		
xi.			xi.		
xii.			xii.		
C	Supervisory Staff	Max. Nos.	D	Office Staff	Max. Nos.
i.	Supervisor		i.	Accountant	
ii.			ii.	Watchment	
iii.			iii.		
iv.			iv.		
v.			v.		
vi.			vi.		

ASSAM PETRO-CHEMICALS LIMITED

(A Government of Assam Undertaking) | An ISO 9001:2008 Certified Company
CIN- U24116AS1971SGC001339, GSTN: 18AABCA6913A1Z6

Head Office & Factory Site:
Assam Petro-Chemicals Ltd., Namrup, P.O. Parbatpur,
District: Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518, Fax: (0374) 2500231

SEAL OF TENDERER

SIGNATURE OF TENDERER

Note: Append separate sheet, if necessary.

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**STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)**

PROPOSAL EXHIBITS NO.6

DETAILS OF PRESENT COMMITMENTS OF SIMILAR NATURE

Sr. No.	Name and Address of Client	Type of work	Value of Contract	Date of Commencement of work	Schedule Completion	% Completion	Expected date of completion

SEAL OF TENDERER

SIGNATURE OF TENDERER

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Note: 1. Append separate sheet, if necessary.

2. Enclose self attested documentary Proof i.e. copy of LOI/WO in support of the above.

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STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)

PROPOSAL EXHIBITS NO. 7

DETAILS OF PAST PERFORMANCE (Mention works of similar nature)

Sr. No.	Name and Address of Client	Type of work	Value of Contract	Work order No & Refn			Remarks
					Date of Commencement of work	Completion of work	

NB: Necessary work Completion certificate along with the work order should be produced in each contract.

ASSAM PETRO-CHEMICALS LIMITED

(A Government of Assam Undertaking) | An ISO 9001:2008 Certified Company
CIN- U24116AS1971SGC001339, GSTN: 18AABCA6913A1Z6

Head Office & Factory Site:

Assam Petro-Chemicals Ltd., Namrup, P.O. Parbatpur,
District: Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518, Fax: (0374) 2500231

SEAL OF TENDERER

TENDERER

SIGNATURE OF

Note: 1. Append separate sheet, if necessary.

2. Enclose self attested documentary Proof i.e. copy of LOI/WO & Completion Certificate in support of the above.



STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)
PROPOSAL EXHIBITS NO.8

SAFETY REQUIREMENTS

The contractor shall follow all safety rules and shall adhere to all kinds of safety precautions to safeguard against any mishap and damage to the men, material and machinery while carrying outwork in the execution site.

The contractor shall follow and practice without any prejudice, all the guidelines as per standard safety procedures.

The contractor shall provide as a minimum, the Safety precautions / PPE's/safety shoes as per standard safety norms.

SEAL OF TENDERER

SIGNATURE OF TENDERER



STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)

PROPOSAL EXHIBITS NO.9

SITE VISIT CONFIRMATION

This is to confirm that I / our Manager / Engineer Mr. _____ have / has visited site on _____ 2023 at _____ He met Mr. _____ of M/s. Assam Petro-Chemicals Limited, Namrup and has obtained all necessary information regarding Site location, Site conditions, Safety requirement, tentative location of Site office / Fabrication yard etc. and the nature of work to be executed.

SEAL OF TENDERER

SIGNATURE OF TENDERER

**STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)**PROPOSAL EXHIBITS NO.10VENDOR / SUPPLIER DATA

The contractor shall confirm below the vendors / suppliers that he will have for supplying basic materials required for the work, which fall in the scope of contractor's supply as per this order. The items shall include all supply items including locally procured materials etc. The contractor shall also supply necessary test certificates and carryout required special tests asked for by owner / Engineer in Charge prior to supply of items. Also all facilities shall be provided to the owner / Engineer in Charge to witness any or all of the tests. A quality plan to supply items shall be submitted to owner / Engineer in Charge and approval obtained.

Sr. No.	Item	Proposed Vendor List	Remark



TENDER NO : APL/C&P/Civil/Maint/2022-23/100

DATE : 24.01.2023

SEAL OF TENDERER

SIGNATURE OF TENDERER

Note: Append separate sheet, if necessary.



**STANDARD INSTRUCTION TO BIDDERS
(PROPOSAL EXHIBITS)**

PROPOSAL EXHIBITS NO.11

FINANCIAL STATUS QUESTIONNAIRE

A. ANNUAL TURNOVER:

Financial Year	Gross Turnover	Turnover against Works of Similar Nature
2021-2022		
2020-2021		
2019-2020		

B. PAN Number:

C. GST Registration No:

D. EPF Registration No.

E. ESI(Employees State Insurance) Registration No.:

F. P-Tax Registration :



TENDER NO : APL/C&P/Civil/Maint/2022-23/100

DATE : 24.01.2023

G. Bank A/C No. & IFS Code :

SEAL OF TENDERER

SIGNATURE OF TENDERER

Note: In support of the above enclose self attested copies of audited balance sheet and profit & loss a/c for the last three financial years. Enclose copies of certificates of registration with EPF & Income Tax authorities. Also enclose copies of I/Tax returns & GST / Service Tax assessment orders/returns for the last three financial years. All enclosed documents should be self attested by the bidder.

SECTION-5(B)Annexure-1**Form of Agreement**

This agreement is made at (Place of signing) on the
..... Day of the month of in the year
.....

BETWEEN

(Owner's name), a Company incorporated under the Companies Act 1956, having its Registered Offices at
..... (give full address) (hereinafter referred to as the "OWNER" and shall
include its successors and assigns) of the one part,

AND

.....(Contractor's name) a Company / Firm incorporated in India, having its
Registered Office at (give full address)

**requires, or admits, shall be deemed to include its heirs, successors, executors,
administrators, partners and its or their permitted successors and assignees) of the other
part.**

NOW, THIS AGREEMENT WITNESS AS FOLLOWS: WHEREAS, the OWNER intends to carry out the (specify)
described more in detail in the Scope of work under Clause (Specify) of the Special Conditions of Contract
and the relevant Technical Specifications (hereinafter referred to as the "Work")

AND WHERE AS the CONTRACTOR represents that he has sufficient experience in undertaking such work
and further represents that he has adequate experienced personnel for carrying out such work efficiently
and effectively with equipment of good running condition and have submitted their Tender No.
..... Dated to execute the said "work" in accordance with the
Scope of Work as here in above defined.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth and
other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the
OWNER and the CONTRACTOR hereby agree as follows:

ARTICLE 1**THE CONTRACT DOCUMENTS**

- 1.1 The contract Documents consist this Forms of Agreement, General Conditions of Contract Specifications, Bulletins Nos. (specify the nos. 1 to, if issued) issued prior to execution of this Agreement and Modification issued after execution of this Form of Agreement and shall fully form the Contract, and shall be as fully a part of the Contract as if attached to this Agreement or repeated herein. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral.
- 1.2 The Contract Documents shall be as below:
- a) This Agreement.
 - b) (List all the relevant documents forming part of the contract).
- 1.3 In the event of conflict between documents referred to in clause 1.2 above, the parties hereby agree that the order priority shall be as follows:
- a) This Agreement.
 - b) (List the documents in clause 1.2 in the order or priority).

ARTICLE 2**THE WORK OF THIS CONTRACT**

2.1 The CONTRACTOR shall execute the entire Work described in the Contract Documents, except to the extent specifically indicated in the Contract Documents to be the responsibility of others, upon the terms and conditions and within the time specified in the Contract Documents.

ARTICLE 3**RELATIONSHIP OF THE PARTIES**

- 3.1 The Contractor accepts the relationship of trust and confidence established by the Agreement and covenants with the OWNER to cooperate with the OWNER and utilize the CONTRACTOR'S best skill, efforts and judgment in furthering the interests of the owner to furnish efficient business administration and supervision; to make best efforts to furnish at all times and adequate supply of



expeditious and economical manner consistent with the interests of the OWNER. The Owner agrees to exercise best efforts to enable the CONTRACTOR to perform the work in the best way and in a most expeditious manner furnishing making payments to the CONTRACTOR in accordance with the stipulations under Article 6 – PAYMENTS.

- 3.2 The CONTRACTORS expressly acknowledges and agrees that the owner may from time to time designate a third party, for example but not in limitation, an engineer or third party agency, to perform any of its duties or obligations under this agreement. In the event of any such designation, the owner shall provide written notice thereof to the CONTRACTOR.

ARTICLE 4

DATE OF COMMENCEMENT AND COMPLETION

- 4.1 The date of commencement shall be the date fixed in the letter of Intent reference No. dated (hereinafter referred to as the “LOI”) issued by the OWNER.
- 4.2 The CONTRACTOR shall achieve the Final Completion of the entire work not later than days (*specify*) (*further specify if there are any special requirement e.g. delivery Ex-Works, FOR Site etc.*) from the date of LOI subject to adjustments of the Contract Time, if any, and as provided for in the Contract Documents.

ARTICLE 5

CONTRACT VALUE

- 5.1 The owner shall pay to the CONTRACTOR, for the CONTRACTOR’S performance of the Contract, the contract value of RS. (*Specify if any other currency*) (*specify in words*) subject to additions and deductions as provided for under relevant provisions of the Contract Documents.
- 5.2 Adjustments to the Contract Value on account of charges in the Work, if any shall be determined as provided for under relevant provisions of the General Conditions of Contract.

ARTICLE 6

PAYMENTS

- 6.1 Subject to the relevant provisions under the contract, the OWNER shall make payment on account of the Contract Value to the CONTRACTOR as provided below.
(Specify the Terms of Payment agreed in full) or (correct the clause with cross-reference to the relevant provisions in the Contract Documents).

ARTICLE 7**MISCELLANEOUS PROVISIONS**

- 7.1 Where reference is made in this Agreement to a provision of the General Conditions of Contract or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.
- 7.2 The OWNER shall recover as ascertained and agreed Liquidated Damages, and not by way of Penalty, a sum equivalent to 01% of the Contract Value for each week of delay, or part thereof, in completion subject to a maximum of 10% of the value indicated under Article 5 above.

ARTICLE 8**INDEMNIFICATION**

- 8.1 To the fullest extent permitted by law, the Contractor agrees to indemnify defend, and hold harmless, the Owner, the **Contractor**, and their respective servants and agents for and against any or all losses, damages, liabilities, claims, demands, suits, or causes of action (an "Injury", collectively "Injuries"), including, without limitation, reasonable attorneysfees, arising out of, or in any way connected with, the performance of (or failure to perform) the work or services under this Agreement, whether as a result of a breach of contract, tort liability or otherwise, but only to the extent that such Injuries are caused in whole or in part by any wrongful acts, negligence (whether active or passive, or any other kind), errors, or omissions of the Contractor , Contractor's employees, agents, consultants, or other representatives.

ARTICLE 9**JURISDICTION**

In respect of all legal matters, the court of Jurisdiction would be Dibrugarh.

ARTICLE 10**Notices**

- 9 Written Notice
- 9.1 All notices given under the Contract Documents shall be in writing and shall be deemed to have been properly served if delivered as follows:
- (a) If to the Owner:
(specify)

(full address) &

Attention of



with a copy to: (consultant)

(Specify)

Attn: Mr.

(b) If to the Contractor:

(Specify) _____

or to such other address or addresses as any party entitled to receive notice hereunder designate to all other parties in the manner provided herein for the service of notice.

IN WITNESS WHEREOF the authorized representative of the parties hereto have hereunto set their respective hands on two originals of this Agreement on the day, month and year first above written.

Owner Contractor

(Specify) (Specify)

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Witness

Witness:

By: _____

By: _____

Title: _____

Title: _____

Seal:

Seal:

**BANK GUARANTEE FOR SECURITY / PERFORMANCE GUARANTEE / DEFECT LIABILITY OF THE OBLIGATIONS OF VENDOR / CONTRACTOR**

(On non-judicial stamp paper of appropriate value)

To,

ASSAM PETROCHEMICAL LTD.

4th Floor, Orion Place, G.S Road,

Bhangagarh, Guwahati 781005,

India(Assam)

IN CONSIDERATION OF THE ASSAM PETROCHEMICAL LTD. a Company registered under the Companies Act 1956/2013, having its registered office at 4th Floor, Orion Place, G.S Road, Bhangagarh, Guwahati 781005, Assam (hereinafter called "the Corporation" which expression shall include its successors and assigns) having awarded to M/s _____ a partnership firm/sole proprietor business/a company registered under the.....

Companies Act, 1956 having its office at _____ (hereinafter referred to as "the Vendor"/contractor" which expression shall wherever the subject or context so permits includes its successors and assigns) a supply/work contract in terms inter alia, of "the Corporation's" Order No. _____ dated _____ and the General purchase/contract conditions of "the Corporation" and upon the condition of "Vendor's"/ contractor's furnishing security for the performance of "the Vendor's"/ contractor's obligations and/or discharge of "the Vendor's"/ contractor's liability under and/or in connection with the said supply/ works contract upto a sum of Rs _____ (Rupees _____) amounting to 5% / 10% (five / ten percent) of the total order / contract value.

We, _____ (hereinafter called "the Bank" which expression shall include its successors and assigns) hereby jointly and severally undertake and guarantee to pay to "the Corporation" in rupees forthwith on demand in writing and without protest or demur of any and all moneys anyway payable by "the Vendor"/ contractor" to "the Corporation" under, in respect of or in connection with the said supply/ works contract inclusive of all the Corporation's losses and damage and costs, (inclusive between attorney and client) charges, and expenses and other moneys anyway payable in respect of the above as specified in any notice of demand made by "the Corporation" to the Bank with reference to this Guarantee upto and aggregate limit of Rs. _____ (Rupees _____) and "the Bank" hereby agrees with "the Corporation" that:

1. This Guarantee/Undertaking shall be a continuing Guarantee / Undertaking and shall remain valid and irrecoverable for all claims of "the Corporation" and liabilities of "the Vendor"/ contractor" arising upto and until midnight of _____

2. This Guarantee/Undertaking shall be in addition to any other guarantee or security whatsoever that "the Corporation" may now or any time anywise have in relation to "the Vendor's/ contractor's obligation/liabilities under and/or connection with the said supply/ works contract, and "the Corporation" shall have full authority to take recourse to or enforce this security in preference to the other security(ies) at its sole discretion and no failure on the part of "the Corporation" to enforcing or requiring enforcement to any other security shall have the effect of releasing "the Bank" from its full liability hereunder.

3. "The Corporation" shall be at liberty without reference to "the Bank" and without affecting the full liability of "the Bank" hereunder to take any other security in respect of "the Vendor's/ contractor's obligation and/or liabilities under or in connection with the said supply/ works contract and to vary the term vis-a-vis "the Vendor"/ contractor" of the said supply/ works contract or to grant time and/or indulgence to "the Vendor"/ contractor" or to reduce or to increase or otherwise vary the prices of the total contract value or to release or to forebear from enforcement of all or any of the obligations of "the Vendor"/ contractor" under the said supply/ works contract and/or the remedies of "the Corporation" under any other security(ies) now or hereafter held by "the Corporation" and no such dealing(s), variation(s) or other indulgence(s) or agreement(s) with "the Vendor"/ contractor" or release of forbearance whatsoever shall have the effect of releasing "the Bank" from its full liability to "the Corporation" hereunder or of prejudicing rights of "the Corporation" against "the Bank".

4. This Guarantee/Undertaking shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of "the Vendor"/ contractor" but shall in all respects and for all purposes be binding and operative until payment of all moneys payable to "the Corporation" in terms hereof.

5. "The Bank" hereby waives all rights at any time inconsistent with the terms of this Guarantee/Undertaking and the obligations of "the Bank" in terms hereof shall not be anywise affected or suspended by reason of any dispute having been raised by "the Vendors"/ contractor" (whether or not pending before any arbitrator, officer, tribunal or court) or any denial of liability by "the Vendor"/ contractor" or any other order of communication whatsoever by "the Vendor"/ contractor" stopping or preventing or purporting to stop or prevent any payment by "the Bank" to "the Corporation" in terms hereof.

6. The amount stated in any notice of demand addressed by "the Corporation" to "the Bank" as liable to be paid to "the Corporation" by "the Vendor"/ contractor" or as suffered or incurred by "the Corporation" on account of any losses or damages or costs, charges/and/or expenses shall be as between "the Bank" and "the Corporation" be conclusive of the amount so liable to be paid to "the Corporation" or suffered or incurred by "the Corporation", as the case may be, and payable by "the Bank" to "the Corporation", in terms hereof.

7. Notwithstanding anything contained herein above:

i) Our liability under this guarantee shall not exceed Rs.....

ii) This Bank Guarantee shall be valid up to and including; and

iii) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or # *before the expiry of 30 days from the date of expiry of this guarantee.*

8. "The Bank" has power to issue this guarantee in favour of "the Corporation" in terms of the documents and/or the agreement/contract or MOU entered into between "the Vendor"/ contractor" and "the Bank" in this regard.

IN WITNESS Where of _____ Bank, has executed this document at _____ on _____ Bank

(by its constituted attorney)

(signature of a person authorized to sign on behalf of "the Bank")

INTEGRITY PACT**BETWEEN**

Assam Petro-chemicals Ltd., hereinafter referred to as "The Principal",
AND

..... hereinafter referred to as "**The Bidder / Bidder**".

Preamble

The Principal intends to award, under laid down organizational procedures, Contract/s for _____ The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Bidder/s.

In order to achieve these goals, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 -Commitments of the Principal

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

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

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

Section 2 - Commitments of the Bidder / Bidder

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

- a) The Bidder / Bidder will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

- b) The Bidder / Bidder will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices,

specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

- c) The Bidder / Bidder will not commit any offence under the IPC / PC Act; further the Bidder / Contactor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship

- d) The Bidder / Bidder will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

- (2) The Bidder / Bidder will not instigate third persons to commit offences outlined above or be an accessory to such offences.

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

If the Bidder, before award of contract has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

- (1) If the Bidder / Bidder has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder / Bidder from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.
- (2) The Bidder accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion
- (3) Apart from the above, the Principal may take action for banning of business dealings / holiday listing of the Bidder as deemed fit by the Principal.
- (4) If the Bidder / Bidder can prove that he has restored / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.
- (5) A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

Section 4 - Compensation for Damages

- 1) Without prejudice to any rights that may be available to the Principal under law or the Contract or its established policies and laid down procedures, the Principal / Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder/ Bidders): Forfeiture of EMD / Security Deposit: If the Principal has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated the Contract or has accrued the right to terminate the Contract according to Section 3, the Principal apart from exercising any legal rights that may have accrued to the Principal, may in its considered opinion forfeit the Earnest Money Deposit / Bid-Security amount of the Bidder / Bidder.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Bidder liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit / Performance Bank Guarantee, whichever is higher.

(3) The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder / Bidder can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder / Bidder shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 -Previous Transgression

(1) The Bidder declares that no previous transgressions occurred in the last 3 years with any other Company in any country conforming to or with any other Public Section Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can" be terminated for such reason.

(3) If the Bidder / Bidder can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may, at its own discretion as per laid down organizational procedures, revoke the exclusion prematurely.

Section 6 - Equal treatment of all Bidders / Bidders / Sub-Bidders

(1) The Bidder / Bidder undertake to demand from all sub bidders a commitment in conformity with this Integrity Pact. The Bidder / Bidder shall be responsible for any violation(s) of the principles laid down in this agreement / Pact by any of its Subbidders / Sub-vendors.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Bidders.

(3) The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 - Criminal charges against violating Bidders / Bidders / Sub- Bidders

If the Principal obtains knowledge of conduct of a Bidder, Bidder or Sub-Bidder or of an employee or a representative or an associate of a Bidder, Bidder or Sub-Bidder which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will report to appropriate authority in this regards.

Section 8 - External Independent Monitor / Monitors (number depending on the size of the contract to be decided by the Chairperson of the Principal)

- (1) The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently.
- (3) The Bidder accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Bidder. The Bidder will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Sub-bidders. The Monitor is under contractual obligation to treat the information and documents of the Bidder / Bidder / Sub-contractor with confidentiality.
- (4) In case of tenders having an estimated value of Rs.100 Crore, the Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder.
- (5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (6) The Monitor will submit a written report to the CEO of the Principal within 2 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
- (7) If the Monitor has reported to the CEO of the Principal substantiated suspicion of an offence under the IPC / PC Act and the CEO has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India,
- (8) The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

This Pact begins when both the parties have legally signed it. It expires for the Bidder / Bidder 12 months after the completion of work under Contract or till the continuation of guarantee period, whichever is more and for all other bidders, till the contract is awarded.

If any claim is made / lodged during this time, the same shall continue to be valid despite the lapse of this pact as specified it is discharged / determined by the CEO of the Principal.

Section 10 - Other Provisions

- 1) This agreement is subject to Indian as well as state of Assam local laws. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Guwahati.
- 2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 3) If the Bidder is a partnership or a consortium, this agreement must be signed by all partners or consortium members.



4) Should one or several provision of this agreement turn out to be invalid the remainder of this agreement remains valid. In this the parties will strive to come to an agreement to their original intentions.

FOR THE PRINCIPAL

FOR THE BIDDER/BIDDER

WITNESS 1

WITNESS 2

Place : _____

Date : _____

Schedule of Rates

PART A

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
1	EARTH WORKS :				
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m as directed by Engineer-in-charge.				
1.2	All kinds of soil	85.5000	Cum	174.11	14886.41
1.3	Supplying and filling sand gravel in foundation trenches/ pits, side berms of road open parking area over slushy soil including pumping out water (if necessary), ramming etc. complete for strengthening the bearing capacity of the soil/sub soil as directed and specified.	8.2000	Cum	837.45	6867.09
1.4	With river sand / silt by truck carriage including loading and unloading.	10.2000	Cum	1831.61	18682.42
1.5	With stone dust by truck carriage including loading and unloading.	10.2000	Cum	481.16	4907.83
1.6	Clearing grass and removal of the rubbish up to a distance of 50m outside the periphery of the area cleared.	10.5000	Cum	6.27	65.84
2	CEMENT CONCRETE WORK :				
2.1	Providing and laying in position plain cement concrete (P.C.C) of specified grade excluding the cost of centering and shuttering- All work up to plint level.				

