



ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

Plot No. 19, Sector 16A, Noida – 201301, U.P.
Phone: 0120 –2419000, 2419200
Fax: 0120-2488310
E-mail: corp_c&p@oilindia.in
Web Site: www.oil-india.com

OIL INDIA LIMITED (OIL) invites Domestic Competitive Bids (LCB) from experienced Service Providers through its E- procurement portal “<https://etender.srm.oilindia.in/irj/portal>” for the following works / services:

Tender No.	CLI2038P20 Dated 25.07.2019
Description of Work / Service	INTERIOR DECORATION WORKS AT RECEPTION, AUDITORIUM & FACADE OF OIL HOUSE, PLOT NO. 19, SECTOR-16A, NOIDA
Type of Bid	SINGLE STAGE TWO BID SYSTEM
Tender Fees	NIL
Bid Closing Date & Time	05.09.2019 (14:00 HRS : Server Time)
Technical Bid Opening Date & Time	05.09.2019 (15:00 HRS : Server Time)
Bid Submission Mode	Bid should be uploaded in OIL's e-Procurement portal.
Bid Opening Place	Office of the Chief General Manager (C&P), Oil India Limited, Plot No. 19, Sector-16A, Noida-201 301, Uttar Pradesh
Priced Bid Opening Date & Time	Will be intimated to the eligible bidder(s) nearer time.
Bid Security (EMD)	<p>Rs. 18,79,000.00</p> <p>The Bid Security should be in the form of Bank Guarantee (as per format provided and valid for minimum 150 days from the original date of Technical bid opening) / Bank Draft / Banker's Cheque favouring OIL INDIA LIMITED, payable at NOIDA / DELHI for the amount applicable and purchased from any Scheduled Indian Bank. Alternatively, the Bid Security can be deposited on-line in the E- procurement portal through the online payment gateway.</p> <p>Notes:</p> <p>a. In case of Bidder(s) submitting Bid Security in the form of Bank Guarantee / Bank Draft / Banker's Cheque, the Original hard copy of Bid Security should reach the office of Chief General Manager (C&P), Oil India Limited, Plot No. 19, Sector-16A, Noida-201 301, Uttar Pradesh on or before Bid Closing date and time.</p> <p>b. A scanned copy of Bid Security document / EMD Invoice (in case of Bid Security deposited on-line) may also be uploaded along with the Unpriced Techno-Commercial Bid documents.</p>
Pre-Bid conference	<p>OIL will organize a pre-Bid conference on 14.08.2019 at Noida/Delhi, India for providing clarifications to prospective bidders on Bid Rejection Criteria (BRC)/Bid Evaluation Criteria (BEC), Scope of Work and Special Terms & Conditions of the tender to enable them to understand the exact service requirement of the Company. Bidders interested to attend the pre-bid conference should contact/intimate well in advance for details of the venue, to Chief General Manager (C&P), OIL INDIA LIMITED, Plot No. 19, Sector 16A, NOIDA, UP, E-MAIL: rupakkalita@oilindia.in.</p> <p>At the most 2(two) representatives from each prospective bidder shall be allowed to participate in the pre-bid conference.</p>

E-TENDER NO. CLI2038P20

	<p>All costs for attending the pre-bid conference shall be to prospective bidders' account.</p> <p>The prospective bidders shall submit their queries through E-mail to e-mail id rupakkalita@oilindia.in on or before 07.08.2019 (17:15 Hrs). OIL shall either reply / clarify their queries through e-mail or in the pre-bid conference. OIL will not be responsible for non-receipt or late receipt of any bidder's query in OIL's office.</p> <p>Note: The exact time & venue of the Pre-Bid Conference will be intimated to the Bidders nearer the time. All costs in regards to attending the pre-bid conference by the Bidders shall be to their respective account.</p>
Bid Validity	Minimum 120 days from the original date of Technical bid opening
Bid Security Validity	Minimum 150 days from the original date of Technical bid opening
Amount of Performance Security	10% of contract value excluding GST
<p>2.1 For participation, applicants already having User ID & Password for OIL's E-procurement portal need to register against the IFB in OIL's E-procurement portal for participation.</p> <p>2.2 Bidders without having E-tender Login ID and Password should complete their online registration at least seven (7) days prior to the scheduled bid closing date and time of the tender. For online registration, Bidder may visit the OIL's E-tender site https://etender.srm.oilindia.in/irj/portal. Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.</p> <p>2.3 No physical Bid documents will be provided.</p>	
3.0 EXEMPTION FROM SUBMISSION OF BID SECURITY:	
<p>3.1 Central Govt. Departments and Public Sector Undertakings are exempted from submitting Bid Security.</p> <p>3.2 If the bidder is a Micro or Small Enterprises (MSE) registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME, then they are also exempted from submitting Bid Security. Bidding MSEs shall have to submit a Copy of valid Registration Certificate clearly indicating the monetary limit, if any and the items for which bidder are registered with any of the aforesaid agencies.</p> <p>In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur should also be enclosed.</p>	
<p>4.0 Details of process for submission of Bid Security (EMD) through the online payment gateway are available in Vendor User Manual under E-procurement portal. (Note: Important Points for on-line Payment can be viewed at Oil India's website at url: http://oil-india.com/pdf/ETenderNotification.pdf).</p>	
<p>5.0 The link to OIL's E-Procurement portal has been also provided through OIL's web site (www.oil-india.com).</p>	
<p>6.0 The details of IFB / Bid Documents can be viewed using "Guest Login" provided in the E-Procurement portal.</p>	
<p>7.0 To participate in OIL's e-procurement tender, bidders should have a legally valid Digital Certificate Class III [Organization] along with Encryption Certificate as per Indian IT Act from the licensed Certifying Authorities (CA) operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. Digital Signature Certificates having "Organization Name" field other than Bidder's</p>	

E-TENDER NO. CLI2038P20

Name are not acceptable. Bidders are advised to go through "[User Manuals](#)" provided in OIL's E-Tender portal for bid submission procedure.



(Ujjwal Jyoti Gogoi)
CHIEF MANAGER (MATERIALS)
For CHIEF GENERAL MANAGER (C&P)
For CHAIRMAN & MANAGING DIRECTOR

DATE: 25.07.2019

INDEX

Sl. No.	Subject	Sections	Page Nos.
(a)	Forwarding letter	Section-I	Page 1-5
(b)	Instruction to Bidders	Section-II	Page 6-13
(c)	Bid Evaluation Criteria/Bid Rejection Criteria	Section-III	Page 14-17
(d)	General Conditions of Contract	Section-IV	Page 18-36
(e)	Scope of Work and Special Terms & Conditions	Section-V	Page 37-83
(f)	Bidding Format (Price Bid)	Section-VI	Page 84-138
(g)	Integrity Pact	Section-VII	Page 139-143
(h)	Commercial Check list	Section-VIII	Page 144
(i)	General Health, Safety & Environment (HSE) Measures	Section-IX	Page 145-147
(j)	Confidentiality and Non-Disclosure Agreement	Annexure-I	Page 148-149
(k)	Undertaking for Authenticity of Information	Annexure-II	Page 150
(l)	Bid Form	Proforma-I	Page 151
(m)	Proforma for Certificate of site visit	Proforma-II	Page 152
(n)	Proforma for Certificate of annual turnover & net worth	Proforma-III	Page 153
(o)	Proforma for affidavit / undertaking in terms of Note-II under Clause 1.2 of BEC/BRC	Proforma-IV	Page 154
(p)	Statement of Non-Compliance	Proforma-V	Page 155
(q)	Proforma Letter of Authorisation for attending bid opening	Proforma-VI	Page 156
(r)	Proforma Letter of Authority	Proforma-VII	Page 157
(s)	Proforma for E-remittance details	Proforma-VIII	Page 158
(t)	Form of Bid Security (Bank Guarantee format)	Proforma-IX	Page 159
(u)	Form of Performance Bank Guarantee	Proforma-X	Page 160
(v)	Proforma for Hindrance Register	Proforma-XI	Page 161
(w)	Sample form of Agreement	Proforma-XII	Page 162
(x)	Drawings	-----	

FORWARDING LETTER

OIL INDIA LIMITED invites ON-LINE BIDS from experienced / approved Contractors / Firms for the following mentioned work / service under **SINGLE STAGE TWO BID SYSTEM** through its e-Procurement site:

DESCRIPTION OF WORK/ SERVICE:

INTERIOR DECORATION WORKS AT RECEPTION, AUDITORIUM & FACADE OF OIL HOUSE, PLOT NO. 19, SECTOR-16A, NOIDA

CONTRACT PERIOD: 6 (Six) Months

BID SECURITY: Rs. 18,79,000.00 (Rupees Eighteen Lakhs Seventy Nine Thousand only)

BID CLOSING DATE & TIME: 05.09.2019 (14:00 HRS : Server Time)

TECHNICAL BID OPENING DATE & TIME: 05.09.2019 (15:00 HRS : Server Time)

a) **Bid Security** deposited vide On-line Payment / Bank Guarantee / Bank Draft / Banker's Cheque

No. _____ dated _____ of _____

Original hard copy of (a) (In case of Bidder(s) submitting Bid Security in the form of Bank Guarantee / Bank Draft / Banker's Cheque) should reach the office of Chief General Manager (C&P), Oil India Limited, Plot No. 19, Sector-16A, Noida-201 301, Uttar Pradesh on or before bid closing date & time, otherwise Bid will be rejected. A scanned copy of Bid Security document / EMD Invoice (in case of Bid Security deposited on-line) should also be uploaded along with the Un-priced Techno-Commercial Bid documents.

b) Bidders to confirm that in the event of the award of Contract will submit Performance Security Deposit @ 10% of contract value excluding GST and this will not earn any interest.

2.0 SEALED ENVELOPES containing the **Bid Security Deposit, Printed catalogue and Literature**, if called for in the tender shall be marked with the above Tender Number and description of work and addressed to:

CHIEF GENERAL MANAGER (C&P),
OIL INDIA LIMITED,
PLOT NO. 19, SECTOR-16A, NOIDA-201 301
UTTAR PRADESH

All bidders (except those exempted) shall deposit the requisite **BID SECURITY DEPOSIT** in the form of **On-line Payment / Bank Guarantee (as per format provided and valid for minimum 150 days from the original date of opening of Technical Bid) / Bank Draft / Banker's Cheque** from any Scheduled Indian Bank in favour of M/s Oil India Limited and payable at NOIDA / DELHI. This Bid Security Deposit shall be refunded to all unsuccessful bidders, but is liable to be forfeited in full or part, at Company's discretion, as per clauses mentioned in the tender. **Bids without Bid Security Deposit (except from those exempted) in the manner specified above will be summarily rejected.**

3.0 **Bid should be submitted online up to 02:00 PM (IST) (Server Time) on the date as mentioned and Technical Bids will be opened on the same day at 03:00 PM (IST) at Office of the CGM (C&P) in presence of authorized representative of the bidder.**

4.0 The rates shall be quoted per unit as specified in the “BIDDING FORMAT” attached under “Notes and Attachments” tab of the e-tender portal.

The bid and all uploaded documents must be Digitally signed using **Digital Certificate Class III [Organization] along with Encryption Certificate** as per Indian IT Act from the licensed Certifying Authorities (CA) operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.

Digital Signature Certificates having “Organization Name” field other than Bidder’s Name are not acceptable.

The authenticity of above digital signature shall be verified through authorized CA after bid opening. If the digital signature used for signing is not of Class III [Organization] along with Encryption Certificate, the bid will be rejected.

Bidder is responsible for ensuring the validity of digital signature and its proper usage by their employee.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the bidding company.

5.0 The Company reserves the right to reject any or all the tenders or accept any tender without assigning any reason.

6.0 (a) No Bidder can withdraw his bid within the validity or extended validity of the bid. Withdrawal of any bid within validity period will lead to action against the erring / defaulting agency as per OIL’s Banning Policy dated 6th January, 2017 available in OIL’s website www.oil-india.com.

(b) Once a bid is withdrawn, the offer will be treated as withdrawn and no further claim / correspondence will be entertained in this regard.

7.0 The Bid must be valid for 120 (One Hundred Twenty) days from the original date of Technical bid opening.

8.0 Conditional bids are liable to be rejected at the discretion of the Company.

9.0 The work may be split up amongst more than one contractor at the sole discretion of the Company.

10.0 The selected bidder will be required to enter into a formal contract, which will be based on their bid and O.I.L's Standard Form of Contract.

11.0 The successful bidder shall furnish a Performance Security Deposit in the form of Bank Guarantee as specified above before signing the formal contract. The Performance Security Deposit will be refunded to the Contractor after satisfactory completion of the work, but a part or whole of which shall be used by the Company in realization of liquidated damages or claims, if any or for adjustment of compensation or loss due to the Company for any reason. This Security Money shall not earn any interest.

12.0 Time will be regarded as the essence of the Contract and the failure on the part of the Contractor to complete the work within the stipulated time shall entitle the Company to recover liquidated damages and / or penalty from the Contractor as per terms of the tender /contract.

13.0 The contractor will be required to allow OIL officials to inspect the work site and documents in respect of the workers payment.

14.0 **BACKING OUT BY BIDDER:** In case any bidder withdraws their bid within the bid validity period, Bid Security will be forfeited and the party will be put on Holiday as per the Banning Policy (available in OIL's website) of Company.

15.0 **BACKING OUT BY L-1 BIDDER AFTER ISSUE OF LOA:** In case LOA issued is not accepted by the L1 bidder or the Performance Security is not submitted as per the terms of the contract within the time specified in the Bid Document, the Bid Security shall be forfeited and the bidder shall be dealt as per the Banning Policy (available in OIL's website) of Company.

16.0 **PROVISION FOR ACTION IN CASE OF ERRING / DEFAULTING AGENCIES:**

Action against erring and defaulting agencies like bidder, contractor, supplier, vendor, service provider will be as per OIL's Banning Policy dated 6th January, 2017 available in OIL's website www.oil-india.com

17.0 **The tender will be governed by:**

Forwarding Letter: SECTION-I

Instruction to Bidders: SECTION-II

Bid Evaluation Criteria (BEC) / Bid Rejection Criteria (BRC): SECTION-III

General Conditions of Contract: SECTION-IV

Scope of Work and Special Terms & Conditions: SECTION-V

Bidding Format (Price Bid): SECTION-VI (Attached under "Notes and Attachments" tab in the main bidding engine of OIL's e-Tender portal)

Integrity Pact: SECTION-VII

Commercial Check list: SECTION-VIII

General Health, Safety & Environment (HSE) Measures: SECTION-IX

Annexures, Proformas & Drawings

SPECIAL NOTE:

Please note that all tender forms and supporting documents are to be submitted through OIL's E-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender No. and due date to The Chief General Manager (C&P), Oil India Limited, Plot No. 19, Sector-16A, Noida-201 301, Uttar Pradesh.

a) ORIGINAL BID SECURITY (Only in case of Bidder(s) submitting Bid Security in the form of Bank Guarantee/ Bank Draft / Banker's Cheque)

A scanned copy of Bid Security should also be uploaded along with the Un-priced Techno-Commercial Bid documents.

b) Power of attorney or authorization, or any other document consisting of adequate proof of the ability of the signatory to bind the bidder, in original

A notarized true copy of the "Power of Attorney" shall also be accepted in lieu of the original, if the power of attorney is a general "Power of Attorney". However, photocopy of such notarized true copy shall not be accepted.

c) ANY OTHER DOCUMENT REQUIRED TO BE SUBMITTED IN ORIGINAL AS PER TENDER REQUIREMENT.

Scanned copy(s) of the same should also be uploaded along with the Un-priced Techno-Commercial Bid documents.

The above documents including the Original Bid Security (in case of bidders submitting Bid Security in the form of Bank Guarantee / Banker's Cheque / Bank Draft) must be received at OIL's CGM (C&P)'s office at Noida on or before the bid closing date & time failing which the bid shall be rejected.

Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be

at the bidders risk and may result in the rejection of its offer without seeking any clarifications. Offers sent without the requisite value of prescribed bid security (if called for in the bid) in original will be ignored straightway.

18.0 The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidder has to submit both the “Un-Priced Techno-Commercial” and “Priced” bid through electronic form in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The Technical Bid is to be submitted as per Scope of Work & Technical Specification of the tender. The Price Bid shall be quoted as specified in the “BIDDING FORMAT” attached under “Notes and Attachments” tab in the main bidding engine of OIL’s e-Tender portal. The price quoted in the “BIDDING FORMAT” will only be considered for evaluation.

19.0 In Technical Bid opening, only Un-Priced Techno-Commercial Bid will be opened. Therefore, the bidder should ensure that Technical bid is uploaded under “Technical Attachments” of “RFx Information” Tab Page only. No price should be given along with Un-Priced Techno-Commercial Bid; otherwise the offer will be rejected. Please go through the help document provided in OIL’s e-Portal, in detail before uploading the document.

NB: All the Bids must be Digitally Signed using Digital Certificate Class III [Organization] along with Encryption Certificate as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.

20.0 In order to participate against OIL’s E-Tenders, Bidders are advised in their own interest to kindly go through the “[User Manuals](#)” available in the main login page of OIL’s E-Tender portal.

21.0 The Integrity Pact is applicable against this tender:

OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide “Section-VI- Integrity Pact” of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL’s competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder’s authorized signatory who sign the Bid.

(Note: Shri Rajiv Mathur, IPS (Retd.), Former Director, IB, Govt. of India, E-Mail ID: rajivmathur23@gmail.com, Shri Satyananda Mishra, IAS (Retd.), Former Chief Information Commissioner of India & Ex-Secretary, DOPT, Govt. of India, E-Mail ID: satyanandamishra@hotmail.com and Shri Jagmohan Garg, Ex-Vigilance Commissioner, CVC, E-Mail ID: jagmohan.garg@gmail.com have been appointed as Independent External Monitors).

22.0 Maintenance of Total bid value in the Response: For convenience of the qualified Bidders and to improve transparency, the rates/costs quoted by bidders against OIL’s e-tenders shall be available for online viewing by such Bidders whose price bids are opened by Company. A Bidder can view item-wise rates/costs of all other such peer bidders against the tender immediately after price bid opening, if the e-tender is floated by Company with PRICE CONDITION. **In case the Price-Bid is invited by Company through attachment form under “Notes & Attachment” (i.e. NO PRICE Condition), Bidders must upload their detailed Price-Bid as per the prescribed format under “Notes & Attachment”, in addition to filling up the “Total Bid Value” Tab taking into account the cost of all individual line items and other applicable charges like freight, tax, duties, levies etc. Under NO PRICE Conditions (i.e., Price Bid in attachment form), the “Total Bid Value” as calculated & quoted by the Bidder shall**

only be shared amongst the eligible bidders and Company will not assume any responsibility whatsoever towards calculation errors/omissions therein, if any. Notwithstanding to sharing the “Total Bid Value” or the same is whether filled up by the Bidder or not, Company will evaluate the cost details to ascertain the inter-se-ranking of bidders strictly as per the uploaded attachment and Bid Evaluation Criteria only. Online view of prices as above shall be available to the Bidders only upto seven days from the date of Price-Bid opening of the tender.

The screenshot shows the 'Create RFX Response' interface. At the top, there are tabs: **Submit**, **Read Only**, **Print Preview**, **Check**, **Technical RFX Response**, and **Close**. Below these, the form displays: RFX Response Number 60038748, RFX Number, RFX Owner BHARALI, and Total Value 0.00 INR. The main section has tabs for **RFX Information**, **Items**, and **Notes and Attachments**. Under **RFX Information**, there are sub-tabs: **Basic Data**, **Questions**, and **Technical Attachments**. The **Event Parameters** section includes:

- Currency:** A dropdown menu showing 'Indian Rupee'.
- Detailed Price Information:** A dropdown menu showing 'No Price'.
- Terms of Payment:** A field with a small icon.
- Total Bid Value:** A yellow input field.

 Three callout boxes provide instructions:

- One points to the **Currency** dropdown: 'Bidder to select the currency of the Response'.
- Another points to the **Detailed Price Information** dropdown: '“Total Bid Value” is mandatory in “No Price” RFX only'.
- The third points to the **Total Bid Value** input field: '“Total Bid Value” considering all the taxes & duties.'

23.0 CONSULTANT: OIL has appointed M/s. Sandeep Geeta And Associates Private Limited, New Delhi as Consultant for implementation of the project/works. Bidders are advised to adhere to relevant circulars issued by Central Vigilance Commission, India with regards to communication with Consultant, conflict of interest etc. Clarifications / queries related to the tender, if any, shall be addressed to rupakkalita@oilindia.in / ujjwal_gogoi@oilindia.in of OIL only.

(END OF SECTION-I)

INSTRUCTION TO BIDDERS

1.0 Bidder shall bear all costs associated with the preparation and submission of bid. Oil India 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.

2.0 BIDDING DOCUMENTS:

2.1 The services required, bidding procedures and contract terms are prescribed in the Bidding Documents. This Bidding Document includes the following:

- a) A forwarding letter (**SECTION-I**) highlighting the following points
 - (i) Company's IFB/ Tender No.
 - (ii) Description of Work / Service
 - (iii) Bid closing date and time
 - (iv) Bid opening date, time and place
 - (v) Bid submission place
 - (vi) The amount of Bid Security
 - (vii) The amount of Performance Guarantee
- b) Instructions to Bidders: **SECTION-II**
- c) Bid Evaluation Criteria (BEC) / Bid Rejection Criteria (BRC): **SECTION-III**
- d) General Conditions of Contract: **SECTION-IV**
- e) Scope of Work and Special Terms & Conditions: **SECTION-V**
- f) Bidding Format (Price Bid) (Attached under "**Notes and Attachments**" tab in the main bidding engine of OIL's e-Tender portal): **SECTION-VI**
- g) Integrity Pact: **SECTION-VII**
- h) Commercial check list: **SECTION-VIII**
- i) General Health, Safety & Environment (HSE) Measures: **SECTION-IX**
- j) Annexures, Proformas & Drawings

2.2 The bidder is expected to examine all instructions, forms, terms and specifications in the Bid document. Failure to furnish all information required in the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk & responsibility and may result in the rejection of its bid.

3.0 TRANSFERABILITY OF BID DOCUMENTS:

3.1 Bid Documents are non-transferable. Bid can be submitted only in the name of the bidder in whose name the Bid Document has been issued.

3.2 Unsolicited offers will not be considered and will be rejected straightway.

4.0 AMENDMENT OF BIDDING DOCUMENTS:

4.1 At any time prior to the deadline for submission of bids, the company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by issuance of an Addendum.

4.2 The Addendum will be sent in writing through post / courier / Fax / e-mail to all prospective Bidders to whom Company has sent the bid documents and also be uploaded in the OIL's e-portal in the "Technical RFx" area under the tab "External Area → Amendments". The company may, at its discretion, extend the deadline for bid submission for any reason. Bidders shall also check OIL's E-Tender portal ["Technical RFx" area under the tab "External Area → Amendments"] for any amendments to the bid documents before submission of their bids.

5.0 PREPARATION OF BIDS

5.1 LANGUAGE OF BIDS: The bid as well as all correspondence and documents relating to the bid exchanged between the Bidder and the Company shall be in English language, except that any printed literature may be in another language provided it is accompanied by an English translated version, which shall govern for the purpose of bid interpretation.

5.2 DOCUMENTS COMPRISING THE BID:**(A) UN-PRICED TECHNO-COMMERCIAL BID:**

- (i) Bid Documents duly filled up as indicated.
- (ii) Complete technical details / specifications of the equipment with catalogue, etc. as per tender requirement.
- (iii) Documentary evidence established in accordance with BEC / BRC.
- (iv) Statement of Non-Compliance (if any).
- (v) Bid Security (scanned copy). Hard copy of original Bid Security (Only in case of bidder(s) submitting bid security in the form of Bank Guarantee / Bank Draft / Banker's Cheque) should be sent separately to reach **on or before the bid closing date & time failing which the bid shall be rejected.**
- (vi) Any other document as per tender requirement (scanned copy). Hard copy(s) of the same, if called for in the tender, should be sent separately to reach **on or before the bid closing date & time failing which the bid shall be rejected.**
- (vii) Integrity Pact

Note: Please note that no price details should be uploaded along with the UN-PRICED TECHNO-COMMERCIAL BID

(B) PRICED BID:

Bidder shall quote their prices as per the following Proforma available in OIL's E-procurement portal in the "Notes & Attachments" Tab:

- (i) Price Schedule as per Section-VI
- (ii) Bid Form as per Proforma-I

The Priced Bid shall contain the rates / prices and any other commercial information pertaining to the rates / prices. Bidder shall quote their rates / prices in the "BIDDING FORMAT" attached under **"Notes and Attachments"** tab in the main bidding engine of OIL's e-Tender portal. The price quoted in the "BIDDING FORMAT" will only be considered for evaluation.

Offer should be inclusive of any Tax, Duty, etc., as applicable. The rates shall be fixed and firm for the entire tenure of the contract and shall be binding on both the parties. No changes in these rates shall be allowed under any circumstances during the tenure of this service agreement except as mentioned in the Bid Document.

6.0 BID SECURITY:

6.1 The Bid Security is required to protect the Company against the risk of Bidder's conduct, which would warrant forfeiture of the Bid Security, pursuant to sub-clause 6.9.

6.2 All the bids (except those exempted) must be accompanied by Bid Security in Original for the amount as mentioned in the "Forwarding Letter" and shall be in the OIL's prescribed format as Bank Guarantee (BG) enclosed with the NIT vide Proforma-VIII or a

Bank Draft/Bankers' cheque and payable at NOIDA / DELHI from any schedule Indian Bank.

Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-scheduled Bank of India shall not be acceptable.

The Bank Guarantee shall be valid for the time as asked for in the Bid Document. Bank Guarantees should be on non-judicial stamp paper of requisite value, as per Indian Stamp Act, purchased in the name of the Banker.

6.3 Alternatively, Bidders can submit Bid Security on-line through OIL's electronic Payment Gateway.

6.4 Any bid not secured in accordance with sub-clause 6.2 above (except those exempted from submission of Bid Security) shall be rejected by the Company as non-responsive.

6.5 The bidders shall extend the validity of the Bid Security suitably, if and when specifically advised by OIL, at the bidder's cost.

6.6 Unsuccessful Bidder's Bid Security will be discharged and/or returned within 30 days after finalization of IFB.

6.7 Successful Bidder's Bid Security will be discharged and/or returned upon Bidder's signing of the contract. Successful bidder will however ensure validity of the Bid Security till such time the formal Service Agreement in conformity with Clause 21.0 below is signed.

6.8 Bid Security shall not accrue any interest during its period of validity or extended validity.

6.9 The Bid Security may be forfeited:

- i) If the bidder withdraws the bid within its original/extended validity.
- ii) If the bidder modifies/revises their bid suo-moto.
- iii) If the bidder does not accept the order/contract.
- iv) If the bidder does not furnish Performance Security Deposit within the stipulated time as per tender/order/contract.
- v) If it is established that the bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice, the bid security shall be forfeited after due process in addition to other action against the bidder.

6.10 In case any bidder withdraws their bid during the period of bid validity, Bid Security will be forfeited and action shall be taken as per OIL's Banning Policy dated 6th January, 2017.

6.11 A scanned copy of the original Bid Security in the form of Bank Guarantee may be uploaded by bidder along with the Technical bid in the "Technical Attachment" tab of OIL's E-portal. The original Bid Security shall be submitted by bidder to the office of Chief General Manager (C&P), Oil India Limited, Plot No. 19, Sector-16A, Noida-201 301, Uttar Pradesh **on or before Bid Closing date and time.**

6.12 A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.

7.0 PERIOD OF VALIDITY OF BIDS:

7.1 The Bid must be valid for 120 (One Hundred Twenty) days from the original date of Technical bid opening. **Bids of shorter validity will be rejected as being non-responsive.** If nothing is mentioned by the bidder in their bid about the bid validity, it will be presumed that the bid is valid for 120 days from original Technical Bid Opening Date.

7.2 In exceptional circumstances, OIL may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made in writing (or by Fax / E-mail). A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request will neither be required nor permitted to modify their bid.

8.0 FORMAT AND SIGNING OF BID:

8.1 The original and all copies of the bid shall be typed or written in indelible inks and shall be signed digitally by the Bidder to bind the Bidder to the contract.

9.0 SUBMISSION OF BIDS:

9.1 Bids are to be submitted online through OIL's E-procurement portal with digital signature. The bid and all attached documents should be digitally signed by the bidder using **Digital Certificate Class III [Organization] along with Encryption Certificate** as per Indian IT Act from the licensed Certifying Authorities (CA) operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India before bid is uploaded.

Digital Signature Certificates having **"Organization Name"** field other than **Bidder's Name** are not acceptable.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the bidder to bind the Bidder to the contract. The authenticity of above digital signature shall be verified through authorized CA after bid opening and in case the digital signature is not of Class III [Organization] along with Encryption Certificate, the bid will be rejected.

Bidder is responsible for ensuring the validity of digital signature and its proper usage by their employees.

9.2 Any person signing the Bid or any other document in respect of this Bid Document or other relevant documents on behalf of the Bidder without disclosing his authority to do so shall be deemed to have the authority to bind the Bidder. If it is discovered at any time that the person so signing has no authority to do so, the Company (OIL) may, without prejudice to any other right or remedy, cancel his Bid or Contract and hold the Bidder liable to the Company (OIL) for all costs and damages arising from the cancellation of the Bid or Contract including any loss which the Company (OIL) may sustain on account thereof.

9.3 Timely submission of the bids is the responsibility of the Bidder and Bids should be submitted before the bid closing date and time. Company shall not be responsible for any delay.

9.4 Physical Bid/ E-mail/ Fax/ Telex/Telegraphic/Telephonic offers will not be accepted.

9.5 Bidder shall submit the Bid, duly completed in terms of the Bid Document.

9.6 Before submission of Bids, Bidders are requested to make themselves fully conversant with all Conditions of the Bid Document and other relevant information related to the works to be executed under this contract.

10.0 DEADLINE FOR SUBMISSION OF BIDS:

10.1 Bids should be submitted on-line up to 02.00 PM (IST) (Server Time) on the Bid Closing date mentioned in the Forwarding Letter.

10.2 No bid can be submitted after the submission deadline is reached. The system time displayed on the e-procurement web page shall decide the submission deadline.

10.3 The documents in physical form must be received by Company at the address specified in the "Forwarding Letter" **on or before the bid closing date & time**. Timely delivery of the same at the address mentioned in the Forwarding Letter is the responsibility of the Bidders.

11.0 LATE BIDS:

11.1 Bidders are advised in their own interest to ensure that their bids are uploaded in system before the closing date and time of the bid. Any Bid received by the Company after the Bid Closing Date & Time stipulated by the Company shall be rejected.

12.0 MODIFICATION AND WITHDRAWAL OF BIDS:

12.1 Bidders will be permitted by System to withdraw or make any changes in their bid after the bid has been uploaded by the bidder prior to the Bid Closing date and time as mentioned in the bid. However, it is the responsibility of the bidder to re-submit before the bid closing date and time. But no changes would be allowed by the system once the due date and time for submission of bids has been reached and bids are opened.

12.2 No bid can be modified / withdrawn subsequent to the deadline for submission of bids.

12.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity. Withdrawal of any bid within validity period will lead to forfeiture of his / her / their Bid Security Deposit in full and debarred from participation in future tenders, at the sole discretion of the company.

13.0 EXTENSION OF BID SUBMISSION DATE:

13.1 Normally no request for extension of Bid Closing Date & Time will be entertained. However, OIL at its discretion, may extend the Bid Closing Date and / or Time due to any reasons.

14.0 BID OPENING AND EVALUATION:

14.1 The Un-priced Techno-Commercial (Technical) bid will be opened on scheduled Technical Bid opening date & time in the presence of any attending Bidder(s) or their Authorized Representative, if any. However, an authorized letter (format given in Proforma Section) from the Bidder must be produced by Bidder's representative at the time of opening of Tender, without which such representative won't be allowed to attend the opening of Tenders. Only one representative against each Bid will be allowed to attend the bid opening. Attending Bidder(s) & Authorized Representative(s) will have to sign a register evidencing their presence.

In Technical bid opening date, only "Technical RFx" Tab Page will be allowed to be opened by the system. Bidders therefore should ensure that Un-priced Techno-Commercial bid is uploaded under "Technical Attachments" of "RFx Information" Tab Page only.

14.2 In case it happens to be a bundh / holiday, the tender will be opened on the next working day (except Saturday). Accordingly, Bid Closing Date / time will get extended up to the next working day and time (except Saturday).

14.3 Bids which have been withdrawn pursuant to Clause 12.1 will not be allowed to be opened by the system. OIL shall examine bids to determine whether they are complete, whether requisite Bid Securities have been furnished, whether documents have been properly signed and whether the bids are generally in order.

14.4 OIL shall prepare, for its own records, minutes of bid opening including the information disclosed to those present in accordance with the sub-clause 14.3

14.5 To assist in the examination, evaluation and comparison of bids, normally no clarifications shall be sought from the Bidders. However, for assisting in the evaluation of the bids especially on the issues where the Bidder confirms compliance in the evaluation and contradiction exists on the same issues due to lack of required supporting documents in the Bid (i.e. document is deficient or missing), or due to some statement at other place of the Bid (i.e. reconfirmation of confirmation) or vice versa, clarifications may be sought by OIL at its discretion. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

14.6 Prior to the detailed evaluation, OIL will determine the substantial responsiveness of each bid to the requirement of the Bidding Documents. For purpose of these paragraphs, a substantially responsive bid is one, which conforms to all the terms and conditions of the Bidding Document without material deviations or reservation. A material deviation or reservation is one which affects in any way substantial way the scope, quality, or performance of work, or which limits in any substantial way, in-consistent way with the bidding documents, the Company's right or the bidder's obligations under the contract, and the rectification of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantial responsive bids. OIL's determination of bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence.

14.7 A Bid determined as not substantially responsive will be rejected by the Company and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

14.8 The Company may waive minor informality or nonconformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver, does not prejudice or affect the relative ranking of any Bidder.

15.0 OPENING OF PRICED BIDS:

15.1 Company will open the Priced Bids of the techno-commercially qualified Bidders on a specific date in presence of representatives of the qualified bidders. The techno-commercially qualified Bidders will be intimated about the Priced Bid Opening Date & Time in advance. In case of any unscheduled holiday or Bandh on the Priced Bid Opening Date, the Bids will be opened on the next working day.

15.2 The Company will examine the Price quoted by Bidders to determine whether they are complete, any computational errors have been made, the documents have been properly signed, and the bids are generally in order.

15.3 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price (that is obtained by multiplying the unit price and quantity) the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between words, and figures, the amount in words will prevail. If any Bidder does not accept the correction of the errors, their Bid will be rejected.

16.0 EVALUATION AND COMPARISON OF BIDS:

16.1 OIL will evaluate and compare the bids as per Bid Evaluation Criteria (BEC) of the bidding documents.

16.2 DISCOUNTS / REBATES: Unconditional discounts / rebates, if any, given in the bid or along with the bid will be considered for evaluation.

16.3 Post bid or conditional discounts / rebates offered by any bidder shall not be considered for evaluation of bids. However, if the lowest bidder happens to be the final acceptable bidder for award of contract, and if they have offered any discounts / rebates, the contract shall be awarded after taking into account such discounts / rebates.

16.4 Conditional bids are liable to be rejected at the discretion of the Company.

17.0 CONTACTING THE COMPANY:

17.1 No Bidder shall contact OIL on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded except as required by OIL vide sub-clause 14.5.

17.2 An effort by a Bidder to influence OIL in the bid evaluation, bid comparison or Contract award decisions may result in the rejection of their bid.

18.0 AWARD CRITERIA:

18.1 OIL will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

19.0 OIL' S RIGHT TO ACCEPT OR REJECT ANY BID:

19.1 OIL reserves the right to accept or reject any or all bids 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, or bidders or any obligation to inform the affected bidder of the grounds for OIL's action.

20.0 NOTIFICATION OF AWARD:

20.1 Prior to the expiry of the period of bid validity or extended validity, OIL will notify the successful Bidder in writing by registered letter or by cable or telex or fax or e-mail (to be confirmed in writing by registered / couriered letter) that its bid has been accepted.

21.0 SIGNING OF CONTRACT:

21.1 The successful bidders(s) shall be notified by the Company of its intention to enter into an Agreement with him/her/them on the basis of his/her/their acceptance of the offer. Such notification shall be treated as a "Letter of Award (LOA)".

21.2 Within 2 Weeks from the date of issue of Letter of Award (LOA), the successful Bidder(s) will be required to pay an interest free Performance Security by way of Bank Guarantee (in specified format) favouring "OIL INDIA LIMITED" payable at "NOIDA / DELHI" from any Scheduled Indian Bank. Upon furnishing of the Performance Security, the successful Bidder(s) will be required to enter into a formal Service Agreement within 30 (thirty) days of issue of Letter of Award (LOA) based on the instant tender on the OIL Standard forms of agreement.

21.3 This Performance Security must be valid for 90 days beyond defect liability period of 1 (one) year from the contract completion date. In the event of contract being extended within the provisions of the contract agreement, the contractor will have to extend suitably the validity of the "Security Deposit" for the extended period.

21.4 The "Performance Security" will be refunded to the contractor after 90 days beyond defect liability period, but part or whole of which shall be used by the Company in realisation of liquidated damages or claims, if any or for adjustment of compensation or loss due to the Company for any reason.

21.5 Failure of the successful bidders to comply with the conditions as specified in Para 21.2 above would render him liable for rejection and in turn forfeiture of Bid Security apart from any other actions the Company may take against him at its sole discretion as per OIL's Banning Policy dated 6th January, 2017.

22.0 PROVISION FOR ACTION IN CASE OF ERRING / DEFAULTING AGENCIES:

Action against erring and defaulting agencies like bidder, contractor, supplier, vendor, service provider will be as per OIL's Banning Policy dated 6th January, 2017 available in OIL's website www.oil-india.com

23.0 SPECIFICATIONS:

Before submission of Bids, Bidders are requested to make themselves fully conversant with all Conditions of the Bid Document and other relevant information related to the works/services to be executed under the contract.

24.0 Bidders must submit duly filled undertaking as per format provided vide **Annexure-II** as undertaking towards submission of authentic information/documents along with the Un-priced Techno-Commercial Bid.

(END OF SECTION-II)

BID EVALUATION CRITERIA (BEC) / BID REJECTION CRITERIA (BRC)

The bid shall conform generally to the specifications and terms and conditions given in the Bid Documents. Bids will be rejected in case services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bid to the stipulated specifications, the following mandatory requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected. All the documents related to BEC/BRC must be submitted along with the Un-Priced Techno-Commercial Bid.

1.0 TECHNICAL CRITERIA:

1.1 Technical Requirements: The bidder should have experience of at least one SIMILAR WORK of minimum value **Rs. 5,43,00,000.00 (Rupees Five Crores Forty Three Lakhs only)** in previous 7 (seven) years to be reckoned from the original bid closing date.

Notes to Clause 1.1 above:

A. SIMILAR WORK means New or Renovation works including all services such as Civil, Electrical, Water proofing, Plumbing, Acoustic, Audio-visual, Façade works like metal cladding in multi-storeyed office and other commercial buildings having Auditorium or similar purpose space. Miscellaneous / Annual Maintenance contracts for civil and electrical works will not be considered for the purpose of consideration of SIMILAR WORK.

B. For proof of work experience of SIMILAR WORK the bidder must submit copies of contract document or work order documents showing details of work **along with** Completion Certificates or payment certificates along with the Bid.

C. If the prospective bidder is executing SIMILAR WORK which is still running and the contract value / quantity executed prior to original bid closing date is equal to or more than the minimum prescribed value in the BEC/BRC, such experience will also be taken into consideration provided that the bidder has submitted satisfactory service execution certificate issued by end user.

D. SIMILAR WORK executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC/BRC.

1.2 Financial Requirements:

1.2.1 Annual Financial Turnover of the bidder during any of preceding three financial / accounting years from the original bid closing date should be at least **Rs. 5,43,00,000.00 (Rupees Five Crores Forty Three Lakhs only)**.

1.2.2 Net worth of bidder must be positive for preceding financial/ accounting year.

Notes to Clause 1.2 above:

I. For proof of Annual Turnover & Net worth, any one of the following documents/ photocopies must be submitted along with the bid:-

(i) Audited Balance Sheet along with Profit & Loss account.

OR

(ii) A certificate issued by a practicing Chartered / Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **Proforma-III**.

II. Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the

financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking in support of the same as per **Proforma-IV**.

III. In case the bidder is a Central Govt. organization / PSU / State Govt. organization / Semi-State Govt. Organization or any other Central / State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidences for the same.

2.0 COMMERCIAL CRITERIA:

2.1 The bids are to be submitted in **single stage under 2 (two) bid system** i.e. Un-priced Techno-Commercial Bid and Price Bid together. Only the Price Bid should contain the quoted price.

2.2 The price quoted by the successful bidder must be firm during the performance of the contract and not subject to variation on any account except as mentioned in the bid document. Any bid submitted with adjustable price quotation other than the above will be treated as non-responsive and rejected.

2.3 Bid security shall be furnished (except those exempted) as a part of the Un-priced Techno-Commercial Bid. The amount of bid security should be as specified in the forwarding letter. Any bid not accompanied by a proper bid security will be rejected.

Note: In case the Bidder submits Bid security in the form of Bank Guarantee (BG); the BG must be valid for minimum 150 days from the original date of Technical bid opening.

2.4 Bid Documents / User Id & Password for OIL's E-Tender portal are not transferable. Bid made by parties who have not been allowed to participate against the tender will be rejected.

2.5 Any bid received in the form of Physical document/Fax/E-mail will not be accepted.

2.6 Bids shall be typed or written in indelible ink. The bidder or his authorized representative shall sign the bid digitally, failing which the bid will be rejected.

2.7 The bid and all attached documents should be digitally signed by the bidder using **Digital Certificate Class III [Organization] along with Encryption Certificate** as per Indian IT Act from the licensed Certifying Authorities (CA) operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India before bid is uploaded. Digital Signature Certificates having "**Organization Name**" field other than **Bidder's Name** are not acceptable.

2.8 Bids shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initiated by the persons(s) signing (digitally) the bid. However, white fluid should not be used for making corrections. Any bid not meeting this requirement shall be rejected.

2.9 Any bid containing false statement will be rejected and action will be taken by Company as per Bid Document.

2.10 Bidders must quote clearly and strictly in accordance with the price schedule outlined in Bidding Format attached under "Notes and Attachments" tab in the main bidding engine of OIL's e-Tender portal; otherwise the bid will be rejected. All other

techno-commercial documents to be submitted with Techno-Commercial Bid as per tender requirement in “**Technical Attachments**” area under “**RFx Information**” tab.

2.11 Bidder must accept and comply with the following provisions as given in the Tender Document in toto, failing which offer will be rejected:

- (i) Firm price
- (ii) EMD / Bid Bond
- (iii) Period of validity of Bid
- (iv) Price Schedule
- (v) Performance Bank Guarantee / Security deposit
- (vi) Delivery / Completion Schedule
- (vii) Scope of work
- (viii) Guarantee of material / work
- (ix) Liquidated Damages clause
- (x) Tax liabilities
- (xi) Arbitration / Resolution of Dispute Clause
- (xii) Force Majeure
- (xiii) Applicable Laws
- (xiv) Specifications
- (xv) Integrity Pact
- (xvi) Any other condition specifically mentioned in the tender documents elsewhere that non-compliance of the clause lead to rejection of the bid.

2.12 There should not be any indication of price in the Un-priced Techno-Commercial Bid. A bid will be straightway rejected if this is given in the Un-priced Techno-Commercial Bid.

2.13 The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide “**Section-VII- Integrity Pact**” of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL’s competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder’s authorized signatory who sign the Bid.

2.14 Bid received with validity of offer less than 120 (One Hundred Twenty) days from the original date of Technical Bid opening will be rejected.

3.0 GENERAL:

3.1 In case bidder takes exception to any clause of bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw / modify the deviation when / as advised by company. The loading so done by the company will be final and binding on the bidders. No deviation will however be accepted in the clauses covered under BEC/BRC.

3.2 To ascertain the substantial responsiveness of the bid the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC/BRC also and such clarifications fulfilling the BEC/BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be evaluated based on the submission. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.

3.3 If any of the clauses in the BEC/BRC contradict with other clauses of bidding document elsewhere, the clauses in the BEC/BRC shall prevail.

3.4 Bidder(s) must note that requisite information(s)/financial values etc. as required in the BEC/BRC & Tender are clearly understandable from the supporting documents submitted by the Bidder(s); otherwise Bids shall be rejected.

3.5 The originals of such documents [furnished by bidder(s)] shall have to be produced by bidder(s) to OIL as and when asked for.

4.0 Bidders are required to quote for all the items as per Bidding Format, otherwise the offer of the bidder will be straightway rejected. Offer should be inclusive of any Tax, Duty, etc., as applicable.

5.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

6.0 The quantities shown against each item in the Bidding Format shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the quantities of various items in the price bidding format are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual consumption.

7.0 Price Bids of only techno-commercially qualified bidders will be evaluated on overall lowest cost basis (L-1 offer) i.e. considering total quoted price for all items inclusive of all liabilities including statutory liabilities as per Bidding Format.

8.1 Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST.

8.2 When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/Contracts will be binding on the bidder.

9.0 Based on the evaluation of techno-commercially qualified bidders whose bids have been found to be substantially responsive, the job will be awarded to the techno-commercially qualified L-1 bidder. A substantially responsive bid is one that meets the terms and conditions of the Tender and / or the acceptance of which bid will not result in indeterminate liability on OIL.