2.2	In proportion of 1:5:10	2.7000	Cum	5127.92	13845.38
2.3	Plain cement concrete works with coarse aggregate of size 13 mm to 32 mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary. (Cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag Excluding GST)				
2.4	In proportion of 1:3:6	7.2100	Cum	4820.33	34754.58
2.5	In proportion of 1:4:8	5.1000	Cum	4368.65	22280.12
2.6	In proportion of 1:5:10	3.5000	Cum	4008.37	14029.30
2.7	Plain Cement concrete floor base in proportion 1:3:6 laid in alternate bays as specified with coarse aggregate of size 13mm to 32mm including dewatering if necessary and curing etc. complete.(Cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag Excluding GST)				
2.8	35 mm thick	4.9000	Sqm	217.72	1066.83
2.9	50mm thick	3.8500	Sqm	284.4	1094.94
2.1	100mm thick	4.2000	Sqm	552.35	2319.87
2.11	Providing and laying plain/reinforced cement concrete works , cement, coarse sand and 20mm down graded stone agg. Including dewatering if necessary, and curing complete (Form work and reinforcement will be measured and paid seperately.) (cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag Excluding GST)				
2.12	Without using Admixture, plasticiser				
2.13	M15 grade concrete or prop. 1:2: 4	5.0000	Cum	6570.41	32852.05
2.14	Providing and laying damp proof course 40 mm thick with cement concrete in prop 1:2:4 (1 cement:2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources)	30.1000	Sqm	314.29	9460.13
3	TIMBER SHUTTERING (FORMWORK) :				
3.1	Providing Form Work of ordinary timber planking so as to give a rough finish including centering, shuttering and propping etc. height of propping and centering below supporting loor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in:	15.0000	Sqm	260.98	3914.70
3.2	Providing Bamboo Scaffolding up to a height of 6.5 M including 2nd class timber plank	145.0000	Sqm	56.39	8176.55

	platforms and removal of the same complete as directed & specified (measurement to be taken on elevation area of the building / structure).				
4	MASONARY WORKS :				
4.1	Providing Soling in foundation and under floor with stone/best quality picked jhama brick, sand packed and laid to level and in panel after preparing the sub grade as directed including all labour and materials and if necessary dewatering, complete.				
4.2	Brick on flat soling.	50.0000	Sqm.	340.44	17022.00
4.3	Filling Sunken Floor with broken jhamma brick bats and sand including compacting and supplying of materials complete as specified and directed for all levels.	2.5000	Cum	4854.36	12135.90
4.4	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed.				
4.5	In Sub-Structure upto plinth level including dewatering if necessary.				
4.6	In proportion 1:4	10.1000	Cum	5832.49	58908.15
4.7	1st class brick nogged wall (112 mm thick) in cement mortar including racking out joints and curing complete as directed in super structure above plinth upto 1st floor level (protruding M.S rod/Tor steel of column to be embedded in cement mortar & will be measured and paid separately)				
4.8	In cement mortar in proportion 1:4	50.0000	Sqm	730.54	36527.00
4.9	1st class brick nogged wall (75 mm thick wall) in cement mortar including racking out joints and curing complete as directed in super structure above plinth upto 1st floor level (protruding M.S rod/ Tor steel of column to be embedded in cement mortar & will be measured and paid separately)				
4.1	In cement mortar in proportion 1:4	5.0000	Sqm	547.44	2737.20
4.11	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos. 6 mm dia M.S bars at every third course of masonry work.	20.0000	cum	7534.95	150699.00
4.12	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement: 3 fine sand)	5.0000	Sqm	296.07	1480.35
5	FLOOR AND FLOOR FINISH :				

5.1	Cement concrete works in topping 1:1:2 on RCC floor, tread and rise of steps, kitchen slab etc finished with a floating coat of neat cement using cement slurry for bond @ 2.75 kg of cement per sqm of floor to be laid in panels including curing complete as directed.				
5.2	15 mm Thick	75.0000	Sqm	254.52	19089.00
5.3	20 mm Thick	75.0000	Sqm	303.61	22770.75
5.4	25 mm thick cement concrete topping 1:2:4 finished with a floating coat of neat cement slurry to be laid in panels including curing complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag Excluding GST)	10.0000	Sqm	252.93	2529.30
5.5	40 mm thick cement concrete floor consisting of 25mm under layer of cement concrete in prop 1:3:6 and 15 mm thick wearing layer in cement concrete in proportion 1:1:2 finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square meter of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag Excluding GST)	10.0000	Sqm	455.35	4553.50
5.6	65 mm thick cement concrete floor consisting of 53 mm under layer of cement concrete in prop. 1:3: 6 and 12mm thick wearing course of cement sand plaster in prop. 1:2 laid in panels and finished with a coat of neat cement finish including curing etc. complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag Excluding GST)	15.0000	Sqm	573.89	8608.35
5.7	40 mm thick red oxide floor with under layer of 30 mm thick cement concrete in prop. 1:3:6 and top layer of 10 mm thick plaster of cement red-oxide of iron per 50 kg of cement in prop. 1:3 (1 cement re oxide : 3 coarse sand) finished with a floating coat of neat cement red oxide mix of same proportion.	10.0000	Sqm	496.41	4964.10
5.8	Providing Ceramic tiles of approved quality, size, shape and thickness not less than 8mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 including cutting where necessary finished with flush pointing with fix-A Tile Choksey/ Sika/ Pedelite/Rouf/ White cement slurry mixed with approved pigment to match the				

	shade of granite slab, complete at all levels as specified and directed.				
5.9	On Floor				
5.1	Executive range(Somany/orient/Nitco/Asian Make)				
5.11	Size 300mm × 300mm and above.	22.0000	Sqm	691.09	15203.98
5.12	Providing Polished ceramic Tiles of approved quality, size, shape and thickness not less than 8mm thick on walls and skirting over cement mortar bed 10mm thick in prop. 1:3 including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/ Sika/Pedelite/ Rouf/ White cement slurry) mixed with approved pigment to match shade of tiles complete at all levels as specified and directed.				
5.13	Delux range Somany/ Orient/ Nitco/ Varmora Make.				
5.14	Of size 300mm × 450mm and above	15.0000	Sqm	1045.98	15689.70
5.15	Providing Vitrified floor tiles of approved quality of specified size, shape and thickness not less than 18mm o floors, skirtings, risers and treads of steps over 15mm thick base of cement mortar I prop.1:3 including cutting where necessary finished with flush pointing with Fix-A-Tile white cement slurry mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed.				
5.16	Normal range (Somany/ Orient/ Nitco/ Varmora/ Jhonson make)				
5.17	Of size 600mm × 600mm and above.	100.0000	Sqm	1366.8	136680.00
5.18	Providing Anti skid tiles of approved quality, size, shape and thickness not less than 8mm on floors, skirtings,over a cement mortar bed 15mm thick of 1:3 approved make fix with Fix-A-Tile/ white cement complete at all level as specified and directed.				
5.19	CERAMIC				
5.111	Normal Range (Sizes 300mm × 300mm and above)				
5.112	Orient made: Galaxy Brown, Galaxy Creama, Galaxy Pink, Galaxy Green, Pulsar Beige,				
5.113	Pulsar Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj Green, Burj Slate.	11.0000	Sqm	780.92	8590.12
5.114	Providing polished granite slab of approved quality, size, shape and thickness not less than 18 mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile Choksey/Sika/Pedelite/Rouf/ white cement slurry mixed with approved pigment to match				

	the shade of granite slab, complete at all levels pecified and directed.				
5.115	Executive Quality	5.0000	Sqm	2969.03	14845.15
5.116	Providing, supplyimg and fixing Vinyl Flooring for general purpose of specified thickness, robust or equivalent using adhesive fevicol SR 998, thermo welddding joining as per requirement etc. completye of approved brand as per the manufactures specification and directed by the department. The joints in the flooring will be sealed by using a PVC welding bar of matching color. The cost is included for supply and fixing of self leveling compound (2- 3mm approx thick) all complete as per direction of Enginner-in-charge.				
5.117	1 mm thick	15.0000	Sqm	763	11445.00
5.118	1.5 mm thick	20.0000	Sqm	933	18660.00
5.119	Cement plaster skirting with cement mortar in prop. 1:3 finished with a floating coat of neat cement including rounding of junctions with floor				
5.1111	15 mm thick	20.0000	Sqm	258.75	5175.00
5.1112	20 mm thick	21.0000	Sqm	298.34	6265.14
5.1113	Providing edge moulding to 18mm thick marble stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-charge				
5.1114	Marble work	20.0000	Rm	207.55	4151.00
5.1115	Granite work	20.0000	Rm	354.97	7099.40
5.1116	Fitting ceramic tiles/ vitrified tiles/ anti skid tiles of approved quality, size, shape and thickness not less than 8 mm to 18 mm thick on walls, floors and skirting over cement mortar bed 10 mm thick in prop. 1:3 including cutting where necessary finished with flush pointing with Fix-A- Tile (Choksey/sika/pedelite/rouf/white cement slurry) mixed with approved pigment to match shade of tiles complete at all levels as specified and directed (Tiles will be provided by civil deptt.)	50.0000	Sqm	455	22750.00
6	PLASTERING :				
6.1	15 mm thik cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag Excluding GST)				

6.1.I	On rough side.				
6.1.I.a	In cement mortar prop. 1:6	42.5000	Sqm	249.46	10602.05
6.1.I.b	In cement mortar prop. 1:4	100.0000	Sqm	300.43	30043.00
7	CEILING WORKS :				
7.1	Providing, fitting & fixing 4 mm thick A.C building board in ceiling with necessary nails, wood screws etc. including 1st class localwood 50 mm x 12 mm beading complete as directed and specified.	85.0000	Sqm	655.45	55713.25
7.2	Providing, fitting & fixing poly-coated hessian cloth in ceiling with necessary tacks, tapes etc. including 1st class localwood 50 mm x 12 mm beading complete as directed and specified.	25.0000	Sqm	256.97	6424.25
7.3	Supplying, fitting, fixing and painting (one coat primer and two coats of paint) M/F Suspended ceiling which includes GI perimeterchannels of size 0.55 mm thick (having one flange of 20 mm and another flange of 30 mm and a web of 27 mm) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of nylon sleeves and screws, at 610 mm c/c. Then suspending GI intermediate channels of size 45 mm (0.9 mm thick with two equal flanges of 15 mm each) from the soffit at 1220 mm c/c with ceiling angle of width 25 mm x 10 mm x 0.55 mm thick fixed to soffit with GI cleat and steel expansin fasteners. Ceiling section of 0.55 mm thickness having knurled web of 51.5 mm and two equal flanges of 26 mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457 mm c/c, 9.5 mm/12.5 tapered edge Gypboard is then screw fixed to ceiling section with 25 mm long drywall screws at 230 mm c/c. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally, the boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compounds, joint paper tape and two coats of drywall topcoat suitable for Gypboard complete at all levels as specified and directed.				
7.3.a	12.5 mm thick	25.0000	Sqm	1056.83	26420.75
8	ROOFING AND ROOF TREATMENT :				
8.01	Providing corrugated Galvanised Iron Sheet roofing of TATA SHAKTEE/ SAIL (0.63 mm thick) including fitting and fixing necessary	35.0000	Sqm	828.85	29009.75

	galvinesed J or L hooks, bolts and nuts 8mm dia with bitumen washers 25mm dia x 3 mm thick and 1.6mm thick limpet washers complete excludng the cost of roof truss, purlin etc. to be measured and paid seperately.				
8.2	Providing galvinesed iron ridging 0.63mm thick and 230mm lapping of TATA SHAKTEE/SAIL including supplying and fixing necessary galvd screws/washers etc. complete as directed.	50.0000	RM	374.25	18712.50
8.3	Labour for fitting and fixing Galvinesed corrugated iron roofing including supplying and fixing with new galvd. Screws, J hook, bolts nuts washer etc. complete as directed.				
8.3.a	CGI Sheet	122.0000	Sqm	135.55	16537.10
8.3.b	b. stos Sheet	155.0000	Sqm	165.35	25629.25
8.4	Labour for taking out and refitting Ridging including supplying and fixing necessary galvd. Screws, bolts and nuts complete as directed.				
8.4.a	Galvanised Iron Ridging	60.5000	RM	74.89	4530.85
8.4.b	Asbestos Ridging	100.0000	RM	91.34	9134.00
8.5	Providing 13 mm mesh hexagonal wire net made of one IS designation (1mm dia) wire above post plate in eaves with Ist class Hollock/Bonsum/ Sundi timber to fit exactly with the corrugation of roofing sheet including kiricide oiling two coats to timber works complete as directed. (bird proof net)	35.0000	Sqm	610.35	21362.25
8.6	Providing 0.63 mm thick (24 gauge) galvinised plain sheet in valley, lining, flashing etc. and fitted with gavd. Iron J or L hooks, bolts and nuts, GI limpet and bitumen washers.	11.0000	Sqm	735.6	8091.60
8.7	Providing bracket made out of MS flat, bent to proper size and shape as per drawings and fitting with necessary bolts and nuts, sand washers etc. for fixing AC/ GI sheet gutters with purlins.	12.0000	kg	227.94	2735.28
8.8	Providing and laying four course water proofing treatement with bitumen felt over roof consisting of first and third courses of blown or residual bitumen applied hot @ 1.45kg per sq.m of area for each course second course of roofing with felt type 3 grade 1 (hessian base self finished bitumen) and fourth and final coursewith stone grit 6mm and down size, felt pea gravel spread @ 0.006m3 per sq.m including preparation of surface, excluding grouting etc. asdirected and specified.	25.0000	Sqm	466.12	11653.00
8.9	Providing corrugated 1.20mm thick transparent fibre sheet roofing including fitting	10.0000	Sqm	1481.82	14818.20

	and fixing necessary galvanised J or L hooks, bolts and nuts of 8mm dia with bitumen washer 25mm dia × 3mm thick and 1.6 mm thick limpet washer complete excluding cost of roof truss, purlins etc. (Roof trusses, purlin etc. to be measured and paid separately.)				
8.1	Providing 1.2 mm thick transparent fibre sheet ridging 1.2 mm thick and 300mm lapping including supplying and fixing galvanised screws/ washers etc. complete as specified and directed.	25.0000	RM	254.25	6356.25
8.11	Providing and laying bitumin felt of type 3 grade 1 (hessian base self finished) as water proofing treatment of leaking slope roof (CGI / CAC Sheet) over and including a first course of hot bitumen applied evenly over the affected area @ 1.45 kg/sqm after properly cleaning the roof surface by wire brush & sand paper as directed.	25.0000	Sqm	372.9	9322.50
8.12	Providing and fixing precoated galvanised iron profile sheets (0.50mm) (size, shape and pitch of corrugation as approved by Engineer-in-charge) with zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	20.0000	Sqm	866.56	17331.20
8.13	Providing colour coated (Iron plastic laminated sheet) ridging (0.65mm thick) including supplying and fixing necessary galvanised screws / washer etc. complete as specified and directed.	20.0000	Rm	498.92	9978.40
8.14	Providing, fitting and fixing of asbestos sheet including fitting and fixing necessary galvanised J or L hooks, bolts and nuts 8 mm dia with bitumen washers 25 mm dia x 3 mm thick and 1.6 mm thick limpet washers complete excluding the cost of roof truss, purlin etc. to be measured and paid separately.	100.0000	Sqm	462.1	46210.00
8.15	Providing reinforced by organic fibre cement 6 mm thick corrugated sheet roofing upto any pitch and fixing with J or L hooks, bolts and nuts 8 mm dia GI plain and bitumin washers or with self drilling fastener and EPDM washers etc complete including cutting sheets to size	20.0000	Sqm	391.62	7832.40

	and shape wherever required.				
8.16	Providing and fixing fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I seam bolt sand nuts, GI plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete				
8.17	Corrugated apron pieces	30.0000	Sqm	308.82	9264.60
8.18	North light curves	25.0000	Sqm	418.28	10457.00
8.19	Ventilator curves	25.0000	Sqm	454.21	11355.25
8.111	Special north light curves	25.0000	Sqm	744.57	18614.25
8.112	S type louvers	25.0000	Sqm	404	10100.00
8.113	Providing and fixing precoated galvanised iron profile sheets (0.50mm) total coated thickness with zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	20.0000	Sqm	569.13	11382.60
8.14	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05%) total coated thickness, zinc coating 120 grams per sqm AS PER is:277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete:				
8.15	Ridges plain (500-600 mm)	15.0000	Metre	381.88	5728.20
8.16	S type louvers	15.0000	Metre	941.23	14118.45
9	WOOD WORKS :				
9.01	Providing wood works in frame (chowkath) of doors, windows, clerestory windows and other similar works with Ist class locally available timber ((Bonsum/Sundi))	2.5000	Cum	90445.92	226114.80

	wrought,framed and fixed in position in contact with CC or brick masonry wall including supplying, fitting and fixing with MS hold fast as per design embeded in cement concrete block in prop.1:2: 4 with two coats of kiricide oil to the timber faces in contact with CC or masonry as directed and specified.				
9.02	Providing undressed wood works in roof trusses, rafter, tie, purlin and the like including other including hoisting and fixing in position (with 1st class locally available timber) with necessary spikes, nails, MS straps with bolts and nuts etc. complete with kiricide oiling two coats to all timber.	2.4000	Cum	98629.27	236710.25
9.03	Providing wood work in frame of false ceiling partitions etc. sawn, wrought, framed hoisted and fixed in position with spikes, nails,M.S flat, angle/cleats with bolt and nuts complete including kiricide oiling two coats to unexposed surfaces of the timber (M.S flats, angle cleats, and boltsand nutsrequired for flat, angle cleats wherever necessary shall be measured and paid separately).				
9.3a	With gamari/Bonsum/Sundi	1.5000	Cum	82273.9	123410.85
9.4	Providing barge board of size 200 x 20 mm with 1st class local wood Hollock/ Bonsum timber including fitting and fixing with necessary wood screws etc. complete.	22.0000	RM	392.72	8639.84
9.5	Providing and fixing 12mm thick and 150mm wide pelmet with 25 mm dia wooden curtain rod and bracket including fixing with 15mmx 3mm MS flat 100mm long plugs complete.				
9.5.a	Veneered particle board (12 mm thick)	30.0000	Rm	531	15930.00
9.5.b	First class local wood (Gamari)	35.0000	Rm	433.53	15173.55
9.6	Providing and fixing wooden handrail 100mm x 60mm rounded hand rails in straight lengths complete.				
9.6a	1st class local wood (Gamari/Bonsum)	12.0000	RM	638.43	7661.16
9.7	Providing and fixing 25mm x 25mm 1st class timber balustrade 25mm x 25 mm square, wrought fixed with ends housed to hand rails and trends complete.	10.0000	RM	247.84	2478.40
9.8	Providing 1st class local wood ventilating louvers in 50mm x 38mm size wooden frame with 150mm x 20mm slate made of 1st class local wood including fitting and fixing with nails and painting with two coats of kiricide oiling complete.	2.5000	Sqm	1896.6	4741.50
9.9a	Providing , fitting and fixing 1/3 panelled 2/3 glazed wooden shutters for doors/windows with 1st class local wood including oxidised iron butt hinges (100mm x 75mm x 3.55mm) with necessary screws including glass panes .				

9.9b	35 mm thick.	2.0000	Sqm	4528.92	9057.84
9.1	Providing , fitting and fixing of 35 mm thick full panelled doors/ windows including oxidised MS butt hinges (100mm x 75mm x 3.55mm) with necessary screws.	29.0000	Sqm	3139.52	91046.08
9.11a	Providing, fitting & fixing factory made wooden panelled doors with panel inserts of 75mm to 50mm width and 12mm to 20mm thickness, joined together with continuous tongue and groove joints glued together with Movicol or other approved adhesive leaving a vertical groove of 7.5mm to 15mm between the inserts, the edges of panel inserts being feather tongue into styles and rails including providing 3 pairs of oxidised M.S butt hinges and furnishing with moulded timber beading of size 25mm x 15mm around the panels complete as per drawing.				
9.11b	With 1st class local wood (Bola/Sundi)				
9.11c	30mm thick with panel inserts of 20mm thickness.	15.0000	Sqm	2541.05	38115.75
9.12a	Providing, fitting and fixing 1st class local wood battened, ledged and braced door and window shutters including oxidised iron butt hinges (100mm x 58mm x 1.9 mm) 6 nos with necessary screws.				
9.12b	25 mm thick				
9.12c	Using Gameri Wood	3.5000	Sqm	3709.28	12982.48
9.13a	Providing, fitting and fixing fully glazed window with sash bars including oxidised M.S butt hinges 2 nos on each leaf and 3 nos on single leaf.				
9.13b	With 1st class local wood				
9.13c	35 mm thick.	15.0000	Sqm.	2030.17	30452.55
9.14	Providing, fitting and fixing fully glazed window without intermediate sash bars including oxidised MS butt hinges (75mm x 60mm x 3.15 mm) 2 nos on each leaf and 3 nos. single leaf (glass panes to be measured and paid seperately).	2.0000	Sqm.	3559.85	7119.70
9.15a	Providing, fitting and fixing fully glazed wooden door shutter with necessary butt hinges, screws etc complete as per approved drawing as directed and specified at all level. (fittings ie tower bolt, door handle, aldrop, glass panes etc should be measured and paid separately)				
9.15b	With 1st class Local Woo				
9.15.c	35 mm thick	2.5000	Sqm	1821.02	4552.55
9.15.d	40 mm thick	2.5000	Sqm	1922.72	4806.80
9.16	Providing and fixing 25 mm thick wooden shutters for cup board including black enamelled MS butt hinges (75mm x 40mm x	15.0000	Sqm	3321.22	49818.30

	1.12mm) 6 nos. with necessary Using particle / block board with 12 mm thick.				
9.17	Supplying, fitting and fixing 30 mm thick flush door shutter made of phenol bonded Duratuff exterior grade plain medium density fibre board using 4 nos. of hinges 125mm long ensuring that the hinges are not fixed less than 150mm from the edges.				
9.17a	Decorative type	20.0000	Sqm	2388.67	47773.40
9.17a	Non- Decorative type	21.0000	Sqm	1594.95	33493.95
9.18	Providing, fitting and fixing fly-proof galvd. M.S. wire gauge of I.S. designation 85 G with wire of dia. of 0.56mm to windows and clerestory windows including timber beading of size 50mmx 20mm complete.				
9.18a	With 1st class local timber bead	15.0000	Sqm	987.25	14808.75
9.19	Applying one coat of wood preservative on previously created wood and wood based surfaces, including preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter, sand papering and knotting.				
9.19a	With kiricide oil.	88.0000	Sqm	21.93	1929.84
9.2	Providing, fitting and fixing dressed timber (1st class local wood) ceiling beads of cross sectional size 50 x 20 mm edges chamfered and fixed with necessary nails etc. including removing damaged beads on existing ceiling complete as directed and specified.	52.5000	Rm	68.25	3583.13
9.2	Providing, fitting and fixing wire gauge (Jali) shutter for windows, ventilators etc. in 30mm thick wooden (1st class locally available timber) framing with galvanized MS wire mesh of IS: DESIGNATION 85G of wire dia 0.56 mm including oxidized iron butt hinges with screw wherever necessary complete as directed and specified.	4.5000	Rm	2661.27	11975.72
9.21.a	Providing 40x5 flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	50.0000	Each	164.71	8235.50
9.22	Providing, fitting and fixing 22 gauge aluminium plain sheet on inside faces of toilet/bathroom wooden doors to act as a protective layer against water complete as directed and specified.	9.5000	Sqm	591.69	5621.06
9.23	Providing and fixing 1st class timber beading for fixing clear sheet glass / frosted glass including applying a coat of wood preservative on unexposed surface.	20.0000	R.M	202.72	4054.40
10	GRILL WORKS :				
10.1	Providing, fitting and fixing MS round bars with MS flat stiffeners at required spacing In	15.5000	Kg	83.51	1294.41

	wooden frames of windows and clerestory windows.				
10.2	Providing, fitting and fixing MS grill of required pattern for windows/ clerestory windows / opening with MS flats at required spacing in frame all round MS bars with round headed bolts and nuts or screws.				
10.2.A	Plain grill				
10.2.A.a	Fixed to wooden frames.	10.5000	Kg	167.55	1759.28
10.2.A.b	Fixed to Steel frames	10.5000	Kg	153.39	1610.60
10.2.A.c	Fixed to Brickwork / PCC / RCC	10.5000	Kg	99.64	1046.22
10.2.B	Ornamental grill				
10.2.B.a	Fixed to wooden frames.	10.5000	Kg	113.79	1194.80
10.2.B.b	Fixed to Steel frames	10.5000	Kg	112.93	1185.77
10.2.B.c	Fixed to Brickwork / PCC / RCC	10.5000	Kg	119.24	1252.02
11	ALUMINIUM / PVC DOORS, WINDOWS AND OTHER WORKS :				
11.1	Providing, fitting and fixing Anodised aluminium glazed doors with anodised aluminium frame made of 100mm x 45mm x 2.5mm section of approved brand (HINDALCO/NALCO/BALCO/ JINDAL other equivalent primary producers with door style of size 88mm x 45mm x 2.5mm, 50mm x 45mm x 2mm , lock rails 100mm x 45mm x 2.5mm fitted with glazing clips, special type rubber gasket complete including hydraulic floor spring, pivot, tower bolts in each leaf.				
11.1.a	6 mm clear glass.	10.0000	Sqm	11702.98	117029.80
11.1.b	5 mm clear glass.	10.0000	Sqm	11746.44	117464.40
11.1.c	Prelaminated Board	10.0000	Sqm	11797.12	117971.20
11.2	Providing, fitting and fixing Anodised aluminium framed glazed doors with partition walls partly glass and partly prelaminate board with anodised aluminium frame made of approved brand 100mm x 43mm x 2mm section with doors style of size 81mm x 43mm x 2mm, top rail 46mm x 43mm x 2mm, lock rail 81mm x 43mm x 2mm, fitting with glazing clips, special rubber gasket complete including hydraulic floor spring pivot aluminium door handle lock angles clear etc. complete as directed and specified.				
11.2a	5mm thick glass panes with 12mm laminated particle board.	10.0000	Sqm	4069.95	40699.50
11.3	Providing, fitting and fixing Anodised aluminium sliding windows and ventilators of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded and providing and fixing handles,				

	angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.				
11.3.A	A. 2 Track sliding window				
11.3.A.a	a. 5 mm clear glass	10.0000	Sqm	5352.56	53525.60
11.3.A..b	b. 5 mm frosted glass	10.0000	Sqm	4831.2	48312.00
11.3.B.	3 Track sliding window				
11.3.B.a	5 mm clear glass	10.0000	Sqm	5291.12	52911.20
11.3.B.b	5 mm frosted glass	2.5000	Sqm	5477.66	13694.15
11.4	Providing, fitting and fixing Anodised aluminium fixed windows and ventilators of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded fitted with glass panes of required thickness and 12 mm prelaminated boards and providing and fixing handles, angle cleat, rubber gasket, roller bolting device, screws as required complete as specified and directed for all levels.				
11.4.a	5 mm clear glass	2.5000	Sqm	5225.25	13063.13
11.4.b	6 mm clear glass	2.5000	Sqm	5578.05	13945.13
11.5	Providing, fitting and fixing Anodised Aluminium partition walls of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) joints mitred and welded and providing and fixing handles, angle cleat, rubber gasket, roller bolting device, screws as required complete as specified and directed for all levels.				
11.5.a	5 mm clear glass	5.0000	Sqm	3471.17	17355.85
11.5.b	5 mm frosted glass	20.0000	Sqm	3730.13	74602.60
11.5.c	Partly 5 mm thick glass panes and 12 mm prelaminated ply board.	2.5000	Sqm	3702.61	9256.53
11.5.d	Prelaminated board	5.0000	sqm	3622	18110.00
11.6	Providing, fitting and fixing Anodised aluminium sliding windows and ventilators of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded fitted with 6 mm x 3.15 mm lugs 100 mm long embeded in CC blocks 150 mm x 100 mm x 100 mm in 1:3:6 mix including providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.				