10.0 In case of identical overall lowest offered rate by more than 1 (one) techno-commercially qualified bidder, the selection will be made by draw of lot between the parties offering the same overall lowest price.

11.0 Purchase Preferences allowed as per Government Guidelines in Vogue and PPP [Public Procurement policy] for Micro and Small Enterprises is not applicable for this tender (being works contract tender).

(END OF SECTION-III)

GENERAL CONDITIONS OF CONTRACT**1.0 DEFINITIONS:**

Following terms and expressions shall have the meaning hereby assigned to them unless the context otherwise requires:

- 1.1 'Contract' means the terms and conditions contained in the document entitled "Interior decoration works at reception, auditorium & facade of OIL house, Plot No. 19, Sector-16A, Noida" and the attached exhibits. In the event of any conflict between the text of the contract and the exhibits, the text of the Contract shall have precedence over the exhibits.
- 1.2 'Contractor' means the individual or firm or body incorporated performing the work under this contract.
- 1.3 'Company' means OIL INDIA LIMITED (OIL) and its executors, successors, administrators and assignees.
- 1.4 The 'Work' means each and every activity required for the successful performance of the services described under this contract.
- 1.5 Here 'Operating Area' means Operational Area under OIL's Corporate Office, Noida. The Location of Work shall be OIL house, Plot No. 19, Sector-16A, Noida, Uttar Pradesh.
- 1.6 'Services' means the work specified and all other obligations to be complied with by Contractor pursuant to and in accordance with the terms of this contract.
- 1.7 'Site' means the land and other places, on, under, in or through which the works are to be executed by the Contractor and any other land and places provided by the Company for working space or any other purpose as designated hereinafter as forming part of the Site.
- 1.8 'Contract Price' means the price payable to the Contractor under the contract for the full and proper performance of its contractual obligations.
- 1.9 'Commencement Date' means the date on which the Contractor starts work as per the scope of work of the Contract.
- 1.10 'Contractor's personnel' means the personnel as required to be provided by Contractor from time to time for execution of this contract.
- 1.11 'Company Representative' means the person or persons appointed and approved in writing from time to time by the Company to act on its behalf for overall co-ordination.

2.0 EFFECTIVE DATE, MOBILISATION TIME, DATE OF COMMENCEMENT OF THE WORK AND DURATION OF CONTRACT:

- 2.1 The contract shall become effective as of the date Company notifies Contractor in writing (through Letter of Award) that it has been awarded the contract. Such date of notification of award of Contract will be the Effective Date of Contract.
- 2.2 **Mobilisation Time & Date of Commencement of the Work:** Contractor must mobilise his / her/ their resources within 2 (two) weeks from the date of issue of Letter of Award. The date of completion of mobilization of resources by the Contractor or 2 (two) weeks from the date of issue of Letter of Award, whichever is earlier, will be the Date of Commencement of the Work.
- 2.3 **Duration of Contract:** Duration of this Contract will be for a period of 6 (Six) Months from the Date of Commencement of the Work.

3.0 CONTRACTOR'S PERSONNEL:

- 3.1 Contractor's Personnel - Contractor warrants that it shall provide all manpower for the necessary operations, supervision and execution of all works under this Contract to Company's satisfaction. The personnel to be deployed by the Contractor must be competent and sufficiently experienced to perform the works correctly and efficiently except where otherwise stated.
- 3.2 Except as otherwise hereinafter provided, the selection, replacement and remuneration of Contractor's personnel shall be determined by Contractor. Such employees shall be the employees solely of Contractor. Contractor shall ensure that its personnel will be competent and efficient.
- 3.3 Replacement of Contractor's Personnel- Contractor will immediately remove and replace any of the Contractor's personnel, who in the opinion of Company, is incompetent, or negligent or of unacceptable behaviour or whose employment is otherwise considered by Company to be undesirable.

4.0 GENERAL OBLIGATIONS OF CONTRACTOR:

- 4.1 It is expressly understood that Contractor is an independent entity and that neither it nor its employees and its sub-contractors, if any are employees or agents of Company. Company is authorised to designate its representative, who shall at all time have access to the related equipment and all records, for the purposes of observing, inspecting and designating the work to be performed hereunder by Contractor. The Contractor may treat Company's representative for the time being at site as being in-charge of all Company's and Company designated personnel at site. The Company's representative may, amongst other duties, observe, test, check the work performed by Contractor.
- 4.2 Compliance with Company's Instructions: - Contractor shall comply with all instructions of Company consistent with the provision of this Contract and perform the works described in the Terms of reference/Scope of Services.
- 4.3 Contractor shall perform all other obligations, work and services which are required by the terms of this contract or which reasonably can be implied from such terms as being necessary for successful and timely execution of the work.
- 4.4 Contractor shall be deemed to have satisfied itself before submitting its bid as to the correctness and sufficiency of its bid for the services required and of the rates and prices quoted, which rates and prices shall, except insofar as otherwise provided herein, cover all its obligations under the contract.
- 4.5 Contractor shall give or provide all necessary supervision during the performance of the services and as long thereafter as Company may consider necessary for the proper fulfilling of contractor's obligations under the contract.

5.0 GENERAL OBLIGATIONS OF COMPANY:

- 5.1 Company shall, in accordance with and subject to the terms and conditions of the Contract, pay Contractor for its full and proper performance of obligations as per provision of this contract.
- 5.2 Allow Contractor and its employees to access, subject to normal security and safety procedures, to all areas of Company as required for orderly performance of the work.

6.0 PAYMENT TERMS:

- 6.1 Payment will be made on monthly basis as per the terms laid out in Scope of Work and Special Terms & Conditions certified by OIL and on submission of invoice as given below:

- 6.2 No advance payment will be made against this contract.
- 6.3 Payment will be made within 30 days from the date receipt of the undisputed bills of the Contractor. Payments shall also be subject to TDS and other deductions, if any.
- 6.4 Request for payment/part payment to third party i.e. other than the party on whom the contract has been awarded will not be entertained by OIL under any circumstances. The offers stipulating payment/part payment to such third party will be considered as non-responsive and such offers will be rejected.
- 6.5 All payments due by Company to Contractor shall be made at Contractor's designated bank. All bank charges will be to Contractor's account.
- 6.6 Payment of any invoices shall not prejudice the right of company to question the validity of any charges therein, provided company within one year after the date of payment shall make and deliver to contractor written notice of objection to any item or items the validity of which Company questions.

7.0 TAXES AND DUTIES:

- 7.1 Tax levied on Contractor as per the provisions of Indian Income Tax Act and any other enactment/rules on income derived/payments received under the contract will be on Contractor's account.
- 7.2 Contractor shall be responsible for payment of personal taxes, if any, for all the personnel deployed in India by Contractor.
- 7.3 The Contractor shall furnish to the Company, if and when called upon to do so, relevant statement of accounts or any other information pertaining to work done under the contract for submitting the same to the Tax authorities, on specific request from them in accordance with provisions under the law. Other than the information provided by the Contractor, the Contractor shall not be responsible for any inaccurate information provided by the Company to the Tax authorities and the Company shall indemnify the Contractor for all claims, expenses, costs or losses of any nature arising from such inaccuracy. Contractor shall be responsible for preparing and filing the return of income etc. within the prescribed time limit to the appropriate authority.
- 7.4 Prior to start of operations under the contract, the Contractor shall furnish the Company with the necessary documents, as asked for by the Company and/ or any other information pertaining to the contract, which may be required to be submitted to the Income Tax authorities at the time of obtaining "No Objection Certificate" for releasing payments to the Contractor.
- 7.5 Corporate income tax will be deducted at source from the invoice at the specified rate of income tax as per the provisions of Indian Income Tax Act as may be in force from time to time and Company will issue TDS Certificate to the Contractor as per the provisions of Income Tax Act.
- 7.6 Corporate and personnel taxes on Contractor shall be the liability of the Contractor and the Company shall not assume any responsibility on this account.
- 7.7 All local taxes, levies and duties, sales tax, octroi, etc. on purchases and sales made by Contractor (except customs duty) shall be borne by the Contractor.
- 7.8 GST: The price excludes GST and the GST as applicable shall be to the Company account. The GST amount on the taxable part of the services provided by the Contractor shall be paid by the Company as per provisions of the GST Act. However, the liability for payment of the GST to the appropriate authority in case of Indian bidders and/or overseas bidders having registered office establishment in India will

lie on the Contractor. In case of foreign Contractor who does not have registered office establishment in India, the GST shall be paid to the tax authorities by the Company, on behalf of such contractor.

8.0 GOODS AND SERVICES TAX**8.1 GENERAL REMARKS ON TAXES & DUTIES:**

In view of **GST** Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax, Entry Tax and other indirect taxes and duties have been submerged in **GST**. Accordingly reference of Excise Duty, Service Tax, VAT, Sales Tax, Entry Tax or any other form of indirect tax except of **GST** mentioned in the bidding document shall be ignored.

8.2 Bidders are required to submit copy of the GST Registration Certificate while submitting the bids wherever **GST** (CGST & SGST/UTGST or IGST) is applicable.

8.3 “**GST**” shall mean Goods and Services Tax charged on the supply of material(s) and services. The term “**GST**” shall be construed to include the Integrated Goods and Services Tax (hereinafter referred to as “IGST”) or Central Goods and Services Tax (hereinafter referred to as “CGST”) or State Goods and Services Tax (hereinafter referred to as “SGST”) or Union Territory Goods and Services Tax (hereinafter referred to as “UTGST”) depending upon the import / interstate or intrastate supplies, as the case may be. It shall also mean GST compensation Cess, if applicable.

8.4 Quoted price/rate(s) should be inclusive of all taxes and duties, except **GST(i.e. IGST or CGST and SGST/UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service**. However, GST rate (including cess) to be provided in the respective places in the Price Bid. Please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the Supplier of Goods / Services (Service Provider) only. Supplier of Goods / Services (Service Provider) providing taxable service shall issue an Invoice/ Bill, as the case may be as per rules/ regulation of **GST**. Further, returns and details required to be filled under GST laws & rules should be timely filed by Supplier of Goods / Services (Service Provider) with requisite details.

8.5 Bidder should also mention the **Harmonised System of Nomenclature** (HSN) and **Service Accounting Codes (SAC)** at the designated place in SOR.

8.6 Where the OIL is entitled to avail the input tax credit of GST:

8.6.1 OIL will reimburse the **GST** to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST to enable OIL to claim input tax credit of **GST** paid. In case of any variation in the executed quantities, the amount on which the **GST** is applicable shall be modified in same proportion. Returns and details required to be filled under GST laws & rules should be timely filed by supplier with requisite details.

8.6.2 The input tax credit of **GST** quoted shall be considered for evaluation of bids, as per evaluation criteria of tender document.

8.7 Where the OIL is not entitled to avail/take the full input tax credit of GST:

8.7.1 OIL will reimburse **GST** to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of **GST** subject to the ceiling amount of **GST** as quoted by the bidder. In case of any variation in the executed quantities (If directed and/or certified by the In-Charge) the ceiling amount on which **GST** is applicable will be modified on pro-rata basis.

8.7.2 The bids will be evaluated based on total price including **GST**.

- 8.8 Payments to Service Provider for claiming **GST** amount will be made provided the above formalities are fulfilled. Further, OIL may seek copies of challan and certificate from Chartered Accountant for deposit of **GST** collected from OIL.
- 8.9 Contractor/vendor shall be required to issue tax invoice in accordance with GST Act and/or Rules so that input credit can be availed by OIL. In the event that the contractor / vendor fails to provide the invoice in the form and manner prescribed under the GST Act read with GST Invoicing Rules there under, OIL shall not be liable to make any payment on account of **GST** against such invoice.
- 8.10 **GST** shall be paid against receipt of tax invoice and proof of payment of **GST** to government. In case of non-receipt of tax invoice or non-payment of **GST** by the contractor/vendor, OIL shall withhold the payment of **GST**.
- 8.11 **GST** payable under reverse charge mechanism for specified services or goods under GST act or rules, if any, shall not be paid to the contractor/vendor but will be directly deposited to the government by OIL.
- 8.12 Where OIL has the obligation to discharge **GST** liability under reverse charge mechanism and OIL has paid or is /liable to pay **GST** to the Government on which interest or penalties becomes payable as per GST laws for any reason which is not attributable to OIL or ITC with respect to such payments is not available to OIL for any reason which is not attributable to OIL, then OIL shall be entitled to deduct/ setoff / recover such amounts against any amounts paid or payable by OIL to Contractor / Supplier.
- 8.13 Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the **GST** charged by the Contractor / Vendor is denied by the tax authorities to OIL for reasons attributable to Contractor / Vendor, OIL shall be entitled to recover such amount from the Contractor / Vendor by way of adjustment from the next invoice. In addition to the amount of **GST**, OIL shall also be entitled to recover interest at the rate prescribed under GST Act and penalty, in case any penalty is imposed by the tax authorities on OIL.
- 8.14 TDS under GST, if applicable, shall be deducted from contractor's/vendor's bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the contractor/vendor.
- 8.15 The Contractor will be under obligation for charging correct rate of tax as prescribed under the respective tax laws. Further the Contractor shall avail and pass on benefits of all exemptions/concessions available under tax laws. Any error of interpretation of applicability of taxes/ duties by the contractor shall be to contractor's account.
- 8.16 It is the responsibility of the bidder to quote the correct GST rate. The classification of goods/services as per GST (Goods & Service Tax) Act should be correctly done by the contractor to ensure that input tax credit on GST (Goods & Service Tax) is not lost to the OIL on account of any error on the part of the contractor.
- 8.17 In case, the quoted information related to various taxes, duties & levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/ tax, if the finally assessed amount is on the higher side and OIL will have to right to recover the difference and in case the rate of duty/ taxes finally assessed is on the lower side.
- 8.18 Notwithstanding anything mentioned elsewhere in the Bidding Document the aggregate liability of OIL towards Payment of Taxes & Duties shall be limited to the volume of GST declared by the bidder in its bid & nothing shall be payable extra except for the statutory variation in taxes & duties.

- 8.19 Further, it is the responsibility of the bidders to make all possible efforts to make their accounting/IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.
- 8.20 GST liability, if any on account of supply of free samples against any tender shall be to bidder's account.
- 8.21 In case of statutory variation in **GST**, other than due to change in turnover, payable on the contract value during contract period, the Supplier of Goods/ Services (Service Provider) shall submit a copy of the 'Government Notification' to evidence the rate as applicable on the Bid due date and on the date of revision.

Beyond the contract period, in case OIL is not entitled for input tax credit of **GST**, then any increase in the rate of **GST** beyond the contractual delivery period shall be to Service provider's account whereas any decrease in the rate **GST** shall be passed on to the OIL.

Beyond the contract period, in case OIL is entitled for input tax credit of **GST**, then statutory variation in applicable **GST** on supply and on incidental services, shall be to OIL's account.

Claim for payment of **GST**/ Statutory variation, should be raised within two [02] months from the date of issue of 'Government Notification' for payment of differential (in %) **GST**, otherwise claim in respect of above shall not be entertained for payment of arrears.

The base date for the purpose of applying statutory variation shall be the Bid Opening Date.

- 8.22 The contractor will be liable to ensure to have registered with the respective tax authorities, wherever applicable and to submit self-attested copy of such registration certificate(s) and the Contractor will be responsible for procurement of material in its own registration (GSTIN) and also to issue its own Road Permit/ E-way Bill, if applicable etc.
- 8.23 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 column for GST (CGST & SGST/UTGST or IGST) of price schedule.
- 8.24 OIL will prefer to deal with registered supplier of goods/ services under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid. Where OIL is entitled for input credit of GST, the same will be considered for evaluation of bid as per evaluation methodology of tender document.
- 8.25 Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy. However, under GST regime, IGST Plus GST compensation cess (if applicable) would be leviable on such imports. Bidders should quote GST as inclusive considering IGST component for the imported Materials portion while quoting their prices on destination basis. However, GST rate to be specified in the price bid format.

8.26 Documentation requirement for GST

The vendor will be under the obligation for invoicing correct tax rate of tax/duties as prescribed under the GST law to OIL, and pass on the benefits, if any, after availing input tax credit.

Any invoice issued shall contain the following particulars

- a) Name, address and GSTIN of the supplier;
- b) Serial number of the invoice;
- c) Date of issue;
- d) Name, address and GSTIN or UIN, if registered of the recipient;
- e) Name and address of the recipient and the address of the delivery, along with the State and its code,
- f) HSN code of goods or Accounting Code of services[SAC];
- g) Description of goods or services;
- h) Quantity in case of goods and unit or Unique Quantity Code thereof;
- i) Total value of supply of goods or services or both;
- j) Taxable value of supply of goods or services or both taking into discount or abatement if any;
- k) Rate of tax (IGST,CGST, SGST/ UTGST, cess);
- l) Amount of tax charged in respect of taxable goods or services (IGST,CGST, SGST/UTGST, cess);
- m) Place of supply along with the name of State, in case of supply in the course of interstate trade or commerce;
- n) Address of the delivery where the same is different from the place of supply and
- o) Signature or digital signature of the supplier or his authorised representative.
- p) GST invoice shall be prepared in triplicate, in case of supply of goods, in the following manner
 - i) The original copy being marked as ORIGINAL FOR RECIPIENT;
 - ii) The duplicate copy being marked as DUPLICATE FOR TRANSPORTER and
 - iii) The triplicate copy being marked as TRIPLICATE FOR SUPPLIER.

In case of any advance given against any supplies contract, the supplier of the goods shall issue Receipt Voucher containing the details of details of advance taken along with particulars as mentioned in clause no. (a), (b), (c), (d), (g), (k), (l), (m) & (o) above.

8.27 Anti-profiteering clause

As per Clause 171 of GST Act it is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices. The Supplier of Goods / Services may note the above and quote their prices accordingly.

8.27.1 In case the GST rating of vendor on the GST portal / Govt. official website is negative / black listed, then the bids may be rejected by OIL. Further, in case rating of bidder is negative / black listed after award of work for supply of goods / services, then OIL shall not be obligated or liable to pay or reimburse GST to such vendor and shall also be entitled to deduct / recover such GST along with all penalties / interest, if any, incurred by OIL.

9.0 INSURANCE:

9.1 The Contractor shall arrange insurance to cover all risks in respect of their personnel, materials and equipment(except when tools/equipment are below Rotary Table or in the well bore) belonging to the Contractor or its subcontractor (if applicable) during the currency of the contract including the third party items/consumables. For materials/equipment belong to the Contractor or its subcontractor, Contractor may self-insure the same.

9.2 Contractor shall at all time during the currency of the contract provide, pay for and maintain the following insurances amongst others except when tools/equipment are below Rotary Table or in the well bore:

- a) Workmen compensation insurance as required by the laws of the country of origin of the employee.
 - b) Employer's Liability Insurance as required by law in the country of origin of employee.
 - c) General Public Liability Insurance or Comprehensive General Liability insurance covering liabilities including contractual liability for bodily injury, including death of persons, and liabilities for damage of property. This insurance must cover all operations of Contractor required to fulfil the provisions under this contract.
 - d) Contractor's equipment used for execution of the work hereunder shall have an insurance cover with a suitable limit (as per international standards) except when tools / equipment are below Rotary Table or in the well bore or Contractor may self-insure its tools/ equipment.
 - e) Automobile Public Liability Insurance covering owned, non-owned and hired automobiles used in the performance of the work hereunder, with bodily injury limits and property damage limits as governed by Indian Insurance regulations.
 - f) Public Liability Insurance as required under Public Liability Insurance Act 1991, if applicable.
- 9.3 Any deductible set forth in any of the above insurance shall be borne by Contractor.
- 9.4 Contractor shall furnish to Company prior to commencement date, certificates of all its insurance policies covering the risks mentioned above.
- 9.5 If any of the above policies expire or are cancelled during the term of this contract and Contractor fails for any reason to renew such policies, then the Company will renew/replace same and charge the cost thereof to Contractor. Should there be a lapse in any insurance required to be carried out by the Contractor for any reason whatsoever, loss/damage claims resulting there from shall be to the sole account of Contractor.
- 9.6 Contractor shall require all of his sub-Contractor to provide such of the foregoing insurance coverage as Contractor is obliged to provide under this Contract and inform the Company about the coverage prior to the commencement of agreements with its sub-Contractors.
- 9.7 All insurance taken out by Contractor or their sub-contractor shall be endorsed to provide that the underwriters waive their rights of recourse on the Company and to the extent of the liabilities assumed by Contractor under this Contract.
- 9.8 Contractor shall obtain additional insurance or revise the limits of existing insurance as per Company's request in which case additional cost shall be to Contractor's account.

10.0 STATUTORY OBLIGATIONS OF CONTRACTOR:

- 10.1 The Contractor shall comply with all the statutory obligation of Government of India and State applicable at the Site and the Purchaser shall not be liable for any action of the statutes applicable due to non-fulfillment of statutory obligations by the contractor.
- 10.2 The Contractor shall give all notices and pay all fees required to be given or paid under any Central or State statute, ordinance or other law or any regulation or by-law of any local or other duly constituted authority in relation to the execution of the Work.
- 10.3 The Contractor shall conform and comply in all respects with the provisions of any statute, ordinance or laws as aforesaid and the rules, regulations or by-laws of any local or other duly constituted authority which may be applicable to the works or to any temporary works and with such rules and regulations of public bodies as

aforesaid and shall indemnify the Purchaser against all penalties and liabilities of every kind for breach of any such statute, ordinance, law, rule, regulation or by-law.

11.0 SUBSEQUENTLY ENACTED LAWS:

- 11.1 In the event of introduction of any new legislation or any change or amendment or enforcement of any Act or Law, rules or regulations of Government of India or State Government(s) or Public Body which becomes effective after the date of submission of Price Bid or revised price bid, if any, for this CONTRACT and which results in increased/decreased cost of the works under the CONTRACT through increased/decreased liability of taxes, (other than personnel and Corporate taxes), duties, the Parties shall agree to a revision in pricing to reflect such change subject to the production of documentary proof to the satisfaction of the COMPANY/CONTRACTOR as applicable to the extent which directly is attributable to such introduction of new legislation or change or amendment as mentioned above and adjudication by the competent authority (applicable when disputed by COMPANY) & the courts wherever levy of such taxes/duties are disputed by COMPANY/CONTRACTOR.
- 11.2 Any increase in net amount of the duties and taxes (i.e. the amount of taxes/duties payable minus eligible credit of taxes/duties paid on input services/inputs) after the contractual completion/mobilization date during the extended period will be to the contractor's account, where delay in completion/mobilization period is attributable to the CONTRACTOR. However, any decrease in net amount of the duties and taxes (i.e. the amount of taxes/duties payable minus eligible credit of taxes/duties paid on input services/inputs) after the contractual completion/mobilization date will be to COMPANY's account.
- 11.3 The Contract Price and other prices given in the Schedule of Prices are based on the applicable tariff as indicated by the CONTRACTOR in the Schedule of Prices. In case this information subsequently proves to be wrong, incorrect or misleading, COMPANY will have no liability to reimburse/pay to the CONTRACTOR the excess duties, taxes, fees, if any finally levied/imposed by the concerned authorities. However, in such an event, COMPANY will have the right to recover the difference in case the rate of duty/tax finally assessed is on the lower side.
- 11.4 Notwithstanding the provision contained in clause 11.1 to 11.2 above, the COMPANY shall not bear any liability in respect of:
- i. Personal taxes on the personnel deployed by CONTRACTOR, his sub-contractor /sub-sub-contractors and Agents etc.
 - ii. Corporate taxes and Fringe benefit tax in respect of contractor and all of their sub-contractors, agents etc.
 - iii. Other taxes & duties including Customs Duty, Excise Duty and Service Tax in addition to new taxes etc. in respect of sub-contractors, vendors, agents etc. of the CONTRACTOR.
- 11.5 In order to ascertain the net impact of the revisions/enactment of various provisions of taxes/duties, the CONTRACTOR is liable to provide following disclosure to COMPANY:
- i. Details of each of the input services used in relation to providing service to COMPANY including estimated monthly value of input service and service tax amount.
 - ii. Details of Inputs (material/consumable) used/required for providing service to Company including estimated monthly value of input and excise duty/CVD paid/payable on purchase of inputs.

12.0 LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY COMPLETION OF WORKS AND SERVICES:

- 12.1 In normal case of works /service contracts, if the delay in completion is due to default on the contractor's part the Total Contract price shall be reduced by 0.5% of

the total Contract Price per complete week of delay or part thereof subject to a maximum of 7.5% of the Total Contract Price, by way of liquidated damages for delay and not as penalty. Liquidated damages will be reckoned from the stipulated date of completion defined in the contract. Company may without prejudice to any other right or remedy available to it to recover damages for breach of contract, recover the liquidated damages as above from the Contractor. This is an agreed genuine pre-estimate of damages duly agreed by the parties.

- 12.2 The Company also reserves the right to cancel the Contract without any compensation whatsoever in case of failure by the Contractor to commence operation within the stipulated period.

13.0 WAIVERS AND AMENDMENTS:

- 13.1 It is fully understood and agreed that none of the terms and conditions of the Contract shall be deemed waived or amended by either party unless such waiver or amendment is executed in writing by the duly authorized agents or representatives of such party. The failure of either party to execute any right of termination shall not act as a waiver or amendment of any right of such party provided hereunder.
- 13.2 Any delay in exercising and any omission to exercise any right, power or remedy exercisable by the Company under this contract shall not impair such right, power or remedy nor shall any waiver by the Company of any breach by the Contractor of any provision of this contract prevent the subsequent enforcement of that provision by the Company or be deemed a waiver by the Company of any subsequent breach by the Contractor.

14.0 CONFIDENTIALITY, USE OF CONTRACT DOCUMENTS AND INFORMATION:

- 14.1 Contractor shall not, without Company's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing pattern, sample or information furnished by or on behalf of Company in connection therewith, to any person other than a person employed by Contractor in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance with prior permission from Company. However, nothing hereinabove contained shall deprive the Contractor of the right to use or disclose any information:
- (a) which is possessed by the Contractor, as evidenced by the Contractor's written records, before receipt thereof from the Company which however the Contractor shall immediately inform to Company ; or
 - (b) which is required to be disclosed by the Contractor pursuant to an order of a court of competent jurisdiction or other governmental agency having the power to order such disclosure, provided the Contractor uses its best efforts to provide timely notice to Company of such order to permit Company an opportunity to contest such order subject to prior permission from Company.
- 14.2 Contractor shall not, without Company's prior written consent, make use of any document or information except for purposes of performing the contract.
- 14.3 Any document supplied to the Contractor in relation to the contract other than the Contract itself remain the property of Company and shall be returned (in all copies) to Company on completion of Contractor's performance under the Contract if so required by Company.
- 14.4 During this Contract, Company and its employees, agents, other contractors, sub-contractors (of any tier) and their employees etc. may be exposed to certain confidential information and data of the Contractor. Such information and data shall held by the Company, its employees, agents, other contractors, sub-contractors (of

any tier) and their employees in the strictest Confidence and shall not be disclosed to any other party except on a need to know basis.

14.5 However, the above obligation shall not extend to information which:

- i) is, at the time of disclosure, known to the public which Contractor shall immediately inform Company ;
- ii) is lawfully becomes at a later date known to the public through no fault of Contractor subject to Contractor's undertaking that no information has been divulged by them to the public;
- iii) is lawfully possessed by Contractor before receipt thereof from Company which should be immediately informed to Company;
- iv) is developed by Contractor independently of the information disclosed by Company which should be shared with the Company;
- v) Contractor is required to produce before competent authorities or by court order subject to prior permission from Company

15.0 NOTICES:

15.1 Any notice given by one party to other, pursuant to the Contract shall be sent in writing or by Fax or E-mail and confirmed in writing to the applicable address specified below:

<u>Company</u>	<u>Contractor</u>
a) For contractual matters Chief General Manager (C&P) Oil India Limited Plot No. 19, Sector-16 A, NOIDA-201 301 Tel: 0120-2419112 E-mail: amlanpaul@oilindia.in	
b) For matters relating to Scope of Work Dy. General Manager (Civil) Oil India Limited Plot No. 19, Sector-16 A, NOIDA-201 301 E-mail: dulalcnath@oilindia.in	

15.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

16.0 HEADINGS:

The headings of the clauses of the Contract are for convenience only and shall not be used to interpret the provisions hereof.

17.0 ASSIGNMENT AND SUB-LETTING:

The whole of the work included in the Contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part or share thereof / interest therein without the written consent of Oil India Limited. No undertaking shall relieve the Contractor from the full and entire responsibility.

18.0 FORCE MAJEURE:

18.1 In the event of either Party being rendered unable by 'Force Majeure' to perform any obligation required to be performed by them under the contract, the relative obligation of the Party affected by such 'Force Majeure' will stand suspended as provided herein. The word 'Force Majeure' as employed herein shall mean acts of God, war, revolt, agitation, strikes, riot, fire, flood, sabotage, civil commotion, road barricade (but not due to interference of employment problem of the Party) and any other cause, whether of kind herein enumerated or otherwise which are not within the control of the Party to the contract and which renders performance of the contract by the said Party impossible.

18.2 Upon occurrence of such cause and upon its termination, the Party alleging that it has been rendered unable as aforesaid thereby, shall notify the other Party in writing within Seventy Two (72) hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim.

18.3 Should 'Force Majeure' condition as stated above occurs and should the same be notified within seventy two (72) hours after its occurrence, either Party will have the right to terminate the contract with prior written notice if such 'Force Majeure' condition continues beyond consecutive ten (10) days. Should both Parties decide not to terminate the contract even under such condition, no payment would apply during the force majeure period unless otherwise agreed to.

19.0 TERMINATION:

19.1 TERMINATION ON EXPIRY OF THE TERMS (DURATION):

This contract shall be deemed to have been automatically terminated on the expiry of duration of the contract or extension, if any, thereof.

19.2 TERMINATION ON ACCOUNT OF FORCE MAJEURE:

Either party shall have the right to terminate this Contract on account of 'Force Majeure' as set forth in Para 18.0.

19.3 TERMINATION ON ACCOUNT OF INSOLVENCY:

In the event that the Contractor at any time during the term of this Contract, becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt, then the Company shall, by a notice in writing have the right to terminate this Contract and all the Contractor's rights and privileges hereunder, shall stand terminated forthwith.

19.4 TERMINATION FOR UNSATISFACTORY PERFORMANCE:

If the Company considers that, the performance of the Contractor is, not as per the scope of the work as specified in the contract, the Company shall notify the Contractor in writing and specify in details the cause. The Company shall have the option to terminate this Contract by giving 15 days' notice in writing to the Contractor, if Contractor fails to comply with the requisitions contained in the said written notice issued by the Company.

19.5 TERMINATION DUE TO CHANGE OF OWNERSHIP & ASSIGNMENT:

In case the Contractor's rights and / or obligations under this Contract and/or the Contractor's rights, title and interest to the equipment/material, are transferred or assigned without the Company's consent, the Company may at its absolute discretion, terminate this Contract.

19.6 CONSEQUENCES OF TERMINATION:

In all cases of termination herein set forth, the relative obligations of the parties to the Contract shall be limited to the period up to the date of termination. Notwithstanding the termination of this Contract, the parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.

19.7 Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the Company on giving 30 (thirty) days written notice to the Contractor due to any other reason not covered under the above clause from 19.1 to 19.6 and in the event of such termination the Company shall not be liable to pay any cost or damage to the Contractor except for payment for services as per the Contract upto the date of termination including the De-mob cost, if any.

19.8 Upon termination of this Contract, Contractor shall return to Company all of Company's items, which are at the time in Contractor's possession.

19.9 In the event of termination of contract, Company will issue Notice of termination of the contract with date or event after which the contract will be terminated. The contract shall then stand terminated and the Contractor shall demobilize their personnel & materials.

20.0 APPLICABLE LAW:

20.1 The Contract shall be deemed to be a Contract made under, governed by and construed in accordance with the laws of India for the time being in force and shall be subject to the exclusive jurisdiction of Courts situated in New Delhi.

20.2 The Contractor shall ensure full compliance of various Indian Laws and Statutory Regulations, to the extent applicable, as stated below, but not limited to, in force from time to time and obtain necessary permits/licenses etc. from appropriate authorities for conducting operations under the Contract:

- a) The Mines Act - as applicable to safety and employment conditions.
- b) The Minimum Wages Act, 1948.
- c) The Oil Mines Regulations, 1984.
- d) The Workmen's Compensation Act, 1923.
- e) The Payment of Wages Act, 1963.
- f) The Payment of Bonus Act, 1965.
- g) The Contract Labour (Regulation & Abolition) Act, 1970 and the rules framed there under.
- h) The Employees Pension Scheme, 1995.
- i) The Interstate Migrant Workmen Act., 1979 (Regulation of employment and conditions of service).
- j) The Employees Provident Fund and Miscellaneous Provisions Act, 1952.
- k) Goods & Services Tax (GST) Law and the Acts and rules framed thereunder.
- l) Customs & Excise Act & Rules
- m) Environment Protection Act
- n) Public Liability Act
- o) Any other law and regulations applicable to carry out the complete job/assignment as per the Contract.

21.0 LIABILITY:

21.1 Except as otherwise expressly provided, neither Company nor its servants, agents, nominees, Contractors, or subcontractors shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss of or damage to the property of the Contractor and or his Contractors or subcontractors, irrespective of how such loss or damage is caused and even if caused by the negligence of Company and/or its servants, agents, nominees, assignees, Contractors and subcontractors. The Contractor shall protect, defend, indemnify and hold harmless Company from and against such loss or damage and any suit, claim or expense resulting there from.

21.2 Neither Company nor its servants, agents, nominees, assignees, Contractors, subcontractors shall have any liability or responsibility whatsoever for injury to, illness, or death of any employee of the Contractor and / or of its Contractors or subcontractors irrespective of how such injury, illness or death is caused and even if caused by the negligence of Company and/or its servants, agents, nominees, assignees, contractors and sub-contractors. Contractor shall protect, defend, indemnify and hold harmless Company from and against such liabilities and any suit, claim or expense resulting there from.

21.3 The Contractor hereby agrees to waive its right to recourse and further agrees to cause his underwriters to waive their right of subrogation against Company and/or its underwriters, servants, agents, nominees, assignees, contractors and subcontractors for loss or damage to the equipment of the Contractor and/or its

subcontractors when such loss or damage or liabilities arises out of or in connection with the performance of the Contract.

- 21.4 The Contractor hereby further agrees to waive its right of recourse and agrees to cause its underwriters to waive their right of subrogation against Company and/or its underwriters, servants, agents, nominees, assignees, contractors and subcontractors for injury to, illness or death of any employee of the contractor and of its contractors, subcontractors and / or their employees when such injury, illness or death arises out of or in connection with the performance of the Contract.
- 21.5 Except as otherwise expressly provided, neither Contractor nor its servants, agents, nominees, contractors or subcontractors shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss or damage to the property of the Company and/or his contractors or subcontractors, irrespective of how such loss or damage is caused and even if caused by the negligence of Contractor and / or its servants, agents, nominees, assignees, contractors and subcontractors. The Company shall protect, defend, indemnify and hold harmless Contractor from and against such loss of damage and any suit, claim or expense resulting therefrom.
- 21.6 Neither Contractor nor its servants, agents, nominees, assignees, contractors, subcontractors shall have any liability or responsibility whatsoever to whomsoever or injury to, illness, or death of any employee of the Company and/or of its contractors or subcontractors irrespective of how such injury, illness or death is caused and even if caused by the negligence of contractor and/or its servants, agents, nominees, assignees, contractors and subcontractors Company shall protect, defend indemnify and hold harmless contractor from and against such liabilities and any suit, claim or expense resulting therefrom.
- 21.7 The Company agrees to waive its right of recourse and further agrees to cause its underwriters to waive their right of subrogation against contractor and / or its underwriters, servants, agents, nominees, assignees, contractors and subcontractors for loss or damage to the equipment of Company and/or its contractors or subcontractors when such loss or damage or liabilities arises out of or in connection with the performance of the Contract.
- 21.8 The Company hereby further agrees to waive its right of recourse and agrees to cause its underwriters to waive their right of subrogation against contractor and / or its underwriters, servant, agents, nominees, assignees, contractors and subcontractors for injury to, illness or death of any employee of the Company and of its contractors, subcontractors and/or their employees when such injury, illness or death arises out of or in connection with the performance of the contract.
- 21.9 **LIMITATION OF LIABILITY:**
Notwithstanding any other provisions except only in cases of willful misconduct and / or criminal acts,
(a) Neither the Contractor nor the Company (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs.
(b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the Contractor in respect of this contract, whether under Contract, in tort or otherwise, shall not exceed 100% of the Contract price, provided however that this limitation shall not apply to the cost of repairing or replacing defective equipment by the Contractor, or to any obligation of the Contractor to indemnify the Company with respect to Intellectual Property Rights.

Company shall indemnify and keep indemnified Contractor harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.

22.0 CONSEQUENTIAL DAMAGE:

22.1 Neither party shall be liable to the other for special, indirect or consequential damages resulting from or arising out of the contract, including but without limitation, to loss of profit or business interruptions, howsoever caused and regardless of whether such loss or damage was caused by the negligence (either sole or concurrent) of either party, its employees, agents or sub-contractors.

23.0 WITH-HOLDING:

23.1 Company may with-hold or nullify the whole or any part of the amount due to Contractor on account of subsequently discovered evidence in order to protect Company from loss on account of:

- a) For non-completion of jobs assigned as per Section-V.
- b) Contractor's indebtedness arising out of execution of this contract.
- c) Defective work not remedied by Contractor.
- d) Claims by sub-contractor of Contractor or others filed or on the basis of reasonable evidence indicating probable filing of such claims against Contractor.
- e) Failure of Contractor to pay or provide for the payment of salaries / wages, contributions, unemployment, compensation, taxes or enforced savings with-held from wages etc.
- f) Failure of Contractor to pay the cost of removal of unnecessary debris, materials, tools, or machinery.
- g) Damage to another Contractor of Company.
- h) All claims against Contractor for damages and injuries, and / or for non-payment of bills etc.
- i) Any failure by Contractor to fully reimburse Company under any of the indemnification provisions of this contract. If, during the progress of the work Contractor shall allow any indebtedness to accrue for which Company, under any circumstances in the opinion of Company may be primarily or contingently liable or ultimately responsible and Contractor shall, within five days after demand is made by Company, fail to pay and discharge such indebtedness, then Company may during the period for which such indebtedness shall remain unpaid, withhold from the amounts due to Contractor, a sum equal to the amount of such unpaid indebtedness.
- j) With-holding will also be effected on account of the following:
 - i. Garnishee order issued by a Court of Law in India.
 - ii. Income-tax deductible at source according to law prevalent from time to time in the country.
 - iii. Any obligation of Contractor which by any law prevalent from time to time to be discharged by Company in the event of Contractor's failure to adhere to such laws.
 - iv. Any payment due from Contractor in respect of unauthorised imports.

23.2 When all the above grounds for with-holding payments shall be removed, payment shall thereafter be made for amounts so with-held.

23.3 Notwithstanding the foregoing, the right of Company to withhold shall be limited to damages, claims and failure on the part of Contractor which is directly / indirectly due to some negligent act or omission on the part of Contractor relating to the Contractor's obligation on the Contract.

24.0 INDEMNITY AGREEMENT:

24.1 Except as provided hereof Contractor agrees to protect, defend, indemnify and hold the Company and its co-leases harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit, which may arise in favour of Contractor's employees, agents, contractors and sub-contractors or their employees on account of bodily injury or death of personnel, or damage to property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults.

24.2 Except as provided hereof the Company agrees to protect, defend, indemnify and hold Contractor harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit, which may arise in favour of Company's employees, agents, contractors and sub-contractors or their employees on account of bodily injury or death of personnel, or damage to property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults.

25.0 INDEMNITY APPLICATION: The indemnities given herein above, whether given by Company or Contractor shall be without regard to fault or to the negligence of either party even though said loss, damage, liability, claim, demand, expense, cost or cause of action may be caused, occasioned by or contributed to by the negligence, either sole or concurrent of either party.

26.0 MISCELLANEOUS PROVISIONS:

26.1 Contractor shall give notices and pay all fees at their own cost required to be given or paid by any National or State Statute, Ordinance, or other Law or any regulation, or bye-law of any local or other duly constituted authority as may be in force from time to time in India, in relation to the performance of the services and by the rules & regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the services.

26.2 Contractor shall conform in all respects with the provisions of any Statute, Ordinance or Law as aforesaid and the regulations or bye-law of any local or other duly constituted authority which may be applicable to the services and with such rules and regulations of public bodies and Companies as aforesaid and shall keep Company indemnified against all penalties and liability of every kind for breach of any such Statute, Ordinance or Law, regulation or bye-law.

26.3 During the tenure of the Contract, Contractor shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works no longer required. On the completion of the services, Contractor shall clear away and remove from the site any surplus materials, rubbish or temporary works of every kind and leave the whole of the site clean and in workmanlike condition to the satisfaction of the Company.

26.4 Key personnel cannot be changed during the tenure of the Contract except due to sickness/death/resignation of the personnel in which case the replaced person should have equal experience and qualification, which will be again subject to approval, by the Company.

27.0 EMPLOYMENT OF OFFICIAL/PERSONNEL OF THE COMPANY:

27.1 Contractors are advised not to employ serving Company employees without its prior permission. It is also advised not to employ ex-personnel of the Company within the initial two years period after their retirement/resignation/severance from service without specific permission of the Company. Company may decide not to deal with such firm(s) / Contractors who fail to comply with the advice.

28.0 SET OFF:

Any sum of money due and payable to the Contractor (including security Deposit refundable to them) under this or any other contract may be appropriated by the Company and set off against any claim of the Company (or such other person or persons contracting through the Company) for payment of a sum of money arising out of this contract or under any other contract made by the Contractor / with the Company (or such other person or persons contracting through the Company).

29.0 SETTLEMENT OF DISPUTES AND ARBITRATION:**29.1 ARBITRATION (APPLICABLE FOR SUPPLIERS/CONTRACTORS OTHER THAN PSU):**

Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, in connection with construction, meaning, operation, effect, interpretation of the contract or breach thereof which parties are unable to settle mutually, the same shall be referred to Arbitration as provided hereunder:

a) A party wishing to commence arbitration proceeding shall invoke Arbitration Clause by giving 30 days notice to the other party. The notice invoking arbitration shall specify all the points of dispute with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter. If the claim is in foreign currency, the claimant shall indicate its value in Indian Rupee for the purpose of constitution of the arbitral tribunal.

b) The number of arbitrators and the appointing authority will be as under:

Claim amount (excluding claim for interest and counter claim, if any)	Number of Arbitrator	Appointing Authority
Upto Rs. 5 Crore	Sole Arbitrator	OIL
Above Rs. 5 Crore	3 Arbitrators	One Arbitrator by each party and the 3 rd Arbitrator, who shall be the presiding Arbitrator, by the two Arbitrators.

c) The parties agree that they shall appoint only those persons as arbitrators who accept the conditions of the arbitration clause. No person shall be appointed as Arbitrator or Presiding Arbitrator who does not accept the conditions of the arbitration clause.

d) Parties agree that there will be no objection if the Arbitrator appointed holds equity shares of OIL and/or is a retired officer of OIL/any PSU. However, neither party shall appoint its serving employees as arbitrator.

e) If any of the Arbitrators so appointed dies, resigns, becomes incapacitated or withdraws for any reason from the proceedings, it shall be lawful for the concerned party/arbitrators to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left if both parties consent for the same; otherwise, he shall proceed de novo.

f) Parties agree that neither shall be entitled for any pre-reference or pendente-lite interest on its claims. Parties agree that any claim for such interest made by any party shall be void.

g) The arbitral tribunal shall make and publish the award within time stipulated as under:

Amount of Claims and counter claims(excluding interest)	Period for making and publishing of the award(counted from the date of first meeting of the Arbitrators)
Upto Rs. 5 Crore	Within 8 months
Above Rs. 5 Crore	Within 12 months

The above time limit can be extended by Arbitrator, for reasons to be recorded in writing, with the consent of the other parties.

h) If after commencement of the arbitration proceedings, the parties agree to settle the dispute mutually or refer the dispute to conciliation, the arbitrators shall put the proceedings in abeyance until such period as requested by the parties.

i) Each party shall be responsible to make arrangements for the travel and stay etc. of the arbitrator pointed by it. Claimant shall also be responsible for making arrangements for travel/stay arrangements of the Presiding Arbitrator and the expenses incurred shall be shared equally by the parties.

In case of sole arbitrator, OIL shall make all necessary arrangements for his travel, stay and the expenses incurred shall be shared equally by the parties.

j) The Arbitration shall be held at Noida / Delhi. However, parties to the contract can agree for a different place for the convenience of all concerned.

k) The Arbitrator(s) shall give reasoned and speaking award and it shall be final and binding on the parties.

l) Subject to aforesaid, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof shall apply to the arbitration proceedings under this clause.

29.2 ARBITRATION (APPLICABLE IN CASE OF CONTRACT AWARDED ON PUBLIC SECTOR ENTERPRISE):

In the event of any dispute or difference relating to, arising from or connected with the Contract, such dispute or difference shall be referred by either party to the arbitration of one of the Arbitrators in the Department of Public Enterprises, to be nominated by the Secretary to the Government of India, In-Charge of the Bureau of Public Enterprises. The Arbitration and Conciliation Act 1996 shall not be applicable to the Arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Deptt. of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference, the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary, whose decision shall bind the parties finally and conclusively. The parties in the dispute will share equally the cost of the arbitration as intimated by the Arbitrator.

The venue of all arbitrations under both 27.1 & 27.2 will be Noida / Delhi. The award made in pursuance thereof shall be binding on the parties.