11.6.A	Side hung and Top hung windows and ventilators				
11.6.A.a	6 mm clear glass.	2.5000	sqm	6715.8	16789.50
11.6.A.b	5 mm clear glass.	5.0000	sqm	6572.04	32860.20
11.6.A.c	5 mm frosted glass	5.0000	sqm	6760.55	33802.75
11.7	Providing, fitting and fixing Coloured Anodised aluminium sliding windows and ventilators of standard sections of approved brand (HINDALCO/ NALCO/ BALCO/ JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.				
11.7.A	2 Track sliding window				
11.7.A.a	5 mm clear glass	1.5000	sqm	5417.99	8126.99
11.7.A.b	5 mm frosted glass	1.5000	sqm	5601.02	8401.53
11.7.A.c	6 mm clear glass	1.5000	sqm	5557.56	8336.34
11.7.B	3 Track sliding window				
11.7.B.a	5 mm clear glass	1.5000	Sqm	5526.54	8289.81
11.7.B.b	5 mm frosted glass	1.5000	Sqm	5709.55	8564.33
11.7.B.c	6 mm clear glass	1.5000	Sqm	5666.11	8499.17
11.8	Providing, fitting and fixing 40 mm x 48 mm wood reinforced PVC chookath fixed to the columns/ stiffener/ walls with necessary holdfast / sleeves etc. as specified and directed at all levels.	50.0000	Rm	345.99	17299.50
11.9	Providing, fitting and fixing 24 mm / 29 mm thick Polymer reinforced moulded PVC door shutters fixed to the chookath with necessary hinges, screws, bolts etc. as specified and directed at all levels(Door fixtures and fittings to be measured and paid separately)				
11.9.b	29 mm thick	25.0000	Sqm	1702.24	42556.00
12	PAINTING WORKS :				
12.01	Removing white wash or colour wash by steel wire brushing and/ or scraping, sand papering and preparing the wall surface smooth including repairs to scatches complete.	11.5000	Sqm	9.22	106.03
12.02	White washing with lime on wall surfaces (three or more coats) to give an even shade including thoroughly brooming the surface to remove all dust,dirt,mortar drops & other foreign matters.	450.0000	Sqm	27.5	12375.00
12.04	Colour washing with lime on wall surface (two coats) over and including a priming coat of white washing to give an even shade after	250.0000	Sqm	19	4750.00

	thoroughly brooming the surface to remove all the dust and dirt, mortar drops and other foreign matters.				
12.06	Cement washing with portland cement slurry on wall surface (one coats) to give a smooth bodied opaque finish including throughly brooming the surface to remove all dirt, dust, morder drops and other foreign matter.	700.0000	Sqm	8.69	6083.00
12.07	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	514.0000	sqm	17.67	9082.38
12.08	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade over and including priming coat of white primer after thoroughly brushing the surface free from mortar dropings and other foreign matters including preparing surfaceeve and sand papered smooth.	45.0000	Sqm	57.78	2600.10
12.09	Distempering with dry distemper of approved brand and manufacture (one coat) and of required shade on old wall surface to give an even shade after thoroughly booming the surface free from dirt, loose scales and other foreign matters and also including preparing the surface even and sand papered smooth.	677.5000	Sqm	32.72	22167.80
12.1	Distempering one coat with 1st quality acrylic distemper having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture including applying additional coats wherever required to achieve even shade and colour.	25.0000	Sqm	46.4	1160.00
12.11	Distempering two coat with 1st quality acrylic distemper having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture including applying additional coats wherever required to achieve even shade and colour.	35.0000	Sqm	76.31	2670.85
12.12	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on new wall surface (one or more coats) to give an even shade after thoroughly booming the surface to remove all dirt and remains of loose powdered materials.	356.0000	Sqm	53.6	19081.60

12.1	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer over the plastered wall surface to prepare the surface even and smooth complete.	127.0000	Sqm	104.96	13329.92
12.15	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger/ ICI / J & N Paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matters and sand papered smooth.	35.0000	Sqm	103.01	3605.35
12.16	wall painting (one coat) with plastic emulsion Paint approved brand and manufacture (Asian/Berger/ ICI/ J &N Paint/ Nerolac) on old wall surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	25.0000	Sqm	68.01	1700.25
12.17	Removing old paint or polish from steel, metal, wood & wood based surfaces by using paint remover and sand papering the surface smooth & clean complete as directed.	100.0000	Sqm	15.78	1578.00
12.17	On surfaces upto 100mm in width/girth	50.0000	Sqm	4.33	216.50
12.18	Applying priming coat over new wood and wood based surfaces & including preparing the surfaces by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (Wood Primer)				
12.18.a	On surfaces over 100 mm in width/girth	232.0000	Sqm	52.07	12080.24
12.18.b	On surfaces upto 100 mm in width/girth.	220.0000	RM	4.36	959.20
12.19	Painting one coat (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matters sand papering and stopping.				
12.19.I	General purpose(Asian/Berger/ICI/J & N / Nerolac paint)				
12.19.I.a	On surfaces over 100 mm in width/girth	450.0000	Sqm	46.32	20844.00
12.19.I.b	On surfaces upto 100 mm in width/girth.	565.0000	RM	4.96	2802.40
12.2	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matters sand papering and stopping.				
12.2.A	General purpose(Asian/Berger/ICI/J & N / Nerolac paint)				

12.2.A.a	On surfaces over 100 mm in width/girth	23.5000	RM	69.56	1634.66
12.2.A.a	On surfaces upto 100 mm in width/girth	18.0000	RM	7.86	141.48
12.21	Applying priming coat over new steel and other structure after preparing the surface by thoroughly cleaning oil, grease, dirt and dust and other foreign matters and scoured with brushes, fine steels, wood scrapers and sand papers				
12.21.I	With ready made mixed red-lead/ red oxide primer.				
12.21.I.a	On surfaces over 100 mm in width/girth	8.0000	Sqm	38.13	305.04
12.21.I.b	On surfaces upto 100 mm in width/girth.	3.5000	RM	4.26	14.91
12.21.I.b	Applying Aluminium paint (One or more coats on old work) of approved brand, make & shade on steel or metal surfaces to give an even shade including preparing the surface by through cleaning & sand papering to remove all dirt, dust, oil, grease & other foreign matter as directed complete.				
12.21.I.b	One or more coats on old work	8.0000	RM	67.29	538.32
12.23.a	75mm diameter pipes	5.0000	Sqm	18.85	94.25
12.23.b	100mm diameter pipes	5.0000	RM	24.91	124.55
12.25	Painting one coat on old CGI sheets with ready mixed anticorrosive paint of approved brand and manufacture and shade to give an even shade including the cleaning the rust patches with emery papers, dust, dirt, grease and other foreign matters with water complete.	150.0000	Sqm	65.42	9813.00
12.26	Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of approved make of BERGER/ Asian Paint/Nerolac of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	72.5000	Sqm	79.79	5784.78
13	VARNISHING				
13.01	Varnishing (excluding priming coat) on new wood and wood based surface under coating with flatting varnish and finishing coat with copal varnish or spar varnish to give an even surface including cleaning the surface of all dirt, dust and filling the knots crack etc. with specially made putty and sand papering soas to give a smoothy, dry and matt surface.				
13.01.a	One or more coats with copal varnish	86.5000	Sqm	47.11	4075.02
13.03	Polishing with french sprit polishing on previously polished wood and wood based surface even surface including cleaning the	30.5000	Sqm	70.05	2136.53

	surface of all dirt, dust sand paperd smooth and including a coat of wood filter.				
14	DOOR AND WINDOW FITTINGS:				
14.01	Supplyng, fitting and fixing electro coloured iron fittings of approved make, reasonbly smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for wood screws including necessary screws etc. complete.				
14.1.a	a) MS Butt hinges				
14.1.a.i	Medium type				
14.1.a.ii	75 mm x 47 x 1.60mm	42.0000	Pair	33.9	1423.80
14.1.a.iii	100mm x 58mm x 1.90mm	52.0000	Pair	44.4	2308.80
14.1.b	MS parliamentary hinges				
14.1.b.i	100mm	2.0000	Pair	260.92	521.84
14.1.b.ii	125mm	10.0000	Pair	333.05	3330.50
14.1.c	M.S Door Latches				
14.1.c.i	300mm x 20mm x 6mm	5.0000	Each	143.82	719.10
14.1.c.ii	250mm x 10mm x 6mm	5.0000	Each	121.12	605.60
14.1.d	M.S Mortice Night Latches	5.0000	Each	1195.48	5977.40
14.02	Supplying, fitting and fixing anodised aluminium fittings of approved make, reasonbly smooth free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.				
14.02.a	Sliding door bolts.				
14.02.a.i	300mm x 16mm	8.0000	Each	220.6	1764.80
14.02.a.ii	250mm x 16mm	10.0000	Each	199.07	1990.70
14.02.b	Tower bolts				
14.02.b.i	300mm x 12mm	27.0000	Each	95.86	2588.22
14.02.b.ii	250mm x 12mm	4.0000	Each	82.9	331.60
14.02.b.iii	200mm x 12mm	87.0000	Each	76.95	6694.65
14.02.b.iv	150mm x 10mm	67.0000	Each	64.02	4289.34
14.02.b.v	100mm x 10mm	52.0000	Each	49.7	2584.40
14.02.c	Door handles				
14.02.c.i	75mm	45.0000	Each	39.23	1765.35
14.02.c.ii	100mm	116.0000	Each	45.12	5233.92
14.02.c.iii	150mm	85.0000	Each	50.89	4325.65
14.02.d	Gate shutter hook & eye				
14.02.d.i	125mm	9.0000	Each	27.61	248.49
14.02.d.ii	150mm	20.0000	Each	30.28	605.60
14.02.e	Hydraulic door closure	2.0000	Each	1209.6	2419.20
14.02.f	Mortice lock vertical type				



14.02.f.i	65mm (Godrej with handle 2 lever)	9.0000	Set	626.98	5642.82
14.02.g	Drawer locks				
14.2.g.i	50mm	2.0000	Each	229.87	459.74
14.2.g.ii	65mm	2.0000	Each	276.94	553.88
14.2.g.iii	75 mm	5.0000	Each	283.28	1416.40
14.2.h	Cupboard locks				
14.2.h.i	50mm	2.0000	Each	216.51	433.02
14.2.h.ii	65mm	2.0000	Each	236.54	473.08
14.2.f.i	Curtain rod				
14.2.f.i.i	20 mm x 2 mm	50.0000	RM	129.37	6468.50
14.2.j	Door stopper with rubber stopper	5.0000	Each	52.75	263.75
14.03	Supplying, fitting and fixing brass fittings of approved make, reasonably smooth free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary brass screws etc. complete.				
14.3.a	Sliding door bolts.				
14.3.a.i	300mm x 16mm	10.0000	Each	925.33	9253.30
14.3.a.ii	250mm x 16mm	10.0000	Each	858.53	8585.30
14.3.b	Door handles				
14.3.b.i	100mm	10.0000	Each	160.89	1608.90
14.3.b.ii	150mm	10.0000	Each	173.82	1738.20
14.3.c	Drawer Locks (cast brass)				
14.3.c.i	40 mm	5.0000	Each	320.09	1600.45
14.3.c.ii	50 mm	10.0000	Each	373.51	3735.10
14.3.c.iii	65 mm	4.0000	Each	433.61	1734.44
14.3.c.iv	75 mm	4.0000	Each	493.71	1974.84
14.3.d	Cupboard Locks (Cast Brass)				
14.3.d.i	40 mm	5.0000	Each	260.58	1302.90
14.3.d.ii	50 mm	5.0000	Each	313.99	1569.95
14.3.d.iii	65 mm	5.0000	Each	374.1	1870.50
14.3.d.iv	75 mm	5.0000	Each	434.2	2171.00
14.3.e	Wardrobe knob CP brass 25 mm	5.0000	Each	81.04	405.20
14.3.f	Ball catcher 10 mm dia brass	5.0000	Set	56.99	284.95
14.3.g	Magnet catcher brass	5.0000	Set	56.99	284.95
14.4	Providing, fitting and fixing Floor Spring of various weight & type UL listed and fire rated good quality depending on the door specification. Types like single speed, Double speed, Heavy duty etc are available and as directed & specified by the department.				
14.4.a	Compact Floor spring B710 (size 274 mm x 97 mm x 40 mm)	1.0000	Each	5288.61	5288.61
14.4.b	Heavy duty floor spring D 100 (size 308 mm x 108 mm x 40.5 mm)	1.0000	Each	6292.97	6292.97

15	GLASS FITTINGS :				
15.1	Providing and fixing clear sheet glass beded in putty and fixed with/ without wooden bidding including necessary cutting and glass to be required sized(Payment for wooden bead shall be made separately)				
15.1.1	Area of glass panes not exceeding 0.15 sqm.				
15.1.1.a	3.00 mm thick	6.2000	Sqm	545.83	3384.15
15.1.2	area of glass panes exceeding 0.15 sqm. But not exceeding 0.52 sqm.				
15.1.2.a	3.00 mm thick	16.5000	Sqm	502.26	8287.29
15.1.2.b	4.00mm thick	3.5000	Sqm	631.06	2208.71
15.2	Providing and fixing plain frosted glass of ordinary quality beded in putty and fixed with/ without wooden bidding including necessary cutting and glass to be required sized (payment for wooden bead shall be made seperately).				
15.2.1	Area of glass panes not exceeding 0.15 sqm.				
15.2.1.a	3.5 mm thick	20.0000	Sqm	759.34	15186.80
15.2.2	area of glass panes exceeding 0.15 sqm but not exceeding 0.52 sqm.				
15.2.2.a	4.00 mm thick	6.0000	Sqm	753.82	4522.92
15.3	Supplying, fitting & fixing Toughened glass.				
15.3.a	8 mm	3.0000	Sqm	8972.18	26916.54
15.3.b	12 mm	3.0000	Sqm	10495.76	31487.28
16.2	Renewal of old putty of glass panes	5.0000	RM	39.32	196.60
16	FENCING AND GATES :				
16.1	Providing barbed wire on the existing barbed wire fencing with seven strands of barbed wire 12 S.W.G ×2 piles×4 points at 75mm apart including supplying, fitting and fixing with galvanised staples 38 mm×38 mm× 3 mm size with existing posts of the fencing,including removing rotten barbed wire as directed, complete with strengthening of post & tightening of the old barbed wire and joining old serviceable pieces on remaining lines as and where necessary and as directed.	500.0000	RM	19.6	9800.00
16.2	Supplying, fitting and fixing goat proof wire fencing 1200 mm high with horizontal wire spacing at 100mm, 100mm, 100mm, 100mm, 100mm, 100mm, 150mm, 150mm, 150mm and 150 mm from bottom onwards and vertical wires at 130mm apart, first 3 horizontal wires from top barbed wire 12 S.W. × 2 PILES × 4 POINTS × 100mm apart bottom wire 10 S.W.G. fitted with angle iron posts, above including supplying,fitting & fixing with necessary hooks, bolts and staples	21.0000	RM	595.59	12507.39

	etc. with anti-corrosive black paint etc. complete as directed and specified (intermediate and straining post should be placed not more than 4000mm and not less than 3000mm apart and all posts embedded in C.C pillars of size 300mm × 300mm × 600mm in prop 1:3:6.				
16.3	Supplying, fitting & fixing chain link fencing of 10 S.W.G, G.I. wire 50mm × 50mm mesh fitted to M.S angle iron post at 2000mm apart of specification detailed below including supplying, fitting & fixing hooks, eye bolts with nuts, staples and bolts including three horizontal lines of G.I wire 10 S.W.G at top, middle and bottom and with one vertical line to each fencing post for keeping the fencing tight and erect complete, including one coat of primer painting to M.S angle iron post in P.C.C base etc. with following. a) Corner and end posts with M.S angle of size 50mm × 50mm × 5mm and length not less than 1800mm only duly slotted and bottom torqued with two numbers as stay posts. b) Intermediate post with M.S angle of size 40mm × 40mm × 5mm length and not less than 1800 mm only duly slotted and bottom torqued and splayed. c) Stay post with M.S angle of size 35 mm × 35mm × 5mm and length not less than 1800 mm duly slotted and bottom torqued and splayed. All M.S angle iron posts are to be fitted to P.C.C base embedded not less than 600mm (P.C.C work shall be measured and paid separately)	25.0000	Sqm	737.52	18438.00
16.4	Grouting and fixing angle iron fencing posts with cement concrete in proportion 1:3:6 of size 300 mm x 300 mm x 600 mm including earthwork in excavation, refilling and dressing etc. complete as directed.	5.0000	Each	365.66	1828.30
16.5	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.0 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with GI staples and GI clips to retain horizontal, including necessary bolts or GI barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg / sq.mm with tape (0.52 mm thick) and weight 43.478 gm / metre (cost of MS angle, CC blocks shall be paid separately)	15.0000	Rm	364.56	5468.40

17	STEEL AND IRON WORKS :				
17.01	Supplying, fitting & fixing in position reinforcement bars conforming to IS:1786 Grade of Tiscon / SAIL make including straightening, cleaning, cutting & bending to proper shapes & length as per detail drawing binding with 20G annealed black wire, placing in position with proper blocks, supports, chairs, spacers etc. up to a maximum level of 6.5 m height complete as directed & specified.	3.0000	Kg	75.38	226.14
17.02	Labour cost for fitting & fixing in position reinforcement bars conforming to relevant IS:Code including straightening, cleaning, cutting & bending to proper shapes & length as per detail drawing binding with 20G annealed black wire, placing in position with proper blocks, supports, chairs, spacers etc. up to a maximum level of 6.5 m height complete as directed & specified.	3.5000	Qntl	1038.29	3634.02
17.3a	Providing, fitting hoisting and fixing of roof trusses including purlins fabricated using MS Circular Hollow Section conforming to relevant I.S code, as per approved design and drawings including providing M.S cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate Primer and two coats of approved enamel paints complete including fitting necessary cleats etc.for fixing ceiling joists as per design and drawing as directed.				
17.3b	a) TATA make Circular Hollow section-CHS of Grade YST-310 conforming to IS specification: 1161-1998	100.0000	Qntl	78.85	7885.00
17.4	Labour cost for fabricating, hoisting & fixing of roof trusses and purlins made of MS black tubes or MS angle conforming to relevant IS:Code as per approved design and drawing including providing MS connecting plate, cleat, base plate, bolts & nuts and supplying & painting (single coat) with red oxide primer complete as directed & specified.	10.0000	Qntl	1946.79	19467.90
17.5	Providing, fitting, hoisting and fixing of roof trusses fabricated using any one or Combination of following sections of (i) Square section (ii) Rectangular Hollow section of specification SHS/RHS and including purlins, bottom runners and providing M.S cleat, MS angle base plank, bolts and nuts with red oxide primer including fitting bottom runner and cleat etc. for fixing ceiling joist as per design complete as directed as per specification				

17.6	Providing, fitting & fixing steel windows/ventilators (openable) of standard rolled steel sections as per relevant IS. Code-1038 joints mitred and welded with 15mm × 3mm × 100 mm lugs embedded in cement concrete block of M-10 grade including providing and fixing of projecting hinges (not more than 65mm and not less than 15mm wide) bolting device and steel handles, peg stays of 300mm long etc. complete as per drawing including applying a priming coat of red-lead paint.	2.5000	Sqm	2956.4	7391.00
17.8	Providing, fitting and fixing powder coated pressed steel door frame made of 1.25 mm thick sheet of various sizes with necessary hinge jamb, lock jamb, head and steel base ties at the bottom of the frame. The whole frame shall be welded or rigidly fixed together by mechanical means with base ties of pressed mild steel angle of size 20X20X1.25 mm thick. Frame to be filled up with 1:4:8 P.C.C after fitting the frame with brick / concrete works etc complete as directed by the department for all levels. (P.C.C to be measured and paid for seperately).				
17.8.a	Size 90 mm X 60 mm (Single rebate)	15.0000	RM	800.83	12012.45
17.8.b	Size 100 mm X 60 mm (Single rebate)	15.0000	RM	800.83	12012.45
17.8.c	Size 125 mm X 60 mm (Single rebate)	15.0000	RM	814.3	12214.50
17.8.d	Size 125 mm X 60 mm (Double rebate)	15.0000	RM	958.14	14372.10
17.9	Supplying, fitting and fixing double leaf heavy duty iron gate, frame made from 40 mm x 40 mm x 6 mm M.S. angle and with M.S. flat of 40 mm x 6 mm size as per approved design. Necessary locking arrangement for temporary closing the gate and 2 nos (minimum) strong iron hinges of M.S Bars and flat of same sizes on each leaf to be embedded in C.C brick pillars as necessary including a red oxide painting to all iron works as directed and specified. (Separate payment will be made for posts)	1.0000	Qntl	7644.77	7644.77
17.1	Supplying, fitting and fixing door frame of M.S. equal Angle of size 35 mmx35 mmx5 mm fabricated, welded, mitred and joined as per relevant IS codes including fitting 8 nos. of MS hold fast, providing closing/ holding device for 2 nos. tower bolts of door for each side and 1 no for fitting and fixing aldrop (for single leaf) to the frame for fixing the door to the frame applying primer to all steel surfaces fixing the frame to the wall/ rcc members by embedding the hold fast securely in c.c block of M-15 grade complete at all levels as specified and directed.	65.0000	Qntl	87.88	5712.20

17.11	Providing and fixing M.S.Tube Hand Rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer complete as specified and directed by department.	25.0000	Kg	102.48	2562.00
18	PLINTH PROTECTION WORKS & DRAIN :				
18.1	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling and dressing and finishing the top smooth.	11.6500	Sqm	577.69	6730.09
18.2	Providing drain with brick work in cement mortar in proportion 1:5 with half brick thick side walls and 100mm thick C.C (1:3:6) base over one brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shuttering for sides and earthwork in excavation of foundation trenches and refilling the sides after completion of work etc. as specified.				
18.2.i	300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.	10.0000	Rm	894.04	8940.40
18.2.ii	300mm wide and average 250mm deep with bed slope 1 in 150 with initial depth of 100 mm.	8.2000	Rm	1094.91	8978.26
19	DISMANTLING AND DEMOLISHING WORKS :				
19.1.a	Demolishing Plain cement concrete including disposal of debris as directed for all levels, Prop (1:4:8) or leaner mix.	2.1000	Cum	1050.56	2206.18
19.1.b	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material as directed for all levels.	5.3000	Cum	2481.56	13152.27
19.3	Demolishing Brickwork including stacking of serviceable materials as directed for all levels.	2.5500	Cum	594.9	1517.00
19.4	Demolishing Half brickwork (112mm) including stacking of serviceable materials as directed for all levels.	10.6500	Sqm	62.57	666.37
19.5	Dismantling Woodwork in frames, trusses, purlins and rafters including stacking the materials as directed by the department for all levels.	0.7500	Cum	3114.13	2335.60

19.6	Dismantling Woodwork in frames, trusses, purlins and rafters including stacking the materials as directed by the department for all levels.	35.0000	RM	12.45	435.75
19.7	Dismantling Woodwork in frames of ceiling, partition etc. including disposal of debris and stacking of serviceable materials as directed complete.	31.0000	Sqm	37.31	1156.61
19.8	Dismantling Ridges, hips, valleys, gutters etc in sloping roofs including disposal of debris and stacking of serviceable materials as directed complete.	36.2000	RM	115.26	4172.41
19.9	Demolishing the Plastering from walls / R.C.C and P.C.C members without causing any damage to the wall / member upto any height including disposal of debris as directed for all levels.	53.0000	Sqm	38.17	2023.01
19.1	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	5.1000	Sqm	594.9	3033.99
19.11	Dismantling and removing the existing door and window frame (choukath) (shutter) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels.				
19.11.i	Area of Door / Window upto 3.00m2.	10.0000	Each	256.53	2565.30
19.11.ii	Area of Door / Window above 3.00m2.	5.0000	Each	351.33	1756.65
19.12	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 m lead	10.5000	Sqm	39.4	413.70
19.13	Dismantling Wall panels having cement plastered faces over split bamboo woven infill on wooden frames including removing of debris and stacking of serviceable materials as directed complete.	12.5000	Sqm	68.42	855.25
19.14	Dismantling Roofing Sheets (CGI/Asbestos) including disposal of debris and stacking of serviceable material as directed complete.	22.5000	Sqm	39.45	887.63
19.15	Demolishing Mosaic Floor of various thickness, both mosaic tiles and cast in situ type including cc base course and removal of debris as directed for all levels.	35.0000	Sqm	79.15	2770.25
19.16	Demolishing Floor Topping (concrete/plastered) upto a maximum thickness of 20 mm without causing damage to base concrete including disposal of debris and stacking of serviceable material as directed complete.	35.5000	Sqm	44.11	1565.91

19.16	Dismantling aluminium/ gypsum partitions, door, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 m lead as directed by Engineer-in-charge.	5.0000	Sqm	39.4	197.00
19.16	Dismantling of flushing cistern of all types (CI/PVC/Vitrious china) including stacking of useful materials near the site and disposal of unserviceable materials within 50 m lead.	20.0000	Each	630.96	12619.20
19.16	Dismantling aluminium/ gypsum partitions, door, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 m lead as directed by Engineer-in-charge.	15.0000	Sqm	39.4	591.00
20	REPAIRING WORKS :				
20.01	Minor repairing of Wooden door frames by removing the damaged portion without dismantling the entire frame and fixing neatly dressed 1st class locally available timber identical in size and shape to the existing frame including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be applicable to cases where the extent of damage to existing frame is more than 20% as per assessment of APL'S Engineer.)				
20.01.a	Frames of cross sectional size 100 mm x 75 mm	10.0000	Nos	681.29	6812.90
20.01.b	Frames of cross sectional size 150 mm x 75 mm	10.0000	Nos	876.06	8760.60
20.02	Minor repairing of Wooden window frames by removing the damaged portion without dismantling the entire frame and fixing neatly dressed 1st class locally available timber identical in size and shape to the existing frame including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be applicable to cases where the extent of damage to existing frame is more than 20% as per assessment of APL'S Engineer.)				
20.02.a	Frames of cross sectional size 100 mm x 75 mm	5.0000	Nos	519.15	2595.75
20.02.b	Frames of cross sectional size 150 mm x 75 mm	5.0000	Nos	648.93	3244.65
20.03	Minor repairing of Wooden ventilator frames by removing the damaged portion without				

	dismantling the entire frame and fixing neatly dressed 1st class locally available timber identical in size and shape to the existing frame including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be applicable to cases where the extent of damage to existing frame is more than 20% as per assessment of APL'S Engineer.)				
20.03.a	Frames of cross sectional size 100 mm x 75 mm	5.0000	Nos	389.36	1946.80
20.03.b	Frames of cross sectional size 150 mm x 75 mm	5.0000	Nos	486.69	2433.45
20.04	Minor repairing of Wooden door/window/ventilator shutters by removing the damaged shutter from frame and replacing damaged portion with neatly dressed 1st class locally available timber identical in size and shape to the existing shutter including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be applicable to cases where the extent of damage to existing frame is more than 20% as per assessment of APL'S Engineer.)				
20.04.a	1/3 paneled 2/3 glazed door shutter.	4.0000	Nos	681.37	2725.48
20.04.b	Fully paneled door shutter.	4.0000	Nos	1103.19	4412.76
20.04.c	Battened, ledged & braced door shutter.	4.0000	Nos	1038.29	4153.16
20.4.d	Flush door shutter	4.0000	Nos	1103.19	4412.76
20.4.e	Fully glazed window shutter with or without sash bar.	4.0000	Nos	324.47	1297.88
20.4.f	Battened, ledged & braced window shutter.	4.0000	Nos	421.8	1687.20
20.4.g	Fully glazed ventilator shutter with or without sash bar.	4.0000	Nos	227.12	908.48
21	MISCELLANEOUS WORKS :				
21.01	Construction of temporary shed of maximum height 3.5 M with Bamboo post at 2.00 M interval driven to ground and tied by horizontally placed bamboo at 1.2M interval to form a framed structure with CGI sheet walls tied to bamboo frame including CGI sheet roofing on bamboo rafter and purlin well tied and interlaced with coconut rope and GI wire complete as directed. (CGI sheet shall be supplied free of cost from APL store on returnable basis.	26.5000	Sqm	182.83	4845.00

21.02	Providing wall panels with both face cement plastered (total 20mm thickness in two coat plastering of proportion 1:4 on each face) having split bamboo (kami) woven infill properly fitted to grooves of wooden framing and tied with GI wire complete as directed. (wooden framing shall be measured and paid seperately)	3.5000	Sqm	454.25	1589.88
21.03	Supplying and stacking crusher broken well graded stone aggregate of angular shape free from dust, clay and any other foreign matter as directed.				
21.03.a	Size 20 mm down	1.5000	Cum	1459.88	2189.82
21.03.b	Size 15 mm down	1.5000	Cum	1010.58	1515.87
21.04	Providing inter locking concrete block of concrete grade M40 or above of approved quality, size, shape of specified thickness over a levelling bedding layer of 30 mm compacted sand over a base course of WBM or PCC (Base course to be paid seperately) including cutting where necessary finished with spreading, sweeping jointing sand and compacting the pavers using vibrating compactor as specified and directed.				
21.04	80 mm	50.0000	Sqm.	1386.55	69327.50
21.04	Labour for laying of interlocking concrete blocks/ tiles of concrete grade M40 or above of approved quality, size, shape of specified thickness over a levelling bedding layer of 30 mm compacted sand over a base course of WBM or PCC (Base course to be paid seperately) including cutting where necessary finished with spreading, sweeping jointing sand and compacting the pavers using vibrating compactor as specified and directed (Paver block will be supplied from Civil Deptt.)				
21.04	80 mm	3.0000	Sqm.	620.71	1862.13
21.04	600 mm	3.0000	Sqm.	609.44	1828.32
21.05a	Providing and fixing 16 mm M.S Fan clamps of standard shape and size in existing R.C.C slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.	10.0000	Cum	528.61	5286.10

21.05	Providing and laying non- pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc. complete				
21.05a	i. 300 mm dia. R.C.C. pipe	7.5000	Metre	764.48	5733.60
21.05a	ii. 300 mm dia. R.C.C. pipe	7.5000	Metre	1255.61	9417.08
21.05a	iii. 300 mm dia. R.C.C. pipe	7.5000	Metre	1778.13	13335.98
21.05a	iv. 300 mm dia. R.C.C. pipe	7.5000	Metre	3610.64	27079.80
21.05a	v. 300 mm dia. R.C.C. pipe	7.5000	Metre	4243.43	31825.73
21.05a	vi. 300 mm dia. R.C.C. pipe	7.5000	Metre	5368.4	40263.00
21.05a	Providing, fitting and fixing laminated abrasion resistant wooden flooring of thickness not less than 12 mm laid on existing concrete floor with under layer of approved transparent polythene and foam sheet to make the floor surface even and sound free complete as directed and specified.,	5.0000	Sqm	1769.75	8848.75
21.6.a	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2	50.0000	Sqm	178.7	8935.00
21.6.b	Supplying and stacking at site for WBM				
21.7.a	i. 90 mm to 45 mm size stone aggregate	10.0000	Sqm	1642.11	16421.10
21.7.a	ii. 63 mm to 45 mm size stone aggregate	10.0000	Sqm	1376.76	13767.60
21.7.b	iii. 53 mm to 22.4 mm size stone aggregate	10.0000	Sqm	1557.06	15570.60
21.7.b	Laying, spreading and compacting stone aggregate of specified sizes to WMB specifications in uniform thickness, hand picking, rolling with 3 wheeled road/ vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening/ binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	50.0000	Cum	733.76	36688.00
21.7.b	Granular Sub- Base with coarse graded material (Table- 400-2) (Construction of granular sub-base by providing coarse graded materials, spreading in uniform layers with motor grader on vibratory roller to achieve the desired density complete	52.0000	Cum	2235.23	116231.96
21.7.b	Fitting and fixing of door/ window (MS/Wooden) chookath with shutter including oxidised MS butt hinges (100mm x 75 mm x 3.55 mm) with necessary screws (Materials will be supplied by Civil Deptt.) other fittings	10.0000	Each		

	will be paid seperately.				
21.7.b	Hire charges of diesel road roller- 8 to 10 tonne	5.0000	Day	2542.5	12712.50
21.7.b	Hydraulic Excavator with driver and fuel	5.0000	Day	5932.5	29662.50
21.7.b	Taking out from position and repairing steel window shutters including steel frames at all levels after cutting out the heavily rusted and damaged portion of the shutters and frames and welded with the new Z section of steel members, corners, hinges, stay etc. including fitting and fixing in position and riveting with new rivets adjusting, cleaning, cutting the holes and making good the damages to metal with existing one. Window grills to be removed during carrying out the work and to be re fixed in position after completion of work. The glass panes damaged during exection should also be changed.	10.0000	Sqm	937.93	9379.30
22	SANITARY WORKS :				
22.01	Providing, fitting & fixing Vitreous water closet squatting pan (Indian type W.C Orissa pattern) with all fittings and fixtures complete including cutting and making good to the walls and floors wherever required. Make: Hindware/ Parryware.				
22.01.a.iii	White	3.0000	Each	2185.02	6555.06
22.01.a.iv	Coloured	3.0000	Each	2536.52	7609.56
22.02	Providing, fitting & fixing Vitreous china pedestal type water closet (European type W.C pan 400mm high) with seat and lead, CP brass hinges and rubber buffers, CI/MS brackets, 40mm dia flush band with fittings including painting of fittings and brackets, required.				
22.02.a.i	White				
22.02.a.iii	Pettie (S/P)	5.0000	Each	3737.8	18689.00
22.02.a.iv	Universal Closet P Trap.	5.0000	Each	6868.41	34342.05
22.02.b	Coloured				
22.02.b.i	Pettie (S/P)	4.0000	Each	4821.28	19285.12
22.02.b.ii	Universal Closet P Trap.	4.0000	Each	6868.41	27473.64
22.03	Providing, fitting & fixing Vitreous china flat back type lipped front Urinal Basin with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making goodthe walls & floors wherever required.				
22.03.a	Parryware Make (White)				
22.03.a.i	Flat Back	3.0000	Each	3102.16	9306.48

22.03.b	Hindware Make (White)				
22.03.b.i	FB 460 X 350 X 260	3.0000	Each	3231.47	9694.41
22.04.b	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.	3.0000	Each	2872.47	8617.41
22.04.b	Providing and fixing solid plastic seat with lid for pedestal type W.C pan complete				
22.04.b	White solid plastic seat with lid	10.0000	Each	497.1	4971.00
22.04	Providing, fitting & fixing PVC Automatic Flushing Cistern with all internal fittings with CI brackets including fitting & fixing standard size CP flush pipe, union, claps etc. complete as directed and specified.				
22.04.a	White				
22.04.b	Make: Parryware / Hindware	10.0000	Each	1636.39	16363.90
22.05	Providing and fixing wash basin with C.I brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern including painting of fittings and brackets, cutting and making good walls wherever required. White Vitreous China Flat back wash basin size 550x400mm with single 15mm PTMT pillar cocok.				
22.05a	Without Padestal				
22.05.A	Parryware Make				
22.05.A.a	White				
22.05.A.a.i	Size 550 × 400	5.0000	Each	2137.26	10686.30
22.05	Providing and fixing wash basin with C.I brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern including painting of fittings and brackets, cutting and making good walls wherever required. White Vitreous China Flat back wash basin size 550x400mm with single 15mm PTMT pillar cocok.				
22.05a	With Padestal				
22.05.A	Parryware Make				
22.05.A.a	White				
22.05.A.a.i	Size 550 × 400	10.0000	Each	3408.56	34085.60
22.5.B	Providing and fixing stainless steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required				
22.5.B.a	Kitchen sink with drain board				
22.5.B.a.i	Size 510 × 1040 mm bowl depth 250 mm	5.0000	Each	5092.16	25460.80
22.5.B.a.ii	Size 510 × 1040 mm bowl depth 200 mm	5.0000	Each	5318.91	26594.55

22.5.B.a	Kitchen sink without drain board				
22.5.B.a.i	Size 610 × 510 mm bowl depth 200 mm	2.0000	Each	3622.55	7245.10
22.5.B.a.ii	Size 470 × 420 mm bowl depth 178 mm	2.0000	Each	2488.64	4977.28
22.8	Providing, fitting & fixing Laboratory Sink of Parryware/Hindware make with CI/MS brackets, C.P brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings, cutting & making good the walls wherever required.				
22.8.B	Hindware Make (White)				
22.8.B.i	Size 450 × 300 × 150 mm	2.0000	Each	3621.32	7242.64
22.8.B.ii	Size 600 × 450 × 200 mm	2.0000	Each	4755.19	9510.38
22.9	Supplying, fitting & fixing Chrome plated (C.P) Basin mixer.				
22.9.a	Jaquar make	10.0000	Each	3087.9	30879.00
22.1	Supplying, fitting & fixing Chrome plated (C.P) Wall mixer 3 in 1 with telephonic shower arrangement.				
22.10.a	Jaquar make	3.0000	Each	3572.33	10716.99
22.10.b	Agmeco make	3.0000	Each	3434.86	10304.58
22.10.c	Essco make	3.0000	Each	3048.63	9145.89
22.11	Supplying, fitting & fixing Telephonic Chrome Plated (C.P) Shower with 1.5 m flexible tube with wall hook..				
22.11.a	Jaquar make	3.0000	Each	1751.15	5253.45
22.12	Providing, fitting & fixing Mirror with plastic frame of size 500 × 400 mm complete as directed and specified.	3.0000	Each	980.89	2942.67
22.13.i	Providing, fitting & fixing decorative mirror complete as directed and specified.	3.0000	Each	1195.94	3587.82
22.14	Providing, fitting & fixing Glass Shelf complete as directed & specified.				
22.14.A	Glass shelf with C.P guard rail.				
22.14.Aa	Sona make (Cat No. TR-0701)				
22.14.A.ii	600 mm	3.0000	Each	798.47	2395.41
22.15	Providing, fitting and fixing Soap Trey / Soap Dish complete as directed and specified.				
22.15.A	Sona make	5.0000	Each	380.08	1900.40
22.16	Providing, fitting & fixing CP Towel Rail complete as directed & specified.				
22.16a	Sona Make				
22.16.i	450 mm long	3.0000	Each	486.12	1458.36
22.16.ii	900 mm long	3.0000	Each	650.87	1952.61
22.17	Providing, fitting & fixing Chrome Plated robe				

	hook complete as directed & specified.				
22.17.a	Jaquar Make				
22.17.a.i	Continental	1.0000	Each	502.57	502.57
22.17.b	Agmeeco Make				
22.17.b.i	Econ	1.0000	Each	849.66	849.66
22.18	Providing, fitting & fixing Chrome Plated Waste Coupling as directed & specified.				
22.18.a	Jaquar Make				
22.18.a.i	32 mm	1.0000	Each	447.9	447.90
22.18.b	Sona				
22.18.b.i	Rupa 32 mm	3.0000	Each	352.86	1058.58
22.19	Supplying, fitting & fixing PVC Pipes of 6kg/cm2 (Supreme /Prince) or other ISI approved including joining, fitting and fixing with clamps etc. as necessary complete at all levels including below G.L as directed and specified.				
22.19.a	In exposed surfaces or in trenches				
22.19.a.i	110 mm dia	3.0000	Rm	708.3	2124.90
22.19.a.ii	75 mm dia	3.0000	Rm	374.98	1124.94
22.19.a.iii	50 mm dia	3.0000	Rm	197.31	591.93
22.19.b	Concealed by chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.19.b.i	110 mm dia	2.0000	Rm	761.01	1522.02
22.19.b.ii	75 mm dia	2.0000	Rm	427.7	855.40
22.19.b.iii	50 mm dia	2.0000	Rm	250.02	500.04
22.2	Supplying, fitting & fixing 87.5 degree PVC bend of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.2.a	In exposed surfaces or in trenches				
22.2.a.i	110 mm dia	2.0000	Each	268.93	537.86
22.2.a.ii	75 mm dia	2.0000	Each	164.59	329.18
22.2.a.iii	50 mm dia	2.0000	Each	129.33	258.66
22.2.b	Concealed by Chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.2.b.i	110 mm dia	2.0000	Each	405.92	811.84
22.2.b.ii	75 mm dia	2.0000	Each	293.76	587.52
22.2.b.iii	50 mm dia	2.0000	Each	260.75	521.50
22.21	Supplying, fitting & fixing 87.5 degree PVC bend with door of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				

22.21.a	In exposed surfaces or in trenches				
22.21.a.i	110 mm dia	4.0000	Each	315.95	1263.80
22.21.a.ii	75 mm dia	4.0000	Each	202.8	811.20
22.21.a.iii	50 mm dia	4.0000	Each	151.36	605.44
22.21.b	Concealed by Chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.21.b.i	110 mm dia	5.0000	Each	451.84	2259.20
22.21.b.ii	75 mm dia	5.0000	Each	329.49	1647.45
22.21.b.iii	50 mm dia	5.0000	Each	281.39	1406.95
22.22	Supplying, fitting & fixing 45 degree PVC bend of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.22.a	In exposed surfaces or in trenches				
22.22.a.i	110 mm dia	5.0000	Each	216.01	1080.05
22.22.a.ii	75 mm dia	5.0000	Each	152.83	764.15
22.22.b	Concealed by Chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.22.b.i	110 mm dia	5.0000	Each	354.32	1771.60
22.22.b.ii	75 mm dia	5.0000	Each	282.77	1413.85
22.23	Supplying, fitting & fixing PVC Plain single tee of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.23.a	In exposed surfaces or in trenches				
22.23.a.i	110 mm dia	5.0000	Each	313.01	1565.05
22.23.a.ii	75 mm dia	5.0000	Each	198.4	992.00
22.23.b	Concealed by chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.23.b.i	110 mm dia	4.0000	Each	448.95	1795.80
22.23.b.ii	75 mm dia	4.0000	Each	325.37	1301.48
22.24	Supplying, fitting & fixing PVC single tee with door of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.24.a	In exposed surfaces or in trenches				
22.24.a.i	110 mm dia	5.0000	Each	398.23	1991.15
22.24.a.ii	75 mm dia	5.0000	Each	230.71	1153.55
22.24.b	Concealed by chiselling or breaking brick wall /CC/RCC & making good to the damages.				

22.24.b.i	110 mm dia	4.0000	Each	532.16	2128.64
22.24.b.ii	75 mm dia	3.0000	Each	355.62	1066.86
22.25	Providing, fitting & fixing C.I Grating to the floors complete as directed and specified.				
22.25.i	110 mm dia	2.0000	Each	157.24	314.48
22.25.ii	75 mm dia	2.0000	Each	142.54	285.08
22.25.iii	50 mm dia	2.0000	Each	120.49	240.98
22.26	Providing, fitting & fixing 450 mm dia 90 mm thick C.I Man hole cover and frame of 19 kg weight complete as directed and specified.	1.0000	Each	1732.79	1732.79
22.27	Providing, fitting & fixing (600 x 600) mm dia 90 mm thick C.I Man hole cover and frame of 25 kg weight complete as directed and specified.	1.0000	Each	2041.22	2041.22
22.28	Supplying GI Pipes OF Heavy thickness.				
22.28a	ITC / Nezone				
22.28.i	15 mm dia	24.0000	RM	80.51	1932.24
22.28.ii	20 mm dia	25.0000	RM	110.17	2754.25
22.28.iii	25 mm dia	10.0000	RM	166.11	1661.10
22.28.iv	40 mm dia	5.0000	RM	245.77	1228.85
22.28.iv	50 mm dia	5.0000	RM	305.1	1525.50
22.29	Supplying CPVC water supply piping of Prince or equivalent approved brand.				
22.29.a	15 mm dia	3.0000	RM	57.26	171.78
22.29.b	20 mm dia	5.0000	RM	70.74	353.70
22.29.c	25 mm dia	7.0000	RM	101.05	707.35
22.29.d	32 mm dia	13.0000	RM	134.74	1751.62
22.29.e	40 mm dia	12.0000	RM	190.88	2290.56
22.3	Supplying, fitting and fixing approved uPVC / cPVC pipes of different sizes, with all necessary 'R' brand or similar approved uPVC / cPVC fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc complete at all levels including below G.L as directed and specified. (SUPREME / PRINCE / SFMC / FUSION brand)				
22.3.A	Exposed or in trenches				
22.3.A.a	50 mm dia	5.0000	Rm	785.63	3928.15
22.3.A.b	40 mm dia	5.0000	Rm	571.51	2857.55
22.3.A.c	32 mm dia	5.0000	Rm	424.55	2122.75
22.3.A.d	25 mm dia	5.0000	Rm	346.24	1731.20
22.3.A,e	20 mm dia	5.0000	Rm	275.52	1377.60
22.3.A,f	15 mm dia	5.0000	Rm	216.87	1084.35
22.3.B	Concealed by chieselling or breaking brick wall / CC wall / RCC wall and making good to the damaged structure.				