30.0 CHANGES:

30.1 During the performance of the work, Company may make minor change to take care of any supplementary work within the general scope of this Contract including, but not limited to, changes in methodology, and minor additions to or deletions from the work to be performed. Contractor shall perform the work as changed. Changes of this nature will be affected by written order by the Company.

30.2 If any change result in an increase in compensation due to Contractor or in a credit due to Company, Contractor shall submit to Company an estimate of the amount of such compensation or credit in a form prescribed by Company. Such estimates shall be based on the contract rates. Upon review of Contractor's estimate, Contractor shall establish and set forth in the Change Order the amount of the compensation or credit for the change or a basis for determining a reasonable compensation or credit for the change. If Contractor disagrees with compensation or credit set forth in the Change Order, Contractor shall nevertheless perform the work as changed, and the parties will resolve the dispute in accordance with Clause 27.0 hereinabove. Contractor's performance of the work as changed will not prejudice Contractor's request for additional compensation for work performed under the Change Order.

31.0 ROYALTY AND PATENTS:

Each party shall hold harmless and indemnify the other from and against all claim and proceedings for or on account of any patent rights, design, trade mark or other protected rights arising from any use of materials, equipment, processes, inventions and methods which have not been imposed on the attending party by the terms of the contract or the specifications or drawings forming part thereof.

32.0 PROVISION FOR ACTION IN CASE OF ERRING / DEFAULTING AGENCIES:

Action against erring and defaulting agencies like bidder, contractor, supplier, vendor, service provider will be as per OIL's Banning Policy dated 6th January, 2017 available in OIL's website www.oil-india.com

33.0 PERFORMANCE SECURITY:

The Contractor has furnished Performance Security for an amount of Rs. _____ (Rupees _____) [*Not to be filled up by the Bidder while submitting the Bid. This will be filled up by OIL subsequent to award of contract to the successful bidder*] vide Bank Guarantee No. _____ issued by _____ and validity up to _____. The Performance Security shall be valid up to 90 days beyond defect liability period of 1 (one) year from the contract completion date. The performance security shall be payable to Company as compensation for any loss resulting from Contractor's failure to fulfil their obligations under the Contract. In the event of extension of the Contract period, the Contractor shall suitably extend the validity of the Performance Security. The "Performance Security" will be refunded to the contractor after 90 days beyond defect liability period, but part or whole of which shall be used by the Company in realisation of liquidated damages or claims, if any or for adjustment of compensation or loss due to the Company for any reason.

(END OF SECTION-IV)

SCOPE OF WORK AND SPECIAL TERMS & CONDITIONS

1. The bidder should visit the site in order to ascertain the extent of work, difficulties at site, storage space available, and other site conditions prior to participation in the tender.
2. The work will be carried out under guidance of Consultant, M/s.Sandip Geeta and Associate Pvt Ltd. Works will planned in consultation with the Architect so that minimum disturbance is caused to the office. Works plans shall be devised keeping this is mind and got approved by the Administrative-in-Charge.
3. Contractor shall submit to the EIC a bar chart/schedule programme within 7 days of receipt of Work Order for the progress and completion of the work within the schedule time period. This progress shall be binding on the Contractor. Deviations in the program if any will be made only with prior approval of the EIC. The Contractor will have to work on 24/7 basis.
4. The Contractor will keep one site supervision for above work in compliance with rules applicable to the local area and regulations of statutory/local authorities. The work should be carried out as per the tender specifications including all other terms and conditions of the contract.
5. The contractor shall be wholly and solely responsible for the successful completion of the project in all respect consistent with safety and structural stability from the inception up to the handing over the site for use.
6. **Safety Measure:** Safety measures as per OIL regulations shall be adhered to by the Contractor as per the site condition. Safety belts and other measure taken by the Contractors shall be borne by the Contractor. If any loss or damage caused to life during the erection and execution, the contractor shall be fully responsible for the loss.
7. The Company reserves the right to get the part or whole work completed through other agency at the risk and cost of the contractor if he fails to complete the work within the stipulated time without any valid reasons. The Company's decision shall be final and binding on the Contractor.
8. Welding and cutting sets with fuel & operator, welder, fitter etc. shall be arranged by the Contractor at his cost at site for fabrication and erection work.
9. The contractor has to keep a register of the persons employed by him/her. The contractor's supervisor shall take and maintain attendance of his men every day for the work, punctually.
10. The materials, design and workmanship shall satisfy the relevant Indian Standards, the job specifications contained herein & codes referred to. Where the job specifications stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied. In the absence of any Standard/Specifications/Codes of practice for detailed specifications covering any part of the work covered in this tender, the instructions/directions of Company will be binding on the Contractor.
11. The Contractor shall employ work persons with valid wireman license issued by Licensing Board to carry out all electrical jobs and shall employ one supervisor holding valid supervisor's competency certificate recognized by Govt. for supervision of electrical jobs.

- 12.** Quality of jobs carried out by the Contractor shall be very high standard and should be as per the norms of BIS or other electrical standards recognized by the company.
- 13. Power & Water:** Electricity & water shall be provided by the Company for use in civil works. Electricity will be for use in drilling machine or any other portable tools required for wiring purposes etc. However party will have to arrange for required switch board with proper safety device like RCBO, MCCB / MCBs to take power from the existing source.

14. SCHEDULE OF QUANTITIES/RATE

- 14.1 The quantities shown against the various items are only approximate and may vary to any extent individually subject to relevant clause of General Conditions of Contract. Any increase or decrease in the quantities shall not form the basis for alteration of rates quoted and accepted including where low/high rates have been quoted by the successful bidder.
- 14.2 The Engineer in charge reserves the rights to interpolate or extrapolate the rate for any new item of work not finding a place in the Bill of Quantity, for similar items of lower and or higher magnitude available in the Bill of Quantity.
- 14.3 In case any activity though specifically not covered in Bill of Quantity description but the same of covered under scope of work/spec./drawing etc. no extra claim on this account shall be entertained.

15. MEASUREMENTS, BILLING & TERMS OF PAYMENT

- a. The contractor shall submit his bills along with joint measurements in respect of completed jobs only with items recorded serially in the standard measurement sheet. The contractor shall inform the EIC or his representative / Consultant well in advance for recording the joint measurement.
- b. However, the mode of measurements will be as in technical / standard specification / IS codes/ standard engineer practice for measurements of work shall be followed.
- c. On account payment shall be made, not oftener than monthly and not less than Rs 1.00 Crore per bill.
- d. The final bill shall be submitted by the Contractor within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Company whichever is earlier. No further claims shall be made by the Contractor after submission of the final bill and these shall be deemed to have been waived and extinguished.
- e. For all extra work done on the advice of the Company's Engineer and which is not included in the schedule of rates, deviation order for the same shall be made on the rates as decided by the Company's Engineer.
- 16.** Problems arising out of site conditions, etc. should be immediately reported to the EIC for suitable precautionary / rectification measures.

1. PREAMBLE TO SPECIFICATIONS

The conditions of contract and the drawings shall be read in conjunction with the specifications and matters referred to, shown or described in one are not necessarily repeated in the other. These specifications are comprehensive but may exceed the requirements of this project. Any ambiguity between the General Specifications, the Bill of quantities and contract drawings, shall be referred for clarification not later than the date specified in the ITB. Any ambiguity may be referred to the EIC after signing of the

contract and EIC shall give a ruling which shall prevail. No claim for additional cost due to above, however, will be entertained.

Notwithstanding the sub-division of the specification into various headings, every part of it is to be deemed supplementary to every other part and is to be read with it, so far as it may be practicable so to do, or when the context so admits.

Unless otherwise mentioned, all work shall be done strictly according to the items described in the schedule of quantities & rates and as per latest applicable CPWD specifications or latest BIS Codes. In the event of any item not finding a place in C.P.W.D. specification or in BIS codes, the matter will be referred to the Architect for decision. The decision of Architect shall be final regarding the specifications to be adopted.

All Standards, codes, Technical Specifications, Codes of Practice referred to shall be of the latest editions including all applicable official amendments and revisions whether such reference has been made or not. The contractor shall make available at site all relevant Indian Standards, Specification and Codes of Practice for reference of Owner at no cost to the Owner.

Approved Manufacturers: Names of approved manufacturers are given in the specifications.

The Contractor shall include in his prices for supplying the item or materials from the approved manufacturers listed or equal and approved.

All items or materials shall be delivered to the site in the manufacturers original unopened packaging with the manufacturers original labels.

All items or materials shall be assembled, mixed, fixed, applied or otherwise incorporated in the works in accordance with the printed instructions of the manufacturer of the item or materials.

The contractor carrying out these works shall be responsible for providing all labour, plants, tools, scaffoldings, materials and any and everything necessary for proper execution and completion of work in all respect as per scope of work, specifications, codes, standards and statutory requirements.

The contractor shall take timely action to submit the samples of materials and items to be provided by the Contractor for obtaining approval of the Engineer in charge before placing order or receipt of the materials at site. Also, even if products are specified in the Specifications and/or list of approved makes, trade name or catalogue reference, the Contractor will be required to obtain the approval of the Architect before using all materials.

Samples together with their packing are to be provided free of cost by the contractor. The contractor shall submit the samples of materials in required quantity and sizes as desired by EIC before placing orders for purchase of materials. All approved samples shall be retained by the EIC for comparison with materials, which would be delivered to the site. All the materials delivered to the site shall be strictly in accordance with the approved samples; otherwise such materials shall be rejected and shall immediately be removed from the site at the cost of contractor. The contractor shall submit specimen finishes of colours, fabrics etc. for the approval of the EIC, before proceeding with the work.

Basic rate wherever indicated shall be taken as MRP excluding taxes and transportation. Financial adjustments shall be made as per variance with the rate mentioned in the tender document. The difference in basic rate after approval of the samples shall be on account of the OIL INDIA LIMITED i.e. if the rate of approved sample is more than the rate mentioned in the tender document then the difference worked out on

pro-rata basis shall be paid to the contractor, but if the rate is lower than the mentioned rate then the difference shall be recovered from the contractor's bill. Contractor shall be bound to submit printed MRP list of the materials procured along with the purchase vouchers.

The Contractor is required to produce the vouchers towards purchase of materials from concerned vendors / agencies whenever called for, by the Architect. Contractor shall furnish manufacturer's certificates, for the materials supplied by him when asked for.

Testing of materials / works shall be carried out as per latest CPWD specification / BIS codes from approved test laboratory. The contractor shall carry out all such tests at his own cost & time. The nos. of samples to be submitted for testing and the frequency of testing shall be as specified in the specifications / standards or codes.

All the works shall be carried out in accordance with drawings, specifications, description of item in schedule of quantities or as per the direction of EIC to his full satisfaction. If the substitution of any approved / specified material and make, due to its non – availability, with an alternative one, becomes necessary, the agency must get specific approval of the same before placing order for purchase of materials.

Providing and operating necessary measuring and testing devices and materials are included in the Contractor's scope of work. The quoted price shall be inclusive of the cost of all such tests, which are required to ensure achievement of specified quality. No separate payment for testing shall be made.

All finished work must be truly vertical & horizontal or in any other plane as specified. The rates quoted by the agency must include the cost for taking necessary measures to achieve it.

Any scaffolding used shall be of double vertical supports and no portion of scaffolding shall touch the wall surface.

The workmanship is to be the best available and of a high standard. Use must be made of special trades men in all aspects of the work and allowance must be made in the rates for so doing. Contractor shall maintain uniform quality and consistency in workmanship throughout.

Any work not conforming to specifications or workmanship shall be rejected and the same shall be rectified or removed and replaced with work of the required standard of workmanship at no extra cost.

Rates quoted for the items shall be valid for carrying out the item of work at any and all floor heights.

2. INTRODUCTION & BRIEF SCOPE OF WORK

I. Interior decoration works at reception, auditorium & facade of OIL House, at Plot no. 19, Sector 16A, Noida-201301, U.P.

1.1 General

1.1.1 The project involves Interior decoration works at Guard room, Main gate, Reception, Auditorium & Facade of OIL House, Noida. The building is five storey office building. Work also includes external development works such as landscaping / hardscaping works and Main Entrance Gate.

1.1.2 Work involves dismantling existing facilities as detailed in BOQ, Façade treatment, Interior, Furnishing, Electrical & allied works, HVAC, Facade

cladding, entrance canopy, temporary structure using tensile fabric, Plumbing Works, Audio Video Equipments as detailed in drawings & bill of quantities.

1.1.3 The dismantled material shall be the property of the contractor. He should remove these items and take them away for disposal at his own cost. The bidder shall be free to transfer them from the site and dispose them off in any manner. The bidder should visit the building to get a complete idea about the items to be dismantled for resale value, dismantling and other costs involved. The bidder shall be liable to offer a discount on the overall tender cost for these items. Bid received without the discount shall be outrightly rejected.

1.1.4 Brief scope of work included in this document is as follows:

i) **EXTERNAL FAÇADE:**

ACP cladding, Zinc Cladding & Frameless Glass on the external façade including sealant, glass, glazing accessories, fittings & fixtures etc. External surface texture coating.

ii) **INTERIOR WORK:**

The Scope of work under this head includes flooring work comprising of PCC, natural stone & Stepped flooring. Tile work comprising of tiles of large size, Carpet. Wall finishing comprising of cement plaster, stone dado work, tile work comprising of large size tiles. Walls to have plaster of Paris punning, plastic emulsion paint & textured coating as per location & Specification.

Providing false ceiling. Framework for the ceiling shall be Aluminium hollow section sections, interlocking metal grids (prefab), GI hollow section / stainless steel frames. Aluminium ceilings, Finishing materials vary from plaster of Paris, Gypsum board, MDF board, Flexi Ply, Glass, wooden battens or artificial stone for translucent ceilings.

Partitions and Panelling:

For framework light weight Aluminium hollow sections are to be used. Skins are in BWR Ply. Acoustical Panelling of Auditorium. Toughened Glass are proposed in the reception..

Acoustical fire doors, frameless glass doors, Flush door. Core for all flush doors is factory made non decorative doors. Doors shall be finished in woven carpet/ laminate / decorative veneer ply to match the décor of the relevant space / area.

iii) **SOFAS & CHAIRS:**

Sofas & chairs shall be brought to site in a finished state. These shall be factory made and procured from authorized vendors only.

v) **PLUMBING WORK:**

Supply & Installation of sanitary ware, UPVC, /CPVC pipes fittings, other toilet accessories etc. complete as required starting from existing tap off points.

vi) **ELECTRICAL, DATA NETWORKING & ALLIED WORKS**

Supply, installation, testing & commissioning of all wiring for lights and power outlets, distribution boards, wiring for PA, Fire Detection & Alarm, CCTV & telephone systems. lighting fixtures, fans, ex-fans & systems, conduits / Raceways and junction boxes for computer network, Lightning Protection System, earthing system, Panels and cabling,

vii) HVAC

The scope of work comprises of modification, replacement and augmentation to existing HVAC System, & supply, installation, testing and commissioning of the followings :-

Supply, installation, testing and commissioning of Air handling units, Non – ductable split units, Air distribution system. (grilles, diffusers, fire damper etc.), Insulation and acoustic lining, required electrical work for HVAC system. Also

viii) AUDIO VIDEO EQUIPMENTS

Supply & installation following equipments including necessary cabling, conduiting etc. Microphone, Wireless microphone, Lectern / Podium Microphone, Audio mixing console, Digital Sound Processor, sound /power Amplifier, Video wall, PTZ camera etc. Scope of work includes, detailed engineering, submission of drawings for approval, supply, install, test the system for overall integration, pre-commissioning, commissioning and imparting training to the personnel for operation and maintenance. Equipments planned to be installed are detailed out in BOQ.

After successful installation & configuration of each & every subsystem, integrating various systems and providing various services, tests will be conducted for system performance as a whole. Final acceptance shall be offered for inspection after 5 days of continuous trouble free operation. For critical components pre shipment inspection & certification details must be submitted.

Training shall be conducted at the end of all installation. Training will be of the following types :

- Theoretical : 1 day training for 5 persons.
- Hands on training : The method of training shall be interactive. Hands on training shall be provided for a batch of 5 persons for 2 days. Users shall be made familiar with all types of equipment. Brainstorming sessions shall be conducted to introduce users to the technology being fielded & pros & cons of the policies formulated along with trouble shooting sessions.

II. DRAWINGS

Drawings catalogues, photographs as appended with the bid document for the purpose of tendering shall form the part of the contract. These drawings are intended to give a fair & clear idea of the scope of work involved. Further working drawings may be issued by the Engineer-in-charge to the contractor from time to time during the currency of the contract to clarify details and various Engineer-in-chargeural and constructional features and this will not vitiate the contract. Also the bidder may be required to prepare shop drawings before execution of that particular work, for approval of the Engineer-in-charge.

2.1 SAND

Sand shall be from river or from any other source approved by Consultant s /Consultant & shall be dry, clean, sharp, coarse & free from salt earth & such other impurities. It shall be washed with clean water. The soluble contents shall not exceed 0.5% by weight if tested by settlement in water. For concrete work, the sand shall be coarser than for masonry work. Sand shall be used after screening as directed by the OIL India Ltd / Consultant.

2.2 CEMENT

Cement, unless otherwise specified shall be of grade 43, confirming to IS: 455/ IS : 269

2.3 FINE AGGREGATE

Shall be from natural source, chemically inert, clean, sharp, hard, durable & well graded & free from deleterious materials not exceeding the permissible limit as per IS : 383 - 1970. The silt content shall be within 8%. If it is in excess, washing shall be done in an approved manner to bring it within allowable limit.

2.4 COARSE AGGREGATE

Shall consist of crushed broken stone 95% of which shall be retained on 4.75mm IS test Sieve. It shall be obtained from crushing Granite, Trap, Basalt or similar approved stone.

2.5 SCAFFOLDING (FOR EXTERIOR WORKS)

Scaffolding shall consist of the Sal wood bullies / steel pipe & necessary batons & planks. All members before installation shall be checked for their strength & stiffness & tied up properly. Steel scaffolding may be used as directed by the GAIL India Ltd / Consultant. When necessary during the construction scaffolding & planks may be supported on in the wall & these shall be fixed & tied together. Incase of finishing works such as plastering, painting & polishing, no part of the scaffolding should touch the structure. Timber members shall be replaced from time to time with new timber member as necessary & or as directed.

2.6 STEEL REINFORCEMENT**2.6.1 High Strength Deformed Bars:**

Unless specified otherwise, high strength deformed bars shall confirm to IS: 1786 - 1985 of grade Fe 415 obtained from approved manufacturer.

2.6.2 Where mild steel bars are specified they shall confirm to IS - 432 Grade I and shall be obtained from approved manufacturer.

2.7 BRICKS

The bricks shall be locally available kiln burnt bricks of generally regular and uniform size, shape and color, uniformly well burnt throughout but not over burnt. They shall be free from cracks or other flaws.

They shall show a fine grained, uniform homogeneous and dense texture on fracture and be free from lumps of lime, laminations, cracks, air holes , soluble salts causing efflorescence or their defects which may in any way impair their strength, durability, appearance usefulness for the purpose intended.

The size of brick shall be nominally 250mm x 125mm x 75mm or 230mm x 115mm x 6mm with a tolerance on dimension of $\pm 8\%$.

After immersion in water, absorption by weight shall not exceed 20% of the dry weight of the brick when tested according to I.S. 1077 - 1970. The bricks shall have a minimum average compressive strength as specified in the nomenclature of the items. The compressive strength of any individual bricks on testing shall not fail below the average compressive strength by more than 20% (Twenty percent). The rating of efflorescence of bricks shall not be more than Moderate.

2.8 LARGE SIZE SINTERED STONE TILES

Inspection of the site: Inspect the site carefully for bleeding surfaces in base plaster /concrete /concrete board, cracks, hollowness, installed work of the other sub-trades, any other defect noticed as per architectural drawings etc. Report any defects noted during inspection to attain rough surface, attain proper hardness of surface & for better bonding.

Substrates preparation and application of slurry bond coat : The area under consideration is properly cleared from debris and loose materials removed from site. Must remove all dust, residuals (Manually or mechanically) & then panel are cleaned further by

water cleaning machine to ensure totally cleaned surface before any application. Water is applied on surface to wet the surface sufficiently enough to make sure it remains wet (without stagnant water) before application of Polymerised Adhesive confirming to C2TE S1 Standard.

Fixing of the Sintered Stone with adhesive : After allowing base plaster to dry , fix the stone with H40 NO LIMIT /MAPEI MAXI S1 / ARDEFLEX adhesive as soon as possible in order to avoid any possibilities of damage on base surface.

Adhesive is applied in thickness of 3 mm to 4 mm USING notch trowel as per site condition, mixed as per manufacturer recommendation.

The adhesive is mixed with the stirrer machine # 400 rpm to achieve a homogeneous consistency. The adhesive shall be applied with notched trowel. The joint between the granite stone is fixed with the spacers of 3mm to maintain uniform gaps. The NEOLITH stone pattern is carried out as per the approved shop drawing.

Sintered stone must be properly butter backed using Adhesive with Notch trowel upto 2mm thickness and then pressed smoothly using rubber mallet.

After fixing stone & allowing it to settle for 24hrs take care that it is covered & no traffic is allowed on applied/completed areas before application of grout.

Grouting:

After min. 24 hours of fixing, grout can be done mixed as per manufacturer recommendation. Mixing with an electric stirrer machine to achieve a homogeneous consistency.

The grout is applied in the 3mm wide joints with a rubber trowel and finally cleaned with a sponge. Grout shall be protected & remain free from dust . It has to be covered after 24hrs with polythene sheet to avoid any damages. Grout should dry for 4 days.

2.9 KOTA STONE

The stone shall be as per schedule of finishes. Stone shall be hard, sound & homogenous with crystalline texture & shall be matching in colour to the existing stone, free from stains, cracks, decay & weathering. The quality of the stone shall be as specified & approved by the OIL India Ltd / Consultant. The contractor shall get the samples approved from the Consultant. The approved samples shall be kept in custody of the Consultant. The stone supplied & used on the work, shall confirm to the approved sample approved with regards to soundness, colour veining & other texture. The overall character and colour of the proposed stone should match the existing stone.

2.10 GRANITE STONE

The stone shall be as per schedule of finishes. Granite Stone In Large slabs and of water cut quality shall only be accepted. Stone shall be hard, sound & homogenous with crystalline texture free from stains, cracks, decay & weathering. The quality of the stone shall be as specified & approved by the OIL India Ltd / Consultant. The contractor shall get the samples approved from the OIL India Ltd / Consultant. The approved samples shall be kept in custody of the OIL India Ltd. The stone supplied & used on the work, shall confirm to the approved sample approved with regards to soundness, colour veining & other texture. Moisture absorption test should be done as per standards.

2.11 WATER

Water shall be clean & reasonably free from injurious quantities of materials such as oils, acids, alkalies, salt & vegetable growth. Generally portable water should be used.

2.12 NAILS

Nails & staples shall be of hard drawn galvanized wire.

2.13 BOLTS, NUTS etc.

Bolts nuts hold fast etc. shall be of mild steel painted with bitumen based paint as specified before fixing. Threads of bolts nuts & washers shall be truly fitting & shall be painted with zinc chromate / red oxide before fittings the nuts.

2.14 SCREWS

Screws shall be of make as approved & specified.

SPECIFICATIONS OF WORKMANSHIP FOR CIVIL WORKS**3.1 MORTARS**

3.1.1 Tile Fixing Adhesive: Blended polymer modified cement based powder tile adhesive will be used for fixing tiles wherever recommended. The surface to be tiled shall be thoroughly cleaned. It shall be rendered free from wax, grease, polish etc. Mix the powder in recommended proportions with clean water (3:1) or as recommended by the manufacturer. Addition of water/liquid solution to be adjusted to attain desired consistency. Mix with trowel/slow speed drill(50-100rpm) until a lump free homogeneous paste is obtained.

3.1.2 Cement mortar: Cement mortar shall be of proportions specified for each type of work in the schedule. It shall be composed of cement and sand. The ingredients shall be accurately gauged by measure and shall be well and evenly mixed together, care being taken not to add more water than is required. No mortar that has begun to set shall be used.

If hand mixing is done in lieu of mechanical mixture, then it shall be done on pucca water - proof platform. The gauged materials shall be put on the platform and mixed dry. Water will then be added and the whole mixed again until it is homogeneous and of uniform colour. The contractor shall use 10% extra cement for hand mixing for which no extra payment will be made.

3.2 HALF BRICK WORK & 230 MM THICK BRICK WORK.

The mortar mix for half thick brick work and 230mm brick work shall be as specified in the Schedule of quantities. Half brick thick work shall be provided with reinforcement.

3.3 GRANITE STONE FLOORING

The slab shall be machine cut to the required shape & size, fine chisel dressed on all side to the full depth. The surfaces shall be pre-polished & all edges and angles shall be true, square & free from chipping.

Sub grade concrete or the RCC slab on which stone is to be laid shall be cleaned, wetted & mopped. Cement mortar 1:4(1 cement: 4 coarse sand) shall be spread under the area of each slab to 20mm minimum depth. Washed clean slab shall be laid on top, pressed tapped with wooden mallets & brought to level with adjoining slabs. It shall be lifted & laid aside. The top surface of the mortar shall then be corrected by adding fresh mortar at hollows or depressions. The mortar is allowed to harden a bit and on this grey cement slurry of honey like consistency shall be spread over the mortar @ 4.4 Kg per sqm.. Hairline groves of 0.5 mm thickness will be accepted. The edges of the slab already paved shall be buttered Laticrete Grout (Unsanded) of 600 Series of shade matching to the shade of stone. The slab shall then be placed back in position & tapped till it is properly bedded in level with adjoining slab with as fine a joint as possible. Subsequent slabs are laid in similar manner. After each slab is laid, surplus cement on the surface shall be cleaned off. The slab fixed in floor adjoining the walls shall enter not less than 12mm under the plaster, skirting or dado. The junction between the wall & floor shall be finished neatly& without waviness. The finished floor shall not sound hollow when tapped with a mallet. If so the stone shall be refitted or replaced, properly jointed & finished.

3.4 GRANITE STONE IN DADO

The surface shall be hacked & roughened with wire brushes. The surface shall be hacked & roughened with wire brushes. The surface shall be cleaned thoroughly, washed with water & kept wet before the work is commenced. The slab shall be placed that the back surface is at a distance of 12mm from the wall subject to a minimum of 10mm at any place. If necessary the dado face shall be checked for vertically & corrected. The joints shall thus be left to harden & then the gap between the rear of slab & the wall shall be filled & packed with cement mortar 1:3 (1 cement : 3 coarse sand) or other mix specified in the item. The joints in between the slabs shall be as fine as possible. The edges of the slab already paved shall be buttered Laticrete Grout (Unsanded) of 600 Series of shade matching to the shade of stone.

3.5 GRANITE STONE IN SKIRTING

In case of masonry wall, the joints shall be raked out to a depth of at least 15mm while laying masonry. In case of concrete work, the surface shall be hacked & roughened with wire brushes. The surface shall be hacked & roughened with wire brushes. The surface shall be cleaned thoroughly, washed with water & kept wet before the work is commenced. Where necessary, the wall surface shall be cut uniformly to the requisite depth so that the skirting face shall be flush with the finished face of the wall as shown in the drawing. The risers, steps or dado shall be set in grey cement. The joints in between the slabs shall be as fine as possible. Hairline grooves of 0.5 mm thickness will be accepted. The edges of the slab already paved shall be buttered Laticrete Grout (Unsanded) of 600 Series of shade matching to the shade of stone. The top line of skirting & risers shall be truly horizontal & joints truly vertical.

3.6 GRINDING & POLISHING OF THE FLOORS**3.6.1 New floor :**

The newly laid floor shall be cured for a minimum period of seven days. Slight unevenness at the meeting edges of slabs shall be removed by fine chiseling before grinding work is started. Grinding & polishing shall be done by machines & the process shall start after seven days after completion of laying. First grinding shall be done with carborundum stones using enough water. Thereafter four grinding should be done as per approved carborundum stone nos. with repairing of stone if required. Final grinding shall be done with tin-oxide until floor shines to mirror finish. When use of machine for polishing by machines is not feasible or possible, rubbing & polishing shall be done by hand grinder or by hand in the same manner as specified.

3.6.2 Existing Floor:

First grinding shall be done with carborundum stones using enough water. Thereafter four grinding should be done as per approved carborundum stone nos. with repairing of stone if required. Final grinding shall be done with tin-oxide until floor shines to mirror finish. When use of machine for polishing by machines is not feasible or possible, rubbing & polishing shall be done by hand grinder or by hand in the same manner as specified.

3.7 TILE FLOORING:

Tiles in rooms shall be laid in water level. Tiles in corridors, balconies and toilets shall be laid in slope. Sub- grade concrete or the RCC slab on which the tiles are to be laid shall be cleaned, wetted and mopped. The bedding for the tile shall be either with cement mortar 1:3(1 cement: 3 coarse sand) or approved cement based ready to use mortar on the existing floor. Wherever tiles are laid on the existing floor, the existing floor will be properly hacked. Where tiles are laid in slope, the average thickness of the bedding for cement mortar shall be 10mm while the minimum thickness shall not be less than 5mm.

Mortar shall be spread tamped and corrected to proper levels and allowed to harden sufficiently to offer a fairly rigid cushion for the tiles to be set and to enable the mason to place wooden plank across and squat on it.

Over this mortar bedding neat Grey cement slurry of honey like consistency shall be speared at the rate 3.3 kg of cement per square metre over such an area as would accommodate about twenty tiles. Tiles shall be fixed in this grout one after another, each tiles gently being tapped with a wooden mallet till. Spacers shall be used while laying of tiles as specified, elsewhere the joints shall be kept as thin as possible and in straight lines or to suit the required pattern. The finished floor shall not sound hollow when tapped with a mallet. If so the tiles shall be refitted or replaced, properly jointed & finished.

The surface of the flooring during laying shall be frequently checked with a straight edge about 2m long .so as to obtain a true surface with the required slope.

Where full size tiles cannot be fixed these shall be cut with diamond cutting machines only to the required size and their edge rubbed smooth to ensure straight and true joints. Tiles which are fixed in the floor adjoining the wall shall enter not less than 10mm under plaster, skirting or dado. After tiles have been laid surplus cement grout shall be cleaned off. For fixing tiles with adhesive, spread the adhesive to a thickness of approx. 3mm and comb with a notched trowel. Start placing the tiles with a slight twist. tap the tiles properly to ensure complete coverage at the backside of tiles and to eliminate the possibility of any voids.

3.8 POINTING AND FINISHING OF TILES WITH EPOXY GROUT:

The joints shall be cleaned off with wire brush or trowel to a depth equivalent to the thickness of the tile or as per suggested spacers and all dust and loose mortar removed. Joints shall then be flush pointed with epoxy grout of approved colour as per manufacturers' specifications. The floor shall then be kept clean till the grout is set.

3.9 CERAMIC TILES IN DADO

Tiles shall be laid either on 12 mm thick plaster of cement mortar 1:3 (1 cement 3 coarse sand) or mix as specified shall be applied and allow to harden . The Plaster shall be roughened with wire brushes or by scratching diagonally at close intervals. The plaster thickness shall be reduced as directed only for a levelling course, when ready to use approved cement based mortar is used. The tiles should be soaked in water , washed clean ,and a coat of cement slurry or ready to ready to use cement based mortar as the case may be applied liberally at the back of tiles and set in the bill of quantities shall be used in lieu of cement slurry as per manufacturers specification. The tiles shall be tapped and corrected to proper plane and lines. The tiles shall be set in the required pattern and butt jointed. The joints shall be as fine as fine as possible top of skirting of dado shall be truly horizontal and joints truly vertical except where otherwise indicated. Where full size tiles cannot be fixed these shall be cut only with diamond cutting blade to the required size and their edges rubbed smooth.

The joints shall be cleaned off the Grey cement grout with wire brush or trowel to a depth of 2 mm to 3 mm and all dust and loose mortar removed. Joints shall then be flush pointed with white cement added with pigments if required to match the color of tiles .The surface shall then be kept wet for 7 days. After curing the surface shall be washed and finished clean .The finished work shall not sound hollow when tapped with a wooden mallet.

3.10 Interlocking Pavers Blocks

Sub Grade shall be natural earth material found at the site. It should be assessed. If the sub grade has greater clay content then a thicker sub base shall be required.

Sub base shall be a layer of gravel over the sub grade i.e. earth layer. Normally the sub base consists of two layers. 8" thick layer of 2" compacted aggregate base. 6" thick layer of ¾" compacted aggregate base.

A 50mm (2") thick Sand Bedding layer of clean sharp sand containing not more than 3% silt or clay. The said should be spread over the area to be paved. Lean PCC (1:4:8 or 1:5:10).

Pavers shall be laid out as per the Layout and vibrated to ensure proper fit. Sweep the sand between the joints of the pavers.

3.11 Carpet

Carpet shall be High Definition Print shade series having a density of 70 million fibres of nylon 6.6 per M², Fire Test EN-13501, Appearance Retention Hexapod ISO 140-8, Friction Slip Resistance Test EN 14041 Class DS, sanitized anti-microbial treatment with resilient waterproof backing, anti-allergic certified by British Allergy Foundation, anti-static, thickness 4.3 mm and approximate weight of 1.8 k.g./sqm of roll form.

Total Thickness as per ISO 1765 : 4.3 mm Roll width : 2.0 M Roll length : 30 M Dimensional stability as per ISO 2551 : <0.2% Slip Resistance as per DIN 51097 : >0.7 Dry and Wet Total weight as per ISO 8543 : 1.8 kg/M² Light fastness as per EN ISO 105 B02 : 6 Commercial heavy as per EN 685 : Class 33 Reaction to fire as per EN 13501-1 : Bfl-s1.

SPECIFICATIONS OF MATERIALS FOR INTERIOR WORKS

4.1 TIMBER

Timber shall be seasoned & of the best quality available or as specified in the bill of quantities / annexure & of the best description perfectly dry well seasoned uniform in colour free from sap wood & warps sound straight, free from knots, cracks, shakes and other defects & any appearance of rot. It shall not be placed in position covered in the wall or round unless the OIL India Ltd / Consultant has approved it. Timber shall be considered as well seasoned if its moisture content does not exceed the following limits:

Timber for frames - 14%
Timber for planking shutters etc. - 12%

4.2 BWR PLYWOOD

BWR (Boiling Water Resistant) plywood should conform to the relevant BIS- Code and shall be resistant to attack of termite, fungi, white ants, wood borer etc. The bonding should be of superior grade Phenol Formaldehyde Synthetic Resin adhesive.

Type of face veneer and grade of plywood boards shall be, as specified. Unless otherwise stated, only BWR grade plywood boards shall be used.

Unless otherwise specified, the plywood boards shall be delivered in a clean condition and shall be suitably packed according to normal trade.

The Thickness Tolerance Moisture content, testing etc. shall be as per relevant BIS codal provision / CPWD procedure / Standard Engineering Practice. Generally in general the frequency of testing shall be - one sample for every 100 sqm or part thereof.

Minimum Number of Plies in Plywood Boards shall be as per the table given below:

Thickness (in mm)	Minimum No. of Ply (Excluding Outer most layers)
3	3
6	5
9	7
12	9
19/25	11

Visual Inspection:

Each plywood shall be legibly and indelibly marked or stamped with the following :

- i) Indication of the source of manufacture
- ii) Year of manufacture
- iii) Batch No. and type of grade.

4.3 PHENEOL FORMALDEHYDE BLOCK BOARD

The block board should have density of 0.70 - 0.80 gms / cc, Mechanical strength and high nail holding capacity. There should be no twisting under wood working, warp less surface, free from core gaps, swelling in cold water be much less than 1%. All veneer and wooden battens should have been treated with chemical which ensures that every layer is protected from borer attack. Permissible defects and tolerances on thickness shall conform to relevant BIS code for commercial and decorative veneer, respectively.

4.4 AMERICAN OAK WOOD :

American oak wood for all joinery work shall be fully seasoned quality American oak wood free from any defects and shall be of the approved quality, free from soft heart, worm and bee holes and shall weight not less than 730 kg per cubic meter. For exposed portion no knots will be permitted. In unexposed parts individual hard & sound knots shall not be more than 25mm in diameter and the aggregate area of all the knots shall not exceed one percent, of the area, of the piece.

4.5 HARD WOOD:

Where hard wood is specified it shall mean first class Mirandi wood(locally best available). Timber shall be of good quality and well seasoned. It shall be free from dead knots, cracks, shale and sap wood. No individual hard and sound knot shall exceed 25mm in diameter or shall the width the member and the aggregate area of all the knots shall not exceed 1% of the area of the piece. Such knot may be permitted which in the opinion of the OIL INDIA LTD/ Consultant does not effect the structural strength of the member. The sap wood shall not be permitted to be used. Average unit weight be not less than 881kg per cubic meter.

4.6 CANADIAN WOOD:

No individual hard and sound knot shall exceed 25 mm in diameter and the aggregate area of the all knots shall not exceed 1% of the area of the piece. Such knot will be permitted which in the opinion of the OIL INDIA LTD./ Consultant does not effect the structural strength of the member. Wood shall be generally free from sapwood, but traces of sapwood shall be allowed. The average unit weight shall not be less than 465 kg per cubic meter.

4.7 DECORATIVE VENEER PLY

4.7.1 The decorative veneer should have attractive appearance due to figure, colour, grain, luster etc. The decorative veneer surface shall be selected for figure, texture, color and grain characteristics. It shall be free from all manufacturing and wood defects except those as specified. The veneer shall be finished as specified and shall be of equal or superior quality to that laid down in IS:1328:1996. Wherever Decorative wood veneer ply is specified, the same shall be of group match only and grains/flowers shall be strictly placed either horizontally or vertically or diagonally and matched as per instructions of the OIL INDIA LTD./ Consultant .

4.7.2 Decorative veneers shall be rotary cut or sliced from a wooden flinch made by lamination of veneers. Sliced veneers shall be spliced & skilfully oriented to form desired grain patterns & textures like group matching or book matching patterns shall be laminated on plywood sheets under high heat pressure. Plywood used for the manufacture of veneered decorative plywood shall be bonded with synthetic resin adhesive of BWR grade conforming to IS:848:1974.

4.7.3 The decorative veneered surface shall be free from torn grain, dead knots, discoloration and sapwood. Where group match veneers are specified it shall refer to a certain number of decorative matched plywood panels, matching in figure, colour and grain as required to form a group to give an over all general effect, the quantity of each group unless mentioned in the schedule shall be restricted to at least one enclosed cabin space, as the case may be. The decorative veneered surfaces with figures shall not be allowed unless specified with schedule.

4.7.4 The following tolerances shall be permitted on the thickness:-
Positive = 10 percent of nominal thickness

4.7.5 Samples collected randomly shall be subjected to the test specified as under:-

- 1) Moisture Content:- to be tested for Moisture Content in accordance with BIS:1734(Part -I):1983. Decorative veneered plywood when tested in the manner specified shall not show delamination or blister formation.
- 2) Visual Inspection :-
 - i) Ply shall be visually inspected to ensure that decorative veneered surface conform to the requirements specified in the tender document. They shall also be inspected for de-laminations, blisters or surface defects.
 - ii) Marking :-

Decorative veneered plywood shall be clearly marked in suitable position with the following information: -

 - a) Manufacturer's name or trade-mark
 - b) Grade, and
 - a) BWR
 - b) Type
 - c) IS or BIS certification markings

4.7.6 DELIVERY-

The decorative plywood shall be brought to site in a clean and dry condition and shall be suitably packed according to approved trade practice, unless otherwise specified.

4.8 LAMINATE

Laminate shall be of the brand, catalogue surface finish, colour as specified and approved by the OIL INDIA LTD./ Consultant . All laminates shall be in finish as per design intent unless mentioned other wise. Laminates shall conform to BIS2046:1969, BIS2046:1995 or latest.

The decorative laminate should be Abrasion, Wear, Chemical, Solvent, Stain, Scratch, Impact, Heat, Moistures and Boiling Water resistant and further it should have dimensional stability. 1.0mm & 0.8mm thick laminates shall be of HGS Grade & VGS Grade respectively

4.9 PRE- LAMINATED BOARD WITH POST FORMED EDGES/POST FORMED LAMINATE

Post formed laminated panels shall have laminate wrapped in a simple radius around the edges in a curved form. Post formed panels shall have an edge profile in L-Profile/Doubling /R- Profile(180 degrees post-forming) / Bull Nosed as per instructions of OIL INDIA LTD./ Consultant Post-formed laminated surface shall be absolutely even and shall show no deformities as per BIS2046. 12mm, 19mm & 25mm thick exterior grade Particle boards shall be used as per specifications. 0.8mm thick post forming laminated sheets shall be used. Post-formed laminated surface shall be absolutely even and shall show no deformities as per relevant BIS code 2046

4.10 ALUMINIUM WINDOWS & DOORS

Aluminium windows & doors shall be made from extruded Aluminium sections & shall be of specified make.

4.11 FLUSH DOOR

All Flush doors shall be of BWR (Boiling water resistant Grade). Flush doors shall be made of solid, high density block boards. Flush doors shall be pretreated for borer & termite.

Flush-Door shall be as per BIS-2202 (Boiling Water resistant, BWR):-

Lumber and veneer shall be Treated with preservatives Glue line shall be fortified with non-leach able or ganophosporus compound. Finished panels shall be treated with preservatives. The Flush door shall be tested for various parameters as per the relevant BIS code.

4.12 CLEAR FLOAT GLASS

Unless otherwise specified the glazing shall be patent flattened sheet of float glass of the best quality, of specified make & shall be free from flaws, specks, waves or bubbles.

4.13 TAMPERED GLASS

Tampered glass shall meet the requirement of ASTM C 1036 -90, ASTM C 1048 -90, ANSI - Z97.1, 1984 & confirm to guide lines set forth by the glass Tempering Association & provision of the consumer product safety commission 16 CFR -1201 for the safety glazing. The condition is achieved by first heating the precut glass & then cooling (quenching) the outer surface rapidly to obtain a surface compression of 10000 PSI & edge compression not less than 9700 PSI

4.14 MIRROR

Mirror shall be fabricated from clear float glass. Mirror shall be guaranteed against loss of reflection, image trueness (silver deterioration) for a period of 3 years. All edges of mirror shall be polished & bevelled with corners mitered wherever indicated on drawings.

4.15 Screws

Screws shall be of make as approved & specified.

4.16 PAINTS

Filler, primer, enamels, Acrylic Paints & varnishes & external finishing application to cement plaster shall be of an approved make as specified in schedule. These shall be of approved brand in sealed drums or the manufacturer's original packing.

4.17 POLYURETHANE PAINT (MATTE FINISH)

Polyurethane matte finish shall confirm to following Technical data.

Colour: Clear

Volume Solid: 57 + / - 3%

Typical Thickness: 50 - 70 microns (2-3mils) dry

Theoretical Coverage: 10-12 sqm. At 15 microns d.f.t. and stated volume solid

Method of Application: Airless spray, conventional spray

Mix Ratio: 4.0 parts : 1.0 part by volume

4.18 SISAL WEAVED CARPET

Composite & Construction : 100% Sisal, Boucle Weave

Pile Height : 1/4"

Weight : Minimum of 48 oz/sq yd

Type : Reversible weave without backing

Quality Assurance: Class A Flame Spread Rating; ASTM-E84; Passes Corner Burn Test; UBC 8-2 & NFPA 265

Acoustical : NRC Value: .10 avg ASTM C: 423-90a

Static Control : 100% static free

Environmental : LEED Credits available rating sys; (USGBC); Rapidly renewable
bio-based material; Low-emitting materials

Approved Adhesive : Fevicol SR 505, Non-Hazardous to health

SPECIFICATIONS OF WORKMANSHIP FOR INTERIOR WORKS

GENERAL

All works shall be true to level, plumb and square and the corners, edges etc. in all cases shall be unbroken and neat.

Any work not conforming to specifications or workmanship shall be rejected and the same shall be rectified or removed and replaced with work of the required standard of workmanship at no extra cost.

Rates quoted for the items shall be valid for carrying out the item of work at any and all floor heights. Lift is not available at site. Non availability of lift shall not be criteria for any extra payment/ delay in execution of work.

5.0 CARPENTRY :-

5.1.1 Definition / Scope of Carpentry Work: The definition of carpentry work shall be deemed to include all Loose furniture i.e. Shop Fabricated items and Site Carpentry works.

5.1.2 Shop Fabricated items : Shall comprise of -All loose furniture and pre fab elements for site installations to form whole . A sample of every item of furniture, including its parts shall be submitted for approval before bulk order is placed or manufacturing commences. Approved samples shall be used as standards of finish and workmanship.

5.1.3 Shop Drawings : The Contractor shall submit for approval shop drawings /form works/actual size drawings for all items before commencing the manufacturing of items Shop drawing shall relate to site measurements and show in detail the construction of the various parts of the work, the method of jointing, the thickness and type of material, the finishes to be applied to the various exposed surface, details of anchoring, joints, welds, fastening and all other relevant information as shall be applicable.

5.1.4 Site Carpentry works : Shall comprise of fixing clips, blocking, grounds, fittings, sub-frames, partitions, panelling, cupboards, rough frames and wood framing members. This shall also include the supply and fixing of all hardware and fixture as shown in the drawings or specified in the "Schedule of Quantities" in this tender.

5.1.5 Site installations : The contractor shall adhere to the following instructions.

i) The carpentry, timber shall be fixed with nails, spikes, bolts, screws, hangers, stirrups, anchors, ties or any other accessories which are suitable to develop the full strength of the member which they support or to which they are supported or to which they are attached, as directed.

ii) Carpentry timber where fixed to solid masonry or concrete shall be secured with expansion fasteners. Fixing by means of wooden plugs will not be permitted.