22.3.B.c	32 mm dia	5.0000	Rm	373.87	1869.35
22.3.B.d	25 mm dia	5.0000	Rm	435.4	2177.00
22.3.B.e	20 mm dia	5.0000	Rm	530.57	2652.85
22.3.B.f	15 mm dia	5.0000	Rm	604.05	3020.25
22.31	Health Faucet set with 1 m long pvc flexible tube and ABS Wall Hook (chrome finish), make: Jaquar / Klaxon Eco ABS	4.0000	Each	1587.68	6350.72
22.32	Supplying G.I Fittings such as bend, tee, elbow, reducer, nipple, plug SOCKET etc.				
22.32.A	G.I Socket (ZOLOTO brand.) (Heavy)				
22.32.A.i	15 mm dia	4.0000	Each	26.92	107.68
22.32.A.ii	20 mm dia	3.0000	Each	43.79	131.37
22.32.A.iii	25 mm dia	5.0000	Each	59.51	297.55
22.32.B	G.I Reducing Socket. (ZOLOTO brand.) (Heavy)				
22.32.B.i	20mm x 15 mm size	2.0000	Each	43.79	87.58
22.32.B.ii	25mm x 20 mm size	2.0000	Each	59.51	119.02
22.32.C	Gi Tee (ZOLOTO brand.) (Heavy)				
22.32.C.i	15 mm dia	6.0000	Each	44.91	269.46
22.32.C.ii	20 mm dia	5.0000	Each	70.74	353.70
22.32.C.iii	25 mm dia	5.0000	Each	96.56	482.80
22.32.C.iv	40 mm dia	6.0000	Each	215.59	1293.54
22.32.D	G.I Reducing Tee (ZOLOTO brand.) (Heavy)				
22.32.D.i	20 mm x 15 mm size	2.0000	Each	43.79	87.58
22.32.D.ii	25 mm x 20 mm size	2.0000	Each	59.51	119.02
22.32.D.iii	25 mm x 15 mm size	2.0000	Each	59.51	119.02
22.32.E	G.I Elbow (ZOLOTO brand.) (Heavy)				
22.32.E.i	15 mm dia	8.0000	Each	30.87	246.96
22.32.E.ii	20 mm dia	8.0000	Each	52.77	422.16
22.32.E.iii	25 mm dia	8.0000	Each	67.37	538.96
22.32.E.iv	40 mm dia	8.0000	Each	148.21	1185.68
22.32.F	G.I UNION				
22.32.F.i	15 mm dia	2.0000	Each	81.96	163.92
22.32.F.ii	20 mm dia	2.0000	Each	140.35	280.70
22.32.F.iii	25 mm dia	9.0000	Each	183.02	1647.18
22.32.F.iv	40 mm dia	9.0000	Each	324.51	2920.59
22.32.G	G.I Nipple				
22.32.G.i	15 mm dia	9.0000	Each	26.38	237.42
22.32.G.ii	20 mm dia	2.0000	Each	39.3	78.60
22.32.G.iii	25 mm dia	3.0000	Each	68.49	205.47
22.32.G.iv	40 mm dia	7.0000	Each	131.37	919.59
22.32.H	G.I Plug				
22.32.H.i	15 mm dia	6.0000	Each	23.58	141.48



22.32.H.ii	20 mm dia	2.0000	Each	36.49	72.98
22.32.H.iii	25 mm dia	2.0000	Each	56.14	112.28
22.32.H.iv	40 mm dia	2.0000	Each	105.54	211.08
22.33	Supplying and fitting gun metal country pit valve (Full way Valve) I.S.I make as specified and directed.				
22.33.i	50 mm dia.	1.0000	Each	744.31	744.31
22.33.ii	40 mm dia.	1.0000	Each	599.43	599.43
22.33.iii	25 mm dia.	1.0000	Each	451.16	451.16
22.33.iv	20 mm dia.	1.0000	Each	391.33	391.33
22.34	Supplying, fitting and fixing stop cock of approved brand of size as mentioned below and directed and specified.				
22.34.a	Brass stop cock				
22.34.a.i	15 mm dia	15.0000	Each	257.51	3862.65
22.34.a.ii	20 mm dia	3.0000	Each	277.93	833.79
22.34.b	C.P Stop cock				
22.34.b.I	Jaquar Brand / Agmeco Brand / Sona Brand / Essco Brand				
22.34.b.I.i	15 mm dia (Angular Stop Cock)	2.0000	Each	847.72	1695.44
22.34.b.I.ii	Concealed Stop Cock with adjustable wall flange	2.0000	Each	1475.86	2951.72
22.35	Supplying, fitting and fixing C.P pillar cock of 15 mm dia of approved brand as specified and directed.				
22.35.b	Sona Make				
22.35.b.i	Light type	8.0000	Each	487.7	3901.60
22.35.b.ii	Heavy type	20.0000	Each	644.82	12896.40
22.36	Supplying, fitting & fixing 15 mm dia Bib Cock of approved make and standard quality as directed and specified.				
22.36.a	Polymer Bib Cock make- Prayag polymer make				
22.36.a.i	Standard	50.0000	Each	93.09	4654.50
22.36.a.ii	Long body with flange	25.0000	Each	132.76	3319.00
22.36.b	CP Bib Cock, make- ESSCO. (Delux/Sumthing Special-Tropical)				
22.36.b.i	Short body	3.0000	Each	367.98	1103.94
22.36.b.ii	Long body	3.0000	Each	606	1818.00
22.37	Supplying, fitting and fixing overhead adjustable Chrome Plated (C.P) spray shower 15 mm dia of Sona make with wall flange as directed and specified.				
22.37.i	Supreme Shower with arm.	2.0000	Each	834.66	1669.32
22.37.ii	Apex/Kiran/Priya/RimZim/Bugle shower with arm.	3.0000	Each	900.12	2700.36

22.38	Labour for laying, fitting & fixing PVC rain water piping including cutting to required length and joining with bends, junctions, tees etc. complete with necessary rubber gasket, solvent cement, clamps etc. including cutting wall/floor/roof wherever required and necessary repair of the same after fixing of pipe line as directed.	8.5000	RM	110.32	937.72
22.39	Labour for laying, fitting and fixing PVC Waste Water and soil waste piping including cutting to required length and joining with bends, junctions, tees etc. complete with necessary rubber gasket, solvent cement, clamps etc. including cutting wall/floor/roof wherever required and necessary repair of the same after fixing of pipe line as directed.				
22.39.i	110 mm dia piping.	3.5000	RM	129.88	454.58
22.39.ii	75 mm dia piping.	7.5000	RM	97.33	729.98
22.4	Labour for dismantling & removing existing rain water, waste water and soil waste piping including stacking of serviceable materials as directed.	12.0000	RM	51.91	622.92
22.41	Labour for dismantling & removing existing Indian/european type W.C including cutting of floor/wall as required with stacking of serviceable materials as directed.	8.0000	Each	93.81	750.48
22.42	Labour for dismantling & removing existing Wash Basin including cutting of floor/wall as required with stacking of serviceable materials as directed.	5.0000	Each	129.79	648.95
22.43	Labour for fitting and fixing GI piping including cutting to required length, making threads and joining with all necessary GI fittings such as bends, tee, elbow, reducer, nipple, plug etc. including necessary joining glue (holdtite), clamps, screws etc. complete as directed & specified.				
22.44	32 mm dia	9.0000	RM	71.38	642.42
22.45	25 mm dia	9.0000	RM	64.89	584.01
22.46	20 mm dia	9.0000	RM	58.4	525.60
22.47	15 mm dia	9.0000	RM	51.91	467.19
22.48	Supplying and placing plastic cylindrical vertical closed top tank of sintex/ polycon/ patton make over the staging with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes				
22.49	A. 2000 litre capacity				
22.5	Sintex make	2.0000	Each	15366.5	30733.00
22.51	Polycon make	2.0000	Each	12226.95	24453.90
22.52	B. 1500 litre capacity				

22.53	Sintex make	2.0000	Each	12063.01	24126.02
22.54	Polycon make	2.0000	Each	9709.47	19418.94
22.55	C. 1000 litre capacity				
22.56	Sintex make	2.0000	Each	8607.93	17215.86
22.57	Polycon make	2.0000	Each	7042.65	14085.30
Total in Figures					4987889.01
Quoted Disocunt Rate			Select		0.00

NOTES :

1. Applicable rate of GST to be mentioned by the Bidders

- IGST _____%
- CGST _____%
- SGST _____%

2. Bidder has to submit the above SOR mentioning the discount row as Quoted . Discount to be mentioned in the BOQ format only.

Note : In case the bidder is covered under composition scheme under GST laws then bidder should quote the price inclusive of the GST(CGST & SGST/UTGST or IGST). Further, such bidder should mention “cover under composition system” in above column for GST (CGST & SGST/UTGST or IGST) under such circumstances, bidder’s price will not be loaded with GST

- No claim shall be entertained from contractor if the actual quantities or items of work differ from those indicated in SOQ.
- The quantities of work actually carried out against each item will be measured jointly by APL and authorized person of contractor or contractor himself and paid at the rates quoted in the Schedule of Quantities
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PART -B

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
1	EARTH WORKS :				
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m as directed by Engineer-in-charge.				
1.2	All kinds of soil	85.0000	Cum	174.11	14799.35
1.3	Supplying and filling sand gravel in foundation trenches/ pits, side berms of road open parking area over slushy soil including pumping out water (if necessary), ramming etc. complete for strengthening the bearing capacity of the soil/sub soil as directed and specified.	8.0000	Cum	837.45	6699.60
1.4	With river sand / silt by truck carriage including loading and unloading.	10.0000	Cum	1831.61	18316.10
1.5	With stone dust by truck carriage including loading and unloading.	10.0000	Cum	481.16	4811.60
1.6	Clearing grass and removal of the rubbish up to a distance of 50m outside the periphery of the area cleared.	10.0000	Cum	6.27	62.70
2	CEMENT CONCRETE WORK :				
2.1	Providing and laying in position plain cement concrete (P.C.C) of specified grade excluding the cost of centering and shuttering- All work up to plint level.				
2.2	In proportion of 1:5:10	2.6000	Cum	5127.92	13332.59
2.3	Plain cement concrete works with coarse aggregate of size 13 mm to 32 mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary. (Cement shall be supplied from APL store at a cost of Rs. 375.00/- per bag excluding GST)				
2.4	In proportion of 1:3:6	7.0000	Cum	4820.33	33742.31

2.5	In proportion of 1:4:8	5.0000	Cum	4368.65	21843.25
2.6	In proportion of 1:5:10	4.0000	Cum	4008.37	16033.48
2.7	Plain Cement concrete floor base in proportion 1:3:6 laid in alternate bays as specified with coarse aggregate of size 13mm to 32mm including dewatering if necessary and curing etc. complete.(Cement shall be supplied from APL store at a cost of Rs 375.00/- per bag excluding GST)				
2.8	35 mm thick	5.2000	Sqm	217.72	1132.14
2.9	50mm thick	3.7500	Sqm	284.4	1066.50
2.1	100mm thick	3.2000	Sqm	552.35	1767.52
2.11	Providing and laying plain/reinforced cement concrete works , cement, coarse sand and 20mm down graded stone agg. Including dewatering if necessary, and curing complete (Form work and reinforcement will be measured and paid seperately.) (cement shall be supplied from APL store at a cost of Rs 375.00/- per bag excluding GST)				
2.12	Without using Admixture, plasticiser				
2.13	M15 grade concrete or prop. 1:2: 4	5.0000	Cum	6570.41	32852.05
2.14	Providing and laying damp proof course 40 mm thick with cement concrete in prop 1:2:4 (1 cement:2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources)	30.1000	Sqm	314.29	9460.13
3	TIMBER SHUTTERING (FORMWORK) :				
3.1	Providing Form Work of ordinary timber planking so as to give a rough finish including centering, shuttering and propping etc. height of propping and centering below supporting loor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in:	15.0000	Sqm	260.98	3914.70
3.2	Providing Bamboo Scaffolding up to a height of 6.5 M including 2nd class timber plank platforms and removal of the same complete as directed & specified (measurement to be taken on elevation area of the building / structure).	145.0000	Sqm	56.39	8176.55
4	MASONRY WORKS :				
4.1	Providing Soling in foundation and under floor with stone/best quality picked jhama brick, sand packed and laid to level and in panel after preparing the sub grade as directed including all labour and materials and if necessary dewatering, complete.				

4.2	Brick on flat soling.	50.0000	Sqm.	340.44	17022.00
4.3	Filling Sunken Floor with broken jhamma brick bats and sand including compacting and supplying of materials complete as specified and directed for all levels.	2.5000	Cum	4854.36	12135.90
4.4	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed.				
4.5	In Sub-Structure upto plinth level including dewatering if necessary.				
4.6	In proportion 1:4	10.1000	Cum	5832.49	58908.15
4.7	1st class brick nogged wall (112 mm thick) in cement mortar including racking out joints and curing complete as directed in super structure above plinth upto 1st floor level (protruding M.S rod/Tor steel of column to be embedded in cement mortar & will be measured and paid separately)				
4.8	In cement mortar in proportion 1:4	50.0000	Sqm	730.54	36527.00
4.9	1st class brick nogged wall (75 mm thick wall) in cement mortar including racking out joints and curing complete as directed in super structure above plinth upto 1st floor level (protruding M.S rod/ Tor steel of column to be embedded in cement mortar & will be measured and paid separately)				
4.1	In cement mortar in proportion 1:4	5.0000	Sqm	547.44	2737.20
4.11	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos. 6 mm dia M.S bars at every third course of masonry work.	20.0000	cum	7534.95	150699.00
4.12	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement: 3 fine sand)	5.0000	Sqm	296.07	1480.35
5	FLOOR AND FLOOR FINISH :				
5.1	Cement concrete works in topping 1:1:2 on RCC floor, tread and rise of steps, kitchen slab etc finished with a floating coat of neat cement using cement slurry for bond @ 2.75 kg of cement per sqm of floor to be laid in panels including curing complete as directed.				
5.2	15 mm Thick	75.0000	Sqm	254.52	19089.00
5.3	20 mm Thick	75.0000	Sqm	303.61	22770.75

5.4	25 mm thick cement concrete topping 1:2:4 finished with a floating coat of neat cement slurry to be laid in panels including curing complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/ bag of cement.excluding GST)	10.0000	Sqm	252.93	2529.30
5.5	40 mm thick cement concrete floor consisting of 25mm under layer of cement concrete in prop 1:3:6 and 15 mm thick wearing layer in cement concrete in proportion 1:1:2 finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square meter of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/ bag of cement.excluding GST)	10.0000	Sqm	455.35	4553.50
5.6	65 mm thick cement concrete floor consisting of 53 mm under layer of cement concrete in prop. 1:3: 6 and 12mm thick wearing course of cement sand plaster in prop. 1:2 laid in panels and finished with a coat of neat cement finish including curing etc. complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/ bag of cement.excluding GST)	15.0000	Sqm	573.89	8608.35
5.7	40 mm thick red oxide floor with under layer of 30 mm thick cement concrete in prop. 1:3:6 and top layer of 10 mm thick plaster of cement red-oxide of iron per 50 kg of cement in prop. 1:3 (1 cement re oxide : 3 coarse sand) finished with a floating coat of neat cement red oxide mix of same proportion.	10.0000	Sqm	496.41	4964.10
5.8	Providing Ceramic tiles of approved quality, size, shape ad thickness not less than 8mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 including cutting where necessaryfinished with flush pointing with fix-A Tile Choksey/ Sika/ Pedelite/Rouf/ White cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed.				
5.9	On Floor				
5.1	Executive range(Somany/orient/Nitco/Asian Make)				
5.11	Size 300mm × 300mm and above.	22.0000	Sqm	691.09	15203.98
5.12	Providing Polished ceramic Tiles of approved quality, size, shape and thickness not less				

	than 8mm thick on walls and skirting over cement mortar bed 10mm thick in prop. 1:3 including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/ Sika/Pedelite/ Rouf/ White cement slurry) mixed with approved pigment to match shade of tiles complete at all levels as specified and directed.				
5.13	Delux range Somany/ Orient/ Nitco/ Varmora Make.				
5.14	Of size 300mm × 450mm and above	15.0000	Sqm	1045.98	15689.70
5.15	Providing Vitrified floor tiles of approved quality of specified size, shape and thickness not less than 18mm o floors, skirtings, risers and treads of steps over 15mm thick base of cement mortar I prop.1:3 including cutting where necessary finished with flush pointing with Fix-A-Tile white cement slurry mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed.				
5.16	Normal range (Somany/ Orient/ Nitco/ Varmora/ Jhonson make)				
5.17	Of size 600mm × 600mm and above.	100.0000	Sqm	1366.8	136680.00
5.18	Providing Anti skid tiles of approved quality, size, shape and thickness not less than 8mm on floors, skirtings,over a cement mortar bed 15mm thick of 1:3 approved make fix with Fix-A-Tile/ white cement complete at all level as specified and directed.				
5.19	CERAMIC				
5.111	Normal Range (Sizes 300mm × 300mm and above)				
5.112	Orient made: Galaxy Brown, Galaxy Creama, Galaxy Pink, Galaxy Green, Pulsar Beige,				
5.113	Pulsar Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj Green, Burj Slate.	11.0000	Sqm	780.92	8590.12
5.114	Providing polished granite slab of approved quality, size, shape and thickness not less than 18 mm on floors, skirtings, treads and risers of steps over cement morder bed 15 mm thick in prop 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile Choksey/Sika/Pedelite/Rouf/ white cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels pecified and directed.				
5.115	Executive Quality	5.0000	Sqm	2969.03	14845.15
5.116	Providing, supplyimg and fixing Vinyl Flooring for general purpose of specified thickness, robust or equivalent using adhesive fevicol SR 998, thermo weldding joining as per requirement etc. completye of approved				

	brand as per the manufactures specification and directed by the department. The joints in the flooring will be sealed by using a PVC welding bar of matching color. The cost is included for supply and fixing of self leveling compound (2- 3mm approx thick) all complete as per direction of Enginner-in-charge.				
5.117	1 mm thick	15.0000	Sqm	763	11445.00
5.118	1.5 mm thick	20.0000	Sqm	933	18660.00
5.119	Cement plaster skirting with cement mortar in prop. 1:3 finished with a floating coat of neat cement including rounding of junctions with floor				
5.1111	15 mm thick	20.0000	Sqm	258.75	5175.00
5.1112	20 mm thick	21.0000	Sqm	298.34	6265.14
5.1113	Providing edge moulding to 18mm thick marble stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-charge				
5.1114	Marble work	20.0000	Rm	207.55	4151.00
5.1115	Granite work	20.0000	Rm	354.97	7099.40
5.1116	Fitting ceramic tiles/ vitrified tiles/ anti skid tiles of approved quality, size, shape and thickness not less than 8 mm to 18 mm thick on walls, floors and skirting over cement mortar bed 10 mm thick in prop. 1:3 including cutting where necessary finished with flush pointing with Fix-A- Tile (Choksey/sika/pedelite/rouf/white cement slurry) mixed with approved pigment to match shade of tiles complete at all levels as specified and directed (Tiles will be provided by civil deptt.)	50.0000	Sqm	455	22750.00
6	PLASTERING :				
6.1	15 mm thik cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed. (Cement shall be supplied from APL store at a cost of Rs. 375.00/ bag of cement excluding GST)				
6.1.I	On rough side.				
6.1.I.a	In cement mortar prop. 1:6	42.5000	Sqm	249.46	10602.05
6.1.I.b	In cement mortar prop. 1:4	100.0000	Sqm	300.43	30043.00
7	CEILING WORKS :				
7.1	Providing, fitting & fixing 4 mm thick A.C building board in ceiling with necessary nails, wood screws etc. including 1st class localwood 50 mm x 12 mm beading complete	85.0000	Sqm	655.45	55713.25

	as directed and specified.				
7.2	Providing, fitting & fixing poly-coated hessian cloth in ceiling with necessary tacks, tapes etc. including 1st class localwood 50 mm x 12 mm beading complete as directed and specified.	25.0000	Sqm	256.97	6424.25
7.3	Supplying, fitting, fixing and painting (one coat primer and two coats of paint) M/F Suspended ceiling which includes GI perimeterchannels of size 0.55 mm thick (having one flange of 20 mm and another flange of 30 mm and a web of 27 mm) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of nylon sleeves and screws, at 610 mm c/c. Then suspending GI intermediate channels of size 45 mm (0.9 mm thick with two equal flanges of 15 mm each) from the soffit at 1220 mm c/c with ceiling angle of width 25 mm x 10 mm x 0.55 mm thick fixed to soffit with GI cleat and steel expansin fasteners. Ceiling section of 0.55 mm thickness having knurled web of 51.5 mm and two equal flanges of 26 mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457 mm c/c, 9.5 mm/12.5 tapered edge Gypboard is then screw fixed to ceiling section with 25 mm long drywall screws at 230 mm c/c. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally, the boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compounds, joint paper tape and two coats of drywall topcoat suitable for Gypboard complete at all levels as specified and directed.				
7.3.a	12.5 mm thick	25.0000	Sqm	1056.83	26420.75
8	ROOFING AND ROOF TREATMENT :				
8.01	Providing corrugated Galvanised Iron Sheet roofing of TATA SHAKTEE/ SAIL (0.63 mm thick) including fitting and fixing necessary galvinesed J or L hooks, bolts and nuts 8mm dia with bitumen washers 25mm dia x 3 mm thick and 1.6mm thick limpet washers complete excludng the cost of roof truss, purlin etc. to be measured and paid seperately.	35.0000	Sqm	828.85	29009.75
8.2	Providing galvinesed iron ridging 0.63mm thick and 230mm lapping of TATA SHAKTEE/SAIL including supplying and	50.0000	RM	374.25	18712.50