5.1.6 Delivery & Storage of Shop Fabricated Items : Shop fabricated items shall not be delivered to the site of the works until that site is ready for such installation and the building is fully dry, and shall be cordoned, or otherwise protected whilst in transit. Installed work shall be adequately protected against soiling or damage. Damaged or soiled items shall be made good or replaced at the contractor's own expense and to the satisfaction of the Employer.

5.2 FURNITURE :- All loose furniture will be shop fabricated unless specifically instructed

5.2.1 General Requirements :- This section of the specification shall be read in conjunction with the Drawings and other contract documents, and other sections of specifications which shall be deemed to be complimentary to one and another, in particular the technical specifications , carpentry & joinery, painting section. The Contractor carrying out this work shall be responsible for providing all labour, plant, tools, materials and every thing necessary for the proper execution, completion and maintenance of these works.

5.2.2 Rates :-The basic rate of fabric is given in schedule of quantities for respective items. The difference in basic rate after approval of samples shall be adjusted accordingly with the employer. Unless otherwise provided in the description of various items of the work. The rates tendered by the contractor shall be for complete items of work covering all materials, labour, carriage, and royalties. Fees, rents, octopi, wastage tools plant, equipment's transport, temporary constructions over head charges profits as well as general liabilities, obligations, and risks arising out of the conditions of contract and carrying the work in parts or complete and shall apply to all heights all floors depths, leads and lifts. No extra charges whatsoever consequent on any misunderstanding otherwise shall be allowed. All loose furniture items brought at site shall be kept in wrappers (polythene) sheets to avoid any damage to the item. All materials to be insect and vermin free.

5.2.3 Quality :- All furniture shall be of contract quality and suitable for commercial use.

5.2.4 Dimensions :- All wood sections are approximate and are given for reference to prepare the sample. The size of sections are likely to vary $\pm 10\%$. No deduction or enhancement of rate shall be considered on this account. Figured dimensions shall be taken in preference to scaled dimensions in all cases. Before commencing any works the Contractor shall verify all measurements on the site.

5.2.5 Metal Furniture:- Where metal legs, frames and the like are used, these shall be welded, brazed, bolted or riveted as required, finished surface welding, brazing, and riveting shall be well grounded so that no evidence of this is apparent on the final finish of the metal. All legs of case or cabinet furniture, whether of wood or metal, shall be provided with nylon glides or castors unless otherwise shown on the drawings. Metal furniture is to be fabricated from solid sections to the dimensions suitable for stability and rigidity in them with context of contract furniture. All metal parts shall have a protection coating to guard against pitting, rusting or peeling in high humidity climates. Rubber grommets shall be supplied as a cushion between metal base and specified tops. For powder coating only pure polymer shall be used.

5.2.6 Finish :- Finishes shall be fully in accordance with the drawings and schedules. Where timber is in natural finish, pieces shall be matched for colour and grain before assembly. Where timber is stained the stain shall be matched throughout.

5.2.7 Upholstery: - Where the upholstery fabric is patterned, upholstery fabrication is to commence until the contractor has received clear instruction concerning the direction of the pattern and the method of its joining. Upholstery will be of approved workmanship with non sag, springs, and coiled springs, padding and filling as specified. Covering fabrics will be sewed, tufted and corded as shown on the drawings or in schedule. All upholstery material is to be treated to be soil resistant and proof submitted to the Employer with warranty cards of the vendor. Sofa & Chair seat springs shall be non sag and of superior quality (10 no. wire). All jumping springs shall be securely tied with dori thread.

5.2.8 Joints & Adhesive :- All joints shall be standard mortise and tenon dowel, dovetail, cross halved, tongued & grooved or rebated. Nailed butt joints will not be permitted. Where mortise & tenon joints are used tenons shall fit the mortise exactly. Adhesive shall be as approved for Carpentry and joinery. Lap joints with glue shall be permitted in wood skirting. The designer may require these joinery and joints to be accentuated in various components. Joints shall be allowed only as shown in the drawings. No joint shall be allowed in a structural member of the furniture such as legs, bracing members etc.

5.2.9 Fastenings & Zippers :- Screws, nails etc. shall be of standard iron or wire.. Pillow cases shall have concealed non rusting zippers for easy removal of casing and cleaning. All rearmers must be double safety shifted with quality matching threads.

5.2.10 Cushion Vents :- Cushion vents shall be made in the back or underside of all seat cushions in sufficient number to allow air to escape easily and prevent torn seams.

5.2.11 Storage, Protection, Delivery & Installation of Furniture & Furnishings on Completion

Wherever and whenever required all items of loose furniture shall be installed in the positions shown on the drawings, during period inspections (if desired by the Employer) and an completion. All expenses towards transportation (cartage etc. shall be borne by the contractor). The contractor shall provide storage, protection and guard all fixed items and loose items of furniture, textures, fittings and all other furnishing from dust, fire, damp, theft or any other damage until the date of hand over of the completed works. The contractor shall make his own investigations to guard against local sources of attack and damage and take all necessary precautions for protection. On the completion of the installation of all work the Contractor shall leave all work clean and perfect.

5.2.12 Visual Inspection Before Covering up :- Timber shall be treated with approved wood preservative before use. Before starting the carpenters work, the contractor shall have the rough timber approved by the Employer.

5.3 PLASTER WORK

5.3.1 The contractor shall furnish all materials, labour, scaffoldings, equipment, tools plant and indicants necessary and required for the completion of all plaster and wall finishes subject to approval by the Consultant / Consultant.

5.3.2 Plaster as herein specified shall be applied to all internal and external surfaces where called for. All plaster work and other wall finishes shall be executed by skilled workmen in a workman like manner and shall be of the best workmanship and in strict accordance with the instructions and subject to the approval of the OIL India Ltd / Consultant.

5.3.3 The primary requirement of plasterwork shall be to provide an absolutely dense, smooth hard surface & avoid any cracks on the Interior & or the exterior. The contractor shall do all that is necessary to ensure that this objective is achieved. All plastering shall be finished to true plane, without any imperfection & shall be squared with adjoining work & form proper foundation for finishing material such as paint etc.

5.3.4 Masonry & concrete surfaces, which calls for application of plaster shall be clean, free from efflorescence, damp & sufficiently enough keyed to ensure proper bond, subject to the approval of the OIL India Ltd / Consultant .

5.3.5 Wherever indicated by the OIL India Ltd / Consultant all joints between concrete frames and masonry in filling shall be expressed by a groove cut in the plaster the said groove shall coincide with the join beneath as directed.

5.3.6 Where grooves are not called for the joints between concrete members & masonry in filling shall be covered by 24 gauge galvanized chicken mesh strips 400mm wide or as called for on drawings / documents, which shall be in position before plastering.

5.3.7 Chasing & Brakeage : All chasing installation of conduit inserts, boxes etc. shall be complete before any plastering or other wall finish is commenced on a surface. No chasing or cutting of plaster or other finish on a surface shall be permitted. Broken corner be cut back not less than 150mm on both sides & patched with plaster of Paris as directed. All corners shall be rounded to a radius of 8mm or as directed by the OIL India Ltd / Consultant.

5.3.8 Proportions : The material used for plastering shall be proportioned by volume by means of gauge boxes in dry state if mixed manually.

5.3.9 Ceiling Plaster :Plaster to ceiling, soffits, of stair flight slab & similar location, where called for shall be 6 to 10mm thick & comprise of one part of cement and four parts of clean fine sand.

5.3.10 Preparation of surface: The surface to be plastered shall be prepared as called for earlier. The surface shall be brushed, swept clean & thoroughly wetted before plastering

5.3.11 Applications: Cement shall be mixed in mechanical mixer unless otherwise specified or approved by OIL India Ltd / Consultant. For all plastering work, double scaffolding having two sets of vertical supports shall be provided.

5.3.12 Curing : This shall be started 24 hours after finishing the plaster. Finished plaster shall be kept wet for at least ten days after completion.

5.3.13 Chicken Mesh to Walls : Galvanized chicken mesh (24 guage 12mm size) shall be provided at junctions to brick masonry and concrete members, to be plastered. Mesh should be properly stretched & nailed ensuring equal thickness of plaster on both side of the mesh, on all locations as called for.

5.4 METAL WORK: WROUGHT IRON, ALUMINIUM

5.4.1 Extent and Intent : The contractor shall furnish all materials , labour , operational equipments , tools and plant necessary and required for the completion of all metal work in connection with metal door , windows , railings , and other items of metal work as called for in the drawing and /or other documents. The drawings and specifications cover the major requirements only. Anything called for in one document shall be considered as applicable to the items of work concerned. The supply and installation of additional fasteners accessory features and other items not specifically Mentioned but which are necessary to make a complete functioning installation shall form part of this specification at no extra cost.

5.4.2 General : All metal work shall be free from defects impairing strength, durability & appearance & shall be of the best commercial quality for purpose specified made with structural properties to withstand safety strains, stresses to which the metal shall normally be subjected.

5.4.3 Shop Drawings : The contractor shall submit shop drawings and / or samples of each type of windows, railing and other items of metal work called for, to the OIL India Ltd / Consultant for his approval at least 7 days ahead of their use at site. The shop drawings shall show full size sections of door, windows & other components, thickness of materials, details of construction, hardware as well as connection of doors, windows & other metal work adjacent work/ supports.

5.4.4 Samples : Samples of all typical metal work such as windows, doors, railing & other metal components as called for including joints & method of fastening & jointing , shall be

fabricated, assembled & erected or submitted to the OIL India Ltd / Consultant as directed for approval at least 7 days in advance of their use at site.

5.4.5 Approved Manufacturer : All windows , railing etc. & other metal work as called for shall be manufactured by a manufacturer / fabricator, approved by the OIL India Ltd / Consultant . The entire work shall be carried out by workman skilled in the kind of work as called for in a shop fully equipped to carry out all phases of fabrication in accordance with the best accepted & as approved by the OIL India Ltd / Consultant

5.4.6 Aluminium (Wood patterned foil finished) :Windows, glazing & other similar items shall be fabricated from Aluminium as approved by the OIL India Ltd / Consultant . The sections shall be of the size & thickness shown on the detailed drawings. The frame member shall be one piece & corner shall be miter, and ground smooth. All corners shall be true right angles and the comers shall be one piece & corners shall be square & flat Windows, glazing etc. shall be provided with Aluminium / EPDM beading of size and shape as shown. Other fittings & accessories as called of on the drawings shall be provided as approved by the OIL India Ltd / Consultant.

5.4.7 Unloading & stacking: The fabricated frames shall be transported, bundled, unloaded & stacked in the careful manner; they shall be stacked on edge on level bearers & supported evenly. All precautions shall be taken to ensure that the frames are not damaged or distorted in any manner.

All glasses of the doors / windows thought out shall have all paint spots and brush marks removed & upon completion of painting work shall be washed & polished on both sides. The contractor at his own cost shall replace all glasses that is scratched or damaged by contractor's work or while cleaning off paint from the glass. Hardware & other unpainted surfaces shall be cleaned using lacquer thinner or paint remover.

5.4.8 Fixing : The frames shall be fixed with expansion fastners of approved make . The frames shall be fixed into position true to line and level using adequate number of expansion fastners of approved size and manufacturer and in an approved manner. The holes in concrete member for housing dash fastners shall be drilled with an electrical drill.

5.4.9 The contractor shall be responsible for the window frames being set straight, plumb, level and for their satisfactory operation after fixing is complete.

5.5 PLASTER OF PARIS FALSE CEILING

Maximum supports (at least 25%) shall be suspended from the MS hooks provided in the slab. Incase there are not available at required locations, then the supports shall be taken by exposing the reinforcements of the RCC slabs as approved by OIL India Ltd / Consultant & MS hooks / MS Hangers shall be suspended from the reinforcement. The contractor shall make good any repairs and refilling the requited portions with cement mortar 1:3 (1 cement: 3 coarse sand). The grid shall be suspended to required height & level as per drawings with adjustable strap hanger' from structural slab using soffit cleats / expendable bolts / fasteners. All MS hangers / straps to be painted with one coat of red oxide primer. 16 Guage ,GI sheet with required cutouts & min. 75mm wide shall be provided in the false ceiling for the light fixtures, supply & return air ducts all round the cutout or locations as directed by Consultant . Plaster of Paris average 12mm thickness shall be trowelled or floated to produce a light, smooth surface with no hollows, change of levels, trowel marks and in perfect levels & edge in perfect alignment neatly finished to the satisfaction of Consultant. Extra frame work shall be provided at points as instructed by Consultant to hold & fix the mouldings cornices and fix the light fixtures / AC ducts or other design elements as indicated on drawings. Neat cutting in false ceiling for provision of light fittings, AC grills for supply & return shall be provided as per drawings.

5.6 POP PUNNING, MOULDING & CORNICES

Before doing the plaster of Paris punning work, the surface shall be racked / suitably hacked to obtain a rough gripping surface. POP material should be fresh bags without any signs of setting. Proper scaffolding should be erected for the whole area to be done & joints in punning to be avoided. The moulding & cornices samples should be made on wall / ceiling as per drawings & got approved from OIL India Ltd / Consultant. The moulding and cornice shall be in true level & line.

5.7 PAINTING WORK

5.7.1 Extent & Intent :The contractor shall supply all materials, labour tools, ladders, scaffolding & other equipment necessary for the completion & protection of all painting work. Painting as herein specified shall be applied to all surfaces requiring painting thought out the Interior and exterior of the building as given in the schedule.

5.7.2 Storage of materials to be used on the job shall be only in a single place approved by the OIL India Ltd / Consultant .

5.7.3 Material : Material used in the work shall be as specified in Makes or approved by the OIL India Ltd / Consultant . Paints shall be ready/ computer mixed & all paints, varnishes, enamels , melamine, lacquers, stains, paste fillers, distempers & other materials must be delivered to the job site in the original containers with the seals unbroken & labels intact. Each container shall list the manufacturer's name ,type of paint, colour of paint & instructions for use. Thinning shall be done only in accordance with directions. Remove rejected materials immediately from the premises.

5.7.4 Colour : All colour as approved in the colour schedule shall be as approved by the OIL India Ltd / Consultant . The contractor shall as far as possible use premixed/computerized (mixing) manufacturer's colours & shall prepare samples of the colours selected & submit same for approval to the OIL India Ltd / Consultant . No work is to proceed until the OIL India Ltd / Consultant has given his approval preferably in writing .

5.7.5 Commencement of work :Painting shall not be started until the surfaces to be painted are in a condition fit to receive painting and certified so by the OIL India Ltd / Consultant . Final painting work shall be taken in hand only after all other attached works are completed . . Building where painting work is to be commenced shall be thoroughly swept and cleaned up before commencement of painting .

5.7.6 Scaffolding .: Only double scaffolding having two sets of vertical supports shall be provided for all painting work . The supports shall be tied tighter with horizontal pieces over which the scaffolding planks shall be placed sufficiently away from the surfaces to be painted to ensure proper and uninterrupted application .

5.7.7 Workmanship :The workmanship shall be the best , all materials evenly spread and smoothly flowed on without runs or sags using good quality tools brushes etc., as required. Only skilled painters shall be employed. A properly qualified foreman shall be constantly on the job whilst the work is proceeding. All surfaces to be pointed shall be cleaned free of all loose dirt and dust before painting is started. All works on which a coat of materials has been applied must be inspected and approved before application of the succeeding specified coat. Each undercoat shall be a distinct shade of the approval colour. Before painting hardware , accessories , plates and similar items shall be removed or ample protection provided to all such items. Upon completion of each space , relevant fixture shall be replaced. Door shutters shall be removed from frames for painting the bottom edges. Use only skilled machines or carpenters for the removal and replacement of the above items.

5.7.8 Concealed surface : All interior and exterior trim , window frames , Doors , shelving cabinetwork shall be thoroughly and carefully back pointed on all surfaces and edges ,

which will be concealed when installed such surfaces shall be cleaned and the original finish restored . Contractor shall remove from the premises all rubbish and accumulated material and shall level the work in clean . orderly and acceptable conditions

5.7.9 Preparation of Surfaces

(i) Wood : Sandpaper to a smooth even surface and then dust –off and wipe clean. Touch up all knots and pith pockets with shellac on interior wood and outside, sealer on exterior work . After priming coat has been applied thoroughly fill all nail holes , irregularities and cracks use plaster wood filler for stained or natural finish .

(ii) Plaster Work : Fill wall holes , cracks and abrasions with plaster of Paris properly prepared and applied and smooth off to match adjoining surfaces do not use sandpaper on plaster surfaces . Plaster shall be allowed to dry for at least 1 (One) week before the application of paint.

5.7.10 Application

i) The paint shall be continuously stirred in the container so that it constancy is kept uniform throughout . The painting shall be laid on evenly & smoothly by means of crossing and laying off , the latter in the direction of grain of the wood. The crossing and laying off consist covering the area with paint brushing the surfaces hard for the first time and then brushing alternately in the opposite directions two or more times and then finally brushing lightly direction at right angles to the same . In this process not brush marks will be left after the laying off is finished the pull process of crossing laying off constitute one coat.

ii) Where so stipulated the painting shall be carried out using spray machines suited for the nature and location of the work to be carried out . Only skilled and experienced workmen shall be employed for this class of work . Paints used shall be brought to the requisite consistency by adding suitable thinner . Spraying shall be carried out only in dry conditions . No exterior painting shall be done in damp foggy or rainy weather . Surface to be painted shall be clean dry and adequately protected from dampness . Each coat shall be applied in sufficient quantity to obtain sufficient coverage. Paint shall be well brushed and evenly worked out over the entire surface and into all corner angles and crevices and allowed to thoroughly dry . Second coat shall be approved by the OIL India Ltd / Consultant before final coat is started . Allow at least 48hours drying time between coats for interior and 7 days for exterior work , and if in the judgment of the OIL India Ltd / Consultant more time is required it shall be allowed.

(iii) The painted surfaces shall be finished to required texture. Matt finish shall be achieved by use of sponge rollers stippling brushes as called for.

5.8 TEXTURED SURFACE COATING

The painted surfaces shall be finished to required texture

5.9 PLASTIC EMULSION PAINT

Pigmented priming coat (emulsion thinned with water) followed by three or more finishing coats of plastic emulsion paint . Pasted filler to be applied after every coat excepting the final finishing coat and sanded . Pigmented priming coat following by one undercoat & two or more finishing coats of enamel paint. Paste filler to be applied after every coat excepting the final finishing coat & salted.

5.10 MELAMINE FINISH :-

Timber works shall be finished by the applications of two coats of an acid catalyzed clear lacquer (melamine) wherever it is indicated in the drawings. The Finish shall be a satin, semi –gloss finish & shall be carried out as follows. :-

(i) The base shall be sand papered to desired finish & coated with a colour tinge to give it shade. This shade shall be sealed with a coat of spirit finish.

- (ii) After the base, first coat of lacquer shall be applied evenly by a soft cloth or by spray to give an even coat to the veneer surface.
- (iii) After the 1st coat has fully dried, the lacquered surface shall be rubbed down in the direction of the veneer grain with very fine glass paper and left completely smooth & clean before the second coat is applied.
- (iv) When the 2nd coat of lacquer is fully dried, the surface shall be rubbed down in the direction of veneer grain very fine wire wool dipped in a petroleum – based wax to give lubrication.
- (v) Twenty four hour after completion of this process the lacquered veneer surface shall be finished by burnishing with a soft cloth to an approved finish.

5.11 MIRROR

5.11.1 Mirrors shall be fabricated from clear float glass free from bubbles, waves and airholes and other defects, and should have precise flatness and distortion free surface, ideal for quality mirror, the quality and finish should be as shown in the drawings and schedules, unless otherwise specified by the OIL INDIA LTD./ Consultant.

5.11.2 The cut edges shall be straight and free from chips or any other damages. All edges of mirror shall be beveled, half an inch wide unless specified in the drawings or schedules.

5.11.3 Adhesive : Adhesives shall be as recommended by the silvering manufacturer. For mirror not held with wooden beadings, 3M Birla Adhesive tape shall be used and using not less than 2 square inch of the adhesive tape area for every 10Kg weight of the mirror and used in accordance with the manufacturers' recommendations.

5.12 GLASS

5.12.1 The glass shall have uniform and precise surface flatness and provide excellent through-vision images. It should exhibit superior visual qualities that provide bright clear through images.

5.12.2 All glass is to be of approved quality and manufacturer, and be free from bubbles, smoke waves, air holes and other defects.

5.12.3 Etched glass shall be clear float glass chemically etched as per the design and sample displayed/given.

5.12.4 Irrespective of its use all edges of glass exposed to view/touch shall be machine cut and polished

5.12.5 For full height partitions, all glass joints shall be sealed with clear silicon paste of international quality as per manufacturers' recommendations .The installer shall be a firm experienced in application of materials required. It shall be executed by company's approved applicator.

5.12.6 Delivery: Glass shall be delivered to site in cut sizes, in packages bearing the manufacturer's name and/or trade-mark. The type, quality, thickness or weight of the glass is to be clearly marked on the package.

5.13 LAMINATE:-

- i) Plastic laminates shall be veneered to mounting surface with an approved adhesive, used strictly in accordance with the manufacturer's instructions.
- ii) Laminate shall not be fixed to timber with moisture content more than 12% or at a temperature of less than 15 degree C. The laminate shall be applied only to

close grained plywood to ensure a smooth ripple free surface; it shall not be applied to open grained plywood such as fir plywood. Butt jointing of laminates shall be minimized by using longest available lengths where required and all butt joints shall be perfectly flush and sealed or a uniform groove be left in between wherever mentioned. Grain direction of wood grain laminated sheeting shall be as decided by the Employer.

iii) Grain directions of laminates shall be shown in working drawings, In case it is not shown these shall be decided by Employer.

iv) No surface sanding of laminated plastics will be allowed.

5.14 DECORATIVE TIMBER VENEER PLY

i) Adhesives to be used for fixing veneers shall be in accordance with the manufacturer's recommendations.

ii) Bonding shall be under pressure.

iii) The contractor shall submit 1 Sq. ft. sample of each veneer type (finish to the desired finish) for approval.

5.15 HARDWARE

Hinges, locks, latches, door handles, nails, etc., shall be as specified or as approved substitute equal or be better than the specified.

6.0 NOTE:

6.1 FALSE CEILING WORKS :

a) No extra payment shall be made for the false ceiling surface (other than straight) which can be in the form of curves, edging or recesses etc. as may be specified or directed.

b) No extra payment shall be made for providing framework diagonally.

c) Rates shall be inclusive of providing additional framework for fitting light fixtures, AC supply return air grilles/diffusers, trap door cut outs etc.

d) All defects/cracks formed during the construction period shall be rectified before handing over of the complete work.

e) The rates shall be inclusive of necessary supports, scaffolding, labour etc.

f) For the purpose of payment complete exposed visible area including drops, slant/slopes etc. to be measured unless specified in another manner.

6.2 PARTITION & WALL PANELLING :

a) For the purpose of payment net weight of the framework material used i.e. aluminium hollow sections and aluminium angle clamps shall be considered. Dash fasteners, rivets, screws, nuts & bolts shall be excluded. However no deduction shall be made for material loss due to holes and punches.

b) For full height partitions framework shall be provided till the bottom of roof slab and the said area shall be measured for payment.

c) Center to center spacing may vary to make provision for fixing dado rail / to adjust the level of glass or for fixing counter storage units or otherwise as per site requirement.

- d) No extra payment shall be made for reduction in framework opening as indicated in the drawing or as instructed by the Engineer - In - Charge. Framework shall be rigidly secured to floor and ceiling by dash fasteners etc. at maximum 600mm c/c.
- e) Necessary punches for telephone & electrical conduits shall be provided
- f) For framework of partition / panelling wherever change of material or joint in the skin material occurs, an additional member must be provided for proper strength & shall be of the same section & size as the other frames.
- g) Cost towards skinning and finishing shall be paid for in the relevant item.
- h) Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically (riveting). Framework shall be provided with pre-punched holes to suit sizes of the conduits and / M.S. Boxes etc. for carrying electrical or any other services as required. Framework firmly secured to its parts using aluminium angle clamps and to the floor with dash fasteners. Aluminium angle clamps shall be 5mm thick and width to suit section. Clamps shall be provided at all joints/junctions.

7.0 PLUMBING AND SANITARY MATERIALS

7.1 CAST IRON PIPES

The spun iron pipes shall conform to IS: 1536 - 1976. The spun iron pipes shall be of cast iron casted centrifugally and vary in diameters from 80mm to 750mm. These shall be either of class L.A. class a or class B, as specified.

- a) SPECIALS : The specials shall conform to IS: 1536 - 1976.
- b) PIPES - Cast Iron (vertically cast)
The pipes shall conform to IS : 1537 - 1976. The pipes shall either with spigot and socket ends or flanged ends. The pipes shall be of casted vertically and vary in diameter from 80mm to 150mm these shall be either class LA class A or B as specified.
- c) SAND CAST IRON CENTRIFUGALLY CAST (SPUN) IRON PIPES & FITTINGS
Sand cast iron spigot and socket soil, waste and ventilating pipes, fittings and accessories shall conform to IS: 1929 – 1979. Centrifugally cast (spun) iron spigot and socket soil, waste and ventilating pipes, fittings and accessories shall conform to IS : 3989 – 1970. The pipes and fittings shall be true to shape, smooth and cylindrical, their inner and outer surface being as nearly as practicably concentric. They shall be sound and nicely cast & shall be free from cracks, taps pinholes and other imperfections and shall be neatly dressed and carefully fettled.
All pipes and fittings shall be coated internally and externally with the same material at the factory, the fitting being preheated prior to total immersion in a bath containing a uniformly heated composition having a tar or other suitable base. The coating materials shall have good adherence and shall not scale off. In all instances where the coating material has a tar or similar base it shall be smooth and tenacious and hard enough not to flow when exposed to a room temperature of 700 C but not to brittle at a temperature of 00 C as to chip off when scribbled lightly with a pen knife.
The access door fittings shall be designed so as to avoid dead spaces in which filth may accumulate. Doors shall be provided with 3mm rubber insertion packing and when closed and bolted, these shall be water tight.
Sand cast iron floor trap : sand cast iron floor trap shall be (P or S type) with minimum 50mm seal and shall be of self cleansing design.

7.2 GI PIPES AND FITTINGS

GI pipes shall be genuine galvanized steel tubes conforming to IS 1238 - PART - I medium grade or heavy grade as given in schedule of quantities.

All fittings shall conform to IS-1239 part II (or as revised). All fittings shall have manufacturer's trade mark stamped on it. Fittings in GI pipe line shall include elbows, tees, bends, reducers, nipples, union, bushes, and GI clamps of approved design. All fittings shall be tested at manufacturer's works.

7.3 SANITARY FIXTURES

7.3.1 All Sanitary wares with their allied fittings must be first quality (best) of approved make and brand.

7.3.2 WALL HUNG WATER CLOSET

The W.C Pan shall be of white vitreous China unless otherwise specified of one piece construction of wash down type with integral 'P' or 'S' trap as required. It shall be of approved quality and pattern.

7.3.3 INSTALLATION

The weight of the fixture and the user are supported on the wall and not on the drainage pipe and this should be done in standard approved method.

7.3.4 FLUSHING

The flushing of the pedestal W.C. Pan shall be done by 'low level' flushing cistern of approved quality and capacity, as specified. The connection between the flush pipe of the cistern and W.C. pan shall be made by using G.I. or lead inlet connection as specified.

7.3.5 BRACKETS

The cistern shall be fixed on Cast Iron or rolled steel cantilever brackets of required strength which shall be firmly embedded in the wall & floor fixed by screws, to the satisfaction of the Consultant/Employer.

7.3.6 WASH BASIN

a) BASIN : The wash basin shall be of transparent, non textured molded glass single piece type or single piece 19mm thick glass bowl of approved colour.

b) FIXING : The basin shall be supported on a pair of stainless steel cantilever brackets of requisite strength embedded or fixed in position by means of dash fasteners

7.3.7 WASTE CONNECTION :

The waste shall discharge into a bottle trap leading to a gully vertical waste stack.

7.4 BOTTLE TRAPS

Bottle traps (for wash basins, sinks, baths etc.) shall be deep seal (min. 6 cm seal), cast brass bottle traps, heavy chromium plated. All bottle traps, shall be provided with suitable cleaning eye, extension piece, flare nut all chromium plated. Bottle traps shall be of approved make and design. Traps for wash basin shall be 32mm (1 ¼"), for sinks 49mm (1 ½").

7.5 OVERHEAD TANKS

The overhead tank shall be one piece moulded high density polyethylene(HDPE) tank with all inlets, outlets, overflow and scour pipe with painted MS frame. Support of concrete pedestal including all pipe work and inter connection as required and directed by the Engineer - in - charge.

7.6 LAYING AND JOINTING OF PIPES

7.6.1 ALIGNMENT OF GRADE

All pipes shall be laid true to alignment and gradients. No deviations from the lines, depth of cuttings or gradients called for on shall be permitted without the approval in writing by the Engineer - in - charge.

7.6.2 SETTING OUT TRENCHES

The contractor shall set out all trenches, manholes and such other works to true grades and alignments as called for. He shall provide the necessary instructions for setting out and verification of the same. All trenches shall be laid to true and in straight lines and as shown on the drawings. The trenches shall be laid to proper levels by the assistance of bonding rods and sight rails which shall be fixed at intervals not exceeding 10 meters or as directed by the Engineer - in - charge.

7.6.3 EXCAVATING TRENCHES FOR PIPES

The trenches for pipes shall be excavated with bottoms formed to levels and gradients as shown in the drawings or as directed by the Engineer - in - charge. Soft and filled in ground the EIC may require the trenches to be excavated to a greater depth than that shown on the drawing and fill up such additional excavation with concrete 1:5:10 consolidated to bring the excavation to the required levels as shown on the drawings. All excavations shall be properly protected where necessary by suitable timbering. Excavations below water table shall be done after dewatering of the trenches. No blasting shall be allowed without prior approval in writing. It shall be carried out under through competent supervision with the written permission of the appropriate authorities, taking full precautions connected with blasting operations. All excavated earth shall be kept sufficiently clear of trenches.

7.6.4 EXCAVATING TRENCHES FOR PIPES

All pipes, water mains, cables, etc. must in the course of excavations shall be carefully protected and supported. Care shall be taken not to disturb the cables, the removal of which shall be arranged by the client.

7.7 DRILLING AND CUTTING :-

Drilling and cutting of installed pipe work and masonry shall be restricted to absolute minimum . Where such cutting and drilling is unavoidable it shall be executed only with prior permission of the Engineer . All cutting and drilling shall be predetermined and suitable sockets and specials shall be employed to effect necessary connections . All cutting and drilling shall be executed by skilled work men with proper tools. The disturbed surfaces shall be restored to the satisfaction of the Engineer .

7.8 MARKER PLATES :-

Marker plates indicating the particular service installed shall be provided along the routes of pipe trenches. marker plates shall be mild steel with the type of service and the direction of flow planted on it. The markers shall be set firmly in a concrete base and installed at all corners and turning points. Over straight runs markers shall be spaced at 100 meter centre generally.

7.9 LAYING OF PIPES AND JOINTING OF PIPES:-**TECHNICAL SPECIFICATIONS FOR ELECTRICAL WORK****MOULDED CASE CIRCUIT BREAKER****1. General**

Moulded case circuit breaker or fuse free breakers shall be incorporated in the switch board wherever specified. MCCB shall conform to BS: 3871 part II or IS-C-8370 in all respects. MCCB'S shall be suitable either for single phase AC 230 volts or three phase 415 volts.

2. Frame Size

The MCCB's shall have the following sizes:

- | | |
|------------------------|-------------|
| a. Upto 80 A rating | 100 A frame |
| b. From 80 A to 150 A | 225 A frame |
| c. From 175 A to 350 A | 400 A frame |

- d. 400 A to 500 A 600 A frame
- e. From 500 A to 800 A 1000 A frame

3. Construction

The MCCB'S cover and case shall be made of high strength heat-resistance and flame retardant thermo-setting insulating material. Operating handle shall be quick make/quick break, trip free type. The operating handle shall be have suitable "ON", "OFF" and 'TRIPPED' indicators. Three phase MCCBS shall have a common operating handle for simultaneous operations and tripping of all three phases.

Suitable are fire extinguishing device shall be provided each contact. Tripping unit shall be of thermal magnetic type provided on each pole and connected by a common trip bar such that tripping of any one pole operates all three poles to open simultaneous. Thermal magnetic device shall have IDMT characteristics for substained over loads and short circuits.

4. Contacts

Trip shall be made of suitable are resistance, sintered alloy for long electrical life. Terminals shall of liberal design with adequate clearances.

5. Interlocking

Moulded case circuit breakers shall be provided with the following devices for interlocking the door of switch board:

- a. Handle interlock to prevent necessary manipulation of the breaker.
- b. Door interlock to prevent the door being opened when the breaker is in "ON OR "OFF "position.

6. Rupturing Capacity

The moulded case circuit breaker shall have a returning capacity of not less than 25 KARMS at 415 Volts. Wherever required, higher repturing capacity breakers to meet the system short circuit fault shall be used.

7. Testing

- a. Original test certificate of the MCCB as per BS 3871 or IS-C-8370 shall be furnished.
- b. Pre-commissioning tests on the switch board panel incorporating the MCCB shall be done as per standard specifications MV-110.

9. MCBs:

All MCB's shall be 10 KA rating and shall be DIN mounted.

10. Meters and Relays

All the meters and relays shall be housed in separate compartments and accessible from front only. Lockable doors shall be provided for the metering and relay compartment. Breaker "ON" and "OFF" shall be indicated by neon lamps also. The details of meters and relays are as detailed in each switch board.

11. Current Transformers

Current transformers shall be in accordance with IS:2705 and shall have accuracy class I and suitable VA burden for operation of the associated metering and relays.

12. Indicating and Metering Equipment

All meters and indicating instruments shall be in accordance with BS 37 and BS 89. The meters shall be flush mounting and draw out type. The indicating lamps shall be LED cluster type and low burden.

13. Earthing

Main GI/Aluminium earth bar of 32 mm x 6 mm shall be provided to the full length of the switch board connected to the frame work of the panel. Provision shall be made for the connections from the earth bar to the sub station earth on both sides of the panel.

14. Painting

All steel work shall undergo a process of degreasing, pickling in acid, cold rinsing, phosphating, passivating and then sprayed with a high corrosion resistant primer. The primer shall be baked in an oven. The finishing treatment shall be by application of synthetic enamel paint of approved colour and stoved.

15. All control wiring shall be of 2.5 sq.mm. size for current circuits and 1.5 sq.mm. for voltage circuits.

16. Drawing and Leaflets

Two sets of detailed technical literature and dimensional drawings shall be submitted with the tender. The successful bidder shall supply three copies of manual of complete instructions for the installation, operation, maintenance and repairs, circuit diagram, foundation and trenching details.

17. Shop Drawing

Before fabrication of switch board the successful bidder will submit the shop drawings of all the switch boards to the Engineer-in-charge and get them approved from him before taking up the fabrication.

18. Testing

L.T. switch board shall be subject to tests specified in relevant Indian Standards before dispatching and test certificates shall be furnished.

19. Inspection

At all reasonable times during production and prior to shipment, the supplier shall provide and secure for purchasers representatives, every reasonable access and facility at their plant for inspection.

CABLES AND EARTHING PARTICULARS SPECIFICATIONS OF CABLES**1. General**

MV cables shall be supplied, inspected, laid, tested and commissioned in accordance with drawings, specifications, relevant Indian Standard Specifications, and cable manufacturer's instructions. The cable shall be delivered at site on original drums with manufacturer's name clearly written on the drums.

The recommendation of the cable manufacturer with regard to jointing and sealing shall be strictly followed.

2. Materials

The MV cables shall be PVC insulated XLPE Aluminium conductor armoured cable conforming to IS:1554 laid in trenches, ducts and underground as shown on drawings.

3. Inspection

All cables shall be inspected upon receipt at site and checked for damage during transit.

4. Cable termination

Cable terminations shall be done in terminal cable box using cable glands. All pipe sleeves shall be sealed with sealing compound.

5. Bonding of cables

Where a cable enters any piece of apparatus it shall be connected to the casing by means of an approved type of armoured clamp and gland. The clamps must grip the armouring firmly to the gland or casing, so that no undue stress is passed on to the cable conductors due to vibrations. The gland or cone shall be capable of effecting a good electrical bond between both the armouring and the casing.

6. Laying of cables

Cables shall be laid by skilled and experienced workmen using adequate rollers to minimize stretching of the cable. The cable drums shall be placed on jacks before unwinding the cable, Great care shall be exercised in laying cables to avoid forming kinks, the drums shall be unrolled and cables run over wooden rollers in trenches at intervals not exceeding 2 meters. Cables shall be laid at a depth of 0.75 meters below ground level.

A cushion of sand, not less than 80 mm shall be provided both above and below the cable and joint boxes and other accessories. Cables shall not be laid in the same trench or along side of a water main. The cables shall be laid first in excavated trench and a layer of 80 mm sand shall be spread over the cable. The cable then shall be lifted and placed over the sand bed. The second layer of 80 mm sand shall then be spread over the cable. The relative position of the cables, laid in the same trench shall be preserved and the cables shall not cross each other as far as possible. At all changes in directions in horizontal and vertical planes, the cable shall be bent smooth with a radius of bend not less than 12 times the diameter of cable. Minimum 3 meters long loop shall be provided at both sides of every straight joint and 5 meters at each end of cable. Distinguishing marks shall be made on the cable ends for identification. Insulation tapes of appropriate voltage and in Red, Yellow and Blue colours shall be wrapped just below the sockets for phase identification.

7. Protection of cables

The cables shall be protected by bricks on the top layer of sand for the full length of underground cable. Where more than one cable is running in the same trench, the bricks shall cover all the cables and shall project a minimum of approximately 80 mm on either side of the cables.

Cables under road crossings and any other places subject to heavy traffic shall be protected by running them through Hume pipe of suitable size. The depth of the hume pipe shall be 1 meter below the finished road level.

8. Excavation & Back Filling

All excavation and back fill including timbering, shoring and pumping required for the installation of the cables shall be carried out by the Contractor in accordance with the drawings and requirements laid down elsewhere. Trenches shall be dug true to line and grades. Back fill for trenches shall be filled in layers not exceeding 150 mm. Each layer shall be properly rammed and consolidated before laying the next layer. The Contractor shall restore all surfaces, roadways, side walks, curbs, walks or other works cut by excavation to their original conditions, satisfactory to the Architect, including disposal of surface soil as directed.

9. Testing of cables

Prior to laying cables, the following tests shall be carried out :

- a. Insulation test between phases, phase and earth for each length of cable before and after jointing.

On completion of cable laying work, the following test shall be conducted in the presence of the Architect/Consultant.

- a. Insulation Resistance Test (Sectional and overall)
- b. Continuity Resistance Test
- c. Sheathing continuity Test
- d. Earthing Test.

All tests shall be carried out in accordance with relevant Indian Standard Code of Practice and Indian Electricity Rules. The Contractor shall provide necessary instruments, equipment and labour for conducting the above test and shall bear all expenses in connection with such tests. All tests shall be carried out in the presence of the Architect/Consultant.

10. Markers & Warning Plates

Approved CI cable markers shall be provided along the route of the cables at every 30 meters distance and at both ends of road crossing, indicating "MV CABLES". Special CI markers shall be provided at all buried cable joints indicating "ELECTRICAL CABLE JOINT".

SPECIFICATIONS

1. INTERNAL WIRING:

1.1 System of Wiring

The system of wiring shall consist of Multi stranded PVC insulated copper conductor wires in M.S. conduits concealed or exposed as called for on the drawings and all work should be carried out as per C.P.W.D. specification.

1.2 General

Prior to laying and fixing of conduits, the Contractor shall carefully examine the drawings indicating the layout of conduits, satisfy himself about the sufficiency of number and size of conduits, location of junction boxes, sizes and location of switch boxes and other relevant details. Any discrepancy found in the drawings shall be brought to the notice of the Architect. Any modifications suggested by the Contractor shall be got approved by the Architect before the actual laying of conduits is commenced.

1.3 Materials

M.S. Conduit: M.S. conduits shall be Solid conduits. The minimum wall thickness shall be 1.6 mm for conduits upto 25mm diameter and 2.00 mm wall thickness for conduits above 25 mm diameter.

1.3.1 Connections

All joints shall be fully water tight and sealed by applying M. S. jointing compound as per manufacturer's recommendation. Junction boxes and running joints shall be provided at suitable places to allow for subsequent extension, if any, without undue dismantling of conduit system. As far as possible, diagonal run of conduits shall be avoided.

Conduit system shall be erect and straight as far as possible. Separate conduits shall be run for '15amps' power outlet wiring. The joints in conduit shall be free of burrs to avoid damage to installation of conductors while pulling them through the conduit.

1.4 Bends in Conduit

Where necessary, bends or diversions may be achieved by means of bends and/or circular inspection boxes with adequate and suitable inlet and outlet connections. In case of recessed system each junction box shall be provided with a cover properly secured and flush with the finish wall surface, so that the conductors inside the conduit are easily accessible. No bend shall have radius less than 2 1/2 times the outside diameter of the conduit.

1.5 Fixing Conduits

Conduits and junction boxes shall be kept in position while the walls, slabs and floor are under construction and proper hold fasts shall be provided. Conduits shall be so arranged as to facilitate easy drawing of wires through them. Adequate junction boxes of approved quality and size shall be provided. Where conduits cross expansion joints in the building, adequate expansion fittings or other approved devices shall be used to take care of any relative movement. All conduits shall be installed so as to avoid steam and hot water pipes. Conduit stubs in floor slabs shall be kept as short as possible above finished floor level in order to avoid any damage to them. After the conduits, junction boxes, outlet boxes and switch boxes are installed in position, their outlet shall be properly plugged or covered so that water, mortar, insects or any other foreign matter does not enter into the conduit system.

Where called for, surface conduits shall be fixed by means of spacer bar saddles at intervals not more than 1000 mm and 100 mm from both sides of fitting or accessories.

The saddles shall be 3 mm x 19 mm galvanised mild steel flat, properly treated, securely fixed to support by means of rawl bolts and brass machine screws. Conduit in chases shall be avoided. Where unavoidable, conduit shall be fixed by means of staples not more than 600 mm apart and the chases filled with cement mortar 1:4. Cutting of horizontal chases is prohibited. All connections shall be made fully water tight by the use sealing compound or as suggested by manufacturer of sealing conduits.

1.6 Switch outlets & Junction boxes

All outlets for switches, sockets and other receptacles shall be equipped with rust proof outlet boxes of sheet steel fabricated from 16 SWG sheet as called for, having smooth external and internal surface to true finish. Where called for, outlet boxes for receiving switches and fan regulators shall be fabricated to approved sizes and covered with 3/16th inch thick decorative laminate sheet.

Outlets exposed to the weather shall be fully weather tight, complete with rubber gasketed covers. Outlets where used shall be painted with two coats of bituminous paint before they are fixed in position, outlet boxes fixed in concrete shall have a minimum depth of 75 mm and the wall thickness of the boxes and spouts shall not be less than 2mm.

1.7 Inspection Boxes

Rust proof boxes of cast iron and of required size, having smooth external and internal finish, shall be provided to permit periodical inspection and to facilitate removal and replacement of wires when required. Inspection boxes shall be mounted on walls/ceiling finished surface and shall be provided with 3/16th inch thick decorative laminate sheet cover to the box with brass screws. Adequate ventilation holes shall be provided in the inspection box covers.

1.8 Telephone system

Conduit, junction boxes, draw boxes, outlet boxes and covers to boxes for telephone system shall be as described under relevant clauses elsewhere in these specifications. The conduit for telephone wiring shall be of specified size and shall terminate at outlets as indicated on the drawings. All telephone system conduits shall have 14' SWG galvanised steel pull wires installed.

1.9 Conductors

All PVC insulated copper conductor wires shall conform in all respects to Indian Standards.

1.10 Bunching of wires

Wires carrying current shall be so bunched in the conduit, that the outgoing and return cables are drawn in the same conduit. Cables originating from two different phases shall not be run in the same conduit.

1.11 Drawing Conductors

The drawing and jointing of copper conductor wires and cables shall be executed with due regard to the following precautions:

While drawing insulated wires into the conduits, care shall be taken to avoid scratches and kinks which cause breakage of conductors. There shall be no sharp bends. Insulation shall be shaved off like sharpening of a pencil and it shall not be removed by cutting it square of wiring. Strands of wires shall not be cut for connecting terminals. The terminals shall have sufficient cross sectional area to take all strands and shall be tinned. The connecting brass screws shall have flat ends. All looped joints shall be connected through terminal blocks/connectors. The pressure applied to tighten terminal screws shall be just adequate, neither too much nor too less.

Conductors having nominal cross-sectional area exceeding 4 sq.mm shall always be provided with cable sockets. At all bolted terminals, brass flat washers of large area and approved steel spring washers shall be used. Brass nuts and bolts shall be used for all connections.

Only certified wiremen and cable jointers shall be employed to do jointing work. All wires and cables shall bear the manufacturer's label and shall be brought to site in new and original packaging. For all internal wiring, PVC insulated wires of 250/440volts grade shall be used. The sub-circuit wiring for points shall be carried out in looping in system and no joint shall be made.

MAXIMUM PERMISSIBLE NUMBER OF 1.1 KV GRADE SINGLE-CORE CABLES THAT MAY BE DRAWN INTO RIGID METALLIC CONDUITS.