	fixing necessary galvd screws/washers etc. complete as directed.				
8.3	Labour for fitting and fixing Galvinesed corrugated iron roofing including supplying and fixing with new galvd. Screws, J hook, bolts nuts washer etc. complete as directed.				
8.3.a	CGI Sheet	122.0000	Sqm	135.55	16537.10
8.3.b	b. stos Sheet	155.0000	Sqm	165.35	25629.25
8.4	Labour for taking out and refitting Ridging including supplying and fixing necessary galvd. Screws, bolts and nuts complete as directed.				
8.4.a	Galvanised Iron Ridging	60.5000	RM	74.89	4530.85
8.4.b	Asbestos Ridging	100.0000	RM	91.34	9134.00
8.5	Providing 13 mm mesh hexagonal wire net made of one IS designation (1mm dia) wire above post plate in eaves with Ist class Hollock/Bonsum/ Sundi timber to fit exactly with the corrugation of roofing sheet including kiricide oiling two coats to timber works complete as directed. (bird proof net)	35.0000	Sqm	610.35	21362.25
8.6	Providing 0.63 mm thick (24 gauge) galvinised plain sheet in valley, lining, flashing etc. and fitted with gavd. Iron J or L hooks, bolts and nuts, GI limpet and bitumen washers.	11.0000	Sqm	735.6	8091.60
8.7	Providing bracket made out of MS flat, bent to proper size and shape as per drawings and fitting with necessary bolts and nuts, sand washers etc. for fixing AC/ GI sheet gutters with purlins.	12.0000	kg	227.94	2735.28
8.8	Providing and laying four course water proofing treatement with bitumen felt over roof consisting of first and third courses of blown or residual bitumen applied hot @ 1.45kg per sq.m of area for each course second course of roofing with felt type 3 grade 1 (hessian base self finished bitumen) and fourth and final coursewith stone grit 6mm and down size, felt pea gravel spread @ 0.006m3 per sq.m including preparation of surface, excluding grouting etc. asdirected and specified.	25.0000	Sqm	466.12	11653.00
8.9	Providing corrugated 1.20mm thick transparent fibre sheet roofing including fitting and fixing necessary galvanised J or L hooks, bolts and nuts of 8mm dia with bitumen washer 25mm dia × 3mm thick and 1.6 mm thick limpet washercomplete excluding cost of roof truss, purlins etc. (Roof trusses, purlin etc. to be measured and paid separately.)	10.0000	Sqm	1481.82	14818.20
8.1	Providing 1.2 mm thick transparent fibre sheet ridging 1.2 mm thick and 300mm lapping including supplying and fixing	25.0000	RM	254.25	6356.25

	galvanised screws/ washers etc. complete as specified and directed.				
8.11	Providing and laying bitumin felt of type 3 grade 1 (hessian base self finished) as water proofing treatment of leaking slope roof (CGI / CAC Sheet) over and including a first course of hot bitumen applied evenly over the affected area @ 1.45 kg/sqm after properly cleaning the roof surface by wire brush & sand paper as directed.	25.0000	Sqm	372.9	9322.50
8.12	Providing and fixing precoated galvanised iron profile sheets (0.50mm) (size, shape and pitch of corrugation as approved by Engineer-in-charge) with zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	20.0000	Sqm	866.56	17331.20
8.13	Providing colour coated (Iron plastic laminated sheet) ridging (0.65mm thick) including supplying and fixing necessary galvanised screws / washer etc. complete as specified and directed.	20.0000	Rm	498.92	9978.40
8.14	Providing, fitting and fixing of asbestos sheet including fitting and fixing necessary galvanised J or L hooks, bolts and nuts 8 mm dia with bitumen washers 25 mm dia x 3 mm thick and 1.6 mm thick limpet washers complete excluding the cost of roof truss, purlin etc. to be measured and paid seperately.	100.0000	Sqm	462.1	46210.00
8.15	Providing reinforced by organic fibre cement 6 mm thick corrugated sheet roofing upto any pitch and fixing with J or L hooks, bolts and nuts 8 mm dia GI plain and bitumin wahers or with self drilling fastener and EPDM washers etc complete including cutting sheets to size and shape wherever required.	20.0000	Sqm	391.62	7832.40

8.16	Providing and fixing fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I seam bolt sand nuts, GI plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete				
8.17	Corrugated apron pieces	30.0000	Sqm	308.82	9264.60
8.18	North light curves	25.0000	Sqm	418.28	10457.00
8.19	Ventilator curves	25.0000	Sqm	454.21	11355.25
8.111	Special north light curves	25.0000	Sqm	744.57	18614.25
8.112	S type louvers	25.0000	Sqm	404	10100.00
8.113	Providing and fixing precoated galvanised iron profile sheets (0.50mm) total coated thickness with zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	20.0000	Sqm	569.13	11382.60
8.14	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05%) total coated thickness, zinc coating 120 grams per sqm AS PER is:277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete:				
8.15	Ridges plain (500-600 mm)	15.0000	Metre	381.88	5728.20
8.16	S type louvers	15.0000	Metre	941.23	14118.45
9	WOOD WORKS :				
9.01	Providing wood works in frame (chowkath) of doors, windows, clerestory windows and other similar works with Ist class locally available timber ((Bonsum/Sundi)) wrought, framed and fixed in position in contact with CC or brick masonry wall including supplying, fitting and fixing with MS hold fast as per design embeded in cement	2.5000	Cum	90445.92	226114.80

	concrete block in prop.1:2: 4 with two coats of kiricide oil to the timber faces in contact with CC or masonry as directed and specified.				
9.02	Providing undressed wood works in roof trusses, rafter, tie, purlin and the like including other including hoisting and fixing in position (with 1st class locally available timber) with necessary spikes, nails, MS straps with bolts and nuts etc. complete with kiricide oiling two coats to all timber.	2.4000	Cum	98629.27	236710.25
9.03	Providing wood work in frame of false ceiling partitions etc. sawn, wrought, framed hoisted and fixed in position with spikes, nails,M.S flat, angle/cleats with bolt and nuts complete including kiricide oiling two coats to unexposed surfaces of the timber (M.S flats, angle cleats, and boltsand nutsrequired for flat, angle cleats wherever necessary shall be measured and paid separately).				
9.3a	With gamari/Bonsum/Sundi	1.5000	Cum	82273.9	123410.85
9.4	Providing barge board of size 200 x 20 mm with 1st class local wood Hollock/ Bonsum timber including fitting and fixing with necessary wood screws etc. complete.	22.0000	RM	392.72	8639.84
9.5	Providing and fixing 12mm thick and 150mm wide pelmet with 25 mm dia wooden curtain rod and bracket including fixing with 15mmx 3mm MS flat 100mm long plugs complete.				
9.5.a	Veneered particle board (12 mm thick)	30.0000	Rm	531	15930.00
9.5.b	First class local wood (Gamari)	35.0000	Rm	433.53	15173.55
9.6	Providing and fixing wooden handrail 100mm x 60mm rounded hand rails in straight lengths complete.				
9.6a	1st class local wood (Gamari/Bonsum)	12.0000	RM	638.43	7661.16
9.7	Providing and fixing 25mm x 25mm 1st class timber balustrade 25mm x 25 mm square, wrought fixed with ends housed to hand rails and trends complete.	10.0000	RM	247.84	2478.40
9.8	Providing 1st class local wood ventilating louvers in 50mm x 38mm size wooden frame with 150mm x 20mm slate made of 1st class local wood including fitting and fixing with nails and painting with two coats of kiricide oiling complete.	2.5000	Sqm	1896.6	4741.50
9.9a	Providing , fitting and fixing 1/3 panelled 2/3 glazed wooden shutters for doors/windows with 1st class local wood including oxidised iron butt hinges (100mm x 75mm x 3.55mm) with necessary screws including glass panes .				
9.9b	35 mm thick.	2.0000	Sqm	4528.92	9057.84
9.1	Providing , fitting and fixing of 35 mm thick full panelled doors/ windows including oxidised MS butt hinges (100mm x 75mm x	29.0000	Sqm	3139.52	91046.08

	3.55mm) with necessary screws.				
9.11a	Providing, fitting & fixing factory made wooden panelled doors with panel inserts of 75mm to 50mm width and 12mm to 20mm thickness, joined together with continuous tongue and groove joints glued together with Movicol or other approved adhesive leaving a vertical groove of 7.5mm to 15mm between the inserts, the edges of panel inserts being feather tongue into styles and rails including providing 3 pairs of oxidised M.S butt hinges and furnishing with moulded timber beading of size 25mm x 15mm around the panels complete as per drawing.				
9.11b	With 1st class local wood (Bola/Sundi)				
9.11c	30mm thick with panel inserts of 20mm thickness.	15.0000	Sqm	2541.05	38115.75
9.12a	Providing, fitting and fixing 1st class local wood battened, ledged and braced door and window shutters including oxidised iron butt hinges (100mm x 58mm x 1.9 mm) 6 nos with necessary screws.				
9.12b	25 mm thick				
9.12c	Using Gameri Wood	3.5000	Sqm	3709.28	12982.48
9.13a	Providing, fitting and fixing fully glazed window with sash bars including oxidised M.S butt hinges 2 nos on each leaf and 3 nos on single leaf.				
9.13b	With 1st class local wood				
9.13c	35 mm thick.	15.0000	Sqm.	2030.17	30452.55
9.14	Providing, fitting and fixing fully glazed window without intermediate sash bars including oxidised MS butt hinges (75mm x 60mm x 3.15 mm) 2 nos on each leaf and 3 nos. single leaf (glass panes to be measured and paid separately).	2.0000	Sqm.	3559.85	7119.70
9.15a	Providing, fitting and fixing fully glazed wooden door shutter with necessary butt hinges, screws etc complete as per approved drawing as directed and specified at all level. (fittings ie tower bolt, door handle, aldrop, glass panes etc should be measured and paid separately)				
9.15b	With 1st class Local Woo				
9.15.c	35 mm thick	2.5000	Sqm	1821.02	4552.55
9.15.d	40 mm thick	2.5000	Sqm	1922.72	4806.80
9.16	Providing and fixing 25 mm thick wooden shutters for cup board including black enamelled MS butt hinges (75mm x 40mm x 1.12mm) 6 nos. with necessary Using particle / block board with 12 mm thick.	15.0000	Sqm	3321.22	49818.30
9.17	Supplying, fitting and fixing 30 mm thick flush door shutter made of phenol bonded Duratuff				

	exterior grade plain medium density fibre board using 4 nos. of hinges 125mm long ensuring that the hinges are not fixed less than 150mm from the edges.				
9.17a	Decorative type	20.0000	Sqm	2388.67	47773.40
9.17a	Non- Decorative type	21.0000	Sqm	1594.95	33493.95
9.18	Providing, fitting and fixing fly-proof galvd. M.S. wire gauge of I.S. designation 85 G with wire of dia. of 0.56mm to windows and clerestory windows including timber beading of size 50mmx 20mm complete.				
9.18a	With 1st class local timber bead	15.0000	Sqm	987.25	14808.75
9.19	Applying one coat of wood preservative on previously created wood and wood based surfaces, including preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter, sand papering and knotting.				
9.19a	With kiricide oil.	88.0000	Sqm	21.93	1929.84
9.2	Providing, fitting and fixing dressed timber (1st class local wood) ceiling beads of cross sectional size 50 x 20 mm edges chamfered and fixed with necessary nails etc. including removing damaged beads on existing ceiling complete as directed and specified.	52.5000	Rm	68.25	3583.13
9.2	Providing, fitting and fixing wire gauge (Jali) shutter for windows, ventilators etc. in 30mm thick wooden (1st class locally available timber) framing with galvanized MS wire mesh of IS: DESIGNATION 85G of wire dia 0.56 mm including oxidized iron butt hinges with screw wherever necessary complete as directed and specified.	4.5000	Rm	2661.27	11975.72
9.21.a	Providing 40x5 flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	50.0000	Each	164.71	8235.50
9.22	Providing, fitting and fixing 22 gauge aluminium plain sheet on inside faces of toilet/bathroom wooden doors to act as a protective layer against water complete as directed and specified.	9.5000	Sqm	591.69	5621.06
9.23	Providing and fixing 1st class timber beading for fixing clear sheet glass / frosted glass including applying a coat of wood preservative on unexposed surface.	20.0000	R.M	202.72	4054.40
10	GRILL WORKS :				
10.1	Providing, fitting and fixing MS round bars with MS flat stiffeners at required spacing In wooden frames of windows and clerestory windows.	15.5000	Kg	83.51	1294.41
10.2	Providing, fitting and fixing MS grill of required pattern for windows/ clerestory				

	windows / opening with MS flats at required spacing in frame all round MS bars with round headed bolts and nuts or screws.				
10.2.A	Plain grill				
10.2.A.a	Fixed to wooden frames.	10.5000	Kg	167.55	1759.28
10.2.A.b	Fixed to Steel frames	10.5000	Kg	153.39	1610.60
10.2.A.c	Fixed to Brickwork / PCC / RCC	10.5000	Kg	99.64	1046.22
10.2.B	Ornamental grill				
10.2.B.a	Fixed to wooden frames.	10.5000	Kg	113.79	1194.80
10.2.B.b	Fixed to Steel frames	10.5000	Kg	112.93	1185.77
10.2.B.c	Fixed to Brickwork / PCC / RCC	10.5000	Kg	119.24	1252.02
11	ALUMINIUM / PVC DOORS, WINDOWS AND OTHER WORKS :				
11.1	Providing, fitting and fixing Anodised aluminium glazed doors with anodised aluminium frame made of 100mm x 45mm x 2.5mm section of approved brand (HINDALCO/NALCO/BALCO/ JINDAL other equivalent primary producers with door style of size 88mm x 45mm x 2.5mm, 50mm x 45mm x 2mm , lock rails 100mm x 45mm x 2.5mm fitted with glazing clips, special type rubber gasket complete including hydraulic floor spring, pivot, tower bolts in each leaf.				
11.1.a	6 mm clear glass.	10.0000	Sqm	11702.98	117029.80
11.1.b	5 mm clear glass.	10.0000	Sqm	11746.44	117464.40
11.1.c	Prelaminated Board	10.0000	Sqm	11797.12	117971.20
11.2	Providing, fitting and fixing Anodised aluminium framed glazed doors with partition walls partly glass and partly prelaminated board with anodised aluminium frame made of approved brand 100mm x 43mm x 2mm section with doors style of size 81mm x 43mm x 2mm, top rail 46mm x 43mm x 2mm, lock rail 81mm x 43mm x 2mm, fitting with glazing clips, special rubber gasket complete including hydraulic floor spring pivot aluminium door handle lock angles clear etc. complete as directed and specified.				
11.2a	5mm thick glass panes with 12mm laminated particle board.	10.0000	Sqm	4069.95	40699.50
11.3	Providing, fitting and fixing Anodised aluminium sliding windows and ventilators of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.				

11.3.A	A. 2 Track sliding window				
11.3.A.a	a. 5 mm clear glass	10.0000	Sqm	5352.56	53525.60
11.3.A..b	b. 5 mm frosted glass	10.0000	Sqm	4831.2	48312.00
11.3.B.	3 Track sliding window				
11.3.B.a	5 mm clear glass	10.0000	Sqm	5291.12	52911.20
11.3.B.b	5 mm frosted glass	2.5000	Sqm	5477.66	13694.15
11.4	Providing, fitting and fixing Anodised aluminium fixed windows and ventilators of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded fitted with glass panes of required thickness and 12 mm prelaminated boards and providing and fixing handles, angle cleat, rubber gasket, roller bolting device, screws as required complete as specified and directed for all levels.				
11.4.a	5 mm clear glass	2.5000	Sqm	5225.25	13063.13
11.4.b	6 mm clear glass	2.5000	Sqm	5578.05	13945.13
11.5	Providing, fitting and fixing Anodised Aluminium partition walls of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) joints mitred and welded and providing and fixing handles, angle cleat, rubber gasket, roller bolting device, screws as required complete as specified and directed for all levels.				
11.5.a	5 mm clear glass	5.0000	Sqm	3471.17	17355.85
11.5.b	5 mm frosted glass	20.0000	Sqm	3730.13	74602.60
11.5.c	Partly 5 mm thick glass panes and 12 mm prelaminated ply board.	2.5000	Sqm	3702.61	9256.53
11.5.d	Prelaminated board	5.0000	sqm	3622	18110.00
11.6	Providing, fitting and fixing Anodised aluminium sliding windows and ventilators of standard sections of approved brand (HINDALCO/NALCO/BALCO/JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded fitted with 6 mm x 3.15 mm lugs 100 mm long embeded in CC blocks 150 mm x 100 mm x 100 mm in 1:3:6 mix including providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.				
11.6.A	Side hung anf Top hung windows and ventilators				
11.6.A.a	6 mm clear glass.	2.5000	sqm	6715.8	16789.50

11.6.A.b	5 mm clear glass.	5.0000	sqm	6572.04	32860.20
11.6.A.c	5 mm frosted glass	5.0000	sqm	6760.55	33802.75
11.7	Providing, fitting and fixing Coloured Anodised aluminium sliding windows and ventilators of standard sections of approved brand (HINDALCO/ NALCO/ BALCO/ JINDAL/Other equivalent primary producer) without horizontal glazing bars, joints mitred and welded and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.				
11.7.A	2 Track sliding window				
11.7.A.a	5 mm clear glass	1.5000	sqm	5417.99	8126.99
11.7.A.b	5 mm frosted glass	1.5000	sqm	5601.02	8401.53
11.7.A.c	6 mm clear glass	1.5000	sqm	5557.56	8336.34
11.7.B	3 Track sliding window				
11.7.B.a	5 mm clear glass	1.5000	Sqm	5526.54	8289.81
11.7.B.b	5 mm frosted glass	1.5000	Sqm	5709.55	8564.33
11.7.B.c	6 mm clear glass	1.5000	Sqm	5666.11	8499.17
11.8	Providing, fitting and fixing 40 mm x 48 mm wood reinforced PVC chokath fixed to the columns/ stiffener/ walls with necessary holdfast / sleeves etc. as specified and directed at all levels.	50.0000	Rm	345.99	17299.50
11.9	Providing, fitting and fixing 24 mm / 29 mm thick Polymer reinforced moulded PVC door shutters fixed to the chokath with necessary hinges, screws, bolts etc. as specified and directed at all levels(Door fixtures and fittings to be measured and paid seperately)				
11.9.b	29 mm thick	25.0000	Sqm	1702.24	42556.00
12	PAINTING WORKS :				
12.01	Removing white wash or colour wash by steel wire brushing and/ or scraping, sand papering and preparing the wall surface smooth ancluding repairs to screatches complete.	11.5000	Sqm	9.22	106.03
12.02	White washing with lime on wall surfaces (three or more coats) to give an even shade including thoroughly brooming the surface to remove all dust,dirt,mortar drops & other foreign matters.	450.0000	Sqm	27.5	12375.00
12.04	Colour washing with lime on wall surface (two coats) over and including a priming coat of white washing to give an even shade after thoroughly brooming the surface to remove all the dust and dirt, mortar drops and other foreign matters.	250.0000	Sqm	19	4750.00

12.06	Cement washing with portland cement slurry on wall surface (one coats) to give a smooth bodied opaque finish including throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter.	700.0000	Sqm	8.69	6083.00
12.07	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	514.0000	sqm	17.67	9082.38
12.08	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade over and including priming coat of white primer after thoroughly brushing the surface free from mortar dropings and other foreign matters including preparing surfaceeve and sand papered smooth.	45.0000	Sqm	57.78	2600.10
12.09	Distempering with dry distemper of approved brand and manufacture (one coat) and of required shade on old wall surface to give an even shade after thoroughly booming the surface free from dirt, loose scales and other foreign matters and also including preparing the surface even and sand papered smooth.	677.5000	Sqm	32.72	22167.80
12.1	Distempering one coat with 1st quality acrylic distemper having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture including applying additional coats wherever required to achieve even shade and colour.	25.0000	Sqm	46.4	1160.00
12.11	Distempering two coat with 1st quality acrylic distemper having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture including applying additional coats wherever required to achieve even shade and colour.	35.0000	Sqm	76.31	2670.85
12.12	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on new wall surface (one or more coats) to give an even shade after thoroughly booming the surface to remove all dirt and remains of loose powdered materials.	356.0000	Sqm	53.6	19081.60

12.1	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer over the plastered wall surface to prepare the surface even and smooth complete.	127.0000	Sqm	104.96	13329.92
12.15	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger/ ICI / J & N Paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matters and sand paperde smooth.	35.0000	Sqm	103.01	3605.35
12.16	wall painting (one coat) with plastic emulsion Paint approved brand and manufacture (Asian/Berger/ ICI/ J &N Paint/ Nerolac) on old wall surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	25.0000	Sqm	68.01	1700.25
12.17	Removing old paint or polish from steel, metal, wood & wood based surfaces by using paint remover and sand papering the surface smooth & clean complete as directed.	100.0000	Sqm	15.78	1578.00
12.17	On surfaces upto 100mm in width/girth	50.0000	Sqm	4.33	216.50
12.18	Applying priming coat over new wood and wood based surfaces & including preparing the surfaces by throughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (Wood Primer)				
12.18.a	On surfaces over 100 mm in width/girth	232.0000	Sqm	52.07	12080.24
12.18.b	On surfaces upto 100 mm in width/girth.	220.0000	RM	4.36	959.20
12.19	Painting one coat (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matters sand papering and stopping.				
12.19.I	General purpose(Asian/Berger/ICI/J & N / Nerolac paint)				
12.19.I.a	On surfaces over 100 mm in width/girth	450.0000	Sqm	46.32	20844.00
12.19.I.b	On surfaces upto 100 mm in width/girth.	565.0000	RM	4.96	2802.40
12.2	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matters sand papering and stopping.				
12.2.A	General purpose(Asian/Berger/ICI/J & N / Nerolac paint)				