SIZE OF CABLE		SIZE OF CONDUIT (in mm)					
Nominal Cross-Sectional Area mm ²	Number & diameter (in mm) of wires	16	20	25	32	40	50
1.0	1/1.12*	5	7	13	20	-	-
1.5	1/1.40	4	6	10	14	-	-
2.5	1/1.80						
	3/1.06	3	5	10	14	-	-
4	1/2.24						
	7/0.85*	2	3	6	10	14	-
6	1/2.80						
	7/1.40*	-	2	5	9	11	-
10	1/3.55 **						
	7/1.40 *	-	-	4	7	9	-
16	1/1.70	-	-	2	4	5	12
25	7/2.24	-	-	-	2	2	6
35	7/2.50	-	-	-	-	2	5
50	7/3.00 **	-	-	-	-	2	5
	19/1.80	-	-	-	-	2	3

* For copper conductors only.

** For aluminium conductors only.

2. SWITCHES, RECEPTACLES & FIXTURES**2.1 SWITCHES**

The 6 amp and 16 amp switches shall be enclosed type flush mounted switches of 250 V AC grade. All switches shall be fixed inside the switch boxes on adjustable MS strips/plates with tapped holes and brass machine screws, leaving ample space at the back and sides for accommodating wires. The switch controlling the light shall be located as per specification.

2.1.2 FLUSH PLATES

The switch receptacles outlets in walls shall be provided with approved white Poly carbonate modular cover plates, secured to the box with countersunk brass screws. Where more than one switch occurs in same location they shall be installed in gangs under one cover plate.

2.1.3 WALL SOCKET OUTLETS

The 5 amp wall socket outlets where called for on the drawings shall be with switch. All 15 amp wall socket outlets where called for shall be with switch. The sockets shall be erected as per specification.

The switch controlling the point outlets and socket outlets shall be on the phase wire of the circuit. The earth terminal of the socket shall be connected to the earth terminal provided inside the box by means of 1.5 sq mm insulated copper wire. No joints are allowed in the length of the conductors. If the use of joint connections is unavoidable due to any specific reasons, prior permission in writing shall be obtained from the Architect/Elect. Consultant/Engineer in charge before the use of such connections. No wire shall be drawn into any conduit, until all work, of any nature that may cause injury to the wire, is completed. Care shall be taken in pulling the wires so that no damage occurs to the installation of the wire. Before the wires are drawn into the conduits, the conduits shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction by forcing compressed air through the conduit. The minimum size of PVC insulated copper conductor wires for all sub circuit shall be as follows :

Wiring for lights, exhaust fans and ceiling fan points shall be 1.5 Sq mm. The two 15amp power outlets shall be grouped in one circuit where called for. Wiring for the first power outlet shall be carried out with 6 sq.mm PVC insulated copper conductor wires. Wiring for the second power outlet shall be carried out with 4 sq.mm.PVC insulated copper conductor wires. All power outlets shall be provided with 2.5sq.mm insulated copper earth wires.

2.3 Colour code of conductors

Colour code shall be maintained for the entire wiring installation: Red, Yellow, Blue for the three phases, Black for neutral, Green for earth.

SPECIFICATIONS FOR LOW CURRENT SERVICES (TEL. CABLING, DATA CABLING & MUSIC SYSTEMS)**A) Tel. Cabling**

The OIL of tel. Cabling shall include cabling with right type of tel. Cables as per B.O.Q. including termination on both ends with proper type of tool and numbing ferrules. Separate conduits shall be used for tel. Cabling.

B) Data Cabling

Data cabling (Structured cabling) shall be done with cables as per B.O.Q. and terminated at both ends with numbing ferrules on both ends. The cabling shall be laid in conduits/race way/trays dedicated for the purpose and terminated in the server room on first floor.

C) Back Ground Music/P.A. Systems

Separate conduit shall be used for the purpose and wiring shall be carried out as per specs. Detailed in B.O.Q. speakers, volume control switches, other accessories shall be as per approved makes and best engineering practice. The music cabling shall be terminated in the control room dedicated for the purpose.

INTERPRETATION AND SCOPE FOR ELECTRICAL ALLIED WORKS

In the interpretations of specifications or items where discrepancies are conflicting or incomplete or otherwise subject to dispute, the following order of decreasing importance shall prevail.

- a. Description of items in the Schedule
- b. Special Specifications attached to the Tender
- c. C.P.W.D Specifications for Building works amended upto date.
- d. Bureau of Indian Standard Specification.

Anything not covered by the above shall be as per prevailing Rules and regulations & sound engineering practice where as the decision of OIL shall be final.

i) SCOPE OF WORK

The general character and scope of work to be carried out under this contract is illustrated in the Bill of Quantities and Drawings.

Contractor shall carry out and complete the said work under this contract in every respect and to the satisfaction of OIL. In general the work to be carried out shall comprise of :-

- 1) Supply & installation of D.Bs. as required.
 - a) Supply & installation of all lighting points, plug points, sub mains & circuit wiring etc.
 - b) Supplying & installation of light fixtures, Exhaust fans.
 - c) Supply & installation of F.A, P.A. & Data network Cabling.

GENERAL CONDITIONS

1) The Specifications generally applicable to this work shall be as per C.P.W.D. Specifications for Electrical works at Delhi except as otherwise specified in the description of items given in the Schedule of Quantities or in the General and Technical Specifications. The requirements of these Specifications will be fulfilled by the Contractor within the Tendered rates and without extra charge. The item rates quoted shall be deemed to have taken these specifications into account.

2) The work will be carried out generally in accordance with the General Specifications 1994 CPWD with amendments up-to-date for Electrical works in Central Government buildings while complying in all respects with the requirements of the latest Indian Electricity Rules in force for the time being.

3) The work shall be carried out simultaneously with building work and will be continued till it is completed satisfactorily along with the completion of essential portions of buildings work.

4) If any minor alterations are found necessary, the Contractor will do the same within the tendered rates.

5) The work will be carried out in the best workmanlike manner and any defect in the work or changes in the design etc, if pointed out shall be carried out by the contractor within the tendered rates.

6) The contractor shall employ adequate labour to complete the work within the stipulated time and make his own arrangements for housing labour and storage of materials etc. A whole time Supervisor/Engineer shall be employed by the Contractor who will remain at site of work to receive orders or an other instructions from the Architects/Engineer-in-Charge.

7) Any material supplied by the Employers, if damaged in any way during cartage or execution of work or otherwise, shall be made good by the Contractor at his own cost.

8) During the progress of work, completed portions of the buildings may be occupied and put to use by the owner but contractor will remain fully responsible for maintenance of the Electrical Installations till be entire work covered by this contract is satisfactorily completed by the Architects/Engineer-in-charge.

9) **CONTRACTOR TO OBTAIN INFORMATION BY HIMSELF:**

The Contractor shall obtain for himself, on his own responsibility and at his own expenses all the information which may be necessary for the purpose of tendering and for entering into a contract, and must examine and study the specifications, drawings the design of electrical installation, inspect the site, the building plans etc. If the drawings are supplied to the contractor for tender purposes, the same must be returned in good condition with the tender. The contractor shall also notwithstanding an information given to him, make local and independent enquiries.

10) **TENDER RATES:**

All Tender rates will include the cost of materials, erection connections, labour, supervision, tools, plant, transport, all taxes, contingencies, breakage, wastage, sundries, scaffolding, maintenance of installation for one year etc. i.e., they should be for an item complete in all respect.

11) **APPROVALS**

The contractor, while executing the work, shall conform to the provision of any Government Act relating to the work and to the regulations and Byelaws of the local authorities, and of the Company to whose system of supply the installation is proposed to be connected. The contractor shall give all notices, required by the Acts, Regulations of Bye Laws. He will also undertake to provide test certificate and drawings as required and will make necessary arrangements to procure electricity supply without any extra charge. The contractor shall also obtain all approvals for the items of work done under this contract from the appropriate authorities. All inspection fees or submission fees paid by the contractor will be reimbursed by the owner against valid official receipts. Contractor shall possess a valid electrical Contractor's License issued by the Inspectorate of the Local Government.

12) **SAMPLES :**

Samples of materials and fabrication drawings will be submitted by the contractor according to the schedule/specifications. Any deviation from the schedule / specification will have the written consent of the engineer incharge. No approval given by the engineer incharge to any samples or drawings submitted by the Contractor shall in any way exonerate the contractor from his liability to carry out the work in accordance with the terms of contract.

13) **DRAWINGS :**

a. **WORKING DRAWINGS**

The contractor will submit 4 (four) sets of working drawings indicating detailed layouts for approval and proceed with work there after. All

fabrication drawings and other literature will also be submitted in advance for approval.

b. **COMPLETION DRAWINGS**

The contractor shall submit one complete set on CD and further two copies of layout drawings to the OIL after completion of the work. These complete drawings shall give the following information :-

i) Runs of conduits, Diameter of conduit, number of wires contained in each conduit and size of wire for point wiring, mains, submains, telephone, T.V. cabling, fire alarm, telephone cabling, structured cabling for computer systems.

ii) Location of all Sub Panels, D.B.S Earthing pits, cable routing.

iii) Location of special services control and routing along with schematic provided in Auditorium & conference room.

iv) Complete Schematic Diagram of the installation of all services.

v) Cables, dummy pipes, earthing and communication systems and all other services covered under this contract.

vi) The Drawings will be submitted in 4 (four) different sets as below:-

SET NO: 1 : Lighting layout giving details of the entire lighting system, Telephone, Data Cabling, fire alarm System, P.A. system, telephone systems.

SET NO: 2 : Power layout giving details of the entire power system for all Electrical System.

SET NO: 3 : Main Panels, Distribution Boards, Cable routing and sizing etc.

SET NO: 4 : Schematic Diagram for all services.

No completion certificate will be issued until the completion drawings in the above mentioned forms are submitted. The drawings will be prepared and submitted by the contractor without any extra charge.

14. **PROGRESS AND TIME OF COMPLETION.**

a) The work will commence immediately after the contractor receives instructions to proceed.

b) The contractor shall in consultation with the OIL draw up a time schedule on commencement of the work. This time schedule will be strictly adhered to. The resistance to each earthing system shall not exceed 1.0 ohm.

TECHNICAL SPECIFICATIONS FOR AIR CONDITIONING WORKS

1. **AIR COOLED SPLIT UNITS**

1.1 **General**

The contractor shall supply and install split system air conditioners wherever indicated. The system shall be complete in all respects and comply with the specifications as given.

1.1.1 **Outdoor Unit**

Each condensing unit shall consist of Hermetically sealed rotary / reciprocating compressor/s (upto 3TR) and scroll compressors , Cassette type(3 TR & Above) air-cooled

condenser, condenser fans with motors , internal refrigerant piping , electrical switch gear and interconnected wiring enclosed in a weather proof outdoor type housing.

The compressor shall be hermetically sealed rotary / reciprocating/scroll type suitable for R-22 refrigerant.

The condenser shall be air-cooled type with aluminium fins and copper tubes and necessary refrigerant connections. The copper tubes shall not be less than ½" O.D.

The condenser air fans shall be propeller type complete with three phase electric motor suitable for 415 +/- 10% v , 50 Hz supply . (3 TR & Above) & single phase, 220+/- 10%V,50Hz supply (below 3 TR)

The starters shall be DOL type suitable for the motor rating.

The casing shall be fabricated from galvanised steel and finished with powder coating. The casing shall make the whole unit fully weather proof, suitable for outdoor installation.

The necessary charge of refrigerant gas and lubricating oil shall be provided to run the system.

Noise level shall be limited to 65 DB at a distance of 1M from the outdoor unit

1.1.2 Indoor Unit

The indoor unit shall be ceiling mounted type (Cassette Units) & Wall mounted for high wall models. Each unit shall consist of cooling coil , fan, filters, outer casing , drain pan , accessories, etc.

The cooling coil shall have copper tubes of not less than 3/8" O.D. and continuous aluminium plate fins with integral collars. The tubes shall be staggered in the direction of the air flow.

The fan section shall consist of (2) two light weight aluminium impellers, statically and dynamically balanced, mounted directly on to a double shaft single phase, multiple winding motor capable of running at 3 speeds. The fans shall be able to circulate required quantity of air at suitable static for proper through the grills / diffusers.

The unit casing shall be made of galvanised steel duly powder coated. The casing shall be insulated to lower the noise level and eliminate condensation.

Noise level shall be limited to 50 DB at a distance of 1M from the indoor unit

1.1.3 Refrigerant Piping

The condensing unit and evaporator unit shall be interconnected by type 'L' seamless copper refrigerant liquid and suction lines using flared or brazed fittings. Necessary accessories shall be incorporated in the circuit. The suction line shall be insulated with 6 mm rubber foam insulation.

1.1.4 Miscellaneous

The unit shall have control panel, housing the starter, switches ,contactors and relays, etc. Neoprene-in-shear hangers shall be used for hanging the units for vibration isolation. Drain line shall be provided from fan coil unit upto drain tap. Suitable M.S. angle iron supporting frame shall be provided for the condensing unit and supporting arrangement for the indoor units. Inter-connecting power and control cabling shall be provided between condensing unit and evaporator unit.

2. AIR DISTRIBUTION**2.1 Scope**

The scope of this section comprises of supply & installation of transfer air grilles with these specifications.

2.2 Supply/ return air grills

Grills shall be of extruded aluminium construction having concealed screws for fixing. These shall be duly powder coated in the shade approved by the architects.

The grills shall have horizontal bars at 15/30 deg. inclination on both sides and flanges on top and bottom. The grills at the end shall have flange on the side as well as per the site requirement. The size of main extruded section for flanges shall be minimum 15 x 15 mm and the louvers shall be 15 mm deep having thickness of 5 mm in the front and 2.8 mm at the rear.

TECHNICAL DATA**1.0 Split unit****1.1 General**

- a) Make/Model
- b) Type
- c) Dimensions(mm)
- d) Weight

1.2 Compressor

- a) Make/Model
- b) Refrigerant
- c) Operating parameters
- d) Dimensions
- e) Weight
- f) Electrical characteristics

1.3 Evaporator/condenser coils

- a) Quantity
- b) Face area
- c) Number of rows
- d) Coil velocity
- e) Fin material/ gauge
- f) Tube material/ dia/thickness

1.4 Air filters

- a) Material/ Make
- b) Velocity across filters
- c) Size
- d) Pressure drop

1.5 Evaporator and condenser fans/blowers

- a) Air quantity
- b) Type
- c) Speed(rpm)
- d) Voltage/ frequency
- e) Full load current

1.6 Evaporator and condenser blower/ fan motors

- a) Kw
- b) Type
- c) Electrical characteristics
- d) Speed(rpm)
- e) Full load current

- 1.7 Controls
 - a) Thermostat type/ make
 - b) Humidistat type / make
 - c) Timer
 - d) Expansion device
 - e) Safety devices
- 1.8 Accessories
 - a) Safety devices
 - b) Controls
 - c) Instruments
 - d) List of valves
 - e) Fan and drain pan insulation
- 2.0 TRANSFER AIR GRILLES
 - a) Make :
 - b) Material :
 - c) Gauge :
- 3.0 UNDER DECK INSULATION
 - a) Manufacturer's Name :
 - b) Material /Thickness :
 - c) Density Kg per Cmt. :
 - d) Thermal Conductivity
Kcal / Hr.Deg.C. :
 - e) Whether TF quality Yes/ No :

MODE OF MEASUREMENT :

A. TRANSFER AIR GRILLES - Width multiplied by height, excluding flanges.

B. PIPE / PIPE INSULATION

Measurement for uninsulated piping shall be made on the basis of linear measurement including all materials and labour for installed pipe. The linear rate per meter/ feet for each nominal diameter shall include all pipe fittings, flanges, unions, gaskets for joints , bolts and nuts, pipe supports and hangers, vibration isolation devices or suspenders, flexible connections and any other item required to complete the pipe installation except valves of any kind and strainers. The length of the pipe section with flanges shall be from flange face to flange face.

For fitting like bends, elbows, branches and tees etc. same principle of linear measurement as for pipe sections shall be adopted except for bends, the length of which shall be the average of the lengths of inner and outer periphery along the curvature.

TECHNICAL SPECIFICATION FOR LIFT

Platform Dimensions (usable area) : LR 900 - 1450 X 900 MM

Foot print Dimensions : LR 900 - 1890 X 1104 MM

Minimum shaft width : LR 900 - 1404 MM - A minimum of 150mm clearance must be maintained between the lift and any flank wall in accordance with BS 6440 1999

Shallow Ramp / Non Slip Floor : Ramp automatically folds when the lift is raised. Powder coated finish with non slip surface in approved colour & shade.

Easy to use internal controls : Up and down rocker switch, plus emergency stop button, hold to run operation.

Call stations : Upper call station wall, post or gate mounted, Lower call station wall or post mounted. A key switch to isolate the lift when not in use is available as an optional extra to prevent unauthorised use.

Manual Lowering : For use in the event of a power failure.

Concertina Blind : Fitted to underside of platform to discourage children and animals from hiding under the lift. Also acts as a guard against litter.

Safety Barrier or Interlocking Gate: All the upper level to be available.

Safe Working Load : 300 Kg

Maximum Travel : 1000mm

Lift Speed : 20mm per second

Drive System : Electro-hydraulic

Electrical Specification : Single Phase - Neutral Supply 230v AC 50HZ. 13 A supply

Safety Features : Platform & ramp safety sensitive devices as per standards. Manual emergency lowering.

Standards : BS 6440:1999 current or latest standard for Lifting Platform. Platform lifts must be tested in accordance with the European Directive and CE marked.

TECHNICAL SPECIFICATION FOR FLAP BARRIERS

1. Framework : 316 Grade Stainless Steel
2. Thickness of ply : 1.5mm
3. Material of swing gates : Organic glass; Color: transparent
4. Shell' size : 1400*300*990mm (Standard)
5. Length of swing gates : 230mm (Standard)
6. Passage Width : 550mm (Default)
7. Finish : Brushed surface (default)
8. Power Voltage : AC220V / AC85~260V
9. Operation Voltage : DC24V
10. Operation Current : 3A/5A (Max)
11. Driven Motor : Brushless DC motor
12. Communication Interface : RS485 (One) / RS232 (Three); Available to CAN BUS and Ethernet
13. Control IN/OUT : 6 channels relay out / 4 channels level; input / 2 channels wiegand input
14. Transit speed : 30-45 persons per minute
15. Temperature : -20 #C degree to 60 #C
16. Emergency and Traffic-light function
17. Warranty : 1-year free guarantee

LIST of APPROVED MAKES / MANUFACTURERS

S. No.	Material	Approved Makes
I. EXTERNAL FAÇADE WORK		
1.	Glass for structural glazing work:	AIS(formerly Glaverbal) (Belgium) / SAINT GOBAIN/Asahi/Modi Float / Guardian/Emirates/PILIKINGTON
2.	Aluminum Extrusions:	HINDALCO /INDAL/ JINDAL
3.	Stainless Steel:	SALEM STEEL (SAIL) / JINDAL /
4.	Neoprene/EPDM:	HANU/ASP/MONA
5.	Expansion Anchor Fastners:	CANON/M10/Hilti/Fisher (SS Grade 316)
6.	Chemical Anchors:	HILTI/FISHER
7.	Bolts/Screws/Washers/Rivets:	CANON/KUNDAN/ARROW (SS 304

S. No.	Material	Approved Makes
		GRADE)
8.	Structural Sealant:	DOW CORNING/GE/WACKER
9.	Weather Sealant:	DOW CORNING/GE/WACKER
10.	Double sided tape:	NORTON, 3M, VIVA
11.	Patch Fittings:	OZONE, NEXIA, GOLDEN, DORMA, HAFELE
12.	Insulation:	TWIGA / LLOYDS / ROCKWOOL
13.	Powder Coating:	POWDER COATER/RADIANT COATER/AKZONOBLE/RAIL
14.	Stainless steel screws for fabrication and fixing of windows:	CANON / KUNDAN / ARROW (SS 304 GRADE)
15.	Stainless steel pressure plate screw:	KUNDAN/PUJA/ATUL
16.	Backer rod:	SUPREME INDUSTRIES LTD./ROOFSIL
17.	Door handle :	CLOSMA/HETTICH/HAFELE
18.	Aluminium Composite Panel:	ALUCOMAT/FUJI BOND/ALU DÉCOR/ALUCO BOND/EUROBOND
19.	UPVC Windows:	ASAHI/FENESTA/ENCRAFT
20.	Texture Coating:	SKK/VALL PAINT
21.	Fiber Glass Work U.P.:	Twiga Fiber Glass Limited/Lloyds Insulations
22.	Rock Wool:	Vetrotex Ind./Lloyds Insulations
23.	Spacer Taps:	Norton or approved equivalent.
24.	PVDF Coating:	Duranar, PPG or approved equivalent
25.	ZINC CLADDING:	Legsa / VMZINC/ Cinkarna
26.	Customised Aluminium building facade and metal columns for plantation:	AKFD Studio

II. CIVIL WORK

1.	Gray Cement:	ACC / Ultratech / Ambuja
2.	White Cement:	J.K. WHITE / BIRLA WHITE / ACC
3.	Bricks:	Best quality available
4.	Reinforcement:	SAIL / TISCO
5.	Structural steel:	SAIL / TISCO
6.	Vitrified / Ceramic slabs:	REFFIN/NEOLITH or as specified in item description
7.	Vendor for Granite polishing:	GRAAVAA / PRP GRANITES/ GEM GRANITES
8.	Adhesive for fixing Tiles:	PIDILITE/BAL ENDURA /UNITILE/LATICRETE/FERROUSCRETE
9.	Grout for Tiles:	LATICRETE / FERROUSCRETE
10.	Access Raised Floor:	UNI FLOOR / UNI FLAIR / MICROTAC
11.	Grout for granite stone:	LATICRETE / FERROUS CRETE
12.	Flush doors IS : 2202 Certified Part -I (32mm , 35mm, 38 MM & 40 MM thick):	GREEN / CENTURY / DURO
13.	Acoustic cum Fire check Doors:	GLOBAL/ NAVAIR/ SUKRITI OR EQUIVALENT
14.	Mirror:	SAINT GOBAIN /MODI / ASAHI
15.	Solid Acrylic Granite:	HANEX / CORIAN
16.	P.O.P.:	SHRIRAM / JK/ SUPREME
17.	Textured Wall coating:	SKK or approved equivalent
18.	Plastic Emulsion:	DULUX / BERGER / ASIAN PAINTS
19.	Synthetic Enamel Paint:	DULUX / BERGER / ASIAN PAINTS

III. FURNISHING

1.	G. I. Steel section for false ceiling	SAINT GOBIN INDIA GYPSUM / LAFARGE
----	---------------------------------------	------------------------------------

S. No.	Material	Approved Makes
	/ partitions:	BORAL GYPSUM INDIA
2.	MR Gypsum Board 12.5 mm thick fire line board):	SAINT GOBIN INDIA GYPSUM / LAFARGE BORAL GYPSUM INDIA
3.	BWR Grade P F Block Board/Marine ply:	REEN/ CENTURY/ DURO / ARCHIDPLY/ KAJARIA
4.	BWP / BWR Commercial Ply:	GREEN/CENTURY/DURO/ARCHIDPLY/ KAJARIA
5.	Flexi Ply (8mm , 12mm):	GREEN/CENTURY/KAJARIA
6.	Decorative Laminate (1.0mm/0.8mm/0.6mm):	GREENLAM/MERINO/NEW MIKA/CENTURY/ EXTRA ORDINAIRE
7.	Metallic Laminate:	METLAM / GREENLAM
8.	Laquered Glass:	SAINT GOBAIN , ASAHI GLASS
9.	Vinyl Glass Films (Frosted Crystal):	GARWARE POLYESTER LTD/3M SCOTCHCAL ELECTRO CUT CRYSTAL FILM / ILLUMAR
10.	High Performance Coated Films:	3M SCOTCHCAL ELECTRO CUT CRYSTAL FILM/GARWARE POLYESTER LTD
11.	MDF Board Exterior grade:	GREEN PANEL MAX / ACTION TESA
12.	Decorative Veneer IS:1328:1996 (0.5mm thick straight Grain veneer melamine pressed 3.0mm ply one side):	GREEN / DURO / CENTURY / VENTURA ENTERPRISES / DECODUR
13.	Carpet:	FLOTEX / EGE
14.	TURF:	BIZZARE / EGE
15.	Post Forming / Post Formed Laminated boards:	MERINO / FORMICA
16.	Adhesive IS -4835 - 1979 Certified	
	For wood:	CENTURY SH/FEVICOL/VEMICOL
	For Foam:	CENTURY SR / DUNLOP
17.	HARDWARE	
	Patch Fitting:	DORMA / STREMLER / HAFELE
	Concealed Door Closer:	DORMA / STREMLER / HAFELE
	Floor spring (Certified IS 3564):	HETTICH / HAFELE / DORMA
	Multipurpose locks:	HETTICH / HAFELE
	Handles for door, lock body, cylinder etc:	HETTICH / HAFELE / DORMA
	Handles for storage:	HETTICH/HAFELE
	S.S. Hinges with ball bearing for doors only:	HETTICH / DORMA / HAFELE
	Drawer Slides - Bottom mounted type:	HETTICH INDIA / HEFELE
	Patch lock:	DORMA / HAFELE
	Concealed tower bolts:	DORMA / HAFFWELE / HETTICH
	Anchor Fastners:	FISCHER / HILTI
18.	Dash fasteners/ Anchor:	FISCHER / HILTI /CANNON
19.	Melamine / Polyurethane Coating & Acrylic coating for Wood IS 9002 Certified:	SIRCA / SKK / MONOCOAT
20.	Fire Retardant paint:	NAVAIR INTERNATIONAL / BALAJI FIRE PROTECTION
21.	Chairs:	HAWORTH/HERMAN MILLER/VITRA/GODREJ
22.	Key Board Drawer (Metal) -Prefab Metallic:	INNOFITT SYSTEM/ HETTICH
23.	Stainless Steel (Grade 304):	SAIL / JINDAL
24.	Ceramic Steel Writing Board:	WHITEMARK / WHITE STAR DISPLAY

S. No.	Material	Approved Makes
		SYSTEM
25.	Acrylic Sheet:	MONACRYL ACRYPLEX
26.	Mineral wool (blanket form):	ROCKWOOL / LLOYDS / UP TWIGA
27.	High performance Films:	3M / GARWARE
28.	Exterior Wood cladding:	FUNDERMAX or approved equivalent.
29.	Glass Wool:	UP TWIGA/OWENS CORNING/LLOYDS
30.	Aluminium Sections:	HINDALCO/INDAL (Indian Aluminium Co. Ltd.)/JINDAL
31.	Silicon Sealant:	WACKER / DOW CORNING / GE BAYERS
32.	EPDM Acoustical/Fire Seal:	ENVIROSEAL / APPROVED EQUIVALENT
33.	Gate Automation sytem:	GEZE / CAME
34.	Restroom cubicles, Urinal modesty panel:	MERINO / GREEN/ DORMA
35.	Fibre Cement Board:	BISON / VIROC / EVEREST
36.	Sisal weaved carpet:	EXTRAWEAVE
37.	Foot matt:	3M
38.	Multiwall PVC Panels:	LEXAN OR EQUIVALENT
39.	Tesile Fabric with 10:	FERRARI OR EQUIVALENT
40.	Moss Grass years warranty:	NORDGRONA
IV. PLUMBING WORKS		
1.	Vitreous China Sanitaryware (1st class quality):	Kohler/Hindwar /Cotto/Parryware Rocca/Toto
2.	Concealed Cistern:	Kohler/ Hindware / Gebereit
3.	C.P fittings:	Kohler/Jaquar /Hindware/Marc
4.	C.P Bottle Trap:	Kohler/Marc/ Jaquar
5.	Stainless Steel Sink:	Neelkanth/Hindware/Nirali
6.	Bath Room C.P accessories:	Kohler/Jaquar
7.	Health Faucet (With S/S):	Kohler/Jaquar
8.	G.I. pipes (Up to 150 mm dia):	Jindal Hissar/TATA/ Prakash Surya
9.	M.S Pipes:	Jindal Hissar/TATA/Prakash Surya
10.	Cast Iron Pipes & fittings:	Hepco/Neco/BIC
11.	Sand Cast Iron Pipes & fittings:	Hepco/Neco/BIC
12.	UPVC pipes:	Prince /Supreme/Astral
13.	CPVC pipes:	ASTRAL / ASHIRWAD
14.	G.I.Fittings (Malleable):	UNIK / KENT/DRP
15.	G.I./ M.S Forged Steel fittings IS:1239 (Part-II):	VS / DRP / True Forge / Simless
16.	Cast iron LA pipes:	Kesoram / Tisco / Electrosteel
17.	C.I. fittings:	NEEL / Kartar
18.	Gunmetal Valve (Fullway valve)	
	(a) Class-I:	Zoloto / Leader / Sant/Kartar
	(b) Class-II:	Leader / Sant/Kartar
19.	Ball valve:	Zoloto / Leader/Kartar
20.	Butterfly Valve:	Audco / KSB / Castle / Inter Valve/Sant
21.	Air Release Valve:	Kirloskar / IVC / RBM
22.	C.I double flanged sluice valve:	Kirloskar / Leader
23.	C.I Disk Type non return valves (65mm dia and above– Dual plate type):	Kirloskar/Leader/Inter Valve/KSB
24.	Float valve (gunmetal) upto 40mm:	Zoloto / Leader / Sant
25.	Float valve (C.I) 50mm and above:	Zoloto / Leader / Sant / Sarker
26.	C.I Manhole cover:	NECO / SKF
27.	SFRC Manhole Cover & Gratings:	KK Or Equivalent

S. No.	Material	Approved Makes
28.	Plastic Encapsulated Foot Rest:	KGM Or Equivalent
29.	Grating for Floor Trap & Floor Drain:	Vijay / GMGR
30.	C.I Strainer more than 65mm dia:	Leader / Kartar
31.	Insulation	
	a) For Internal:	Super Cera / Kaiflex
	b) For External:	Pykote / Makpolykote
32.	Fire Sealent:	Hilti, Promat, Birla 3M
V. HVAC WORKS		
1.	Non-Ductable Split Units:	Voltas/Bluestar/Carrier/Daikin
2.	Pipe Insulation (Fiber Glass):	Owens Corning / UP Twig
	Buried Pipe Insulation (Expanded Polystyrene):	Beardsell
	Duct Insulation (Closed Cell Polyethylene):	Supreme/Trocellen/Pilon
	Duct Acoustic Lining (Open Cell):	Owens Corning / UP Twig
3.	Redoxide, Zinc Chromate Primer:	ICI / Berger
4.	CPRX:	Shalimar / Berger / Asian
5.	Dash Fasteners:	Cannon / Chetak
6.	Extruded Aluminum Section:	Mahavir / Jindal
7.	G.I./Aluminum Sheets:	Bhushan/ Sail/ Nippon/ Jindal/Tata
HVAC RELATED ELECTRICAL WORKS:		
1.	Motors:	Siemens/ABB/Crompton/Bharat Bijlee
2.	Filters (Synthetic):	Purolator/Unidyne/Thermadyne/ Puromatic / Spectrum
3.	Motor Control Panel:	Cadilec/Trinitron/ Adlec/ Tricolite
4.	Starters/Contactor/Push Button:	Siemens/Merlin Gerin / Larsen & Toubro/ABB
5.	MCCB/MCB:	Siemens/Larsen & Toubro/Merlin Gerin/ABB
6.	Overload relays with built in single Preventer:	Siemens/ ABB/Larsen & Tuobro/ Schneider Electric
7.	Power Cables:	Skytone/Universal/Gloster/Polycab/ Havells
8.	Control Cables:	Skytone/Universal/Finolex/Polycab
VI. ELECTRICAL & ALLIED WORKS		
1.	HRC SWITCHES AND FUSES:	L&T, SIEMENS, SCHNEIDER
2.	AIR CIRCUIT BREAKERS:	L&T- U-POWER-URN2.5GC, SIEMENS-3WL - 45B+E+Z+C+D+M , MERLIN GERIN-NW RANGE-6A+C , LEGRAND
3.	MOULDED CASE CIRCUIT BREAKER:	L&T- DSINE RANGE, MERLIN GERIN-NSX RANGE, SIEMENS- VL / LEGRAND
4.	LT PANELS & LT BOARDS,BUS DUCT:	JAKSON(NOIDA), JASPER, ISHANG LIGHTING
5.	COPPER CONDUCTOR 660/1100 VOLT GRADE:	BONTON, ESC, PROFLEX FRLS/ PVC WIRES ISI,TELEPHONE, COAXIAL : RR CABELS, NATIONAL LAPP CABLES, PAGODA, SKYTONE, L&T
6.	COAXIAL CABLE:	SKYTONE, BONTON , LAPP KABLES , RR KABELS, ESC, PAGODA
7.	MS CONDUIT ISI:	BEC , STEELCRAFT
8.	MS CONDUIT ACSSORIES:	SHARMA, RAMA, MK
9.	PHENOLAMIC LAMINATED SHEET (WHITE) ISI:	HYLAM, FORMICA, GREEN LAM
10.	UNDER FLOOR TRUNKING:	SCHNEIDER, GLOBAL, M.K NOVAR,

S. No.	Material	Approved Makes
		LEGRAND
11.	UNDER FLOOR TRUNKING BOXES:	SCHNEIDER, APPLICAM, M.K NOVAR
12.	CABLE MANAGEMENT PLASTIC:	NOVAR -MK, LEGRAND
13.	MCB/MCB-DB/INDUSTRIAL SOCKETS & ACCESSORIES:	L&T(HAGER), MDS (LEGRAND)-LEXIC, MG-MULT-9
14.	RCCB:	L&T(HAGER), MDS (LEGRAND)-LEXIC, MG-MULT-9
15.	MODULAR SWITCH, SOCKET, STEPPED FAN:	LEGRAND- MOSSAIC
	REGULATOR, COVER & GRID PLATE ELECTRO:	CRABTREE PICADELLY
	PLATED BOX, TV, TELEPHONE SOCKET & OTHER ACCESSORIES:	MK- WRAP AROUND
16.	CEILING FANS:	ORIENT, USHA, CROMPTON / BAJAJ
17.	EXHAUST FANS:	ALMONARD, CROMPTON, USHA
18.	EXHAUST FANS- DECORATIVE TYPE:	NUTEK, BAJAJ, USHA
19.	LIGHT FIXTURES:	BAJAJ, REGENT, PHILIPS, WIPRO
20.	AVIATION OBSTRUCTION LIGHT:	BAJAJ, PHILIPS, WIPRO
21.	LT 1100 VOLT GRADE ALUMINIUM/COPPER:	SKYTONE
	CONDUCTOR XLPE INSULATED:	GEMSCAB
	ARMOURED/UNARMOURED CABLES:	KEI, CABLE CORPRATION OF INDIA
22.	CABLE GLANDS:	COMMET, HMI, PEECO
23.	CABLE TRAY:	METALIC PRODUCTS, VENUS, RICO
24.	AMETER,VOLT METER & OTHER METER,CTs,:	A.E., RISHLINE (L & T), SCHNEIDER, MECO, RISHABH, NIPPON
25.	PUSH BUTTON,INDICATING LIGHT SELECTOR:	L&T
	SWITCHES, TIMERS:	SIEMENS, SHENIEDER, RASS CONTROL, BCH
26.	RELAYS:	L&T, ABB, ALSTOM, SCHNIEDER, CSPC
27.	CAPACITORS (MPPH or equivalent) & APFC RELAY:	L&T, EPCOS,SCHNIEDER
28.	CONTACTORS:	L&T, MERLIN GERIN (TELEMECANIQUE), SIEMENS, ABB
29.	MOTOR PROTECTION CIRCUIT BREAKER:	L&T, MERLIN GERIN (TELEMECANIQUE), ABB
30.	THIMBLES/LUGS:	DOWELLS, ASIATIC, ACTION
31.	DECORATIVE LIGHT FIXTURES:	INTERCRAFT, NOVA, ARTLITE
32.	PVC CONDUIT & ACCESSORIES- ISI MARKE:	POLYPACK, ATUL (DELHI), PRECISION
33.	MS & GI PIPE:	JINDAL-HISSAR, SURYA PRAKASH
34.	LAMPS:	OSRAM, PHILIPS
35.	WEATHER PROOF JUNCTION BOXES:	C & S, HENSEL
36.	CONNECTORS/TERMINALS:	WAGO, ELEMEX, PHOENIX
37.	4-PAIR UTP CABLE CAT.6, INFORMATION OUTLETS:	LEGRAND
	PATCH PANEL , PATCH CORDS:	BELDON / TYCO, SYSTIMAX
38.	6-CORE MULTIMODE FIBERS, CONNECTORS:	LEGRAND

S. No.	Material	Approved Makes
	JOINTS, PATCH CORDS, PIGTAILS:	BELDON, TYCO, SYSTIMAX
39.	L I U / DRAWER:	LEGRAND, BELDON, TYCO, SYSTIMAX
40.	CABINETS & RACKS:	APWPRESIDENT, LEGRAND, RITTAL
VII. ACCESS CONTROL		
1.	FLAP BARRIER:	CAME, GEZE, TURNSTAR
2.	PNEUMATIC BOLLARDS:	CAME, GEZE, TURNSTAR
3.	AUTOMATIC SLIDING SYSTEM:	CAME, GEZE, TURNSTAR
VIII. PLATFORM LIFT:		SAHIBA STARLIFTS, TERRY OR ANY APPROVED EQUIVALENT

A. Following terms and expressions shall have the meaning hereby assigned to them unless the context otherwise requires:

a. Completion Certificate: Shall mean the certificate to be issued by Engineer in charge when the works has been completed in accordance with the contracts documents to the satisfaction of Engineer In-charge.

b. Final certificate: Mean the certificate regarding the satisfactory compliance of various provision of the contract by the contractor issued by Engineer In-charge/company after the period of defect liability is over.

c. Defect liability period: Mean the specified period from the date of completion certificate upto the date of issue of final certificate during which the contractor stands responsible for rectifying all defects that may appear in the works executed by the contractor in pursuance of the contract and includes warranties against manufacturing/ fabrication/ erection/ construction defects covering all materials plants, equipment, components and the like supplied by the contractor, works executed lacks workmanship.

B. A Hindrance Register shall be maintained in the enclosed Format to record all hindrances encountered during execution of works against the contract. The items of work affected due to any hindrance shall be clearly recorded in the Hindrance Register and the Engineer-in-charge of the Company as well as the site representative of the Contractor will sign on the register against the recorded hindrance. In case of encountering multiple hindrances simultaneously over a period of time affecting the same item or different items, the net period of hindrance will be worked out considering the overlapping period.

(END OF SECTION-V)