12.2.A.a	On surfaces over 100 mm in width/girth	23.5000	RM	69.56	1634.66
12.2.A.a	On surfaces upto 100 mm in width/girth	18.0000	RM	7.86	141.48
12.21	Applying priming coat over new steel and other structure after preparing the surface by thoroughly cleaning oil, grease, dirt and dust and other foreign matters and scoured with brushes, fine steels, wood scrapers and sand papers				
12.21.I	With ready made mixed red-lead/ red oxide primer.				
12.21.I.a	On surfaces over 100 mm in width/girth	8.0000	Sqm	38.13	305.04
12.21.I.b	On surfaces upto 100 mm in width/girth.	3.5000	RM	4.26	14.91
12.21.I.b	Applying Aluminium paint (One or more coats on old work) of approved brand, make & shade on steel or metal surfaces to give an even shade including preparing the surface by through cleaning & sand papering to remove all dirt, dust, oil, grease & other foreign matter as directed complete.				
12.21.I.b	One or more coats on old work	8.0000	RM	67.29	538.32
12.23.a	75mm diameter pipes	5.0000	Sqm	18.85	94.25
12.23.b	100mm diameter pipes	5.0000	RM	24.91	124.55
12.25	Painting one coat on old CGI sheets with ready mixed anticorrosive paint of approved brand and manufacture and shade to give an even shade including the cleaning the rust patches with emery papers, dust, dirt, grease and other foreign matters with water complete.	150.0000	Sqm	65.42	9813.00
12.26	Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of approved make of BERGER/ Asian Paint/Nerolac of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	72.5000	Sqm	79.79	5784.78
13	VARNISHING				
13.01	Varnishing (excluding priming coat) on new wood and wood based surface under coating with flattening varnish and finishing coat with copal varnish or spar varnish to give an even surface including cleaning the surface of all dirt, dust and filling the knots crack etc. with specially made putty and sand papering so as to give a smoothy, dry and matt surface.				
13.01.a	One or more coats with copal varnish	86.5000	Sqm	47.11	4075.02
13.03	Polishing with french sprit polishing on previously polished wood and wood based surface even surface including cleaning the	30.5000	Sqm	70.05	2136.53

	surface of all dirt, dust sand paperd smooth and including a coat of wood filter.				
14	DOOR AND WINDOW FITTINGS:				
14.01	Supplyng, fitting and fixing electro coloured iron fittings of approved make, reasonbly smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for wood screws including necessary screws etc. complete.				
14.1.a	a) MS Butt hinges				
14.1.a.i	Medium type				
14.1.a.ii	75 mm x 47 x 1.60mm	42.0000	Pair	33.9	1423.80
14.1.a.iii	100mm x 58mm x 1.90mm	52.0000	Pair	44.4	2308.80
14.1.b	MS parliamentary hinges				
14.1.b.i	100mm	2.0000	Pair	260.92	521.84
14.1.b.ii	125mm	10.0000	Pair	333.05	3330.50
14.1.c	M.S Door Latches				
14.1.c.i	300mm x 20mm x 6mm	5.0000	Each	143.82	719.10
14.1.c.ii	250mm x 10mm x 6mm	5.0000	Each	121.12	605.60
14.1.d	M.S Mortice Night Latches	5.0000	Each	1195.48	5977.40
14.02	Supplying, fitting and fixing anodised aluminium fittings of approved make, reasonbly smooth free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.				
14.02.a	Sliding door bolts.				
14.02.a.i	300mm x 16mm	8.0000	Each	220.6	1764.80
14.02.a.ii	250mm x 16mm	10.0000	Each	199.07	1990.70
14.02.b	Tower bolts				
14.02.b.i	300mm x 12mm	27.0000	Each	95.86	2588.22
14.02.b.ii	250mm x 12mm	4.0000	Each	82.9	331.60
14.02.b.iii	200mm x 12mm	87.0000	Each	76.95	6694.65
14.02.b.iv	150mm x 10mm	67.0000	Each	64.02	4289.34
14.02.b.v	100mm x 10mm	52.0000	Each	49.7	2584.40
14.02.c	Door handles				
14.02.c.i	75mm	45.0000	Each	39.23	1765.35
14.02.c.ii	100mm	116.0000	Each	45.12	5233.92
14.02.c.iii	150mm	85.0000	Each	50.89	4325.65
14.02.d	Gate shutter hook & eye				
14.02.d.i	125mm	9.0000	Each	27.61	248.49
14.02.d.ii	150mm	20.0000	Each	30.28	605.60
14.02.e	Hydraulic door closure	2.0000	Each	1209.6	2419.20
14.02.f	Mortice lock vertical type				

14.02.f.i	65mm (Godrej with handle 2 lever)	9.0000	Set	626.98	5642.82
14.02.g	Drawer locks				
14.2.g.i	50mm	2.0000	Each	229.87	459.74
14.2.g.ii	65mm	2.0000	Each	276.94	553.88
14.2.g.iii	75 mm	5.0000	Each	283.28	1416.40
14.2.h	Cupboard locks				
14.2.h.i	50mm	2.0000	Each	216.51	433.02
14.2.h.ii	65mm	2.0000	Each	236.54	473.08
14.2.f.i	Curtain rod				
14.2.f.i.i	20 mm x 2 mm	50.0000	RM	129.37	6468.50
14.2.j	Door stopper with rubber stopper	5.0000	Each	52.75	263.75
14.03	Supplying, fitting and fixing brass fittings of approved make, reasonably smooth free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary brass screws etc. complete.				
14.3.a	Sliding door bolts.				
14.3.a.i	300mm x 16mm	10.0000	Each	925.33	9253.30
14.3.a.ii	250mm x 16mm	10.0000	Each	858.53	8585.30
14.3.b	Door handles				
14.3.b.i	100mm	10.0000	Each	160.89	1608.90
14.3.b.ii	150mm	10.0000	Each	173.82	1738.20
14.3.c	Drawer Locks (cast brass)				
14.3.c.i	40 mm	5.0000	Each	320.09	1600.45
14.3.c.ii	50 mm	10.0000	Each	373.51	3735.10
14.3.c.iii	65 mm	4.0000	Each	433.61	1734.44
14.3.c.iv	75 mm	4.0000	Each	493.71	1974.84
14.3.d	Cupboard Locks (Cast Brass)				
14.3.d.i	40 mm	5.0000	Each	260.58	1302.90
14.3.d.ii	50 mm	5.0000	Each	313.99	1569.95
14.3.d.iii	65 mm	5.0000	Each	374.1	1870.50
14.3.d.iv	75 mm	5.0000	Each	434.2	2171.00
14.3.e	Wardrobe knob CP brass 25 mm	5.0000	Each	81.04	405.20
14.3.f	Ball catcher 10 mm dia brass	5.0000	Set	56.99	284.95
14.3.g	Magnet catcher brass	5.0000	Set	56.99	284.95
14.4	Providing, fitting and fixing Floor Spring of various weight & type UL listed and fire rated good quality depending on the door specification. Types like single speed, Double speed, Heavy duty etc are available and as directed & specified by the department.				
14.4.a	Compact Floor spring B710 (size 274 mm x 97 mm x 40 mm)	1.0000	Each	5288.61	5288.61
14.4.b	Heavy duty floor spring D 100 (size 308 mm x 108 mm x 40.5 mm)	1.0000	Each	6292.97	6292.97

15	GLASS FITTINGS :				
15.1	Providing and fixing clear sheet glass bedded in putty and fixed with/ without wooden bidding including necessary cutting and glass to be required sized(Payment for wooden bead shall be made separately)				
15.1.1	Area of glass panes not exceeding 0.15 sqm.				
15.1.1.a	3.00 mm thick	6.2000	Sqm	545.83	3384.15
15.1.2	area of glass panes exceeding 0.15 sqm. But not exceeding 0.52 sqm.				
15.1.2.a	3.00 mm thick	16.5000	Sqm	502.26	8287.29
15.1.2.b	4.00mm thick	3.5000	Sqm	631.06	2208.71
15.2	Providing and fixing plain frosted glass of ordinary quality bedded in putty and fixed with/ without wooden bidding including necessary cutting and glass to be required sized (payment for wooden bead shall be made seperately).				
15.2.1	Area of glass panes not exceeding 0.15 sqm.				
15.2.1.a	3.5 mm thick	20.0000	Sqm	759.34	15186.80
15.2.2	area of glass panes exceeding 0.15 sqm but not exceeding 0.52 sqm.				
15.2.2.a	4.00 mm thick	6.0000	Sqm	753.82	4522.92
15.3	Supplying, fitting & fixing Toughened glass.				
15.3.a	8 mm	3.0000	Sqm	8972.18	26916.54
15.3.b	12 mm	3.0000	Sqm	10495.76	31487.28
16.2	Renewal of old putty of glass panes	5.0000	RM	39.32	196.60
16	FENCING AND GATES :				
16.1	Providing barbed wire on the existing barbed wire fencing with seven strands of barbed wire 12 S.W.G ×2 piles×4 points at 75mm apart including supplying, fitting and fixing with galvanised staples 38 mm×38 mm× 3 mm size with existing posts of the fencing,including removing rotten barbed wire as directed, complete with strengthening of post & tightening of the old barbed wire and joining old serviceable pieces on remaining lines as and where necessary and as directed.	490.0000	RM	19.6	9604.00
16.2	Supplying, fitting and fixing goat proof wire fencing 1200 mm high with horizontal wire spacing at 100mm, 100mm, 100mm, 100mm, 100mm, 100mm, 150mm, 150mm, 150mm and 150 mm from bottom onwards and vertical wires at 130mm apart, first 3 horizontal wires from top barbed wire 12 S.W. × 2 PILES × 4 POINTS × 100mm apart bottom wire 10 S.W.G. fitted with angle iron posts, above including supplying,fitting & fixing with necessary hooks, bolts and staples	20.5500	RM	595.59	12239.37

	etc. with anti-corrosive black paint etc. complete as directed and specified (intermediate and straining post should be placed not more than 4000mm and not less than 3000mm apart and all posts embedded in C.C pillars of size 300mm × 300mm × 600mm in prop 1:3:6.				
16.3	Supplying, fitting & fixing chain link fencing of 10 S.W.G, G.I. wire 50mm × 50mm mesh fitted to M.S angle iron post at 2000mm apart of specification detailed below including supplying, fitting & fixing hooks, eye bolts with nuts, staples and bolts including three horizontal lines of G.I wire 10 S.W.G at top, middle and bottom and with one vertical line to each fencing post for keeping the fencing tight and erect complete, including one coat of primer painting to M.S angle iron post in P.C.C base etc. with following. a) Corner and end posts with M.S angle of size 50mm × 50mm × 5mm and length not less than 1800mm only duly slotted and bottom torqued with two numbers as stay posts. b) Intermediate post with M.S angle of size 40mm × 40mm × 5mm length and not less than 1800 mm only duly slotted and bottom torqued and splayed. c) Stay post with M.S angle of size 35 mm × 35mm × 5mm and length not less than 1800 mm duly slotted and bottom torqued and splayed. All M.S angle iron posts are to be fitted to P.C.C base embedded not less than 600mm (P.C.C work shall be measured and paid separately)	25.0000	Sqm	737.52	18438.00
16.4	Grouting and fixing angle iron fencing posts with cement concrete in proportion 1:3:6 of size 300 mm x 300 mm x 600 mm including earthwork in excavation, refilling and dressing etc. complete as directed.	5.0000	Each	365.66	1828.30
16.5	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.0 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with GI staples and GI clips to retain horizontal, including necessary bolts or GI barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg / sq.mm with tape (0.52 mm thick) and weight 43.478 gm / metre (cost of MS angle, CC blocks shall be paid separately)	15.0000	Rm	364.56	5468.40

17	STEEL AND IRON WORKS :				
17.01	Supplying, fitting & fixing in position reinforcement bars conforming to IS:1786 Grade of Tiscon / SAIL make including straightening, cleaning, cutting & bending to proper shapes & length as per detail drawing binding with 20G annealed black wire, placing in position with proper blocks, supports, chairs, spacers etc. up to a maximum level of 6.5 m height complete as directed & specified.	3.0000	Kg	75.38	226.14
17.02	Labour cost for fitting & fixing in position reinforcement bars conforming to relevant IS:Code including straightening, cleaning, cutting & bending to proper shapes & length as per detail drawing binding with 20G annealed black wire, placing in position with proper blocks, supports, chairs, spacers etc. up to a maximum level of 6.5 m height complete as directed & specified.	3.5000	Qntl	1038.29	3634.02
17.3a	Providing, fitting hoisting and fixing of roof trusses including purlins fabricated using MS Circular Hollow Section conforming to relevant I.S code, as per approved design and drawings including providing M.S cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate Primer and two coats of approved enamel paints complete including fitting necessary cleats etc.for fixing ceiling joists as per design and drawing as directed.				
17.3b	a) TATA make Circular Hollow section-CHS of Grade YST-310 conforming to IS specification: 1161-1998	100.0000	Qntl	78.85	7885.00
17.4	Labour cost for fabricating, hoisting & fixing of roof trusses and purlins made of MS black tubes or MS angle conforming to relevant IS:Code as per approved design and drawing including providing MS connecting plate, cleat, base plate, bolts & nuts and supplying & painting (single coat) with red oxide primer complete as directed & specified.	10.0000	Qntl	1946.79	19467.90
17.5	Providing, fitting, hoisting and fixing of roof trusses fabricated using any one or Combination of following sections of (i) Square section (ii) Rectangular Hollow section of specification SHS/RHS and including purlins, bottom runners and providing M.S cleat, MS angle base plank, bolts and nuts with red oxide primer including fitting bottom runner and cleat etc. for fixing ceiling joist as per design complete as directed as per specification				

17.6	Providing, fitting & fixing steel windows/ventilators (openable) of standard rolled steel sections as per relevant IS. Code-1038 joints mitred and welded with 15mm × 3mm × 100 mm lugs embedded in cement concrete block of M-10 grade including providing and fixing of projecting hinges (not more than 65mm and not less than 15mm wide) bolting device and steel handles, peg stays of 300mm long etc. complete as per drawing including applying a priming coat of red-lead paint.	2.5000	Sqm	2956.4	7391.00
17.8	Providing, fitting and fixing powder coated pressed steel door frame made of 1.25 mm thick sheet of various sizes with necessary hinge jamb, lock jamb, head and steel base ties at the bottom of the frame. The whole frame shall be welded or rigidly fixed together by mechanical means with base ties of pressed mild steel angle of size 20X20X1.25 mm thick. Frame to be filled up with 1:4:8 P.C.C after fitting the frame with brick / concrete works etc complete as directed by the department for all levels. (P.C.C to be measured and paid for seperately).				
17.8.a	Size 90 mm X 60 mm (Single rebate)	15.0000	RM	800.83	12012.45
17.8.b	Size 100 mm X 60 mm (Single rebate)	15.0000	RM	800.83	12012.45
17.8.c	Size 125 mm X 60 mm (Single rebate)	15.0000	RM	814.3	12214.50
17.8.d	Size 125 mm X 60 mm (Double rebate)	15.0000	RM	958.14	14372.10
17.9	Supplying, fitting and fixing double leaf heavy duty iron gate, frame made from 40 mm x 40 mm x 6 mm M.S. angle and with M.S. flat of 40 mm x 6 mm size as per approved design. Necessary locking arrangement for temporary closing the gate and 2 nos (minimum) strong iron hinges of M.S Bars and flat of same sizes on each leaf to be embedded in C.C brick pillars as necessary including a red oxide painting to all iron works as directed and specified. (Separate payment will be made for posts)	1.0000	Qntl	7644.77	7644.77
17.1	Supplying, fitting and fixing door frame of M.S. equal Angle of size 35 mmx35 mmx5 mm fabricated, welded, mitred and joined as per relevant IS codes including fitting 8 nos. of MS hold fast, providing closing/ holding device for 2 nos. tower bolts of door for each side and 1 no for fitting and fixing aldrop (for single leaf) to the frame for fixing the door to the frame applying primer to all steel surfaces fixing the frame to the wall/ rcc members by embedding the hold fast securely in c.c block of M-15 grade complete at all levels as specified and directed.	65.0000	Qntl	87.88	5712.20

17.11	Providing and fixing M.S.Tube Hand Rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer complete as specified and directed by department.	25.0000	Kg	102.48	2562.00
18	PLINTH PROTECTION WORKS & DRAIN :				
18.1	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling and dressing and finishing the top smooth.	11.6500	Sqm	577.69	6730.09
18.2	Providing drain with brick work in cement mortar in proportion 1:5 with half brick thick side walls and 100mm thick C.C (1:3:6) base over one brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shuttering for sides and earthwork in excavation of foundation trenches and refilling the sides after completion of work etc. as specified.				
18.2.i	300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.	10.0000	Rm	894.04	8940.40
18.2.ii	300mm wide and average 250mm deep with bed slope 1 in 150 with initial depth of 100 mm.	8.2000	Rm	1094.91	8978.26
19	DISMANTLING AND DEMOLISHING WORKS :				
19.1.a	Demolishing Plain cement concrete including disposal of debris as directed for all levels, Prop (1:4:8) or leaner mix.	2.1000	Cum	1050.56	2206.18
19.1.b	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material as directed for all levels.	5.3000	Cum	2481.56	13152.27
19.3	Demolishing Brickwork including stacking of serviceable materials as directed for all levels.	2.5500	Cum	594.9	1517.00
19.4	Demolishing Half brickwork (112mm) including stacking of serviceable materials as directed for all levels.	10.6500	Sqm	62.57	666.37
19.5	Dismantling Woodwork in frames, trusses, purlins and rafters including stacking the materials as directed by the department for all levels.	0.7500	Cum	3114.13	2335.60
19.6	Dismantling Woodwork in frames, trusses, purlins and rafters including stacking the materials as directed by the department for all levels.	35.0000	RM	12.45	435.75

19.7	Dismantling Woodwork in frames of ceiling, partition etc. including disposal of debris and stacking of serviceable materials as directed complete.	31.0000	Sqm	37.31	1156.61
19.8	Dismantling Ridges, hips, valleys, gutters etc in sloping roofs including disposal of debris and stacking of serviceable materials as directed complete.	36.2000	RM	115.26	4172.41
19.9	Demolishing the Plastering from walls / R.C.C and P.C.C members without causing any damage to the wall / member upto any height including disposal of debris as directed for all levels.	53.0000	Sqm	38.17	2023.01
19.1	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	5.1000	Sqm	594.9	3033.99
19.11	Dismantling and removing the existing door and window frame (choukath) (shutter) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels.				
19.11.i	Area of Door / Window upto 3.00m2.	10.0000	Each	256.53	2565.30
19.11.ii	Area of Door / Window above 3.00m2.	5.0000	Each	351.33	1756.65
19.12	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 m lead	10.5000	Sqm	39.4	413.70
19.13	Dismantling Wall panels having cement plastered faces over split bamboo woven infill on wooden frames including removing of debris and stacking of serviceable materials as directed complete.	12.5000	Sqm	68.42	855.25
19.14	Dismantling Roofing Sheets (CGI/Asbestos) including disposal of debris and stacking of serviceable material as directed complete.	22.5000	Sqm	39.45	887.63
19.15	Demolishing Mosaic Floor of various thickness, both mosaic tiles and cast in situ type including cc base course and removal of debris as directed for all levels.	35.0000	Sqm	79.15	2770.25
19.16	Demolishing Floor Topping (concrete/plastered) upto a maximum thickness of 20 mm without causing damage to base concrete including disposal of debris and stacking of serviceable material as directed complete.	35.5000	Sqm	44.11	1565.91
19.16	Dismantling aluminium/ gypsum partitions, door, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 m lead as directed by Engineer-in-charge.	5.0000	Sqm	39.4	197.00

19.16	Dismantaling of flushing cistern of all types (CI/PVC/Vitrious china) including stacking of useful materials near the site and disposal of unserviceable materials within 50 m lead.	20.0000	Each	630.96	12619.20
19.16	Dismantaling aluminium/ gypsum partitions, door, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 m lead as directed by Engineer-in-charge.	15.0000	Sqm	39.4	591.00
20	REPAIRING WORKS :				
20.01	Minor repairing of Wooden door frames by removing the damaged portion without dismantling the entire frame and fixing neatly dressed 1st class locally available timber identical in size and shape to theexisting frame including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be applicable to cases where the extent of damage to existing frame is more than 20% as per assessment of APL'S Engineer.)				
20.01.a	Frames of cross sectional size 100 mm x 75 mm	10.0000	Nos	681.29	6812.90
20.01.b	Frames of cross sectional size 150 mm x 75 mm	10.0000	Nos	876.06	8760.60
20.02	Minor repairing of Wooden window frames by removing the damaged portion without dismantling the entire frame and fixing neatly dressed 1st class locally available timber identical in size and shape to theexisting frame including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be applicable to cases where the extent of damage to existing frame is more than 20% as per assessment of APL'S Engineer.)				
20.02.a	Frames of cross sectional size 100 mm x 75 mm	5.0000	Nos	519.15	2595.75
20.02.b	Frames of cross sectional size 150 mm x 75 mm	5.0000	Nos	648.93	3244.65
20.03	Minor repairing of Wooden ventilator frames by removing the damaged portion without dismantling the entire frame and fixing neatly dressed 1st class locally available timber identical in size and shape to theexisting frame including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be				

	applicable to cases where the extent of damage to existing frame is more than 20% as per assessment of APL'S Engineer.)				
20.03.a	Frames of cross sectional size 100 mm x 75 mm	5.0000	Nos	389.36	1946.80
20.03.b	Frames of cross sectional size 150 mm x 75 mm	5.0000	Nos	486.69	2433.45
20.04	Minor repairing of Wooden door/window/ventilator shutters by removing the damaged shutter from frame and replacing damaged portion with neatly dressed 1st class locally available timber identical in size and shape to the existing shutter including painting with enamel paint (2 coats) over a priming coat of wood primer (pink) also including necessary repair to wall (along with painting) if damaged during execution. (Minor repair shall not be applicable to cases where the extent of damage to existing frame is more than 20% as per per assessment of APL'S Engineer.)				
20.04.a	1/3 paneled 2/3 glazed door shutter.	4.0000	Nos	681.37	2725.48
20.04.b	Fully paneled door shutter.	4.0000	Nos	1103.19	4412.76
20.04.c	Battened, ledged & braced door shutter.	4.0000	Nos	1038.29	4153.16
20.4.d	Flush door shutter	4.0000	Nos	1103.19	4412.76
20.4.e	Fully glazed window shutter with or without sash bar.	4.0000	Nos	324.47	1297.88
20.4.f	Battened, ledged & braced window shutter.	4.0000	Nos	421.8	1687.20
20.4.g	Fully glazed ventilator shutter with or without sash bar.	4.0000	Nos	227.12	908.48
21	MISCELLANEOUS WORKS :				
21.01	Construction of temporary shed of maximum height 3.5 M with Bamboo post at 2.00 M interval driven to ground and tied by horizontally placed bamboo at 1.2M interval to form a framed structure with CGI sheet walls tied to bamboo frame including CGI sheet roofing on bamboo rafter and purlin well tied and interlaced with coconut rope and GI wire complete as directed. (CGI sheet shall be supplied free of cost from APLstore on returnable basis.	26.5000	Sqm	182.83	4845.00
21.02	Providing wall panels with both face cement plastered (total 20mm thickness in two coat plastering of proportion 1:4 on each face) having split bamboo (kami) woven infill properly fitted to grooves of wooden framing and tied with GI wire complete as directed. (wooden framing shall be measured and paid separately)	3.5000	Sqm	454.25	1589.88
21.03	Supplying and stacking crusher broken well graded stone aggregate of angular shape free from dust, clay and any other foreign matter as directed.				