BIDDING FORMAT (PRICE BID)					
Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
10	<p>"Dismantling/Demolishing and removing the following in locations as earmarked to accommodate the proposed new layout. Disposal of dismantled material to a place permitted by the municipal authorities including making good any damages done to the structure complete. No dismantled material will be allowed to be accumulated at site the rates shall be for all leads & lifts. Neatly Stacking the serviceable material at a place permitted by the engineer-in-charge.</p> <p>i) Existing MS Gate and Guard room ii) Entrance steps, ramp, planters, railing etc. including canopy complete iii) Existing light fixtures in reception, auditorium, triple height atrium iv) Existing false ceiling wall panelling, cladding, flooring etc. complete including some aluminium windows, doors etc. complete in Reception, Auditorium and false Ceiling of triple height Atrium v) Existing ducting in reception & auditorium. vi) Existing aluminium composite panelling on façade. vii) Dismantling brickwork including aluminium windows in pantry & staff room. viii) Existing boom barriers ix) Existing 2 nos. flap barriers x) Existing surface finish till bare slab on RCC Slab of L-Shaped porch at the main entrance.</p> <p>All dismantling to be complete as per drawings, approvals and instructions of the Engineer-in-charge. The bidder should visit the site and assess himself the actual quantum of work before quoting the rate. Bidder is required to submit the signed copy of certificate of site inspection alongwith the tender document.</p>	LUMPSUM	1.00		0.00
20	"Entrance Canopy M.S. structure: Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel priming coat of approved steel primer all complete."	KILOGRAM	600.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
30	<p>"Canopy Roofing : Supply and fixing of ZINC Titanium Roofing 25/430 STANDING SEAM ROOFING SYSTEM IN 0.7 mm THICK Zinc Titanium Alloy comprising of the following layers. Approved Zinc Titanium Sheets make : Ieqsa/VMZINC/Cinkarna</p> <p>Top layer – Zinc titanium standing seam profiled panels 25 /430 (25 mm seam height & 430 mm panel width) manufactured from zinc titanium alloy finish in 0.7 mm minimum thickness .The material properties shall be as follows:Ultimate tensile strength: minimum 150 N/mm²,0.2% Proof Stress: min 100 N/mm², Modulus of elasticity: 90,000 N/mm² Panels shall be fixed to the substructure using Stainelss Steel clips fixing & sliding clips of suitable height with spacing as required for the wind loads. The roofing sheets shall be as per EN 988 standards .The zinc manufacturer & Installation agency shall have all the required machines / tools & design assistance to Execute the Project & shall have completed Projects of zinc titanium cladding in India."</p> <p>The panels shall have natural preweathered light gray zinc patina finish or as approved by architect. The zinc roof sheets shall have a protection on its underside consisting of a 60 micron thick composite acrylate-urethane protective coating.</p> <p>Second Layer :Anti Abrasive membrane to be laid underneath the roofing sheets.</p> <p>Third Layer : 1.0 mm thick GI strips to placed at distance of 430 mm for fixing of clips</p> <p>Fourth Layer 0.47mm TCT Hi-Tensile steel sheets profile with nominal 3.5 mm deep ribs at pitch of nominal 48 mm centre to centre distance 550 MPa Yield Strength.The decking sheet shall be fixed over the glavised steel Hat Section using appropriate screws /rivets."</p>	SQUARE METER	150.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
40	<p>"ZINC TITANIUM WALL SOLID CLADDING : Top Layer: ZINC titanium adeka cladding tiles system (thickness: 0.65mm or better) of 400 mm X 400 mm pre-formed lozenge shaped elements with unique locking key arrangement in Pigmento Red Aspect. The pigment finish to be achieved using mineral pigments on the surface of zinc fixed with 20 micron of polyurethane resin . The tiles shall have Polystyrene backer board: The tiles to be fixed using SS screws to the continuous Decking GI Sheet The roofing sheets shall be as per EN 988 standards .The zinc manufacturer & Installation agency shall have all the required machines / tools & design assistance to Execute the Project & shall have completed Projects of zinc titanium cladding in India.</p> <p>Second Layer : Liner Sheet: Profiled sheet 1110 mm effective cover width profile with nominal 3.5 mm deep ribs at pitch of nominal 48 mm centre to centre distance. The feed material is manufactured out of bare Galvalume sheet of nominal 0.45 mm base metal thickness (BMT), high tensile steel with min 550 Mpa yield strength</p> <p>Third Layer : 25 mm X 50 mm Aluminium Box section tp be fixed over plastered wall/Main Substructure</p> <p>Accessories: The screws/ Rivets of adequate size will be used so hold the tiles and for fixing the Rib Sheet. Approved Zinc Titanium Sheets make : Ieqsa/VMZINC/Cinkarna "</p> <p>Note : For zinc Titanium wall cladding manufacturer / agency to be hired by the main vendor for execution of work should have relevant experience and sufficient resources including machine and tools and the main contractor should submit the documentary proofs in support of the same such as work order, completion certificates for successful completion of the project done previously in India alongwith details of machinery / tools and tackles available with him.</p>	SQUARE METER	1,400.00		0.00
50	Supply & fixing of 0.7 mm zinc flashing in the same finish as the cladding finish for top, bottom, sill, jamb, drip,etc as required for site detailing	METER	650.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
60	<p>"PERFORATED ZINC TITANIUM CLADDING : Supply, & Installation of ZINC Titanium Interlocking wall cladding panels in preweathered Quartz Finish.The wall cladding system shall comprise of the following described VMZINC 1 mm interlocking panels of 300 mm width and max 2000 mm length.Exact length shall be decided after on site dimensions / GFC Drawings. Panels are formed with interlocking lap at panel edges and smooth, flat pan; designed to be field assembled in sequential installation by engaging edges of each panel to edge of adjacent panel. Panels are attached to supports/substrates using stainless screws located under edges of the panels The Panels Shall be Installed over the AL box Section of 25 mm X 50 mm usingf Screws/ Rivets of suitable size as recommended by manufacturer . The roofing sheets shall be as per EN 988 standards. THE zinc manufacturer & Installation agency shall have all the required machines / tools & design assistance to Execute the Project & shall have completed Projects of zinc titanium cladding in India . Approved Zinc Titanium Sheets make : Ieqsa/VMZINC/Cinkarna</p> <p>Perforation : Custom CNC punching as per approved drawings . Circular perforation of varying diameters shall be done as per approved drawings to meet the façade intent .</p> <p>Physical characteristics of pre-weathered zinc sheets:</p> <p>(i) Density: 7.2kg/dm³</p> <p>(ii) Thermal expansion coefficient: 0.022 mm/m x °C</p> <p>(iii) Melting point: 420 °C</p> <p>(iv) Re-crystallization point: 300 °c</p> <p>(v) Heat conductivity: 110 W/ (m.K)</p> <p>(vi) Electrical conductivity: 17Ms/m</p> <p>Second Layer : 25 mm X 50 mm Aluminium Box section tp be fixed over plastered wall/Main Substructure "</p>	SQUARE METER	690.00		0.00
70	Supply & fixing of 0.7 mm zinc flashing in the same finish as the cladding finish for top, bootm, sill, jamb, drip,etc as required for site detailing	METER	990.00		0.00
80	MS STRUCTURE FOR PERFORATED FACADE : Supply, fabrication and installation of MS frames works of MS RHS / angle of 50mmx100mmx 4 mm thk in vertical & horizontal forms at every 1000 for supporting the zinc cladding fixed with brackets to RCC structure behind made of MS plates in sizes as per approved shop drawings coated with red oxide and 1 coat of epoxy protective exterior coating as per IS Standards and specifications.	KILOGRAM	500.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
90	"Aluminium Composite Work : Providing & Fixing of 4mm thick Aluminum Composite Panel (Exterior grade) cladding with Aluminum skin thickness of 0.5 mm on both side having 30 micron PVDF coating in front side and Polyester coating on back, of Aludecor or approved equivalent with the 25 x 50 mm Aluminium extruded Rectangular tube frame work as per drawing enclosed to the structure to the correct alignment on façade, to the required sizes as per approved drawing & design duly mounted on GI cleat including Labour charges, cutting, fabricating, provision for drainage system bending, necessary screws, small fixtures which will be attached to the fabricated panels and anchor fasteners wherever necessary and filling black silicon etc. complete in all respect as per approval of Engineer-in-charge."	SQUARE METER	70.00		0.00
100	Providing and fixing Stainless steel sections to existing balustrades suitable for placing planters.	KILOGRAM	50.00		0.00
110	Providing and fixing aluminium doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, providing & fixing glazing with EPDM rubber / neoprene gasket etc. with float glass panes of 8mm thickness and necessary hardwares hinges, handles etc. All complete as per architectural drawings and the directions of Engineer-in-charge.	SQUARE METER	25.00		0.00
120	Providing and fixing stainless steel (Grade 304) main gate made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with suitable arrangement SS wheels with self lubricating pin, Teflan fluid rollers as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as rollers etc.).	KILOGRAM	200.00		0.00
130	Supply installation & commisioning of automatic sliding system for Stainless steel gate ref. CAME cat no. CAME BK-800 or approved equivalent including safety sensor, galvanized toothed rack, flashing light, wireless remote with transmitter and receiver.	EACH	1.00		0.00
140	Supply, installation & commisioning of set of 5 high security DOS K4 tested & certified pneumatic bollards (Urbaco cat. BPCLPF 90) complete with U200 control pneumatic compressor, bi-channel loop detector, set of inductive loops, remote and receiver complete in all respects.	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
150	Supply and installation of Single Lane Flap Barrier - Framework: 316 Grade Stainless Steel, Thickness Of ply: 1.5, Material of swing gates: 304 Grade Stainless, Power Voltage: AC220V/AC85-260V" (Ref. Came Model CPW-331TA or approved equivalent). All complete including wiring and amalgamation with existing system.	LUMPSUM	2.00		0.00
160	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	SQUARE METER	4,000.00		0.00
170	Supply & installation of following : a) Customised building corner façade elements. Aluminium elements shall be custom designed, interlockable in a modular fashion as per existing shape and size of the hexagonal columns. Few of the customized elements shall be perforated to act as light elements. It shall be finished in PVDF Coating (2 coats of PVDF-AAMA 2605 Grade). Item to include necessary fixing hardware as required complete in all respects. b) Customized cast aluminium custom designed trellis fixed to column spreading from floor to ceiling as per design intent.	SQUARE METER	180.00		0.00
180	Earth work in excavation in all kinds of soils by mechanical means / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sq m on plan) including dressing of sides and ramming of bottom including getting out the excavated soil and disposal of surplus excavated soils as directed.	CUBIC METER	25.00		0.00
190	"Excavating trenches of required width for pipes cables etc. in all kinds of soil including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed. Pipes, cables etc. not exceeding 80mm dia"	METER	25.00		0.00
200	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering.	CUBIC METER	20.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
210	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	CUBIC METER	38.00		0.00
220	Providing, diluting as per specifications and injecting chemical emulsion for pre-constructional anti-termite treatment. Creating a chemical barrier under wall trenches, top surface of plinth filling, under raft & concrete foundation, junction of wall and floor along the external perimeter of building, expansion joints, surroundings of pipes and conduits etc., complete. The rates to be based on detailed specifications. (Plinth area of building at ground floor shall be measured). CHLOROPYRIPHOS 20 EC emulsifiable concentrates 1%.	SQUARE METER	150.00		0.00
230	"Providing and laying in position plain cement concrete of specified grade excluding the cost of centering and shuttering. All works upto plinth level : 1:2:4(1 cement ,2 coarse sand, 4 graded stone aggregate 20mm nominal size)"	CUBIC METER	8.00		0.00
240	"Providing and laying in position plain cement concrete of specified grade excluding the cost of centering and shuttering. All works upto plinth level : 1:4:8(1 cement ,4 coarse sand, 8 graded stone aggregate 40mm nominal size)"	SQUARE METER	5.00		0.00
250	Providing & laying damp-proof course 40mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	SQUARE METER	5.00		0.00
260	Extra for providing and mixing water proofing material in cement concrete work @ 1 Kg per 50 Kg of cement.	BAG	20.00		0.00
270	Applying a coat of residual petroleum bitumen of penetration 80 / 100 of approved quality using 1.7 Kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	SQUARE METER	5.00		0.00
280	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm bed by dry brick ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	SQUARE METER	12.00		0.00
290	"Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement. 1:1.5 : 3 (1 cement ,1.5 coarse sand, 3 graded stone aggregate 20mm nominal size)"	CUBIC METER	15.00		0.00
300	Centering and shuttering including strutting , propping etc and removal of form work for Foundations, footings, bases of columns, etc. For mass concrete, window sills, copings, cornices etc.	SQUARE METER	25.00		0.00
310	Centering and shuttering including strutting , propping etc and removal of form work for Lintels, beams, plinth beams, girders, and cantilevers.	SQUARE METER	35.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
320	"Reinforcement for RCC work including straightening, cutting, bending, & placing in position and binding all complete. Thermo-Mechanically Treated bars"	KILOGRAM	100.00		0.00
330	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a primer coat of approved steel primer all complete.	KILOGRAM	2,000.00		0.00
340	Structural steel work riveted, bolted or welded in built up sections, trusses and frame work, platforms , stringers, treads, landings etc. of staircases including use of chequered plate wherever required, all complete including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer complete in all respects.	KILOGRAM	3,000.00		0.00
350	Brick work with bricks of class designation 7.5 in cement mortar in super structure in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand).	CUBIC METER	360.00		0.00
360	Providing half brick masonry with brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in super structure as per dwgs & directed by EIC all complete as per specifications including placing in position 2 nos 6 dia MS bars at every third course in half brick masonry work.	SQUARE METER	20.00		0.00
370	Extra for providing and placing in position 2 nos 6mm dia MS bars at every third course in half brick / AAC blocks masonry work.	SQUARE METER	20.00		0.00
380	Supplying, providing and lightly ramming light weight foam concrete under floors as per requirement. All complete as per approval and instructions of the Engineer-in-charge.	CUBIC METER	15.00		0.00
390	"Providing and laying between 25 to 50mm thick (av. 38mm) PCC of following ratio over slab /Foam concrete to make a uniform base for laying marble / granite / Tile flooring. All complete as per approval and instructions of the Engineer-in-charge. PCC 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 20mm nominal thickness)"	CUBIC METER	150.00		0.00
400	Providing and laying, mirror polished Natural stone / Italian marble (16mm minimum thickness) flooring as detailed in drawings & as per instructions of EIC, bedded over 20mm thk cement sand mortar of mix ratio 1:4 (1 cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 4.4 kg / sq. m over cleaned surface of cement sand mortar bed, cleaning, curing. Laying of stone to be as per instruction and approved methodology of manufacturer all complete to the full satisfaction of EIC. Item includes filling the grooves / joints with tanex & end joints / edges with cement ploymer grout of approved quality. Italian Marble - Persia Grey Leather finish. All complete as per drawing, approval and instructions of the Engineer-in-charge.	SQUARE METER	220.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
410	Providing and laying approved 15 - 17mm thk polished Natural Granite Tan Brown in skirting , treads and risers of steps in single length and on landings / floor as detailed in drawings and as per instructions of EIC, beded over 12 mm thk cement sand mortar of mix ratio 1:4 (1cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 3.3 kg / sq. m over cleaned surface, cleaning ,curing, laying of stone to be as per instruction and approved methodology of manufacturer all complete. Item includes filling the grooves / joints with pointing in white cement mixed with pigmnet of matching shade complete.	SQUARE METER	10.00		0.00
420	Providing and fixing 18mm thk pre textured machine cut Quartzite - Sarpajayanti Stone with two process finish-Sandblasted and aqua finish . stone in main entrance stairs laid over 20 mm thk base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding, the edge etc. complete at all levels. Item includes laying the stone in staircase on treads & Risers complete. Stone to be protected with two or more coats of Laticrete Maxisealer or approved equivalent.	SQUARE METER	120.00		0.00
430	Providing and fixing 15mm thk Italian stone - Premium grey polished finish in main stairs laid over 20 mm thk base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding, and polishing to edge to give high gloss finish etc. complete at all levels.	SQUARE METER	30.00		0.00
440	Extra for prefinished nosing to treads of Marble / granite stone.	METER	150.00		0.00
450	Providing and laying tile slabs in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints. Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Ref. Reffin cat. Arcedia of size 1500 x 750 & 9mm thickness (Dining room) Basic rate Rs 4330/- (+/-2%) per sqm	SQUARE METER	70.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
460	Providing and laying tile slabs in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints. Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Ref. cat. Reffin Silver Lucidato of size 1500 x 750 & 9mm thickness (Toilets) Basic Rate Rs 4330/- (+/-2%) per sqm	SQUARE METER	30.00		0.00
470	"Grinding and polishing existing floor as per following specifications : Grinding the floor using grit size 30 & 50 to remove uneven edges and roughness. Honing the floor to remove visible scratches by polishing the floor surface using diamond floor polishing pads of grit size 100 & 200. Subsequently polishing the floor using 400, 800, 1500. Buffing the floor to bring mirror like shine using finer grit size 3000. Finally sealing the floor using sealer of approved make. When use of machine for polishing by machines is not feasible or possible, rubbing & polishing shall be done by hand grinder or by hand in the same manner as specified."	SQUARE METER	100.00		0.00
480	"Providing & Fixing of Forbo Flotex Flocked floor covering in rolls in floor as per following specifications: Products should be installed with suitable adhesive as recommended by manufacture. Carpet shall be High Definition Print shade series having a density of 70 million fibres of nylon 6.6 per M2 , Fire Test EN-13501, Appearance Retention Hexapod ISO 140-8, Friction Slip Resistance Test EN 14041 Class DS, sanitized anti-microbial treatment with resilient waterproof backing ,anti allergic certified by British allergy foundation, anti static, thickness 4.3 mm and approximate weight of 1.8 k.g./sqm of roll form.Total Thickness as per ISO 1765 : 4.3 mm Roll width : 2.0 M Roll length : 30 M Dimensional stability as per ISO 2551 : <0.2% Slip Resistance as per DIN 51097 : >0.7 Dry and Wet Total weight as per ISO 8543 : 1.8 kg/M2 Light fastness as per EN ISO 105 B02 : 6 Commercial heavy as per EN 685 : Class 33 Reaction to fire as per EN 13501-1 : Bfl-s1. All complete as per drawing, approval and instructions of the Engineer-in-Charge."	SQUARE METER	190.00		0.00
490	"Providing & Fixing in position stepped floor as per following specifications: Frame Work : Frame work in steps as per design & level made out of 50x25mm 14 gauge MShollow section tubes duly welded together at 450- 600mm intervals as required on either sides with height difference as per levels, duly primered, painted & grouted in the floor neatly with cement concrete / anchor fastners. The outer surface should be in plumb and level to receive ply finish. Ply shall be paid for in the relevant item."	KILOGRAM	1,500.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
500	Providing and fixing first layer of 40mm thick fibre cement board on existing MS framework.	SQUARE METER	300.00		0.00
510	Providing and fixing second layer of 25mm thick BWR ply glued and screwed on horizontal & vertical surfaces on first layer as mentioned in above item to ultimately receive the final finish. Carpet shall be paid for in the relevant item.	SQUARE METER	360.00		0.00
520	Providing and fixing canadian wood - Western Hemlok moulding as per design intent in skirting, step risers etc. or as instructed elsewhere of approx finished size 150mm x 12mm. Woodwork protected with two coats of sealer and two coats of melamine polish. All complete as per specifications, design intent and instructions of the Architect.	METER	400.00		0.00
530	"Providing and placing in position Foot Mats cut to size and as per following specification: 3M Nomad Terra 9100 Z web Heavy Duty matt 11.4 mmthick and weight of 8.5 Kg/M2 made of durable, flexible open mesh structure of vinyl ribs, featuring a continuous Z-patterned surface. The matting should also pass flammability test as per ASTM D 2859 along with flooring radiant panel test as per ASTM- E-648 having NFPA Class 1 classification 0.45 watts/cm ² . 3M Nomad Aqua Carpet Matt 9 mm thick and weight of 4.1 Kg/M2 ,a looped-pile, carpet-type entryway matting .Matt with unique tufted construction with random pattern design.Matting should pass flammability test as per ASTM D 2859 along with flooring radiant panel test as per ASTM- E-648 having NFPA Class 1 classification at 0.45 watts/cm ² ."	SQUARE METER	10.00		0.00
540	"Providing and laying Artificial Turf Ref. Field turf Scape (FTS / EGE) specially produced multipurpose landscape grass with following specifications: Height - 1.5", Fiber weight - 18 ounces, dimensions - 15' x 125', colour - green, Primary backing - single, secondary backing - high quality Latex. Laying 6mm thick HDPE mesh on sub base. Laying turf, jointing as per manufacturers technical specifications & methodology, fibrillation & brushing with machine & spreading Silica sand @ 1.5 Kg. / Sq.ft. along with rubber granules @ 400 Gms per Sq. Ft. all over."	SQUARE METER	10.00		0.00
550	Providing and fixing anti skid brass strips on treads of approved section and specified distance. All complete as per instructions of the Engineer-in- charge.	KILOGRAM	300.00		0.00
560	"Providing and applying cement plaster. All complete as per approval and instructions of the Engineer-in-charge. 12mm cement plaster of mix 1 : 6 (1 cement : 6 coarse sand)."	SQUARE METER	250.00		0.00
570	"Providing and applying cement plaster. All complete as per approval and instructions of the Engineer-in-charge. 15mm thick cement plaster on the rough side of single or half brick wall of mix 1 : 6 (1 cement : 6 coarse sand)."	SQUARE METER	180.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
580	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1cement : 6 fine sand)	SQUARE METER	20.00		0.00
590	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	SQUARE METER	10.00		0.00
600	"Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish : With cement mortar 1:4 (1 cement : 4 fine sand)"	SQUARE METER	50.00		0.00
610	"Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish : With cement mortar 1:4 (1cement: 4 coarse sand)."	SQUARE METER	10.00		0.00
620	"Providing and laying Vitrified tiles in dado with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, including grouting of joints. Grouting the joints of wall tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Reffin cat Silver lucidato 1500 x 750mm of 9mm thickness on toilet walls. Basic rate Rs. 4330/- (+/-2%) per sqm"	SQUARE METER	110.00		0.00
630	"Providing and laying Vitrified tiles in dado with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, including grouting of joints. Grouting the joints of wall tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge. Neolith cat. Starata argentam of 3600 x 1200mm of thickness 3mm thickness on reception walls. Basic rate Rs. 4482/- (+/-2%) per sqm."	SQUARE METER	80.00		0.00
640	Providing & Applying Plaster of Paris putty over plastered surafce, leveling and smooth finishing the surface including sand papering the old surface etc. All complete as per approval and instructions of the Engineer – in - charge.	SQUARE METER	100.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
650	Providing and applying two or more coats of plastic emulsion paint (roller finish) of approved make and shade as per the manufacturer's specifications to give a smooth surface on new surface. All complete as per approval and instructions of the Engineer – in - charge.	SQUARE METER	50.00		0.00
660	Providing and applying on external / internal surface with texture coating of desired finish top coated with high performance water-repellent, breathable, low absorbent acrylic-silicon coating resin based environmental friendly water-based reactive type anti algae, anti-fungus, excellent abrasion resistance with tough 3-dimensional cross-linked siloxane-enhanced (Si-O-Si) molecular structure chemical cross-linking structure properties with application method of 1 coat of Selear(water base acrylic selear with excellent resistance to fungus growth and alkalinity) , 1 coat of Bellart/Taiyo, 2 coat of Compo Silicon. Texture application using compressor. External surface Basic rate of texture coating 1900/- (+/-2%) per sq.mtr. Entire area of wall shall be measured in single front plane.	SQUARE METER	150.00		0.00
670	Providing and applying on external / internal surface with texture coating of desired finish top coated with high performance water-repellent, breathable, low absorbent acrylic-silicon coating resin based environmental friendly water-based reactive type anti algae, anti-fungus, excellent abrasion resistance with tough 3-dimensional cross-linked siloxane-enhanced (Si-O-Si) molecular structure chemical cross-linking structure properties with application method of 1 coat of Selear(water base acrylic selear with excellent resistance to fungus growth and alkalinity) , 1 coat of Bellart/Taiyo, 2 coat of Compo Silicon. Texture application using compressor. Internal surface Basic rate of texture coating 2100/- (+/-2%) per sq.mtr. Entire area of wall shall be measured in single front plane.	SQUARE METER	100.00		0.00
680	Providing and laying, mirror polished Natural stone / Italian marble (min. 16mm thickness) in wall cladding as detailed in drawings and as per instructions of EIC, bedded over 12 mm thk cement sand mortar of mix ratio 1:4 (1cement : 4 coarse sand) including cleaning and preparing the surfaces for bedding by spreading neat slurry minimum cement about 3.3 kg / sq. m over cleaned surface and cement sand mortar bed, cleaning , curing, Laying of stone to be as per instruction and approved methodology of manufacturer all complete to the full satisfaction of EIC. Item includes filling the grooves / joints with tanex & end joints / edges with cement ploymer grout of approved quality. Basic rate of stone is Rs. 5000/- (+/-2%) excluding taxes and transportation.	SQUARE METER	35.00		0.00
690	Extra for laser / CNC cutting on stone as per approved design	SQUARE METER	35.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
700	Providing and fixing Fibre-reinforced concrete panels of 20mm thickness. Approx.size of panel shall be 2600 x 900 mm using chemical mortar.Concrete LCDA make cat. No. Penbeton Shui. Basic Rate of material will be Rs. 1,38,000/- (+/-2%) per panel.	SQUARE METER	20.00		0.00
710	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : In 75x75mm deep chase	METER	15.00		0.00
720	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1m x1m x400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete.	EACH	2.00		0.00
730	Providing and fixing 24 gauge and 18 mm mesh size chicken wire mesh at junction of concrete and brickwork and other locations at all heights including cutting to required size and side laps of minimum 75 mm and fixing in position with cement and nails as directed.	SQUARE METER	25.00		0.00
740	Grading roof for water proofing treatment on roof top with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	CUBIC METER	5.00		0.00
750	"Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge)."	METER	50.00		0.00
760	"Supply & intallation of pot based vertical garden as follows: Base made of frame having interlocking provision assembled by joining frames to the required size. Base suitably fixed to the existing water proofed wall surface / structural steel framework. The size of each frame measuring 6' width and 18''' length. The pots to be arranged in a cluster of three pots arranged vertically in plastic frame. Frames to be connected with each other to cover the required area. Aluminium Channel (size 2'''x1''') Framework for the Installation of Green wall, including cutting, hoisting, fixing in position. Item includes hoisting the frame to existing wall / beam / column / etc. using ms bracket and hilti fastners as per site requirment."	SQUARE METER	35.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
770	Ploughing or trenching of existing ground to a depth of 15-25cm and watering the same of all kind of soil. Supplying and stacking of good earth at site including royalty & carriage (earth measured in stack will be reduced by 20% for payment) Total top soil in plantation areas upto the depth of 20 cms. Ground Cover Plants: The rate includes for transportation to site, excavation of beds upto 0.3m depth. Filling with prepared manure soil in the ratio 1:2 (one part of sludge to two parts of good earth by volume). Flooding with water, dressing including removal or rubbish& surplus earth if any with all leads & lifts, planting& stacking in full & final location including all locations specified, supply & spraying of insecticides as required	SQUARE METER	45.00		0.00
780	Self watering planters for railing. Supply of fibreglass reinforced polymer based flower pots (size 8"x8"x3') equipped with self watering mechanism which includes double walled structure with a water level gauge (mechanical & Analog) without media & permeable membrane	METER	15.00		0.00
790	"Plants for Self watering planters. Supply of plants for self watering plants suitable for indoor conditions (such as senseveria) upto a ht of 1'-6"". Supplying of coco peat and fertilizer for the self watering planters "	NUMBER	70.00		0.00
800	"Plantation work for Metal Columns: The rate includes for transportation to site, Filling pits around the columns with prepared manure soil in the ratio 1:2 (one sludge :two good earth by volume), flooding with water, dressing including earth if any with all leads & lifts,planting of climbers and trailing plants & stacking in full & final locations, supply & spraying of insecticides as required ."	NUMBER	14.00		0.00
810	Supply & installation of water fountain having SS sculpture, pump, underwater lights, water jets etc. complete in all respects.	SQUARE METER	1.00		0.00
820	"Framework for Wooden/ Conwood False Ceiling Framework to fit site for false ceiling/wall panelling. Framework of mainly extruded Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work @ 600 mm centre to centre spacing bothways. Framework to be suitably hung from the slab /beam using hangers suitable for human movement / weight for repair and maintenance. "	SQUARE METER	350.00		0.00
830	Providing and fixing to false ceiling framework 12mm thick BWR ply using parallel shank screws. Framework to be paid for in the relevant item.	SQUARE METER	350.00		0.00
840	Supply & installation of customised stretch fabric ceiling element in printed and approved form backlit with 4000 k led modules - suitable electronic drivers, ply boxing, suspension supports, light fixtures & all fixing accessories	SQUARE METER	50.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
850	<p>"Providing and fixing suspended false ceiling in MR ULTRA Gypsum board/approved equivalent as follows: Frame work Shall comprise of providing & fixing G.I. grid using perimeter channel (MF-6A) of size 0.50mm thick having one flange of 19.6mm and another flange shall be of size 29.6mm and a web of 26.6mm along with perimeter of ceiling, screw fixed to the beam/slab, to the required curvature (wherever required)with nylon sleeves and screws at not exceeding 610mm centers. G.I. grid may be placed diagonally / horizontally (as per design intent). Then suspending G.I. intermediate channel (MF-7) of size 45mm, 0.9mm thick with two flanges of 15mm each bent to the required curvature wherever required by cutting both its flanges. Suitable bracing to be provided where ever the flanges are cut with 0.9mm G.I. Flat and nuts and bolts at specific positions and suspended from ceiling at 1220mm centers with ceiling angle of width 25mm x 10mm x 0.50mm thick fixed to soffit with G.I. cleats and steel expansion fasteners. Ceiling section (MF-5) of 0.50mm thickness having knurled web of 51.5mm and two flanges of 25.6mm each with lips of 10.5mm bent to the required profile by cutting both its flanges. Suitable bracing to be provided wherever the flanges are cut with 0.50mm flats. Steel screws, to be fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm centres."Cladding: 12.5mm tapered edge M R Ultra Gypboard or approved equivalent make to be screw fixed to ceiling section with 25mm drywall screws at 230mm centres. The boards are to be jointed and finished which includes filling and finishing the tapered and square edges of the boards with jointing compound and fiber tape suitable for Gypsum board. Finishing: A layer of 3.00mm thickness of Veneer Plaster is applied followed by two coats of top coat (primer) at the face of board to give smooth seamless finish. Rendering surface smooth and clean to receive surface finish. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge."</p>	SQUARE METER	150.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
860	"Providing & fixing to RCC slab / beam 12.5mm thick MR Ultra gypsum board/ approved equivalent. Cladding: Levelling with mirandi wood battens if required.Screw fixing to the battens,12.5mm tapered edge M R Ultra Gypboard or approved equivalent make at 230mm centres. The boards are to be jointed and finished which includes filling and finishing the tapered and square edges of the boards with jointing compound and fibre tape suitable for Gypsum board. A layer of upto of 3.00mm thickness of Veneer Plaster shall be applied followed by two coats of top coat (primer) at the face of board to give smooth seamless finish. After all the above surface rendered smooth to receive finish. All complete as per specifications and instructions of the Engineer - In - Charge. For the purpose of payment net finished cubic content of the wood shall be calculated."	SQUARE METER	25.00		0.00
870	Providing & fixing Canadian wood - western Hemlock of approx. finished section 75mm x 300mm fixed at 450 mm centre to centre distance or as instructed as per design intent. Wood shall be protected with two coats sealer and two coats of melamine polish. All complete as per specifications,drawings and instructions of the Engineer - In - Charge.	CUBIC METER	4.00		0.00
880	Providing & fixing Canadian wood - western Hemlock of approx. finished section 75mm x 300mm fixed at 450 mm centre to centre distance or as instructed as per design intent. Wood shall be protected with three coats of Monocoat oil. All complete as per specifications,drawings and instructions of the Engineer - In - Charge. For the purpose of payment net finished cubic content of the wood shall be calculated.	CUBIC METER	4.00		0.00
890	Providing and fixing conwood eaves & ceiling including accessories as required complete in all respects as per manufacturers specification. Lath (11 x 76 x 3050mm), Eave (22x235x3050mm), Ceiling border (14 x 1001 x 3050). Finally polishing the same.	SQUARE METER	150.00		0.00
900	Providing and fixing canadian wood-Western Hemlock planks of approx. finished section size of 300 x 12mm over existing frame. Wood to be protected with two coats sealer and two coats of melamine polish. All complete as per specifications,drawings and instructions of the Engineer - In - Charge.	CUBIC METER	4.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
910	Providing and applying Plaster of paris to false ceiling framework as per design in linear / curvilinear shape. Frame work made with GI grade 175 (120 g / m2) channel fixed with steel expansion fasteners as per requirement of the design indicated in the detailed drawing including providing and fixing galvanized chicken mesh fixed with GI screws to and in between main runners. Applying POP (Calcium sulphate semi hydrate variety) to a thickness of not less than 10mm over the XPM finished smooth to line and level. The surface could be in the form of curves, edging or recesses etc. as may be specified or directed. Finally a coat of primer shall be applied followed by a 2 or more coats of plastic emulsion paint (roller finish) of approved shade and make. For light fittings, a/c grills diffusers /return air grills / trap doors etc. cut outs have to be made with suitable frame work. Rectifying all defects, and cracks formed during the construction period before handling over the work complete. The rates shall include for necessary supports, scaffolding, labour. All as per drawing, approval and instructions of the Engineer in charge.	SQUARE METER	100.00		0.00
920	"Tensile Fabric over Roof and Wall Desgin drawing & shop drawings and their approval by engineer-in-charge. Supply, fabrication and installation of MS frame consisting of MS columns , frame pipes , base plates, stiffners,normal anchors, etc . The frame shall be welded and grinded to smooth finish as per design drg . Painting -The MS frame shall be cleaned of rust and oil/grease deposit. The frame shall be painted with one coat of primer and 2 coats of PU paint. Providing & fixing of PVC coated fire reatadant tensile fabric silver colour with 5 years pro-rata warranty from manufacturer and with fixing accessories"	SQUARE FOOT	580.00		0.00
930	"PVC Panels for Ceiling & Wall Providing & fixing of 10mm thick multi wall PVC panels for interior cladding on duly primered & painted MS support structure including accessories as per manufacturers specification"	SQUARE FOOT	320.00		0.00
940	"Fixed in Situ Partition / Panelling Frame Work: Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F1 for straight partitions : using 50x50mm @ 600 mm centre to centre both ways."	SQUARE METER	40.00		0.00
950	Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 guage thick of crossection 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F2 for wall panelling/ column cladding : using 35x35 mm @ 600 mm centre to centre both ways .	SQUARE METER	200.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
960	Providing and fixing in position framework to fit site for partitions. Framework of mainly extruded. Aluminium section 16 gauge thick of cross section 50 mm x 50mm, and angle 35mm x 35mm x 3mm thick frame work with centre to centre spacing as follows: F3 for wall panelling/ column cladding : using 35x35 mm @ 600 mm centre to centre both ways and creating a gap of 200mm from wall surface using suitable spacers of aluminium section.	SQUARE METER	50.00		0.00
970	Extra labour for providing and fixing framework of partitions curved in plan. All complete as per specifications, drawings and the directions of the Engineer-in-charge.	SQUARE METER	50.00		0.00
980	Providing and fixing to straight partition / curved partition / paneling framework, First Skin as per following specifications: Fixed with fully threaded parallel shank screws at max. 230mm c/c both ways on the framework. Joints staggered on either sides of the partitions to avoid through joints. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 12mm thick BWR Ply. (Net area of board / Ply applied shall be measured for the purpose of payment.	SQUARE METER	300.00		0.00
990	Providing and fixing to straight partition / curved partition / paneling framework, First Skin as per following specifications: Fixed with fully threaded parallel shank screws at max. 230mm c/c both ways on the framework. Joints staggered on either sides of the partitions to avoid through joints. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 12mm th. Flexiply. (Net area of board / Ply applied shall be measured for the purpose of payment.	SQUARE METER	50.00		0.00
1000	Providing and fixing Second Skin on existing straight / curved partition/panelling as per following specifications: Fixed with suitable adhesive & fully threaded parallel shank screws at max. 230mm c/c both ways. Joints staggered on either sides of the partitions to avoid through joints. Providing grooves of size 6mm x 6mm or as per design intent as specified below or as instructed. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 6mm thick BWR ply as per design intent. Wherever BWR Ply / Flexiply is applied in more than one layer the joints in each layer shall be staggered. First layer will be screw fixed and subsequent layers shall be screwed as well as glued with suitable adhesive.	SQUARE METER	250.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1010	Providing and fixing Second Skin on existing straight / curved partition/panelling as per following specifications: Fixed with suitable adhesive & fully threaded parallel shank screws at max. 230mm c/c both ways. Joints staggered on either sides of the partitions to avoid through joints. Providing grooves of size 6mm x 6mm or as per design intent as specified below or as instructed. All complete as per specifications, drawings, design intent and instructions of the Engineer - In - Charge. 6mm thick flexiply with grooves as per design intent. Wherever BWR Ply / Flexiply is applied in more than one layer the joints in each layer shall be staggered. First layer will be screw fixed and subsequent layers shall be screwed as well as glued with suitable adhesive.	SQUARE METER	50.00		0.00
1020	Providing and fixing BWR ply of required thickness for wall lining with necessary screw, priming coat on un-exposed surface complete as per drawing and direction of Engineer-in-Charge. The ply to be fixed to the existing frameowrk /ply at all heights. The work shall be executed as per drawings ,specifications & instructions of engineer in charge. 12mm thick BWR ply (IS303) having approx 18% perforation done randomly with 8mm & 12mm dia holes to be executed as per drawings ,specifications & instructions of engineer in charge.	SQUARE METER	500.00		0.00
1030	Providing and fixing straight line Mirandi wood work in frames of false ceiling, wall panelling, partitions etc. sawn and put in position, of locally best available. All complete as per specifications and instructions of the Engineer - In - Charge.	CUBIC METER	0.25		0.00
1040	Extra for additional labour and material for curved Mirandi wood work.	CUBIC METER	0.15		0.00
1050	Providing and doing infil of 50mm 1000GSM non-woven thermal bonded polyester wadding (Make Dupont/ mikasha/vibrant) held in position with 18 mm GI checken mesh of 24SWG with drive all screws and oversize washers. For the purpose of payment net front area shall be measured.	SQUARE METER	500.00		0.00
1060	Providing and fixing sisal weaved carpet without latex backing on wall panelling / false ceiling base using suitable adhesive as per manufacturers specifications.	SQUARE METER	500.00		0.00
1070	Providing and fixing to straight partition / paneling framework, 12.5 mm thick MR Ultra Gypsum Board/approved equivalent with parallel shank screws at 200mm on the framework with joints staggered on either sides of the partitions to avoid through joints. Boards to be jointed & finished so as to have a flush look which includes filling & finishing the taper & squared edges of the board with jointing compound and fiber tape. Finally a layer upto of 3.00mm thickness of Veneer Plaster to be applied to the finished surface of the board to give an even and smooth finished surface. All complete as per specification, drawing, design intent and approved and instruction of the Engineer - In - Charge. For the purpose of payment net front area shall be measured.	SQUARE METER	10.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1080	Providing and Fixing Pelmets made out of 19mm thick BWR block board complete as per drawing.	SQUARE METER	10.00		0.00
1090	"Providing & fixing to RCC slab / beam /window sill, jambs , RCC columns and elsewhere 19mm thick Pheneol Formaldehyde Block board as per following specifications: Levelling with mirandi wood battens if required.Screw fixing to the battens/ base, 19mm thick Pheneol Formaldehyde Block board at 230mm centres. After all the above surface rendered smooth to receive finish. All complete as per specifications and instructions of the Engineer - In - Charge. Note: Cost of finishing measured under relevant item.	SQUARE METER	5.00		0.00
1100	Providing & fixing to curved / straight partition / paneling / doors or elsewhere as instructed melamine pressed Fleece Backed / 3.5 - 4.0 mm thick Decorative Sycamore dyed grey veneer ply of group match and of following origin, making grooves, including protecting with two coats of sealer and two coats of melamine polish. All complete as per specification, drawing, design intent and approval and instructions of the Engineer - In - Charge. For the purpose of payment net area of material applied shall be measured.	SQUARE METER	30.00		0.00
1110	Providing & fixing to curved / straight partition / paneling / doors or elsewhere as instructed melamine pressed Fleece Backed / 3.5 - 4.0 mm thick Decorative American walnut veneer ply of group match and of following origin, making grooves, including protecting with two coats of sealer and two coats of melamine polish. All complete as per specification, drawing, design intent and approval and instructions of the Engineer - In - Charge. For the purpose of payment net area of material applied shall be measured.	SQUARE METER	100.00		0.00
1120	Providing & fixing to fibre mounted natural slate sheet making grooves, including protecting with one coat of silicon sealer.	SQUARE METER	80.00		0.00
1130	"Providing and fixing moss grass - Red colour as per following specifications : High-class sound absorber made from natural, hand-picked Scandinavian Reindeer Moss designed to cover large surface areas with maximum flexibility in shape and design. Each element retains its colors, is fire-proof, handmade, natural, absorbs & releases humidity to remain soft, and is completely maintenance-free.	SQUARE METER	10.00		0.00
1140	"Providing and fixing moss grass - Green Colour as per following specifications : High-class sound absorber made from natural, hand-picked Scandinavian Reindeer Moss designed to cover large surface areas with maximum flexibility in shape and design. Each element retains its colors, is fire-proof, handmade, natural, absorbs & releases humidity to remain soft, and is completely maintenance-free.	SQUARE METER	2.00		0.00
1150	Providing and fixing acoustic sisal weaved carpet without latex backing on wall panelling / false ceiling base using suitable adhesive as per manufacturers specifications.	SQUARE METER	470.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1160	Providing and fixing in position customised 10mm thick clear float toughened glass in partition or elsewhere of following thickness and specifications. Exposed edges of glass to be machine transparent ground. All complete as per specifications, drawing, design intent and instructions of the Engineer - In - Charge.	SQUARE METER	10.00		0.00
1170	Providing and fixing in position customised 12mm thick clear float toughened glass in partition or elsewhere of following thickness and specifications. Exposed edges of glass to be machine transparent ground. All complete as per specifications, drawing, design intent and instructions of the Engineer - In - Charge.	SQUARE METER	35.00		0.00
1180	Providing and fixing in position customised 12mm thick clear float toughened glass with provision for fittings in partition or elsewhere of following thickness and specifications. Exposed edges of glass to be machine transparent ground. All complete as per specifications, drawing, design intent and instructions of the Engineer - In - Charge.	SQUARE METER	25.00		0.00
1190	Providing and fixing in position Planilaque glass 6mm thk. of various colours ref. St. Gobain Glass or of approved equivalent. Fixing with 3M double sided tape as per manufacturer's specifications. Sealing the edges with transparent silicon sealant bead. All complete as per specifications, drawing, design intent and instructions of the Engineer-in-Charge.	SQUARE METER	80.00		0.00
1200	Providing and fixing on glass panes, self adhesive image graphics film without computerized graphic design as per following specifications Ref. 3M Scotchcal Commercial Graphics Cat. Electrocut Crystal films or of approved equivalent make. For the purpose of payment net area applied shall be measured excluding the wastage.	SQUARE METER	10.00		0.00
1210	Providing and fixing on glass panes, self adhesive image graphics film with computerized graphic design as per following specifications Ref. 3M Scotchcal Commercial Graphics Cat. Electrocut Crystal films or of approved equivalent make. For the purpose of payment net area applied shall be measured excluding the wastage.	SQUARE METER	10.00		0.00
1220	Providing and doing Melamine paint finish (DUCO) of approved shade on MDF board/ wood work as per manufacturer's technical procedure and following specification:- Applying filler coat followed by stainer coat of approved shade. Applying two coats of sealer. Finish with 2 top coats , sand papering with 1000 no. and 2000 no. paper. Finally polishing with cream. All complete as per specifications, and instructions of the Engineer - In - Charge.	SQUARE METER	20.00		0.00
1230	Providing and fixing cut to size 6mm thick looking mirror of required size over existing surface with 3M double sided tape as per manufacturer's specifications. Sealing the edges with transparent silicon sealant bead. All complete as per approval and instructions of the Engineer-in-charge.	SQUARE METER	25.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1240	<p>"Supply & installation of restroom cubicles (Toilet She - set of 2 cubicles) as per following specifications ref. merino cat. Athenalite series (Nylon + Aluminium) : Intermediate Panel, Pilaster and Door:—All Intermediate Panels, Pilasters and Door will be of 12mm thick Solid Compact Laminate with edge chamfered. The intermediate panel is one continuous panel without any joints. Solid Compact Laminate will be impregnated with phenolic resin based on thermosetting resins, homogeneously reinforced with cellulose fibers and laminates on both sides with matt/textured finish melamine. Standard Dimension:- (Nylon + Aluminum) Cubicle is 2400mm(H) × 1000mm (W) × 1550mm (D). Standard Door Size : 600 - 650mm. Floor Clearance : 150mm. SS Thumb Turn lock set with occupancy indicator.</p> <p>Accessories & Hardware:—Heat and Chemical Resistant Polymide Door Knob with Occupancy Indicator. Heat and Chemical Resistant Polymide Coat Hook incorporating Anti-Slam Door Stopper. Nylon Gravity Hinges, U-Channels, MS Wall Bracket for H-Top Rail. Aluminum H-Top Rail of 5500mm of Grade 6063 T5-15 Micron Epoxy Coated of Dimension of 125mm × 70mm × 5mm thick . Fixing:—The Pilaster is slotted & affixed to the Top Rail and secured from the top of the Top Rail. The Head Rail will run the total length of Restroom Front Partition with fixing point at pilaster profile for rigidity and stability. The Top Rail will be fixed to the Wall on both sides using MS Wall Bracket. The Intermediate Panel will be anchored to the wall and pilaster with polyester power coated Grade 6063 T5-15 Micron Aluminum U Channels with Doors fixed to Pilaster (Mid & End).</p>	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1250	<p>"Supply & installation of restroom cubicles (She toilet - set of 1 cubicles) as per following specifications ref. merino cat. Athenalite series (Nylon + Aluminium) : Intermediate Panel, Pilaster and Door:—All Intermediate Panels, Pilasters and Door will be of 12mm thick Solid Compact Laminate with edge chamfered. The intermediate panel is one continuous panel without any joints. Solid Compact Laminate will be impregnated with phenolic resin based on thermosetting resins, homogeneously reinforced with cellulose fibers and laminates on both sides with matt/textured finish melamine. Standard Dimension:- (Nylon + Aluminum) Cubicle is 2400mm(H) × 1000mm (W) × 1550mm (D). Standard Door Size : 600 - 650mm. Floor Clearance : 150mm. SS Thumb Turn lock set with occupancy indicator.</p> <p>Accessories & Hardware:—Heat and Chemical Resistant Polymide Door Knob with Occupancy Indicator. Heat and Chemical Resistant Polymide Coat Hook incorporating Anti-Slam Door Stopper. Nylon Gravity Hinges, U-Channels, MS Wall Bracket for H-Top Rail. Aluminum H-Top Rail of 5500mm of Grade 6063 T5-15 Micron Epoxy Coated of Dimension of 125mm × 70mm × 5mm thick . Fixing:—The Pilaster is slotted & affixed to the Top Rail and secured from the top of the Top Rail. The Head Rail will run the total length of Restroom Front Partition with fixing point at pilaster profile for rigidity and stability. The Top Rail will be fixed to the Wall on both sides using MS Wall Bracket. The Intermediate Panel will be anchored to the wall and pilaster with polyester power coated Grade 6063 T5-15 Micron Aluminum U Channels with Doors fixed to Pilaster (Mid & End)."</p>	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1260	"Supply & installation of restroom cubicles (Toilet He - set of 1 cubicles) as per following specifications ref. merino cat. Athenalite series (Nylon + Aluminium) : Intermediate Panel, Pilaster and Door:—All Intermediate Panels, Pilasters and Door will be of 12mm thick Solid Compact Laminate with edge chamfered. The intermediate panel is one continuous panel without any joints. Solid Compact Laminate will be impregnated with phenolic resin based on thermosetting resins, homogeneously reinforced with cellulose fibers and laminates on both sides with matt/textured finish melamine. Standard Dimension:- (Nylon + Aluminum) Cubicle is 2400mm(H) × 1000mm (W) × 1550mm (D). Standard Door Size : 600 - 650mm. Floor Clearance : 150mm. SS Thumb Turn lock set with occupancy indicator. Accessories & Hardware:—Heat and Chemical Resistant Polymide Door Knob with Occupancy Indicator. Heat and Chemical Resistant Polymide Coat Hook incorporating Anti-Slam Door Stopper. Nylon Gravity Hinges, U-Channels, MS Wall Bracket for H-Top Rail. Aluminum H-Top Rail of 5500mm of Grade 6063 T5-15 Micron Epoxy Coated of Dimension of 125mm × 70mm × 5mm thick . Fixing:—The Pilaster is slotted & affixed to the Top Rail and secured from the top of the Top Rail. The Head Rail will run the total length of Restroom Front Partition with fixing point at pilaster profile for rigidity and stability. The Top Rail will be fixed to the Wall on both sides using MS Wall Bracket. The Intermediate Panel will be anchored to the wall and pilaster with polyster power coated Grade 6063 T5-15 Micron Aluminum U Channels with Doors fixed to Pilaster (Mid & End)."	EACH	2.00		0.00
1270	"Providing & fixing following accessories in the toilet for physically challenged persons : Basin guard rail Article no. 840/L of Merino - 1 no. L-safety support - Article no. 822 /L of Merino - 1 no. Grab rail - Article no. 823 of Merino - 1 no. Vertical & Horizontal - Article no. 840 A of Merino - 1 no."	SET	1.00		0.00
1280	Providing & fixing in position factory made Urinal modesty panel of approx size 1200 x 500 mm with customized design made of 12mm Compact Laminate made as per IS 2046 (Indian Standard) and as per fire retardant BS-476/97 standard. The solid compact laminate (Phenolic Core Board) shall be based on thermosetting resin, homogeneously reinforced with cellulose fiber and laminate on both side with suede finish, scratch and impact resistant. Accessories made of SS 304 grade stainless steel as per approval & instructions of the engineer-in-charge.	EA	4.00		0.00
1290	Providing and fixing moulded American Oak wood in frames of doors, and other frames as per design. All complete as per specifications and approval of the Engineer - In - Charge.	CUBIC METER	0.25		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1300	Providing and fixing American Oak wood architrave to chowkhat and wall / partition of finished size 37mm x 19mm, moulded to shape.All complete as per specification, drawing, design intent and approved and instruction of the Engineer - In - Charge. For the purpose of payment the architrave shall be measured along the center line in one go.	METER	70.00		0.00
1310	"Providing and fixing in position flush door shutter as per following specifications : Core: 40mm thick non decorative, factory made flush doors. Item to include all edges of shutter to be sealed with 6 mm thick American Oak wood /Wenge wood edging slip on all sides. Wood protected with two coats sealer and two coats of melamine (matte) polish. All complete as per specifications, and approval and instructions of the Engineer - In - Charge. Notes: Door shall be finished to match with the decor of the relevant room. Cost of either side of finishing to be measured in the relevant item. Front area from one side to be measured for the purpose of payment. "	SQUARE METER	15.00		0.00
1320	"Providing & fixing in position Shaft Door shutters as per following specifications: Core: 30mm thick non decorative, factory made flush doors as per technical specifications.All edges of shutter sealed with 6 mm thick Oak wood edging slip on all sides Finish: Shutter finished inside with water proof paint and outside finished in two or more coats of Primer to receive paint matching to the adjoining wall. Item includes 3nos. stainless steel butt hinges 100 x 25mm with ball bearing and S.S. screws. All complete as per approval and instructions of the Engineer- in - charge. "	SQUARE METER	5.00		0.00
1330	"Providing & fixing in position Louvered shutter as per following specifications :- Main Frame: Made out of section 75mm x 65mm White Oak wood section. Shutter:White Oak wood section 70mm x 32mm all round. 6mm x 70mm White Oak wood louvers. Finish:Wood protected with two coats sealer and two coats of melamine (matte) polish. Handles & Accessories:Double action swing hinges S.S. brush finish (2 nos. per shutter) ref. Haffele Cat. No. 902.01.430 or of approved equivalent make. All complete as per specification, and instructions of the Engineer - In - Charge. "	SQUARE METER	5.00		0.00
1340	Dismantling existing AHU door opening inside AHU room and refixing the same by opening outside.	EACH	2.00		0.00
1350	Providing and fixing Pair of Glass Door Handle 25mm dia. X 900 c/c 1200 o/a (for main entrance doors) ref. Hafele cat. 903.01.712 with necessary hardware.	EACH	8.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1360	Providing and fixing Pair of Door Handle 300mm long back to back fixing ref. hafele cat. No. 903.05.700 with all necessary hardware.	EACH	2.00		0.00
1370	Providing and fixing Corner Patch Lock with cylinder Ref. Hafele cat. 981.50.030	EACH	8.00		0.00
1380	Providing and fixing set of Floor Spring & Pivot for frameless glass door Refer Hafele cat. 981.07.280, 981.07.290, 932.77.020, including top and bottom patch fitting ref. hafele cat no. 981.50.20 & 981.50.010	EACH	8.00		0.00
1390	"Providing and fixing Concealed Door Closer ref. Hafele cat. HS 3000 Slimline Hold Open Clip, Min. Door Thickness 40MM"	EACH	5.00		0.00
1400	Providing and fixing Wall mounted door stop ref. hafele cat. 937.13.530	EACH	5.00		0.00
1410	Providing and fixing Door handle with Lever, mortice and cylinder Ref. Hafele Cat. 903.92.586, 911.02.164, 916.96.006 matt finish handles with Mortise lock, Euro profile cylinder	EACH	5.00		0.00
1420	Providing and fixing Stainless steel hinges. Ball Bearing Hinges ref. Hafele cat. 926.32.160 Ball bearing butt hinge 4" x 3" x 3mm	EACH	20.00		0.00
1430	Supply & fixing of 83mm thick, having 38 dB acoustic cum fire check door shutters, having Fire rating 120 Minutes minimum, including door frame of section 145mm x 75mm marrantti wood fixed to the door jambs with anchor fasteners as required, having infill of 47mm thick resin bonded glasswool of 24kg/cum density coated with FR Acrylic Sealant Sandwiched between two 9 mm thick calcium silicate boards (Starpan or equivalent) 100% without asbestos, Brucite and Meerschaum having a density not more than 1150kg/cum and thermal conductivity 0.14 W/M*K faced with 8mm thick commercial ply (green/merino/century) with heat activated intumescent fire seal strip of size 10mm x 4mm mounted in the grooves having hardwood lipping of size 15mm x 70mm and fire retradant 1mm thick laminate (merino/century/greenlam) facing on both sides in desired shade and colour. The door to have 145x75mm The work shall be executed as per drawings, specifications & instructions of engineer in charge. (Note: Contractor to submit shop drawing & Test certificates from manufacturer (The Manufacturers to submit test certificate for fire rating from CBRI Rorkee) . Recommended Make : Global / Navair / Sukriti or equivalent.	SQUARE METER	15.00		0.00
1440	Providing & fixing acoustic seals to achieve 38 dB noise reduction along with complete set of RP 24,16 & 38 (Lorient/ Astroflame U.K./Raven/Marshall) to achieve high acoustics and 2 no seals of fire & smoke as required complete. The work shall be executed as per drawings, specifications & instructions of engineer in charge.	SET	4.00		0.00
1450	Supply & fixing of 304 grade stainless steel ball bearing hinges from Marshall/Assa Abloy/Ingersoll Rand of size 100x100x3mm thick complete. The work shall be executed as per drawings, specifications & instructions of engineer in charge.	EACH	32.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1460	Supply & fixing of extruded aluminum body Heavy duty fire rated door closers with stainless steel full body cover. The door closers should be of type-1-6, Non handed, back check, delayed action and tested along with the wooden fire doors from CBRI Roorkee as per BS476 part-22 and IS 3614 Part-2. The door closer shall have 10 years mechanical warranty from the manufacturer and complies with EN 1154- for 50000 cycles + A1: 2002 CE certified. The work shall be executed as per drawings ,specifications & instructions of engineer in charge.	EACH	8.00		0.00
1470	Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.	EACH	8.00		0.00
1480	Providing and fixing 25mm dia & 400 mm long brushed steel finish pull handles with with long bolt and cap for fixing from outside only as per design approved by engineer in charge of Make Dorset , Dorma , Golden, Hettich ,hafele.	EACH	12.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1490	<p>"PANTRY STORAGE Dimensions: As shown in drawing.</p> <p>Carcasse: Includes back, sides, top & partitions.16mm thick BWR grade commercial ply both sides laminated. All visible sides laminated in approved colour and counter side in white colour.</p> <p>Shelves : Shelves made of 18mm thick BWR ply with both side white laminate & 0.45mm edge banding.</p> <p>Shutters: 18 mm thick Exterior grade MDF board.Exterior side laminated with in approved colour Tropical Teak ; Code no. 3153 , Ref. New Mika cat., i-finish/ approved equivalent and counter side in white colour.</p> <p>Granite Top: Storage top provided with 600 mm wide,(length to suit cabinet) min. 18 mm thick pre-polished Granite stone ,Cat's Eye / approved equivalent.Granite with front edge half round.Granite glued to the cabinet top with Araldite or suitable adhesive and having suitable cutout for fixing kitchen sink. Leg Support: 25mm dia pipe stainless steel (304 grade) furniture legs with PVC Levellers at base. Finish: All external surfaces finished in 1.0 mm thick laminate and internal surfaces finished in 0.8 mm thick laminate.</p> <p>Handles & Accessories: 1 no.stainless steel wire Utensil/ cutlery holder to fit in cabinet of approx. size 850 x 620 x 560 mm; Auto closing Hinges 2 nos. per shutter with Dampner ref. Hettich cat. no.73913+72983+60581.; Handles -G Profile running along the entire width of drawer / shutter; 1 no.stainless steel Paper Towel holder with tear off edge;Customised Heavy -Duty -D-Shelf Support (2 nos. per shelf).1 no. 1200 mm long,stainless steel (14 guage)hanging Rod with hooks.1 no.stainless steel wire D-Tray to fit in approx. cabinet size 1070 x 620 x 560 mm - 1 no. stainless steel multi purpose Pull Out basket; 1 no. stainless steel multi purpose Hanging rack(double). Multipurpose Locks for storage shutters / drawers with a set of keys Ref. hettich cat.no. N6100.</p> <p>All complete as per drawing, instructions & approval of the engineer-in-charge"</p>	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1500	<p>"FREE STANDING LOW HEIGHT STORAGE</p> <p>Carcasse: Includes back ,base and two sides.25mm thick pre laminated board (both sides laminated).Doubled edges by adding 18 mm exterior grade MDF Board to the 25mm thick pre laminated board back. All edges & visible sides of carcasse laminated in approved colour Tropical Teak; Code no. 3153, Ref. New Mika cat., i-finish/approved equivalent / approved equivalent and counter side in white colour. 24 mm high wenge wood skirting.</p> <p>Shelving: 19 mm thick pre laminated board (both sides laminated). One side laminated in approved colourTropical Teak; Code No. 3153; Ref. New Mika cat.; I-finish / approved equivalent and counter side in white colour. All shelves resting on S.S studs. Edge profile matching .</p> <p>Top skirting: Doubled edges by adding 18 mm exterior grade MDF Board to the 25mm thick pre laminated board back.Wrappedin 0.8mm thk. Laminate,on two sides. Shutter: 19mm thick pre laminated board (both sides laminated) with postformed edges. Front side laminated wool ref. Greenlam cat. no.107 /approved equivalent .Counter side in white colour. All vertical edges shall be postformed as per approved profile.All other edges shall be provided with matching PVC edge banding. Grooves in shutter shall be provided and grain direction shall be as per design intent.</p> <p>Handles & Accessories: Shutters having 331 mm long Aluminium handles(one per shutter) ref. Hettich cat.9071082. Four no.s Auto closing Hinges per shutter with Dampner ref. Hettich cat. no.73913+72983+60581.Shelves rest on S.S. Studs.2 nos. tower bolts for every pair of shutters, Multipurpose Locks for storage shutters with a set of keys Ref. hettich cat.no. N6100. All complete as per drawing, approval and instructions of the Engineer- in- charge. "</p>	SQUARE METER	5.00		0.00
1510	<p>"Buffet Counter</p> <p>Carcasse: 25mm thick block board. All visible sides of carcasse and the open niche finished with laminated slab Ref. Reffin cat. Arcadia of size 1500 x 750 & 9mm thickness. All complete as per drawing and instructions of the engineer-in-charge "</p>	METER	12.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1520	<p>Providing & fixing of decorative artwork/artefacts complete.</p> <p>a) Providing & fixing turned wood art elements to evoke the prominence of bamboo in Assam. Art elements painted in Chennapattnam paint and connected with brass pieces at different level. Art elements to be hung from ceiling of the atrium upto ground floor upper level (Leaving clear human height): Each-1</p> <p>b) Providing & fixing brass sculptures for the column capitals,. Brass sculpture each weighing approx. 2.0 Kg. Finally rendering patina finish.: Each-8</p> <p>c) Hand drawn and painted walls as per approved concept in reception and lunch room as per following specifications :</p> <p>Base surface of primer and ultima white.Wall art of size 3.00 x 7.30m (2 nos.) & 4.00 x2.00m (1 no.). Finally painted and protected with epoxy/PU coat. Item to include cost towards travel, boarding, lodging, scaffolding and charges for the artist.</p> <p>Note: Photographs/drawings of desired quality of the materials but not limited to are attached.</p>	LOT	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1530	Providing & fixing signage a) Signange in reception : Providing and fixing Oil India Limited logo. Brass letters 50mm x 3mm profile. Marble i font and LED lights at back. Size 1.20m tall. (1 no.) b) Floorwise signange in lift lobby. Steel letters with epoxy finish. Font size 25 X 10mm and 5mm thick. (Each-1) c) Toilet signages 8mm x 12mm in brass (Pictorial images for He-1 No., she - 2nos. and disabled - 1 Nos) d) Embroidery on auditorium chair seats Numericals - 1 to 88 (One set) e) Embroidery on auditorium chair seats Letter-Reserved (10 nos.) Note: Photographs/drawings of desired quality/ design of the materials but not limited to are attached.	LOT	1.00		0.00
1540	Providing and fixing fabric for upholstery of furniture items (Chairs/sofa). Basic rate of fabric Rs.2500.00 (+/- 2%) per metre.	METER	85.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1550	<p>RT1 - RECEPTION TABLE : Dimensions : As per drawing. Work Top & Vertical ends :Cut and laid to shape,38 x 38 mm (18 guage) M.S. hollow section @ min. 4 members longitudinally & radially @ max.450 mm c/c, as per design intent .Clad with 12mm th. BWR ply on top & edges and 6mm th.BWR ply on the under side with grooves as per design intent. Worktop firmly fixed to support partition below. Worktop,vertical ends and their edges finished with 12mm th Style Bamboo, solid bamboo planks laid with tongue and groove jointing.The Bamboo should have the following specs:Hardness : 1,380 Psi;Density : 750 kg/ cu.mtr; Impact resistance: 10mm; Moisture Content : 12 %; Abrasion Resistance :6,000 turns :Swell Rate : 3%. Surface treated with (Aluminium oxide) & scratch resistant surface as per manufacturer. Bottom finished with 0.6mm thick laminate of white colour . Support Partition : Turned to shape,38 x 38 mm (18 guage) M.S. hollow section @ min.5members longitudinally &vertically @ 450 mm c/c, as per design intent .Clad with 12mm th. Flexiply on either side . Support Partition firmly fixed to floor,work top & leg supports. Leg supports : 38 x 38 mm (18 guage) M.S. hollow section @ min.3members vertically & 3 membershorizontally , as per design intent .Clad with 12mm th. BWR ply on either side . Leg supportsfirmly fixed to floor with Dash Fastners. STORAGE: Carcasse, shutters & shelving made out of 19mm thick pheneol formaldehyde Block board. Drawer base, back, sides - 12mm thick BWR Commercial ply. Drawer front in double layer, inside of 12mm thick ply, outside 19mm thick pheneol formaldehyde block board. .Wenge wood Skirting of finished size upto 15 mm x 25 mm. Partition above Top : Turned to shape,38 x 38 mm (18 guage) M.S. hollow section @ min.2 members longitudinally & vertically @ 450 mm c/c, as per design intent .Clad with 12mm th. Flexiply ply on either side . firmly integrated with the m.s frame .Finished in Metallic laminate -9003 Bronze foil(Ash finish) alround. Ledge for visitors : 12mm x 12mm solid stainless steel frame with fusion caps to fuse to the acrylic granite.12mm th Solid Acrylic Granite Everest E 502 Ref. Corian cat. Back lit Laminate : 12mm x 12mm solid stainless steel frame with fusion caps to fuse to the Translucent laminate Ref. Ventura</p>	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
	enterprises Fablam 3023. Turned to shape 40 mm dia stainless steel hollow pipe (14 guage) will run along the bottom of th translucent laminate. Pelmet for light : Provision for fixing Light and continuos pelmet running along the length. HARDWARE: Two no.s Key board trays,Ref. Innofitt. System Cat No. KD 510.M. SP MT.Drawers running on bottom mounted drawer slides i.e. Three sets of channels Ref Hettich cat.no. 45289 & 75806/7. Drawer & shutters having SS Flush handles ref. Hettich cat.9070138. Two no.s Auto closing Hinges per shutter with Dampner ref. Hettich cat. no.73913+72983+60581.Shelves rest on S.S. Studs. Foot rests for two: 19mm thick BWR grade BWR block board finished with 1.0mm thick laminate. Finish: All surfaces visible only to receptionists' side i.e. Shutters,both surfaces of the shelves, drawer fronts finished in 1.0 mm thick laminate.Under side of Work top, Drawer inside and visible surfaces of open shelving finished in 0.6 mm th. laminate of white colour. All complete as per specifications & instructions of the engineer-in-charge.				
1560	SD - SECURITY DESK : Dimensions : As per drawing. Structure , Shelf & Footrest : Made out of 19mm thick Block board. TOP: Top made of 10mm thick clear float toughened glass with counter sunk depression for fusion . All edges machine transparent ground. DRAWER: Drawer base, back, sides - 12mm thick BWR ply. Drawer front of 19mm thick Block board. HARDWARE: Drawer running on bottom mounted drawer slide i.e. A set of channels Ref. hettich cat. No. 45289 & 75806/7. Drawer having SS Flush handle ref. Hettich cat. No. 9070138. Shelf resting on S.S. Studs. Four Stainless Steel fusion caps. FINISH : All finished in 3.5 mm thick Sucupira & Cerejera veneer ply as per design intent. All exposed edges of BWP Block board sealed with corresponding veneer ply. All internal surfaces left without finishing material to be finished with spirit polish. All wood work & veneer ply to be protected with 2 coats sealer & 2 coat of polyurethane matte finish. Both surfaces of the shelf, top side of footrest, drawer front finished in 1.0mm thick laminate. Under side of footrest, Drawer inside finished in 0.6mm thick laminate of black colour. All complete as per drawing, approval & instructions of the Engineer-in-charge.	EACH	2.00		0.00
1570	LT - Lectern : Size as per drawing. Base & structure: Base and structure made of 25x25mm square aluminium pipe duco coated in approved shade clad with 12mm thick flexi ply and finished in veneer ply. Wood and veneer to be finished PU matt finish. Backlit logo of OIL INDIA LTD. made of acrylic to be provided on front side. Top made of 12mm solid acrylic surface of approved colour. All complete as per specifications of the engineer-in-charge.	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1580	Providing & placing in position consoles as per following specifications. Structure made of SS 304 grade sections. Top made of approved Marble polished to a high gloss finish. All S.S. to be of brushed finish. All complete as per specifications, approval, shop drawings and instructions of the Engineer in charge	EACH	6.00		0.00
1590	WASH ROOM VANITY : Carcass made of 19 BWR board having trap door for maintenance. Vanity to be finished in 6mm thick ceramic tile ref Calcutta cat. Silk / satin using suitable adhesive.	EACH	1.00		0.00
1600	Desk on Dias, Foldable, portable : Structure made of MS section clad with 19mm thick BWR board finished in veneer ply. Wood and veneer to be protected with two coats of sealer & two coats of melamine finished. MS sections to be painted in primer and synthetic enamel painted. All complete as per specifications, approval, shop drawings and instructions of the Engineer in charge	EACH	1.00		0.00
1610	Providing and placing in position Auditorium fixed chair as per approved make or approved equivalent : Supply Installation Testing & commissioning of 550mmc/c Fire Retardant fabric (FR Fabric conforming to BS EN 1021&1) upholstered chair conforming to BIFMA standards. The chair to have MS tubular framework welded together with continuous arc welding. The chair shall have powder coating of 65microns on all of the MS tubular framework . The seat shall have Polyurethane foam of density 55+3 KG/Cum & Back to have density of 50+3 Kg/CuM. The height of the back to be 950-1000mm from the ground to top of back & for Seat to be 400-450mm from the ground . The rear of back shell & bottom of seat shell to be Polypropylene plastic in black colour Polypropylene plastic cover. The wooden armrest to be of 80mm & 400mm length with melamine polished in black colour . The armrest between two chairs in a row to be shared & at the both ends to be individual. Including cost of expansion fasteners as required of Hilti/Fischer make. The end chair in the row to have aisle LED light fixture. The chair to be of Make Godrej / Featherlite / BP ergo. The bench shall be fabricated as per drawings ,specifications & instructions of engineer in charge. Cost towards fabric furnishing will be considered in the relevant item.	EACH	94.00		0.00
1620	Providing and placing in position Dias / Reception chairs with 5 star base lyris suspension seat / back ribbon arms. Frame and base finish graphite. 2.5" castors medium roll massistance. ref.Herman miller cat. Sayl chair	EACH	5.00		0.00
1630	Providing and placing in position Dining chairs Ref. AKFD cat. Bespoke Umaid chair or approved equivalent finished in fabric. Basic rate of chair Rs.35,000/- (+/-2%)	EACH	16.00		0.00
1640	Providing and placing in position Single seater sofa ref. AKFD cat. Bespoke Umaid sofa or approved equivalent with leather upholstery. Basic rate Rs.75,000/- (+/-2%) each	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1650	Providing and placing in position Three seater sofa 2.40m long ref. AKFD Cat. Bespoke Rai Surana Sofa or approved equivalent finished in leather. Basic rate Rs.2,10,000/- (+/-2%) each	EACH	1.00		0.00
1660	Providing and placing in position Lounge chair with shell, armcap & cushion upholstery in ivory leather. Base finished in polished aluminium ref. Herman Miller cat. HM Arm chairs bumper chair or approved equivalent.	EACH	4.00		0.00
1670	Providing and placing in position center table 1280MM dia and 730mm height. Table top made of plywood and finished in approved colour laminate with rounded . Frame made of cast and extruded laminate ref. Herman Miller cat. HAY AAT 20 table or approved equivalent.	EACH	1.00		0.00
1680	Providing and placing in position center table ref. AKFD cat. HM center table or approved equivalent. Basic rate Rs.47,150/- (+/-2%)	EACH	1.00		0.00
1690	Supplying & fixing of following sizes of G.I.under floor raceways in 1.6mm thickness in recessed including cutting the wall / floor and making good the same in case of recessed system (For Electrical / Telephone / Datacommunication systems) as required - 150 mm x 50 mm x 1.6mm thick (2 Partitions of 50x50mm)	METER	10.00		0.00
1700	Supplying & fixing of following sizes of GI Junction Boxes of following sizes 65-90 mm deep(adjustable),for above trunking made of 1.6mm galvanized sheet and 1.6 mm cover made from GI steel sheet, with cover on all four sides: - 150 mm x 150 mm complete as per Legrand Cat No. 6896-10	EACH	4.00		0.00
1710	Supplying & fixing of following 3 teir/row modular double door,three phase & neutral,415 V, IP-42/IP-43 protection sheet steel MCB distribution board on surface /recess,complete with tinned copper insulated busbars,neutral links, earth bars, din channels, detachable gland plates, interconnections, including painting,earthing & with 40/ 63A, 4Pole I/c MCB etc.as required : 24 Module (8module per row and provision for 4pole I/C) & with I/C-40A, 4P MCB 1 No. + 6-32A SP MCBs-18Nos. + 40A, 100mA, DP RCCB-3Nos.	EACH	2.00		0.00
1720	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	POINTS	50.00		0.00
1730	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	POINTS	40.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1740	Wiring for power plug / industrial socket / light point with 3 X 4 sq mm. FRLS insulated copper conductor, single core cable including connectors in surface/ recessed steel conduit as required and as per above specification	NUMBER	14.00		0.00
1750	Supplying & fixing of 6 pin 15/16 amps modular socket outlet with GI box ,grid plate & screw less modular plate ,15 / 16 amps modular switch, including connections etc. as required & as specified above	NUMBER	9.00		0.00
1760	Supplying & fixing of 5 pin 6 amps, -2Nos. modular sockets outlet point using 3 Nos. 2.5 sqmm FRLS insulated copper wires with GI box ,grid plate & screw less modular plate , 1 No.6 amps modular switch, 1 No. Blanking Plate, including connections etc. as required & as specified above	NUMBER	5.00		0.00
1770	Supplying, laying, terminations, testing & commissioning of 4 pair X 0.61 mm PVC insulated, PVC sheathed and taped tinned copper telephone unarmoured cable in existing conduits / Raceways	METER	100.00		0.00
1780	Supplying, laying, terminations, testing & commissioning of 4 pair UTP Cat - 6 PVC insulated, PVC sheathed tinned copper conductor cable in existing conduits as required / Raceways	METER	100.00		0.00
1790	Supplying and fixing modular type RJ -11 telephone sockets housed in GI boxes recessed in walls / partitions / panelling for telephone, outlets, including modular grid plate and screw less cover plate complete in all respects and as specified	EACH	4.00		0.00
1800	Supplying and fixing modular type RJ - 45 UTP sockets housed in GI boxes recessed in walls / partitions / panelling for Data outlets, including modular grid plate and screw less cover plate complete in all respects and as specified	EACH	4.00		0.00
1810	Supply, testing and commisioning of following LED Light fixture complete in all respects : Recessed floor spotlight made of anodised die-cast aluminium; roll-over weight up to 2000 kg; optionally with round bezel made of polished stainless steel; no visible screws; recessed floor housing in black, high-strength plastic, available as an accessory; single glass lens, bonded sealed cover in 12 mm safety glass (ESG); optional in +/- 15° ; energy-efficient LEDs with very good colour rendering; binning initial ? 3 MacAdam; available in the light colour 3000 K; CRI ? 80; min. 70 % of the luminous flux after 50000 hours; protection class IP 67; PC I; ambient temperatures from -20°C to + 50°C; Luminaire with integrated converter filled with resin ref. XAL FILO 160 (088-5353515M + 088-5390018) / Simes / BEGA	EACH	16.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1820	Supply, testing and commissioning of following LED Light fixture complete in all respects : 27W Luminaire housing made from extruded aluminium profile with 2000 mm cable suspension freely positionable; height adjustment without tools on luminaire; incl. transparent feeder cable; angular design; no visible screws; surface white powder coated or natural anodised aluminium; LED circuit board with highly reflective coating for improved efficiency; inset consisting of converter unit and PCB unit; mechanical and electrical connection without tools using twist closure; HPO (High Performance Opal) cover for uniform illumination; with increased transmission and diffusion; micro prismatic PMMA cover for reducing luminance; energy-efficient LEDs with high colour rendering; available in the light colours 3000 K, 4000 K and 5700 K; CRI > 80; min. 90 % of the luminous flux after 50,000 hours; protection class IP 40; PC I; Ref. XAL MINO 60 (i056-3234517H) / Zumtobel / LTS	EACH	32.00		0.00
1830	Supply, testing and commissioning of following LED Light fixture complete in all respects : 18W Round recessed spotlight made from die-cast of aluminium; fixed or tiltable 18°; improved glare reduction through deep recessed mounting ring; for ceilings from 2-25mm; surface gold powder coated; opal glass optical accessories available; passive cooling of LEDs with optimised heat sink geometry; available in light colours 3000 K, 4000 K and 5700 K; high quality reflector made of pure aluminium; precise radiation characteristics with two different beam angles, Non-Dimmable ref. XAL Clax 80 (i052-6612519F) / Zumtobel / LTS	EACH	55.00		0.00
1840	Supply, testing and commissioning of following LED Light fixture complete in all respects : 23W / Mtr Midget luminaire profile made from extruded aluminium; uniformly illuminated satin PMMA cover; plug and play through electrical connector system for toolless mounting; passively cooled LED system; available in 3 light colours; min. 80 % luminous flux after 50,000 operating hours; colour rendering CRI 95, R9 > 90; 700 mA converter plug and play; converter separately available Ref XAL Nano+Line / DGA / ALDABRA	METER	350.00		0.00
1850	"Supply, testing and commissioning of following LED Light fixture complete in all respects : 44W Round luminaire housing in die-cast aluminium; surface white powder coated; suitable for wall or ceiling mounting; completely homogeneously illuminated, satinised PMMA cover; same luminance for all flat luminaires; energy-efficient LEDs with very good colour rendering; binning initial ? 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ? 80; min. 90 % of the luminous flux after 50000 hours; luminaire with 2 cable openings and plug-in terminals for through wiring; protection class IP 54; PC I; shock resistance IK07; Dia 600mm ref. XAL SONO 600 IP54 (871-915617O)/ Simes / Bega"	EACH	3.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1860	Supply, testing and commissioning of following LED Light fixture complete in all respects : Customised suspended Hexagonal shape; 2 ft long each arm; 14W per arm, Non-Dimmable, White Finish, 4000K ref. XAL Mino 60 (customised)	EACH	2.00		0.00
1870	"Supply & Installation of custom made decorative lights as follows. Light - 1 (2 nos.) Light - 2 (6 nos.) Light - 3 (4 nos.) Light - 4 (8 nos.) Note: Photographs/drawings of desired quality/design of the materials but not limited to are attached.	LOT	1.00		0.00
1880	Supplying , fixing and laying of 20mm heavy duty MS conduit in false ceiling, floor , wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	METER	500.00		0.00
1890	Supplying , fixing and laying of heavy duty 25 mm MS conduit in false ceiling, floor , wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	METER	750.00		0.00
1900	Supplying , fixing and laying of 20mm heavy duty PVC conduit in floor, wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	METER	50.00		0.00
1910	Supplying , fixing and laying of 25 mm heavy duty PVC conduit in floor, wall panelling or partitions etc. includes all chase cutting and making the surface good along with the 18 SWG GI pull wire complete with all the accessories & as specified above, of the following sizes.	METER	50.00		0.00
1920	Providing , installation, testing and commissioning of Rate of rise cum fixed bimetallic type Heat Detectors with base.	EACH	1.00		0.00
1930	Providing, installation, testing & commissioning of Response Indicators	EACH	5.00		0.00
1940	Providing, installation, testing & commissioning of Electronic Hooters	EACH	2.00		0.00
1950	Providing , installation , testing & commissioning of Glass Break Type Manual Call Point.	EACH	4.00		0.00
1960	Supplying & laying of 2 x 1.5sqmm. FRLS insulated, copper, conductor wire in existing conduits in recess / surface including termination as req.	METER	500.00		0.00
1970	Supplying & laying of 3 x 1.5sqmm. FRLS insulated, copper, conductor wire in existing conduits in recess / surface including termination as req.	METER	100.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
1980	Providing and laying MS (Heavy) Pipe IS:1239 marked including all forged fittings and accessories such as screwed/welded flanges, tees, reducers etc. complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required of the following pipes painted with one coat of primer & two coats of post office red enamel paint fixed in ceiling, walls, columns for all heights with hangers, supports and fasteners all as per drawing including chasing of walls/columns/ceilings etc. and making good the same complete as required (for Sprinkler System). - 50mm dia	METER	50.00		0.00
1990	Providing and laying MS (Heavy) Pipe IS:1239 marked including all forged fittings and accessories such as screwed/welded flanges, tees, reducers etc. complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required of the following pipes painted with one coat of primer & two coats of post office red enamel paint fixed in ceiling, walls, columns for all heights with hangers, supports and fasteners all as per drawing including chasing of walls/columns/ceilings etc. and making good the same complete as required (for Sprinkler System). - 32mm dia	METER	10.00		0.00
2000	Providing and laying MS (Heavy) Pipe IS:1239 marked including all forged fittings and accessories such as screwed/welded flanges, tees, reducers etc. complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required of the following pipes painted with one coat of primer & two coats of post office red enamel paint fixed in ceiling, walls, columns for all heights with hangers, supports and fasteners all as per drawing including chasing of walls/columns/ceilings etc. and making good the same complete as required (for Sprinkler System). - 40mm dia	METER	5.00		0.00
2010	Providing and laying MS (Heavy) Pipe IS:1239 marked including all forged fittings and accessories such as screwed/welded flanges, tees, reducers etc. complete including painting, welding, jointing and neoprene gaskets, nuts, bolts etc. as required of the following pipes painted with one coat of primer & two coats of post office red enamel paint fixed in ceiling, walls, columns for all heights with hangers, supports and fasteners all as per drawing including chasing of walls/columns/ceilings etc. and making good the same complete as required (for Sprinkler System). - 50mm dia	METER	5.00		0.00
2020	Providing and fixing UL approved 1.20 mtr. long flexible sprinkler pipes made out of SS 304 with GI connector on both end with supports and clamps as required.	NUMBER	10.00		0.00
2030	Providing, fixing, testing & commissioning of sprinkler heads pendant / upright type with quartzond bulb operating temperature at 68 deg. C as per specification.	NUMBER	10.00		0.00
2040	"Outdoor Units - Heat Pump (R410A)-N. Cap. ODU- (12 HP) - Diakin model no. RXYQ12"	NUMBER	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2050	Indoor Units - Ceiling Mounted Duct Type- 4.6 TR - Diakin model no.FXMQ140	NUMBER	2.00		0.00
2060	Remote - Diakin model no.BRC4C65	NUMBER	2.00		0.00
2070	YJOINTS- Diakin model no.KHRP 73	NUMBER	1.00		0.00
2080	Installation, shifting / lifting, Testing & Commissioning of Variable Refrigerant Volume type air-conditioning system suitable to operate at 415+10% volt, 50 Hz,3 phase AC power supply for cooling/heating with inverter based compressor (Hermetically sealed scroll type) complete, power cable, necessary wiring , connection & termination etc. as per quantity given below as required. - 10 HP	NUMBER	1.00		0.00
2090	GAS CHARGING	KILOGRAM	10.00		0.00
2100	M/S stand for the placment of out door unit	NUMBER	1.00		0.00
2110	Installation, Testing and Commissioning of One Way Cassette indoor unit with evaporator coil, fan section with low noise fan, multispeed motor, outer cabinet, drain pan, spring isolator for hanging arrangement, pre-filter, silicon coated flexible duct connection, etc. complete as required. (Corded Remote Considered) - 4.65 TR	NUMBER	2.00		0.00
2120	Installation, Testing and Commissioning of Y-joints and headers of required sizes for SUB & connections of refrigerant pipes to units.	NUMBER	1.00		0.00
2130	Supply , Installation , Testing and Commissioning of site fabricated GSS rectangular ducting as per IS:655:2006 standard complete with fittings , flanges, supports , all accessories and any other item required to make the system complete - 22 Gauge	SQUARE METER	70.00		0.00
2140	Supply , Installation , Testing and Commissioning of site fabricated GSS rectangular ducting as per IS:655:2006 standard complete with fittings , flanges, supports , all accessories and any other item required to make the system complete - 20 Gauge	SQUARE METER	25.00		0.00
2150	Supply, Installation, Testing & Commisioning of powder coated extruded aluminum supply & exhaust air grilles & complete with nuts, bolts, screws etc. to make the system complete.	SQUARE METER	28.00		0.00
2160	Supply, Installation, Testing and Commissioning of powder coated extruded aluminium louvers with bird screen & volume control damper.	SQUARE METER	3.50		0.00
2170	Supply, Installation, Testing and Commissioning of powder coated aluminium diffusers	SQUARE METER	2.50		0.00
2180	Supply, Installation, Testing and Commissioning of powder coated extruded aluminium door transfer grille complete with nuts, bolts, screws etc. to make the system complete.	SQUARE METER	1.00		0.00
2190	Supply, Installation, Testing and Commissioning of powder coated extruded aluminium nozzles of approx. 200mm dia.	EACH	22.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2200	Supply and Fixing acoustic lining of supply air duct with 25 mm thick resin bonded glass wool having density of 32 kg/m ³ , with 25 mm x 25 mm GI section of mm thick , at 600 mm centre to centre covered with double layer reinforced plastic tissue paper and 0.5 mm thick perforated aluminium sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications.	SQUARE METER	15.00		0.00
2210	Supply and Fixing nitrile rubber insulation supply air duct with 6/9 mm thick with adssive SR 555 nuts, bolts, stick pins, compound etc. complete as required and as per specifications.	SQUARE METER	35.00		0.00
2220	Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 28.6 mm dia / 19 mm thick insulation	METER	10.00		0.00
2230	Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 22.2 mm dia / 19 mm thick insulation	METER	6.00		0.00
2240	Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 19.1 mm dia / 13 mm thick insulation	METER	12.00		0.00
2250	Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 15.9 mm dia / 13 mm thick insulation	METER	45.00		0.00
2260	Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 12.7 mm dia / 13 mm thick insulation	METER	10.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2270	Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 9.5 mm dia / 13 mm thick insulation	METER	45.00		0.00
2280	Supply , Installation, Testing and Commissioning of Refrigerant piping (Inside the Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with 19 mm/ 13mm thick Aluminium faced pre-laminated Nitrile rubber insulation , interconnecting control cabling between indoor / outdoor units, support, complete in all respects for following sizes. - 6.4 mm dia /13 mm thick insulation	METER	10.00		0.00
2290	Supply , Installation, Testing and Commissioning of Refrigerant piping (Outside of Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with Aluminium faced pre-laminated Nitrile rubber of 19 mm/13 mm thick ,interconnecting control cabling between indoor / outdoor units. Insulated Refrigerant piping , complete in all respects for following size. - 28.6 mm dia / 19 mm thick insulation	METER	5.00		0.00
2300	Supply , Installation, Testing and Commissioning of Refrigerant piping (Outside of Building) (including circuit of liquid & suction- 0.8 mm thickness for soft pipe and 1.0 mm for hard pipe) insulated with Aluminium faced pre-laminated Nitrile rubber of 19 mm/13 mm thick ,interconnecting control cabling between indoor / outdoor units. Insulated Refrigerant piping , complete in all respects for following size. -12.7 mm dia / 13 mm thick insulation	METER	5.00		0.00
2310	Supply and Fixing in position the following UPVC (suitable for minimum 10kg/sq cm working pressure) condensate drain pipe insulated with 6 mm thick closed cell nitrile rubber insulation. - 32 mm dia	METER	25.00		0.00
2320	Supply, Installation, Testing & Commissioning Of Wheel Chair Platform Lift – 300 Kg, 2 Stops, With 2 Way Rocker Post Mounted Call Stations Including Stop Buttons, Nitrocarburised Finished Steel And Aluminium Construction & 5 Year Anti Corrosion Warranty Complete As Per Specifications As Enclosed. Bidder to take prior approval by submitting complete technical data sheet & shop drawing.	EACH	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2330	"Providing and fixing in position multi function recess panel automatic paper dispenser, hand dryer & waste receptacle ref. Euronics cat. No. KINOX KMR 3A having key features as follows : Door - 18-8, Type-304, 1.2mm Stainless Steel Cabinet - 18-8, Type-304, 0.8mm Stainless Steel. Auto Roll Towel Dispenser -18-8, Type-304, 0.8mm, Infrared Sensor – Battery operated : 4 X D size Alkaline Batteries. Hand Dryer: 550W (No heating element) Waste Container - 18-8, Type-304, 0.8mm Stainless Steel. Capacity: 23 Litres. Wall Opening required: 335mm (W) x 1615mm (H) x 165mm (D)"	NUMBER	4.00		0.00
2340	"Providing and fixing white vitreous china wall hung type water closet (European type) with Quiet- close seat and cover, C.P. brass hinges and rubber buffers , CI/MS chair, complete including painting of fittings and brackets, cutting and making good walls and floors where ever required. W.C. pan with soft close white solid plastic seat and lid.(Make Kohler Code. No.72986IN-S-00 or approved equivalent"	NUMBER	5.00		0.00
2350	Providing and fixing P.V.C. low level concealed flushing cistern 3/6 lit.dual flush with manually controlled front operated device of Kohler make including Providing and fixing Twinline, dual flush actuator device controlling the cistern flush with all fittings and fixtures complete. with all fittings and fixtures complete. ref. Kohler cat. no. 77027IN-P-NA + 4177IN-M-CP	NUMBER	5.00		0.00
2360	Providing and fixing table top basin ref. Kohler cat Mica vessel Green 90011T-0 or approved equivalent with 32mm C.P. brass waste & union of standard pattern, including painting of fittings, cutting and making good the walls wherever require. All the items shall be of approved make.	NUMBER	6.00		0.00
2370	Supplying and fixing urinal with battery backup and urinal sensor, fixing to wall with required materials like teak wood plugs, packing pieces, screw nails, testing etc complete. All the items shall be of approved make.(Make Kohler cat. no. Bardon 4904T-ER-0 + 8791T-C01-CP or approved equivalent).	EACH	2.00		0.00
2380	Providing and fixing wall mount basin faucet with base flange complete in all respects ref. Kohler cat. No. K-9106IN-4ND-CP or approved equivalent.	NUMBER	6.00		0.00
2390	Providing and fixing C.P. brass toilet paper holder with flap complete in all respect ref. Kohler cat. No. 5633IN-CP or approved equivalent	NUMBER	4.00		0.00
2400	Providing & fixing Bottle trap to wash basins with CP necessary fittings complete in all respect Ref. Kohler cat. 7314IN-CP Bottle Trap or approved equivalent	NUMBER	8.00		0.00
2410	Providing and fixing Basic Health faucet with flexible tube and wall hook complete in all respect.(Make kohler cat. 12927IN-CP or approved equivalent)	NUMBER	5.00		0.00
2420	Providing and fixing Bib cock with wall flange ref. Jaquar cat. No. SOL-6047 or approved equivalent	NUMBER	4.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2430	Angular stop cock with wall flange ref.Kohler cat. No. 80154IN-4-CP or approved equivalent	NUMBER	11.00		0.00
2440	Providing & fixing Double Robe hook Jaquar make ACN 1161 N	NUMBER	4.00		0.00
2450	Providing & fixing Manual Soap dispenser with wall mount ref. Kohler cat. No. 10712D-CP	NUMBER	4.00		0.00
2460	Providing & fixing Digital Programmable fragrance dispenser of Euronics make EA 03	NUMBER	2.00		0.00
2470	Providing and fixing 6mm thick copper back finish looking mirror of required size with bevelled edges over 12mm thick marine ply fixed using SS Studs of requisite size to create a gap of maximum distance 75mm from finished wall surface. All complete as per approval and instructions of the Engineer-in-charge of Modi Guard / Asahi/Saint-Gobain/Golden Glass make	SQUARE METER	7.00		0.00
2480	"UPVC PIPE AND FITTINGS FOR INTERNAL DRAINAGE Providing, fixing, testing and commissioning of UPVC pipe SWR type 'B' conforms to IS : 13592-1992 with all fittings such as bends, tees, elbow, 'Y', offset, cleaning pipe door, clamps and steel structural supports etc. including cutting the floors, walls and making good the same in cement concrete 1:2:4 & cement mortar 1:4. The wall thickness of pipe and technical characteristic conforms to IS : 13592-1992 type 'B'. The fitting dimension conforming to IS : 14735-1999. The jointing to be completed with rubber ring joint/solvent weld joint of make Supreme.Prince or approved equivalent make - 110 mm (OD) SWR Pipe"	METER	25.00		0.00
2490	"UPVC PIPE AND FITTINGS FOR INTERNAL DRAINAGE Providing, fixing, testing and commissioning of UPVC pipe SWR type 'B' conforms to IS : 13592-1992 with all fittings such as bends, tees, elbow, 'Y', offset, cleaning pipe door, clamps and steel structural supports etc. including cutting the floors, walls and making good the same in cement concrete 1:2:4 & cement mortar 1:4. The wall thickness of pipe and technical characteristic conforms to IS : 13592-1992 type 'B'. The fitting dimension conforming to IS : 14735-1999. The jointing to be completed with rubber ring joint/solvent weld joint of make Supreme.Prince or approved equivalent make - 160 mm (OD) SWR Pipe"	METER	5.00		0.00
2500	"Providing and laying cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate, 20 mm down gauge) 75 mm in bed and all around UPVC waste pipes under floor, including shuttering and necessary reinforcement etc. complete as required for:110 mm (OD)"	METER	25.00		0.00
2510	"Providing & fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100mm inlet & 75mm outlet SCI S&S as per IS - 3989."	NUMBER	8.00		0.00
2520	"Providing, fixing, testing and commissioning of UPVC cleanout plug conforming to IS : 14735-1999 complete with all fitting; accessories and civil work. 110 mm OD"	NUMBER	4.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2530	"Providing, fixing, testing and commissioning of UPVC waste Pipe conforming to IS : 4985-2000 class IV (6 Kg/Sq.cm) including all moulding fittings conforming to IS : 7834 (Part-1 - Part -7) 1987 such as tees, bends, reducers, coupling, adopters etc. solvent welded joint as per manufacturer recommendation including cutting and making good the walls, floors, R.C.C. work etc. (For waste connection) of make Supreme,Prince etc or approved equilent make. - 40 mm (OD)"	METER	15.00		0.00
2540	Providing, fixing, testing and commissioning of UPVC waste Pipe conforming to IS : 4985-2000 class IV (6 Kg/Sq.cm) including all moulding fittings conforming to IS : 7834 (Part-1 - Part -7) 1987 such as tees, bends, reducers, coupling, adopters etc. solvent welded joint as per manufacturer recommendation including cutting and making good the walls, floors, R.C.C. work etc. (For waste connection) of make Supreme,Prince etc or approved equilent make. - 50 mm (OD)	METER	10.00		0.00
2550	Providing, fixing, testing and commissioning of UPVC waste Pipe conforming to IS : 4985-2000 class IV (6 Kg/Sq.cm) including all moulding fittings conforming to IS : 7834 (Part-1 - Part -7) 1987 such as tees, bends, reducers, coupling, adopters etc. solvent welded joint as per manufacturer recommendation including cutting and making good the walls, floors, R.C.C. work etc. (For waste connection) of make Supreme,Prince etc or approved equilent make. - 63 mm (OD)	METER	10.00		0.00
2560	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 15 mm nominal outer dia .Pipes."	METER	70.00		0.00
2570	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 20 mm nominal outer dia pipes."	METER	30.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2580	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 25 mm nominal outer dia .Pipes."	METER	5.00		0.00
2590	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 32 mm nominal outer dia .Pipes."	METER	5.00		0.00
2600	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 40 mm nominal outer dia .Pipes."	METER	5.00		0.00
2610	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. - 50 mm nominal outer dia .Pipes."	METER	2.00		0.00
2620	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make.15 mm nominal outer dia. Pipes."	METER	60.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2630	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make. 20 mm nominal outer dia. Pipes."	METER	50.00		0.00
2640	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make. 25 mm nominal outer dia. Pipes."	METER	40.00		0.00
2650	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work . make Astrall, Supreme or approved equilent make. 32 mm nominal outer dia. Pipes."	METER	25.00		0.00
2660	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 15 mm dia	NUMBER	4.00		0.00
2670	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm dia	NUMBER	4.00		0.00
2680	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm dia	NUMBER	2.00		0.00
2690	Providing and fixing forged brass auto air vent valve 10 PN rating including all fitting & accessories.	NUMBER	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2700	<p>"WATERPROOFING OF TOILETS/SUNKEN PORTIONS</p> <p>Providing and applying a two component polymer based cementitious waterproofing system using in following sequence :</p> <p>Cleaning the internal surface areas thoroughly so that they are free of all contaminants like dirt and laitance & to remove all the loose materials by various mechanical means. Removal of all surface Imperfections, protrusions ,loose concrete & filling of cracks using Dr.fixit URP-Polymer Modified Mortar in the ratio Cement: Sand (1:4) and 5% by weight of cement. Providing and making fillets at the junction of the walls and the slabs using cement mortar of 1:4 mix admixed with 5 % of SBR latex by weight of cement. Supplying & sealing the Sanitary pipe inserts, electrical fit-outs, etc provided in the floor & walls with Bathseal Tape. Supplying & grouting the gaps around the pipe inserts with Bathseal Grout or Dr. Fixit Microconcrete. The "Nahani" trap, etc is to be fitted securely in the same manner & the gaps around it to be grouted with Bathseal Grout or Dr. Fixit Microconcrete. Supplying & applying 2 coats of Dr. Fixit Bathseal WPC in the sunken areas & extending it up to 150mm above the finished floor level. Extend the coating in shower splash zone 1.5m wide x 1.8m high. This includes laying of a 150mm wide strip of an open woven glass fiber mesh over the angle fillets on the 1st coat while it is still wet. Laying protection plaster 15mm, 1:4 admixed with Dr.fixit Pidiproof LW+ integral waterproofing compound as per IS 2645 @200 ml per bag of cement."</p>	SQUARE METER	50.00		0.00
2710	<p>"WATERPROOFING FOR TERRACE</p> <p>Base preparation of cleaning, brushing and removal of any loose/flacky materials, in case of pot holes/cracks, the same shall be repaired with polymer modified cement mortar using SBR latex. Applying Dr.Fixit Flexi PU 270(I) liquid applied, pure polyurethane based, single component,Anti root, low VOC, elastomeric, seamless, waterproof membrane with elongation of400%,tensile strength of 4 Nsqmm,crack bridging upto 2mm applied in 2 coats over one coat of primer at a total consumption of min. 1.8 Kg./ Sq.Mt. to achieve a DFT of 1.5 mm & thereafter providing & laying 120 GSM polyester geotextile layer. Further laying protective concrete screed of average 75 mm using M20 grade concrete with minimum thickness of 40 mm at the rain water outlet and a slope of 1:120, making wattas at the junctions of horizontal and vertical surfaces to a float finish, well compacted, curing for 7 days etc. complete."</p>	SQUARE METER	20.00		0.00
2720	Supply,Installation,Testing & Commissioning of Professional Grade 2 way Multipurpose FOH Loudspeaker System, LF - 12", HF - 1" exit, Max SPL : 129db / 1m, RMS Power : 400W (AES), Nominal Impedence : 8 ohms, Nominal Dispersion : 90 x 60, 7 Integrated flying points. Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER	2.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2730	Supply,Installation,Testing & Commissioning of High Quality Compact Subwoofer, Single 13", Max SPL: 130 db / 1m, 600W RMS / 1200W ProgramRMS, Nominal Impedence 4 ohms.Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER	2.00		0.00
2740	Supply,Installation,Testing & Commissioning of Two way Stage Monitor Loudspeaker system, LF - 8", HF - 1" Exit, Max SPL 121db/1m, RMS 150W, Nominal impedance : 8 ohms . Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER	2.00		0.00
2750	Supply,Installation,Testing & Commissioning of Wall Mount Speakers for Green Room - LF - 5", , Max SPL 120db/1m, RMS 30W, Nominal impedance : 8 ohms. Approved Make : Martin Audio / Celto Acoustique / Renkus Henz.	NUMBER	1.00		0.00
2760	Supply,Installation,Testing & Commissioning of Professional Dual channel Power amplifier, 2x 300W @ 8 ohms, 2 x 450W @ 4 ohms, Inbuilt Xover - Bypass / Highpass / low pass operation . Approved Make : Martin Audio / VAL / Renkus Henz.	NUMBER	2.00		0.00
2770	Supply,Installation,Testing & Commissioning of Professional Dual Channel Power amplifier, 2 x 500W @ 8 ohms, 2 x 750W @ 4 ohms, 2 x 1000W @ 2 ohms, V Guard protection .Approved Make : Martin Audio / VAL / Renkus Henz.	NUMBER	2.00		0.00
2780	Supply,Installation,Testing & Commissioning of Professional Dual Channel Power amplifier, 100W @ 8 ohms, V Guard protection . Approved Make : Yamaha / Bosch / Pace.	NUMBER	1.00		0.00
2790	Supply,Installation,Testing & Commissioning of Slim Line Gooseneck Microphone with Polar pattern Hypercardioid , Frequency range 50 to 19,000 Hz , Sensitivity12 mV/PA, =-38 dBV re 1 V/Pa , Max. SPL125 dB (for 1% THD) , Equivalent noise level <21 dB-A , Signal/noise ratio (A-weighted) >73 dB ,Impedance<=600 ohms , Recommended load impedance>=2,000 ohms Supply voltage9 to 52 V phantom power to DIN 45596 (DPA adapter integrated) Connector3-pin male XLR complete as per the specifications. Approved Make : AKG/TOA/ Shure.	NUMBER	2.00		0.00
2800	Supply,Installation,Testing & Commissioning of Wired microphone - Wired Handheld Microphone, super cardioid polar, 50-16,000Hz, 100-14,000Hz (1m) etc. complete with installation as per the site requirement. Approved Make : AKG/TOA/ Shure.	NUMBER	2.00		0.00
2810	Supply,Installation,Testing & Commissioning of Microphone stand. Microphone Stand etc. complete with installation as per the site requirement. Make : Bosch / GS.	NUMBER	2.00		0.00
2820	Supply,Installation,Testing & Commissioning of Cordless Handheld Microphone with Carrier frequency range: 660 to 865 MHz, 8 selectable frequencies. Signal/noise ratio: typ. 110 dB(A) Audio outputs: bal. XLR and unbal. 1/4 in. jack, output level adjustable, at rated deviation: 500 mV rms complete as per the specifications. Approved Make : AKG/TOA/ Shure.	NUMBER	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2830	Supply,Installation,Testing & Commissioning of Digital Signal Processor, 2 balanced line inputs on plug-in barrier strips, 4 balanced outputs on plug-in barrier strips, Ethernet port for software configuration / control, serial port for third-party RS-232 remote control etc. complete with installation as per the site requirement. Approved Make :DBX / Ashley / Yamaha / V-Tech	NUMBER	1.00		0.00
2840	Supply,Installation,Testing & Commissioning of Audio mixing console . 22 total inputs mixing console with Effects, Mid-sweep 3-band mono channel EQ, 4-band stereo channel EQ, buses for flexible signal routing: main stereo bus, four group buses, six auxiliary buses, and send buses for the two internal effect processors etc. complete with installation as per the site requirement. Approved Make : Mackie / Soundcraft/Yamaha.	NUMBER	1.00		0.00
2850	Supply, Installation, Testing & commissioning of LED Indoor Video wall (True Colour) with 4.00 mm Pixel Pitch or lesser , Minimum size required 4300 x 2550 mm , BIS Certified , Brightness calibrated 800 Nits , Pixel Configuration SMD 3 in 1 LED , Color temperature 3200-3900K adjustable , Brightness uniformity 97°/o , Viewing angle 140/140 degree , complete with power distribution board & wall/ceiling mounting hardware , signal cables etc to make LED wall fully functional(Valid BIS certification LED wall to be provided along with supply of material) . Approved Make : Barco / Delta / Mitsubishi .	NUMBER	1.00		0.00
2860	Supply, installation, testing & commissioning of Controller cum processor with Inputs of 1 x HDMI, 1x DVI, 2 x VGA , 2 xCVBS, 1 xDPI, SDI & 4 x scaled outputs , mage processor to display Picture in Picture , or single.Approved Make : Barco / Delta / Mitsubishi / LED OEM Certified.	NUMBER	1.00		0.00
2870	Supply,Installation,Testing & Commissioning of Wireless Digital Data Transmitter for transmission of Data / Video signal from laptop with 2 switches to connect laptops , Operating system Windows XP/Vista/7/8/8.1 32 & 64 bit Mac OSX 10.6/10.7/10.8/10.9 , Android 2.2) . Approved Make : Barco /Vowvision	NUMBER	1.00		0.00
2880	Supply, installation, testing & commissioning of PTZ ,Camera with HD Resolution Real High Definition Image with 1/2.8 inch or better, high quality HD CMOS sensor , 1920 x 1080 super high quality video ,20 x or more zoom with 12x or more digital zoom, Pan Range: 170deg or more With HD output interface for video & RS 232/ RS 422 for controls 10 or more preset position . Approved Makes : Lumens / Panasonic / Bosch .	NUMBER	3.00		0.00
2890	Supply, installation, testing & commissioning of Joystics control for the above mentioned cameras with control capacity upto 4 nos. cameras , PAN / Tilt / Zoom feature.Approved Makes :Panasonic / Lumens / Bosch .	NUMBER	1.00		0.00
2900	Supply, installation, testing & commissioning of Preview Monitor of 18" diagonal , Resolution 1920 x 1080 .Approved Makes : LG / Samsung / Viewsonic .	NUMBER	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
2910	Supply Installation Testing & Commissioning of Touch Control System with 7 " Touch panel , Control processor with required IR Probes to control AV equipments. Approved Make : Crestron / AMX / Neets.	NUMBER	1.00		0.00
2920	Supply,Installation,Testing & Commissioning of Floor Junction Box with XLR Connector. Approved Make : Customized.	NUMBER	4.00		0.00
2930	Supply,Installation,Testing & Commissioning of HDMI Twisted pair long distance transmitter cum receiver for sending HDMI, audio, and bidirectional RS-232 and IR signals, Range up to 100 feet over a shielded CATx cable , Resolution up to 1920 x1200, 1080p/60 Deep Color, and 3D . Approved Make : Extron / Delta / Lightware.	NUMBER	4.00		0.00
2940	Supply,Installation,Testing & Commissioning of Video Data Switcher Cum scaler with 4 x HDMI Inputs , 2 X VGA Output , 1 x Scaled Output on HDMI. Approved Make : Extron / Delta / Logic.	NUMBER	1.00		0.00
2950	Supply,Installation,Testing & Commissioning of HD recording & Streaming processor, supporting H.264, with Internal recording of minimum 1 Tb , media server , multicasting on H.264+/H.264, Network Interface 1 x RJ-45 port(1000Mbps) complete as per the specifications . Approved Make: Extron / Mediapointe / Panasonic	NUMBER	1.00		0.00
2960	Supply,Installation,Testing & Commissioning of Equipment Rack with front door , Castors . Approved Make : Valrack / President / EL	NUMBER	1.00		0.00
2970	Supply,Installation,Testing & Commissioning of Shielded Twisted Pair Cable , Conductor Metal: Solid Bare Copper with 23 AWG Color Code: Blue/ Grey (or any combination) , Jacket Material: PVC UL94V-0 .Approved Make : Krystal / Polycab / Belden / D-Link.	METER	200.00		0.00
2980	Supply,Installation,Testing & Commissioning of Speaker cable Stranded 2 X 1.5 sq mm, PVC insulated and soft PVC sheathed copper low loss, low conductance. Approved Make : Krystal / Polycab / Belden / D-Link.	METER	200.00		0.00
2990	Supply,Installation,Testing & Commissioning of Microphone Cable with high?quality shielded pair for routing balanced mono or unbalanced stereo mic stranded 20AWG tinned copper.Approved Make : Krystal / Polycab / Belden / D-Link.	METER	400.00		0.00
3000	Supply & installation of-LIGHT BAR 50mm dia B class M/s pipe to be hung from existing grid or roof structure for side wings, lighting bars. Make- Customised	NUMBER	3.00		0.00
3010	Supply & installation of- 1000 W Halogen profile light consisting of 2 nos. 150mm dia PC lenses, imported socket, ellipsoidal anodized aluminums reflector, 1000W halogen BipinT-11 lamp, yoke colour frame & suitable clamp (Lamps Osram)Make- Neo Stage Craft & Sai Stage Lighting	NUMBER	2.00		0.00
3020	Supply & installation of - 1000W Halogen Fresnel light consisting of 1000W Halogen Bipin T-11 lamp, 150mm dia, Imported socket, bottom sliding knob, yoke, colour frame & suitable clamp.(Lamps Osram)Make- Neo Stage Craft & Sai Stage Lighting	NUMBER	4.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
3030	Supply & installation of - 500 W Halogen light with mash & barn door consisting of 2nos. single contact compressible holders, yoke, 500W halogen tube & suitable clamp. Make- Neo Stage Craft & Sai Stage Lighting	NUMBER	2.00		0.00
3040	Supply & installation of 1000W, 240 Volt, PAR Sealed Beam Light with CRC Sheet Metal and aluminum die casting, mat black color, yoke & clamp 1 lamp Philips.Make- Neo Stage Craft & Sai Stage Lighting	NUMBER	10.00		0.00
3050	Supply & installation of- 1000W Halogen Plano convex spot light complete with 1000 W Halogen Bipin T-11 lamp, spherical anodized reflector, imported socket, and 150mm dia plan convex lens, bottom sliding knob, yoke, color frame & suitable clamp. Make- Neo Stage Craft & Sai Stage Lighting	NUMBER	4.00		0.00
3060	Supply & installation of Control panel with Internal Flash Drive, similar in functionality to a hard disk but faster and more rugged. Provides enough storage for:- The entire Fixture Library of more than 3,000 files, Over a hundred show files. Removable external Memory Stick. Cache the entire Fixture library of more than 3,000 files, Improved method of Fixture selection for Patching, New Locate Fixture button, Fixture Selects (selecting the top row of faders), 2048 Channels. 240 Intelligent Fixtures. 240 Dimmer Control Channels. Theatrical Plotting and Playback functions. Shape Generator for instant creation of patterns and effects. 15 Playback Masters controlling 450 memories, chases or cue lists. MIDI and Bass, Mid, Treble sound to light triggers. Colour VGA output fitted as standard. Front panel now reverse printed Poly Carbonate Laminate using technology from the Diamond 4, this is incredibly hard wearing and looks excellent. Each console individually has an electronic serial number, linked to physically engraved metalwork numbering making reselling of stolen consoles more difficult. Supplied with PC applications: Avolites Visualiser, Pearl Simulation program and Cache builder etc all complete as per direction .	NUMBER	1.00		0.00
3070	Supply & installation of- Wall mounted dimmer with patch panel 12 nos single phase 4 KW electronic dimmers to be distributed in 3 phases with suitable bus bar arrangement housed in sheet metal enclosure. Digital output, output light indicator, local controls etc. Make- Neo Stage Craft & Sai Stage Lighting	NUMBER	1.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
3080	Supply & installation of - 54 LEDs 3W 15° (54 red, 54 green and 54 blue) 4 digital display. There dimmer manual mode, running, strobe, speed adjustable, adjust the data with a power saving, boot automatically recover data. DMX 512 protocol - 6 DMX channels Main dimmer , RGB color changing , Strobe effect, Auto play with internal programs , Master/Slave function, Stand alone mode . Power supply: AC 100V-AC240V 50/60 Hz. Light power connect maximum range. Consumption: 165W . Weight: 3.5 kg. Make- Neo Stage Craft & Sai Stage Lighting	NUMBER	14.00		0.00
3090	Supply & installation of -LED cob par LIGHT 200w 1 ld RGBW (Warm white optional) LED 4,6,7,9,3 DMX channel, End to end capability digital display, Angle 25° (optional 30°,45°)Dimmer 0-100% linerly Adustable strobe:-0-20F.P.S.,IP rating :- IP65, Control :-512,Ac Power: 90-260v Auto Sensing, power con in and oout,power consumption:220w ,DMX Data in/out 3 pin XLR. all complete, Make- Neo Stage Craft	NUMBER	6.00		0.00
3100	Supply & installation of - Moving Head Sharpy Light 230w,POWER SUPPLIES 110-240V 50/60 Hz , INPUT POWER,LAMP SOURCE Discharge lamp with a short arc burner in a reflector system - Type: YODA MSD Platinum 7R,-Output Lamp power: 230W- Colour temperature: 8,500 K,- Average life: 2,000 h OPTICS,3-lens optical group combination,Focus: electronic Light output at 20 meters (65 feet): 59,760 lux,COLOR SYSTEM Interchangeable color wheel with 14 colors + open EFFECTS SECTION, Interchangeable gobo wheel with 17 fixed gobos + open,High speed shake effect,8-face rotating prism SHARPY 23,Frost filter,Mechanical shutter and adjustable speed strobe effect,Mechanical dimmer,CONTROL AND PROGRAMMING 16 DMX 512 control channels ,Display: LED RED Display Pan/Tilt Resolution: 16 bit,Movement control: vectorial DMX signal connection: 3 PIN output,BODY, Aluminium structure with die-cast plastic cover.Two side handles for transportation. Device locking PAN and TILT mechanisms for transportation and maintenance. MOVING BODY. Travel:- PAN = 540°- TILT = 50°ELECTRONICS, Function reset from the lighting desk ON/OFF lamp control from the lighting desk" AUTOTEST" function from menu Electronic monitoring with status error SAFETY DEVICES Bipolar circuit breaker with thermal protection. Automatic break in power supply in case of overheating or failed operation of cooling system. Forced ventilation with axial fans.Hanging system: with fast-lock omega clamps (1/4 turn) on the base.Make- Neo Stage Craft	NUMBER	2.00		0.00
3110	Supply & installation of -Blinder 4way Light sources. :DWE 120v 650w x4,Power supply: Ac 220v-240v/50hz,DMX channel:-1 channel Dimmer. all complete , Make- Neo Stage Craft	NUMBER	2.00		0.00

Name of Bidder:					
Item No.	Description of Services	Unit of Measurement	Estimated Quantity	Unit Rate (Rs.) including all taxes but excluding GST (To be quoted by the Bidders)	Total Amount including all taxes but excluding GST (Rs.)
A	B	C	D	E	F=D*E
3120	Supply & installation of 8 Channel DMX Splitter: DMX SPLITTER WITH ONE INPUT AND SIX OUTPUTS WITH COMPLETE INTERNAL WIRING AND ALL OUTPUT ELECTRICALLY ISOLATED FROM INPUT. Splitter shall be suitable for one DMX universe and all connections shall be through 3/5 pin XLR connectors complete with electrical input wire etc all complete , Make- Neo Stage Craft	NUMBER	1.00		0.00
3130	Supply & installation of - S/L of DMX control wiring from stage (point of installation of wall mount Dimmer) to Stage Lighting Mixer. Make- finolex, skytone	LUMPSUM	1.00		0.00
3140	Supply & installation of - Light Point Wiring from Patch Panel to be provided near stage to various stage light fixtures with 2.5 Sq.mm 3 Core PVC Insulated and PVC Sheathed Cable including of suitable size for laying these wires including 16 amps sockets with box at top. Make- finolex, skytone	NUMBER	46.00		0.00
TOTAL ESTIMATED CONTRACT COST INCLUDING ALL TAXES BUT EXCLUDING GST (Rs.), I					0.00
GST AMOUNT PAYABLE EXTRA ON TOTAL ESTIMATED CONTRACT PRICE (Rs.), II					
TOTAL EVALUATED CONTRACT COST INCLUDING ALL TAXES & GST (Rs.), III = I+II					
GST RATES CONSIDERED BY BIDDER IN ESTIMATED CONTRACT PRICE				IGST :	
				CGST :	
				SGST :	
SAC Code:					