21.03.a	Size 20 mm down	1.5000	Cum	1459.88	2189.82
21.03.b	Size 15 mm down	1.5000	Cum	1010.58	1515.87
21.04	Providing inter locking concrete block of concrete grade M40 or above of approved quality, size, shape of specified thickness over a levelling bedding layer of 30 mm compacted sand over a base course of WBM or PCC (Base course to be paid seperately) including cutting where necessary finished with spreading, sweeping jointing sand and compacting the pavers using vibrating compactor as specified and directed.				
21.04	80 mm	50.0000	Sqm.	1386.55	69327.50
21.04	Labour for laying of interlocking concrete blocks/ tiles of concrete grade M40 or above of approved quality, size, shape of specified thickness over a levelling bedding layer of 30 mm compacted sand over a base course of WBM or PCC (Base course to be paid seperately) including cutting where necessary finished with spreading, sweeping jointing sand and compacting the pavers using vibrating compactor as specified and directed (Paver block will be supplied from Civil Deptt.)				
21.04	80 mm	3.0000	Sqm.	620.71	1862.13
21.04	600 mm	3.0000	Sqm.	609.44	1828.32
21.05a	Providing and fixing 16 mm M.S Fan clamps of standard shape and size in existing R.C.C slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.	10.0000	Cum	528.61	5286.10
21.05	Providing and laying non- pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc. complete				
21.05a	i. 300 mm dia. R.C.C. pipe	7.5000	Metre	764.48	5733.60
21.05a	ii. 300 mm dia. R.C.C. pipe	7.5000	Metre	1255.61	9417.08
21.05a	iii. 300 mm dia. R.C.C. pipe	7.5000	Metre	1778.13	13335.98
21.05a	iv. 300 mm dia. R.C.C. pipe	7.5000	Metre	3610.64	27079.80
21.05a	v. 300 mm dia. R.C.C. pipe	7.5000	Metre	4243.43	31825.73
21.05a	vi. 300 mm dia. R.C.C. pipe	7.5000	Metre	5368.4	40263.00

21.05a	Providing, fitting and fixing laminated abrasion resistant wooden flooring of thickness not less than 12 mm laid on existing concrete floor with under layer of approved transparent polythene and foam sheet to make the floor surface even and sound free complete as directed and specified,.	5.0000	Sqm	1769.75	8848.75
21.6.a	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2	50.0000	Sqm	178.7	8935.00
21.6.b	Supplying and stacking at site for WBM				
21.7.a	i. 90 mm to 45 mm size stone aggregate	10.0000	Sqm	1642.11	16421.10
21.7.a	ii. 63 mm to 45 mm size stone aggregate	10.0000	Sqm	1376.76	13767.60
21.7.b	iii. 53 mm to 22.4 mm size stone aggregate	10.0000	Sqm	1557.06	15570.60
21.7.b	Laying, spreading and compacting stone aggregate of specified sizes to WMB specifications in uniform thickness, hand picking, rolling with 3 wheeled road/ vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening/ binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	50.0000	Cum	733.76	36688.00
21.7.b	Granular Sub- Base with coarse graded material (Table- 400-2) (Construction of granular sub-base by providing coarse graded materials, spreading in uniform layers with motor grader on vibratory roller to achieve the desired density complete	52.0000	Cum	2235.23	116231.96
21.7.b	Fitting and fixing of door/ window (MS/Wooden) chookath with shutter including oxidised MS butt hinges (100mm x 75 mm x 3.55 mm) with necessary screws (Materials will be supplied by Civil Deptt.) other fittings will be paid seperately.	10.0000	Each		
21.7.b	Hire charges of diesel road roller- 8 to 10 tonne	5.0000	Day	2542.5	12712.50
21.7.b	Hydraulic Excavator with driver and fuel	5.0000	Day	5932.5	29662.50
21.7.b	Taking out from position and repairing steel window shutters including steel frames at all levels after cutting out the heavily rusted and damaged portion of the shutters and frames and welded with the new Z section of steel members, corners, hinges, stay etc. including fitting and fixing in position and riveting with new rivets adjusting, cleaning, cutting the holes and making good the damages to metal with existing one. Window grills to be removed during carrying out the work and to be re fixed in position after completion of	10.0000	Sqm	937.93	9379.30

	work. The glass panes damaged during execution should also be changed.				
22	SANITARY WORKS :				
22.01	Providing, fitting & fixing Vitreous water closet squatting pan (Indian type W.C Orissa pattern) with all fittings and fixtures complete including cutting and making good to the walls and floors wherever required. Make: Hindware/ Parryware.				
22.01.a.iii	White	3.0000	Each	2185.02	6555.06
22.01.a.iv	Coloured	3.0000	Each	2536.52	7609.56
22.02	Providing, fitting & fixing Vitreous china pedestal type water closet (European type W.C pan 400mm high) with seat and lead, CP brass hinges and rubber buffers, CI/MS brackets, 40mm dia flush band with fittings including painting of fittings and brackets, required.				
22.02.a.i	White				
22.02.a.iii	Pettie (S/P)	5.0000	Each	3737.8	18689.00
22.02.a.iv	Universal Closet P Trap.	5.0000	Each	6868.41	34342.05
22.02.b	Coloured				
22.02.b.i	Pettie (S/P)	4.0000	Each	4821.28	19285.12
22.02.b.ii	Universal Closet P Trap.	4.0000	Each	6868.41	27473.64
22.03	Providing, fitting & fixing Vitreous china flat back type lipped front Urinal Basin with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors wherever required.				
22.03.a	Parryware Make (White)				
22.03.a.i	Flat Back	3.0000	Each	3102.16	9306.48
22.03.b	Hindware Make (White)				
22.03.b.i	FB 460 X 350 X 260	3.0000	Each	3231.47	9694.41
22.04.b	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.	3.0000	Each	2872.47	8617.41
22.04.b	Providing and fixing solid plastic seat with lid for pedestal type W.C pan complete				
22.04.b	White solid plastic seat with lid	10.0000	Each	497.1	4971.00
22.04	Providing, fitting & fixing PVC Automatic Flushing Cistern with all internal fittings with CI brackets including fitting & fixing standard size CP flush pipe, union, clamps etc. complete as directed and specified.				
22.04.a	White				

22.04.b	Make: Parryware / Hindware	10.0000	Each	1636.39	16363.90
22.05	Providing and fixing wash basin with C.I brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern including painting of fittings and brackets, cutting and making good walls wherever required. White Vitreous China Flat back wash basin size 550x400mm with single 15mm PTMT pillar cocok.				
22.05a	Without Padestal				
22.05.A	Parryware Make				
22.05.A.a	White				
22.05.A.a.i	Size 550 × 400	5.0000	Each	2137.26	10686.30
22.05	Providing and fixing wash basin with C.I brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern including painting of fittings and brackets, cutting and making good walls wherever required. White Vitreous China Flat back wash basin size 550x400mm with single 15mm PTMT pillar cocok.				
22.05a	With Padestal				
22.05.A	Parryware Make				
22.05.A.a	White				
22.05.A.a.i	Size 550 × 400	10.0000	Each	3408.56	34085.60
22.5.B	Providing and fixing stainless steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required				
22.5.B.a	Kitchen sink with drain board				
22.5.B.a.i	Size 510 × 1040 mm bowl depth 250 mm	5.0000	Each	5092.16	25460.80
22.5.B.a.ii	Size 510 × 1040 mm bowl depth 200 mm	5.0000	Each	5318.91	26594.55
22.5.B.a	Kitchen sink without drain board				
22.5.B.a.i	Size 610 × 510 mm bowl depth 200 mm	2.0000	Each	3622.55	7245.10
22.5.B.a.ii	Size 470 × 420 mm bowl depth 178 mm	2.0000	Each	2488.64	4977.28
22.8	Providing, fitting & fixing Laboratory Sink of Parryware/Hindware make with CI/MS brackets, C.P brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings, cutting & making good the walls wherever required.				
22.8.B	Hindware Make (White)				
22.8.B.i	Size 450 × 300 × 150 mm	2.0000	Each	3621.32	7242.64
22.8.B.ii	Size 600 × 450 × 200 mm	2.0000	Each	4755.19	9510.38

22.9	Supplying, fitting & fixing Chrome plated (C.P) Basin mixer.				
22.9.a	Jaquar make	10.0000	Each	3087.9	30879.00
22.1	Supplying, fitting & fixing Chrome plated (C.P) Wall mixer 3 in 1 with telephonic shower arrangement.				
22.10.a	Jaquar make	2.0000	Each	3572.33	7144.66
22.10.b	Agmeco make	3.0000	Each	3434.86	10304.58
22.10.c	Essco make	3.0000	Each	3048.63	9145.89
22.11	Supplying, fitting & fixing Telephonic Chrome Plated (C.P) Shower with 1.5 m flexible tube with wall hook..				
22.11.a	Jaquar make	3.0000	Each	1751.15	5253.45
22.12	Providing, fitting & fixing Mirror with plastic frame of size 500 × 400 mm complete as directed and specified.	3.0000	Each	980.89	2942.67
22.13.i	Providing, fitting & fixing decorative mirror complete as directed and specified.	3.0000	Each	1195.94	3587.82
22.14	Providing, fitting & fixing Glass Shelf complete as directed & specified.				
22.14.A	Glass shelf with C.P guard rail.				
22.14.Aa	Sona make (Cat No. TR-0701)				
22.14.A.ii	600 mm	3.0000	Each	798.47	2395.41
22.15	Providing, fitting and fixing Soap Trey / Soap Dish complete as directed and specified.				
22.15.A	Sona make	5.0000	Each	380.08	1900.40
22.16	Providing, fitting & fixing CP Towel Rail complete as directed & specified.				
22.16a	Sona Make				
22.16.i	450 mm long	3.0000	Each	486.12	1458.36
22.16.ii	900 mm long	3.0000	Each	650.87	1952.61
22.17	Providing, fitting & fixing Chrome Plated robe hook complete as directed & specified.				
22.17.a	Jaquar Make				
22.17.a.i	Continental	1.0000	Each	502.57	502.57
22.17.b	Agmeco Make				
22.17.b.i	Econ	1.0000	Each	849.66	849.66
22.18	Providing, fitting & fixing Chrome Plated Waste Coupling as directed & specified.				
22.18.a	Jaquar Make				
22.18.a.i	32 mm	1.0000	Each	447.9	447.90
22.18.b	Sona				
22.18.b.i	Rupa 32 mm	3.0000	Each	352.86	1058.58
22.19	Supplying, fitting & fixing PVC Pipes of 6kg/cm2 (Supreme /Prince) or other ISI approved including joining, fitting and fixing with clamps etc. as necessary complete at all				

	levels including below G.L as directed and specified.				
22.19.a	In exposed surfaces or in trenches				
22.19.a.i	110 mm dia	3.0000	Rm	708.3	2124.90
22.19.a.ii	75 mm dia	3.0000	Rm	374.98	1124.94
22.19.a.iii	50 mm dia	3.0000	Rm	197.31	591.93
22.19.b	Concealed by chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.19.b.i	110 mm dia	2.0000	Rm	761.01	1522.02
22.19.b.ii	75 mm dia	2.0000	Rm	427.7	855.40
22.19.b.iii	50 mm dia	2.0000	Rm	250.02	500.04
22.2	Supplying, fitting & fixing 87.5 degree PVC bend of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.2.a	In exposed surfaces or in trenches				
22.2.a.i	110 mm dia	2.0000	Each	268.93	537.86
22.2.a.ii	75 mm dia	2.0000	Each	164.59	329.18
22.2.a.iii	50 mm dia	2.0000	Each	129.33	258.66
22.2.b	Concealed by Chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.2.b.i	110 mm dia	2.0000	Each	405.92	811.84
22.2.b.ii	75 mm dia	2.0000	Each	293.76	587.52
22.2.b.iii	50 mm dia	2.0000	Each	260.75	521.50
22.21	Supplying, fitting & fixing 87.5 degree PVC bend with door of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.21.a	In exposed surfaces or in trenches				
22.21.a.i	110 mm dia	4.0000	Each	315.95	1263.80
22.21.a.ii	75 mm dia	4.0000	Each	202.8	811.20
22.21.a.iii	50 mm dia	4.0000	Each	151.36	605.44
22.21.b	Concealed by Chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.21.b.i	110 mm dia	5.0000	Each	451.84	2259.20
22.21.b.ii	75 mm dia	5.0000	Each	329.49	1647.45
22.21.b.iii	50 mm dia	5.0000	Each	281.39	1406.95
22.22	Supplying, fitting & fixing 45 degree PVC bend of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and				

	specified.				
22.22.a	In exposed surfaces or in trenches				
22.22.a.i	110 mm dia	5.0000	Each	216.01	1080.05
22.22.a.ii	75 mm dia	5.0000	Each	152.83	764.15
22.22.b	Concealed by Chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.22.b.i	110 mm dia	5.0000	Each	354.32	1771.60
22.22.b.ii	75 mm dia	5.0000	Each	282.77	1413.85
22.23	Supplying, fitting & fixing PVC Plain single tee of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.23.a	In exposed surfaces or in trenches				
22.23.a.i	110 mm dia	5.0000	Each	313.01	1565.05
22.23.a.ii	75 mm dia	5.0000	Each	198.4	992.00
22.23.b	Concealed by chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.23.b.i	110 mm dia	4.0000	Each	448.95	1795.80
22.23.b.ii	75 mm dia	4.0000	Each	325.37	1301.48
22.24	Supplying, fitting & fixing PVC single tee with door of (Supreme / prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L as directed and specified.				
22.24.a	In exposed surfaces or in trenches				
22.24.a.i	110 mm dia	5.0000	Each	398.23	1991.15
22.24.a.ii	75 mm dia	5.0000	Each	230.71	1153.55
22.24.b	Concealed by chiselling or breaking brick wall /CC/RCC & making good to the damages.				
22.24.b.i	110 mm dia	4.0000	Each	532.16	2128.64
22.24.b.ii	75 mm dia	3.0000	Each	355.62	1066.86
22.25	Providing, fitting & fixing C.I Grating to the floors complete as directed and specified.				
22.25.i	110 mm dia	2.0000	Each	157.24	314.48
22.25.ii	75 mm dia	2.0000	Each	142.54	285.08
22.25.iii	50 mm dia	2.0000	Each	120.49	240.98
22.26	Providing, fitting & fixing 450 mm dia 90 mm thick C.I Man hole cover and frame of 19 kg weight complete as directed and specified.	1.0000	Each	1732.79	1732.79
22.27	Providing, fitting & fixing (600 x 600) mm dia 90 mm thick C.I Man hole cover and frame of 25 kg weight complete as directed and specified.	1.0000	Each	2041.22	2041.22
22.28	Supplying GI Pipes OF Heavy thickness.				

22.28a	ITC / Nezone				
22.28.i	15 mm dia	23.0000	RM	80.51	1851.73
22.28.ii	20 mm dia	22.0000	RM	110.17	2423.74
22.28.iii	25 mm dia	12.0000	RM	166.11	1993.32
22.28.iv	40 mm dia	3.0000	RM	245.77	737.31
22.28.iv	50 mm dia	4.0000	RM	305.1	1220.40
22.29	Supplying CPVC water supply piping of Prince or equivalent approved brand.				
22.29.a	15 mm dia	3.0000	RM	57.26	171.78
22.29.b	20 mm dia	3.5000	RM	70.74	247.59
22.29.c	25 mm dia	7.0000	RM	101.05	707.35
22.29.d	32 mm dia	12.0000	RM	134.74	1616.88
22.29.e	40 mm dia	12.0000	RM	190.88	2290.56
22.3	Supplying, fitting and fixing approved uPVC / cPVC pipes of different sizes, with all necessary 'R' brand or similar approved uPVC / cPVC fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc complete at all levels including below G.L as directed and specified. (SUPREME / PRINCE / SFMC / FUSION brand)				
22.3.A	Exposed or in trenches				
22.3.A.a	50 mm dia	5.0000	Rm	785.63	3928.15
22.3.A.b	40 mm dia	5.0000	Rm	571.51	2857.55
22.3.A.c	32 mm dia	5.0000	Rm	424.55	2122.75
22.3.A.d	25 mm dia	5.0000	Rm	346.24	1731.20
22.3.A,e	20 mm dia	5.0000	Rm	275.52	1377.60
22.3.A,f	15 mm dia	5.0000	Rm	216.87	1084.35
22.3.B	Concealed by chieselling or breaking brick wall / CC wall / RCC wall and making good to the damaged structure.				
22.3.B.c	32 mm dia	5.0000	Rm	373.87	1869.35
22.3.B.d	25 mm dia	5.0000	Rm	435.4	2177.00
22.3.B.e	20 mm dia	5.0000	Rm	530.57	2652.85
22.3.B.f	15 mm dia	5.0000	Rm	604.05	3020.25
22.31	Health Faucet set with 1 m long pvc flexible tube and ABS Wall Hook (chrome finish), make: Jaquar / Klaxon Eco ABS	4.0000	Each	1587.68	6350.72
22.32	Supplying G.I Fittings such as bend, tee, elbow, reducer, nipple, plug SOCKET etc.				
22.32.A	G.I Socket (ZOLOTO brand.) (Heavy)				
22.32.A.i	15 mm dia	4.0000	Each	26.92	107.68
22.32.A.ii	20 mm dia	3.0000	Each	43.79	131.37
22.32.A.iii	25 mm dia	5.0000	Each	59.51	297.55
22.32.B	G.I Reducing Socket. (ZOLOTO brand.) (Heavy)				

22.32.B.i	20mm x 15 mm size	2.0000	Each	43.79	87.58
22.32.B.ii	25mm x 20 mm size	2.0000	Each	59.51	119.02
22.32.C	Gi Tee (ZOLOTO brand.) (Heavy)				
22.32.C.i	15 mm dia	6.0000	Each	44.91	269.46
22.32.C.ii	20 mm dia	5.0000	Each	70.74	353.70
22.32.C.iii	25 mm dia	5.0000	Each	96.56	482.80
22.32.C.iv	40 mm dia	6.0000	Each	215.59	1293.54
22.32.D	G.I Reducing Tee (ZOLOTO brand.) (Heavy)				
22.32.D.i	20 mm x 15 mm size	2.0000	Each	43.79	87.58
22.32.D.ii	25 mm x 20 mm size	2.0000	Each	59.51	119.02
22.32.D.iii	25 mm x 15 mm size	2.0000	Each	59.51	119.02
22.32.E	G.I Elbow (ZOLOTO brand.) (Heavy)				
22.32.E.i	15 mm dia	8.0000	Each	30.87	246.96
22.32.E.ii	20 mm dia	8.0000	Each	52.77	422.16
22.32.E.iii	25 mm dia	8.0000	Each	67.37	538.96
22.32.E.iv	40 mm dia	8.0000	Each	148.21	1185.68
22.32.F	G.I UNION				
22.32.F.i	15 mm dia	2.0000	Each	81.96	163.92
22.32.F.ii	20 mm dia	2.0000	Each	140.35	280.70
22.32.F.iii	25 mm dia	9.0000	Each	183.02	1647.18
22.32.F.iv	40 mm dia	9.0000	Each	324.51	2920.59
22.32.G	G.I Nipple				
22.32.G.i	15 mm dia	9.0000	Each	26.38	237.42
22.32.G.ii	20 mm dia	2.0000	Each	39.3	78.60
22.32.G.iii	25 mm dia	3.0000	Each	68.49	205.47
22.32.G.iv	40 mm dia	7.0000	Each	131.37	919.59
22.32.H	G.I Plug				
22.32.H.i	15 mm dia	6.0000	Each	23.58	141.48
22.32.H.ii	20 mm dia	2.0000	Each	36.49	72.98
22.32.H.iii	25 mm dia	2.0000	Each	56.14	112.28
22.32.H.iv	40 mm dia	2.0000	Each	105.54	211.08
22.33	Supplying and fitting gun metal country pit valve (Full way Valve) I.S.I make as specified and directed.				
22.33.i	50 mm dia.	1.0000	Each	744.31	744.31
22.33.ii	40 mm dia.	1.0000	Each	599.43	599.43
22.33.iii	25 mm dia.	1.0000	Each	451.16	451.16
22.33.iv	20 mm dia.	1.0000	Each	391.33	391.33
22.34	Supplying, fitting and fixing stop cock of approved brand of size as mentioned below and directed and specified.				
22.34.a	Brass stop cock				

22.34.a.i	15 mm dia	15.0000	Each	257.51	3862.65
22.34.a.ii	20 mm dia	3.0000	Each	277.93	833.79
22.34.b	C.P Stop cock				
22.34.b.I	Jaquar Brand / Agmeeco Brand / Sona Brand / Essco Brand				
22.34.b.I.i	15 mm dia (Angular Stop Cock)	2.0000	Each	847.72	1695.44
22.34.b.I.ii	Concealed Stop Cock with adjustable wall flange	2.0000	Each	1475.86	2951.72
22.35	Supplying, fitting and fixing C.P pillar cock of 15 mm dia of approved brand as specified and directed.				
22.35.b	Sona Make				
22.35.b.i	Light type	8.0000	Each	487.7	3901.60
22.35.b.ii	Heavy type	20.0000	Each	644.82	12896.40
22.36	Supplying, fitting & fixing 15 mm dia Bib Cock of approved make and standard quality as directed and specified.				
22.36.a	Polymer Bib Cock make- Prayag polymer make				
22.36.a.i	Standard	50.0000	Each	93.09	4654.50
22.36.a.ii	Long body with flange	25.0000	Each	132.76	3319.00
22.36.b	CP Bib Cock, make- ESSCO. (Delux/Sumthing Special-Tropical)				
22.36.b.i	Short body	3.0000	Each	367.98	1103.94
22.36.b.ii	Long body	3.0000	Each	606	1818.00
22.37	Supplying, fitting and fixing overhead adjustable Chrome Plated (C.P) spray shower 15 mm dia of Sona make with wall flange as directed and specified.				
22.37.i	Supreme Shower with arm.	2.0000	Each	834.66	1669.32
22.37.ii	Apex/Kiran/Priya/RimZim/Bugle shower with arm.	3.0000	Each	900.12	2700.36
22.38	Labour for laying, fitting & fixing PVC rain water piping including cutting to required length and joining with bends, junctions, tees etc. complete with necessary rubber gasket, solvent cement, clamps etc. including cutting wall/floor/roof wherever required and necessary repair of the same after fixing of pipe line as directed.	8.5000	RM	110.32	937.72
22.39	Labour for laying, fitting and fixing PVC Waste Water and soil waste piping including cutting to required length and joining with bends, junctions, tees etc. complete with necessary rubber gasket, solvent cement, clamps etc. including cutting wall/floor/roof wherever required and necessary repair of the same after fixing of pipe line as directed.				
22.39.i	110 mm dia piping.	3.5000	RM	129.88	454.58
22.39.ii	75 mm dia piping.	7.5000	RM	97.33	729.98

22.4	Labour for dismantling & removing existing rain water,waste water and soil waste piping including stacking of serviceable materials as directed.	11.0000	RM	51.91	571.01
22.41	Labour for dismantling & removing existing Indian/european type W.C including cutting of floor/wall as required with stacking of serviceable materials as directed.	8.0000	Each	93.81	750.48
22.42	Labour for dismantling & removing existing Wash Basin including cutting of floor/wall as required with stacking of serviceable materials as directed.	5.0000	Each	129.79	648.95
22.43	Labour for fitting and fixing GI piping including cutting to required length, making threads and joining with all necessary GI fittings such as bends, tee, elbow, reducer, nipple, plug etc. including necessary joining glue (holdtite), clamps, screws etc. complete as directed & specified.				
22.44	32 mm dia	9.0000	RM	71.38	642.42
22.45	25 mm dia	9.0000	RM	64.89	584.01
22.46	20 mm dia	9.0000	RM	58.4	525.60
22.47	15 mm dia	9.0000	RM	51.91	467.19
22.48	Supplying and placing plastic cylindrical vertical clauded top tank of sintex/ polycon/ patton make over the staggering with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes				
22.49	A. 2000 litre capacity				
22.5	Sintex make	2.0000	Each	15366.5	30733.00
22.51	Polycon make	2.0000	Each	12226.95	24453.90
22.52	B. 1500 litre capacity				
22.53	Sintex make	2.0000	Each	12063.01	24126.02
22.54	Polycon make	2.0000	Each	9709.47	19418.94
22.55	C. 1000 litre capacity				
22.56	Sintex make	2.0000	Each	8607.93	17215.86
22.57	Polycon make	2.0000	Each	7042.65	14085.30
Total in Figures					4981490.99
Quoted Discount Rate			Select		0.00

NOTES :

1. Applicable rate of GST to be mentioned by the Bidders

- d. IGST _____ %
e. CGST _____ %
f. SGST _____ %



2. Bidder has to submit the above SOR mentioning the discount as Quoted . Discount to be mentioned in the BOQ format only.

Note : In case the bidder is covered under composition scheme under GST laws then bidder should quote the price inclusive of the GST (CGST & SGST/UTGST or IGST). Further, such bidder should mention “cover under composition system” in above column for GST (CGST & SGST/UTGST or IGST) under such circumstances, bidder's price will not be loaded with GST

- (v) No claim shall be entertained from contractor if the actual quantities or items of work differ from those indicated in SOQ.
- (vi) The quantities of work actually carried out against each item will be measured jointly by APL and authorized person of contractor or contractor himself and paid at the rates quoted in the Schedule of Quantities
- (vii) The quantities of work actually carried out against each item will be measured jointly by APL and authorized person of contractor or contractor himself and paid at the rates quoted in the Schedule of Quantities.