Note: Comparison of techno-commercially acceptable offers will be done on Total evaluated contract cost, i.e. 'III' in above

(END OF SECTION-VI)

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder/Contractor"

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for Interior decoration works at reception, auditorium & facade of OIL house, Plot No. 19, Sector-16A, Noida. 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 Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organization "Transparency International" (TI). Following TI's national and international experience, 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:

1. 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.
2. 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 contract execution.
3. 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 relevant Anti-Corruption Laws of India, 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/Contractor

(1) The Bidder/Contractor commits 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.

1. The Bidder/Contractor 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.

2. The Bidder/Contractor 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.

3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor 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, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

4. The Bidder/Contractor 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/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(3) The Bidder/Contractor signing Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

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

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or risibility 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/Contractor 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/Contractor 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 transgressions 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 and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder/Contractor 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.

4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

5. Integrity Pact, in respect of a particular contract, shall be operative from the date Integrity Pact is signed by both the parties till the final completion of the contract or

as mentioned in Section 9- Pact Duration whichever is later. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings

Section 4 -Compensation for Damages

- (1)** If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit / Bid Security.
- (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 Contractor liquidated damages equivalent to Security Deposit / Performance Bank Guarantee.
- (3)** The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor 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 or the liquidated damages, the Bidder/Contractor 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 transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector 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.

Section: 6 -Equal treatment of all Bidders/Contractor/Subcontractors

- (1)** The Principal will enter into Pacts on identical terms with all bidders and contractors.
- (2)** The Bidder / Contractor undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the provisions laid down in this agreement/Pact by any of its sub-contractors/sub-vendors.
- (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/Contractors/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section: 8 -External Independent Monitor/Monitors

- (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. He reports to the Chairperson of the Board of the Principal.

(3) The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor 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 Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.

(4) 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 Contractor. The parties offer to the Monitor the option to participate in such meetings.

(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 heal the violation, 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. However, the Independent External Monitor shall give an opportunity to the bidder / contractor to present its case before making its recommendations to the Principal.

(6) The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 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 Chairperson of the Board a Substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson 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 parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

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

Section:10 -Other provisions

(1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.

(2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

(3) If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

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

.....
For the Principal

.....
For the Bidder/Contractor

Witness 1:

Witness 2:

Place.
Date .

(END OF SECTION-VII)

COMMERCIAL CHECK LIST

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" (WHEREVER APPLICABLE) TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

Sl. No.	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes/ No
2.0	Whether exempted from submission of Bid Bond? (To provide details if exempted)	Yes/ No
3.0	If NO to 2.0 above, Whether ORIGINAL Bid Bond (not copy of Bid Bond) Sent separately? If YES, provide details	Yes/ No
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
4.0	Whether quoted offer validity of 120 (One Hundred Twenty) days from the original date of Technical bid opening?	Yes/ No
5.0	Whether all BEC/BRC clauses accepted?	Yes/ No
5.1	Whether documentary evidence submitted in support of requirements as per BEC/BRC?	Yes/ No
5.2	Whether Undertaking submitted as per Annexure-II towards submission of authentic information/documents along with the Un-priced Techno-Commercial Bid?	Yes/ No
6.0	Whether prices submitted as per Bidding format?	Yes/ No
6.1	Whether Bidding format uploaded under “Notes and Attachments” tab in the main bidding engine of OIL’s e-Tender portal?	Yes/ No
7.0	Whether confirmed acceptance of tender Payment Terms?	Yes/ No
8.0	Whether confirmed to submit PBG as asked for in NIT?	Yes/ No
9.1	Whether Integrity Pact accepted?	Yes/ No
9.2	Whether Integrity Pact along with the Un-priced Techno-Commercial Bid?	Yes/ No
10.0	Whether agreed to submit Performance Security / Security Deposit within 2 weeks of the issue of Letter of Award/order?	Yes/ No
11.0	Whether quoted as per NIT (without any deviations)?	Yes/ No
11.1	Whether quoted any deviation?	Yes/ No
11.2	Whether deviation separately highlighted?	Yes/ No

Offer ref Dated

(END OF SECTION-VIII)

GENERAL HEALTH, SAFETY & ENVIRONMENT (HSE) MEASURES

1. It will be solely the Contractor's responsibility to fulfill all the legal formalities with respect to the Health, Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. Ensure that all sub-contractors hired by him comply with the same requirement as the contractor himself and shall be liable for ensuring compliance all HSE laws by the sub or sub-sub contractors.
2. Every person deployed by the contractor in a mine must wear safety gadgets to be provided by the contractor. The Contractor shall provide proper Personnel Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and company PPE schedule. Safety appliances like protective footwear, Safety Helmet and Full Body harness has to be DGMS approved. Necessary supportive document shall have to be submitted as proof. If the Contractor fails to provide the safety items as mentioned above to the working personnel, the Contractor may apply to the Company (OIL) for providing the same. OIL will provide the safety items, if available. But in turn, OIL will recover the actual cost of the items by deducting from Contractor's Bill. However, it will be the Contractor's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. All the safety gears mentioned above are to be provided to the working personnel before commencement of the work.
3. The Contractor shall prepare written Safe Operating Procedure (SOP) for the work to be carried out, including an assessment of risk, wherever possible and safe methods to deal with it/them. The SOP should clearly state the risk arising to men, machineries & material from the mining operation / operations to be done by the contractor and how it is to be managed.
4. The contractor shall provide a copy of the SOP to the person designated by the mine owner who shall be supervising the contractor's work.
5. Keep an up to date SOP and provide a copy of changes to a person designated by the Mine Owner /Agent /Manager.
6. Contractor has to ensure that all work is carried out in accordance with the Statute and SOP and for the purpose he may deploy adequate qualified and competent personnel for the purpose of carrying out the job in a safe manner. For work of a specified scope/nature, he should develop and provide to the mine owner a site specific code of practice in line.
7. All persons deployed by the contractor for working in a mine must undergo Mines Vocational Training, initial medical examination, PME. They should be issued cards stating the name of the contractor and the work and its validity period, indicating status of MVT, IME & PME.
8. The contractor shall submit to DGMS returns indicating - Name of his firm, Registration number, Name and address of person heading the firm, Nature of work, type of deployment of work persons, Number of work persons deployed, how many work persons hold VT Certificate, how many work persons undergone IME and type of medical coverage given to the work persons.
9. The return shall be submitted quarterly (by 10th of April, July, October & January) for contracts of more than one year. However, for contracts of less than one year, returns shall be submitted monthly.
10. It will be entirely the responsibility of the Contractor/his Supervisor/representative to ensure strict adherence to all HSE measures and statutory rules during operation in

OIL's installations and safety of workers engaged by him. The crew members will not refuse to follow any instruction given by company's Installation Manager / Safety Officer / Engineer / Official / Supervisor/Junior Engineer for safe operation.

11. Any compensation arising out of the job carried out by the Contractor whether related to pollution, Safety or Health will be paid by the contractor only.

12. Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the contractor.

13. The contractor shall have to report all incidents including near miss to Installation Manager / departmental representative of the concerned department of OIL.

14. The contractor has to keep a register of the persons employed by him/her. The contractor's supervisor shall take and maintain attendance of his men every day for the work, punctually.

15. If the company arranges any safety class / training for the working personnel at site (company employee, contractor worker, etc) the contractor will not have any objection to any such training.

16. The health check up of contractor's personnel is to be done by the contractor in authorized Health Centers as per OIL's requirement & proof of such test(s) is to be submitted to OIL. The frequency of periodic medical examinations should be every five years for the employees below 45 years of age and every three years for employees of 45 years of age and above.

17. To arrange daily tool box meeting and regular site safety meetings and maintain records.

18. Records of daily attendance, accident report etc. are to be maintained in Form B, E, J (as per Mines Rules 1955) by the contractor.

19. A contractor employee must, while at work, take reasonable care for the health and safety of people who are at the employee's place of work and who may be affected by the employee's act or omissions at work.

20. A contractor employee must, while at work, cooperate with his or her employer or other persons so far as is necessary to enable compliance with any requirement under the act or the regulations that is imposed in the interest of health, safety and welfare of the employee or any other person.

21. Contractor's arrangements for health and safety management shall be consistent with those for the mine owner.

22. In case Contractor is found non-compliant of HSE laws as required company will have the right for directing the contractor to take action to comply with the requirements, and for further non-compliance, the contractor will be penalized prevailing relevant Acts/Rules/Regulations.

23. When there is a significant risk to health, environment or safety of a person or place arising because of a non-compliance of HSE Measures Company will have the right to direct the contractor to cease work until the non-compliance is corrected.

24. The contractor should prevent the frequent change of his contractual employees as far as practicable.

25. The contractor should frame a mutually agreed bridging document between OIL & the contractor with roles and responsibilities clearly defined.

26. For any HSE matters not specified in the contract document, the contractor will abide the relevant and prevailing Acts/rules/regulations/ pertaining to Health, Safety and Environment.

(END OF SECTION-IX)

CONFIDENTIALITY AND NON- DISCLOSURE AGREEMENT

This confidentiality and non-disclosure agreement is executed on..... ' 20__ between

M/s.....

AND

OIL INDIA LIMITED (hereinafter referred to as OIL), a Government of India Enterprise having its Corporate office at Plot No. 19, Sector, 16A, Noida, Uttar Pradesh - 201301, India which expression, unless the context otherwise requires, shall include its successors and assigns acting through its duly authorized representatives;

WHEREAS, OIL and M/s _____ have entered into a contract for "Interior decoration works at reception, auditorium & facade of OIL house, Plot No. 19, Sector-16A, Noida". M/s _____ will have access to certain proprietary and confidential information in due course of time as and when required to be used during the course of time for execution of jobs to be carried out under the project, hence the confidentiality agreement is executed on the terms and condition set henceforth.

As used herein "Confidential Information" means all plans, specifications, manuals, numerical results, general conclusions, design reports, studies, cost estimates, and all other materials, information and data developed by, or in the possession a party and which is directly or indirectly made available to the other party in any form or which is directly or indirectly made available to the other party during the performance of the services. Accordingly, each party is willing to allow the other party to have access to such information, under the following terms and conditions:

1. Each party agrees that it will maintain in confidence and will not disclose to any third party, without the other party's prior written permission, any confidential information that is disclosed to it directly or indirectly. Each party further agrees that it will limit access to Confidential Information to only those employees of their company who actually need to know such Confidential Information for carrying out the above indicated purpose of this agreement.
 2. Each party agrees that:
 - a) It will not use any of their Confidential Information for any purpose other than as necessary to perform its services;
 - b) It will promptly return to the other party all documents provided by such party which contain Confidential Information (including all copies thereof) and
 - c) Based on the study result of this dataset, no technical paper or presentation will be published/ shared in any forum/ technical seminar without prior consent of OIL. Upon written request, except that each party shall be entitled to retain one copy of such information for archival purposes only.
 3. Each party agrees that it will inform each of its employees who receives or has access to any Confidential Information of the provisions of this Agreement.
 4. The foregoing obligations of each party shall not apply to:
 - a) Information which, at the time of disclosure, is in the public domain as evidenced by printed publication or otherwise;
 - b) Information which, after disclosure, becomes part of the public domain by publication or otherwise through no act or failure to act of each party;
 - c) Information which each party can show was in its possession prior to the time of disclosure and was not acquired directly or indirectly from the other party;
- Or

- d) Information which is received by each party subsequent to the time of disclosure from a third party who has the right to disclose such information and who did not acquire the same directly or indirectly from each party.

Disclosures made to each party in connection with this Agreement shall not be deemed to be within the foregoing exceptions merely because they are embraced by more general information in the public domain or in the possession of each party.

5. All Confidential Information disclosed by a party pursuant to or in connection with this Agreement shall at all times remain the property of that party.

6. This Agreement shall be construed and the rights of the parties shall be determined in accordance with the laws of India.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed in duplicate by their duly authorized representatives, effective as of 2019.

M/s.....

By: _____ Witness: _____

Title: _____ Title: _____

Date: _____ Date: _____

OIL INDIA LIMITED

By: _____ Witness: _____

Title: _____ Title: _____

Date: _____ Date: _____

(END OF ANNEXURE-I)

**FORMAT OF UNDERTAKING BY BIDDERS TOWARDS SUBMISSION OF
AUTHENTIC INFORMATION/DOCUMENTS**

(To be typed on the letter head of the bidder)

Ref. No _____

Date _____

Sub: Undertaking of authenticity of information/documents submitted

Ref: Your tender No. CLI2038P20 Dated 25.07.2019

To,
The CGM (C&P)
Oil India Limited
Plot No. 19, Sector-16 A Noida

Sir,

With reference to our quotation against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,

For (*type name of the firm here*)

Signature of Authorised Signatory

Name :

Designation :

Phone No.

Place :

Date :

(Affix Seal of the Organization here, if applicable)

(END OF ANNEXURE-II)

BID FORM

To
M/s. Oil India Limited,
Plot No. 19, Sector-16 A, NOIDA

Sub: TENDER No. CLI2038P20

Gentlemen,

Having examined the General Terms & Conditions, Special Conditions of Contract, Scope of Work & Other Conditions of Contract and Schedule of Rates including all attachments thereto, the receipt of which is hereby duly acknowledged, we the undersigned offer to perform the work/services in conformity with the said conditions of Contract and Terms of Reference for the sum of _____ **“NOT TO BE QUOTED HERE WHILE SUBMITTING ALONG WITH UN-PRICED TECHNO-COMMERCIAL (TECHNICAL) BID”** *(Total Bid Amount in words and figures)* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to commence the work as per the terms & conditions set out in the subject tender.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum not exceeding 10% of contract value excluding GST for the due performance of the Contract.

We agree to abide by this Bid for a period of 120 days from the original date fixed for Technical Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your notification of award shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____ 20__.

Authorised Person's Signature: _____

Name: _____

Designation: _____

Seal of the Bidder:

CERTIFICATE OF SITE VISIT

(To be typed on the letter head of the bidder)

To,
The CGM (C&P)
Oil India Limited
Plot No. 19, Sector-16 A Noida

Sub: TENDER No. CLI2038P20

This is to certify that we the undersigned have visited the site and assessed the actual quantum of work before quoting our rates against Tender No. **CLI2038P20** for **Interior decoration works at reception, auditorium & facade of OIL house, Plot No. 19, Sector-16A, Noida.**

We also certify that we are also fully aware of rules and regulations, terms & conditions and other statutory requirements to perform the jobs as per Scope of Work (Section V) mentioned under this tender.

We also undertake that we shall obtain all necessary clearances before commencement of the job as per relevant laws and shall not damage the environment arising out of the work under this contract.

Yours faithfully,

For (type name of the firm here)

Signature of Authorized Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

TO BE ISSUED BY PRACTISING **CHARTERED ACCOUNTANTS' FIRM** ON THEIR
LETTER HEAD

TO WHOM IT MAY CONCERN

This is to certify that the following financial positions extracted from the audited financial statements of (Name of the Bidder) for the last three (3) completed accounting years upto**(as the case may be)** are correct.

YEAR	TURN OVER In INR (Rs.)	NET WORTH In INR (Rs.)

Place:

Date:

Seal:

Membership Number and Firm Registration Number :

Signature

PROFORMA FOR UNDERTAKING / AFFIDAVIT IN TERMS OF NOTE-II
UNDER CLAUSE 1.2 OF BEC/BRC OF TENDER NO. CLI2038P20

I _____ the authorized signatory(s) of _____ (Company or Firm name with address) do hereby solemnly affirm and declare/ undertake as under:

The balance sheet/Financial Statements for the financial year _____ have actually not been audited as on the Original Bid Closing Date.

Yours faithfully,

For (type name of the firm here)

Signature of Authorized Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

Note: Bidders to take note that this certificate is to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the Original Bid Closing Date.

STATEMENT OF NON-COMPLIANCE (IF ANY)
(TO CLAUSES OTHER THAN THOSE IN BEC-BRC)

(Only exceptions/deviations to be rendered)

1.0 The Bidder shall furnish detailed statement of **exceptions/deviations**, if any, to the Tender stipulations, terms and conditions in respect of each Section of Bid Document other than BEC-BRC in the following format:

Section No.	Clause No. (Page No.)	Non-Compliance	Remarks

Signature of Authorised Signatory: _____

Name of Authorised Signatory: _____

Name of Bidder: _____

NOTE:

OIL INDIA LIMITED expects the bidders to fully accept the terms and conditions of the bid document. However, should the bidders still envisage some exceptions/deviations to the terms and conditions of the bid document, other than those in BEC-BRC, the same should be indicated as per above format and submit along with their bids. No deviation will be accepted in the clauses covered under BEC-BRC. If the “**Statement of Non-Compliance**” in the above Proforma is left blank (or not submitted along with the Bid), then it would be constructed that the bidder has not taken any exception/deviation to the Tender requirements.

PROFORMA LETTER OF AUTHORISATION FOR ATTENDING BID OPENING

To
Chief General Manager (C&P)
Oil India Limited
Plot No. 19, Sector-16 A,
Noida, U.P.

Sir,

Sub: OIL's TENDER No. CLI2038P20

I / We _____ confirm that Mr./ Ms. _____ (Name and address) as authorised to represent us during bid opening on our behalf with you against Tender Invitation No. **CLI2038P20** for **Interior decoration works at reception, auditorium & facade of OIL house, Plot No. 19, Sector-16A, Noida.**

Yours Faithfully,

Authorised Person's Signature: _____

Name: _____

Signature of Bidder: _____

Name: _____

Date: _____

PROFORMA LETTER OF AUTHORITY

To
Chief General Manager (C&P)
OIL INDIA LIMITED
Plot No. 19, Sector-16 A,
Noida, U.P.

Dear Sir,

SUB: OIL TENDER No. CLI2038P20

We _____ of _____
Confirm _____ that _____ Mr./Ms.

(Name and Address) is authorised to represent us to Bid, negotiate and conclude the agreement on our behalf with you against Tender Invitation No. **CLI2038P20** for **Interior decoration works at reception, auditorium & facade of OIL house, Plot No. 19, Sector-16A, Noida** for any commercial / Legal purpose etc.

We confirm that we shall be bound by all and whatsoever our said representative shall commit.

Authorised Person's Signature: _____

Name: _____

Yours faithfully,

Signature : _____

Name & Designation _____

For & on behalf of _____

NOTE: This letter of authority shall be on printed letter head of the bidder, and shall be signed by a person competent and having the power of attorney (Power of attorney shall be annexed) to bind such Bidder.

**[TO BE FILLED-UP / SUBMITTED BY THE VENDOR ON ITS LETTER HEAD
FOR E-REMITTANCE]**

Name:

FULL Address:

Phone Number:

Mobile Number:

E-mail address:

Fax Number:

Bank Account Number (in which the Bidder wants remittance against invoices):

Bank Name:

Branch:

Address of the Bank:

Bank Code:

IFSC/RTGS Code of the Bank:

NEFT Code of the Bank:

PAN Number:

GST Registration Number:

Signature of Bidder with Official Seal

FORM OF BID SECURITY (BANK GUARANTEE FORMAT)

To:

M/s. OIL INDIA LIMITED,

C&P DEPARTMENT,

PLOT NO. 19, SECTOR-16A, NOIDA-201 301, UTTAR PRADESH

WHEREAS, (Name of Bidder) _____ (hereinafter called "the Bidder") has submitted their offer Dated _____ for the provision of certain services (hereinafter called "the Bid") against OIL INDIA LIMITED, Duliajan, Assam, India (hereinafter called the Company)'s Tender No. _____ KNOW ALL MEN BY these presents that we (Name of Bank) _____ of (Name of Country) _____ having our registered office at _____ (hereinafter called "Bank") are bound unto the Company in the sum of (*_____) for which payment well and truly to be made to Company, the Bank binds itself, its successors and assignees by these presents.

SEALED with the

said Bank this ____ day of _____ 20__

THE CONDITIONS of these obligations are:

1. If the Bidder withdraws their Bid within its original/extended validity; or
2. The Bidder modifies/revises their bid suomoto; or
3. The Bidder does not accept the contract; or
4. The Bidder does not furnish Performance Security Deposit within the stipulated time as per tender/contract; or
5. If it is established that the Bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice.

We undertake to pay to Company up to the above amount upon receipt of its first written demand (by way of letter/fax/cable), without Company having to substantiate its demand provided that in its demand Company will note that the amount claimed by it is due to it owing to the occurrence of any of the conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including the date (**--/--/--) and any demand in respect thereof should reach the Bank not later than the above date.

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:

BANK FAX NO:

BANK EMAIL ID:

BANK TELEPHONE NO.:

IFSC CODE OF THE BANK:

B. Controlling Office:

Address of the Controlling Office of the BG issuing Bank:

Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

SIGNATURE AND SEAL OF THE GUARANTORS _____

Name of Bank & Address _____

Witness _____

(Signature, Name and Address)

Date: _____

Place: _____

* The Bidder should insert the amount of the guarantee in words and figures.

** Validity of Bank Guarantee should be minimum 150 days from the original date of Technical bid opening, i.e. minimum till **02.02.2020**.

FORM OF PERFORMANCE BANK GUARANTEE

To:

M/s. Oil India Limited,
Plot No. 19, Sector-16 A,
Noida, U.P. - 201301

WHEREAS _____ (Name and address of Contractor) (hereinafter called "Contractor") had undertaken, in pursuance of Contract No. _____ to execute (Name of Contract and Brief Description of the Work) _____ (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee as security for compliance with Contractor's obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are Guarantors on behalf of the Contractor, up to a total of (Amount of Guarantee in figures) _____ (in words _____), such amount being payable in the types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or modification.

This guarantee is valid until the _____ day of _____

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:
BANK FAX NO:
BANK EMAIL ID:
BANK TELEPHONE NO.:
IFSC CODE OF THE BANK:

B. Controlling Office:

Address of the Controlling Office of the BG issuing Bank:

Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

SIGNATURE AND SEAL OF THE GUARANTORS _____
Designation _____
Name of Bank _____
Address _____

Witness _____
Address _____
Date _____
Place _____

FORMAT FOR HINDRANCE REGISTER

Description of Project:

Contract No. & Date:

Contractor's Name :

Scheduled Completion Date:

Sl. No.	Nature of Hindrance	Items of work that could not be executed because of this hindrance	Date of start of hindrance	Date of Removal of hindrance	Period of hindrance	Overlapping Period, if any	Net hindrance days	Remarks
Signature of Contractor's Representative			Signature of Engineer-in-charge			Signature of HoD		

SAMPLE FORM OF AGREEMENT

THIS AGGREEMENT is made on the day of 20__, between (Name of Company) _____ of (Mailing address of Company) _____, hereinafter called "the Company", of the one part and (Name of Contractor) _____ (hereinafter called "the Contractor") of the other part.

WHEREAS the Company is desirous that certain works should be executed viz. (Brief description of works) _____ and has, by Letter of Award dated (Date of Letter of Acceptance) _____, accepted a Bid by the Contractor for the execution, completion and maintenance of such works.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - a) This form of Agreement,
 - b) The Letter of Award,
 - c) The said Bid and Appendix,
 - d) The Technical Specifications, if any
 - e) Confidentiality and Non-Disclosure Agreement
 - f) Schedule of Rates
 - g) Scope of Work and Special Terms & Conditions and
 - h) General Conditions of Contract
3. The aforesaid documents shall be taken as complementary and mutually explanatory of one another, but in the case of ambiguities or discrepancies they shall take precedence in the order set out above.
4. In consideration of the payment to be made by the Company to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Company to execute, complete and maintain the works in conformity in all respects with the provisions of the contract.
5. The Company hereby covenants to pay the Contractor in consideration of the execution, completion and maintenance of the works the Contract price at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have set their respective hands and seals to this Agreement on the day, year first written above.

SIGNED, SEALED AND DELIVERED.

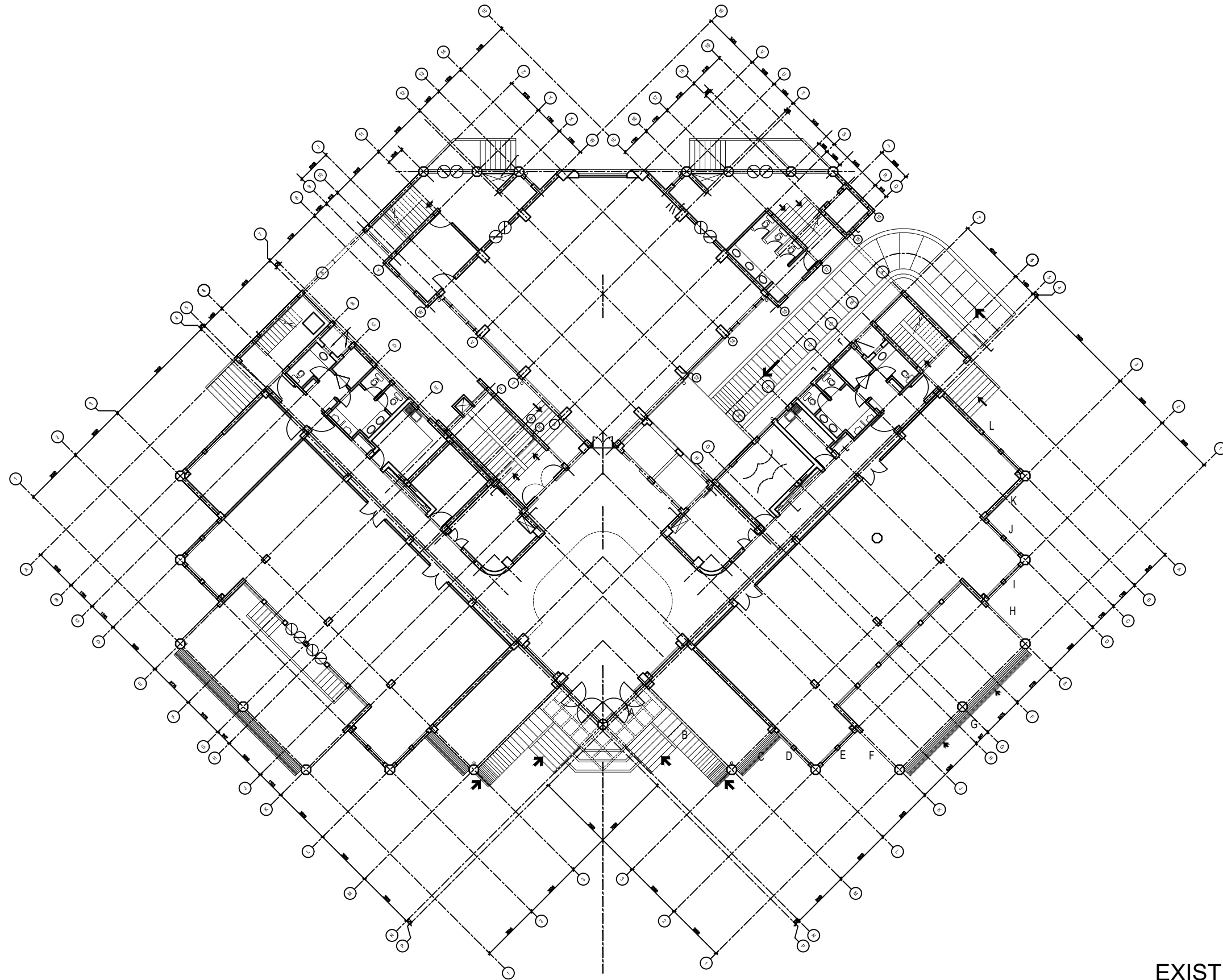
By the said Name _____

On behalf of the Contractor
in the presence of:

**INTERIOR DECORATION WORKS AT RECEPTION, AUDITORIUM & FACADE OF OIL HOUSE AT PLOT
NO. 19 , SECTOR- 16A , NOIDA - 201301**

LIST OF DRAWINGS

S.No	DRAWING TITLE	Drg.no
1	Existing plan	TD \01
2	Dismantling plan	D/01
3	site plan	TD \02
4	Ground Floor Plan (Proposed)	TD \03
5	lunch room	TD \04
6	toilets	TD \05
7	Porch	TD \06
8	Gate & Guard room plan	TD \07
9	auditorium column detail	TD \08
10	Auditorium	TD \10
11	Ground lvl Ceiling Plan (Atrium)	TD \11
12	Ceiling Plan (Auditorium)	TD \12
13	Ceiling Plan (Porch)	TD \13
15	First lvl Ceiling Plan (Atrium)	TD \14
16	Second lvl Ceiling Plan (Atrium)	TD \15
17	Atruim Railing	TD \16
18	Zinc cladding details	TD \18
19	Reception Table	TD \FD \01



EXISTING DRAWING

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R6.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

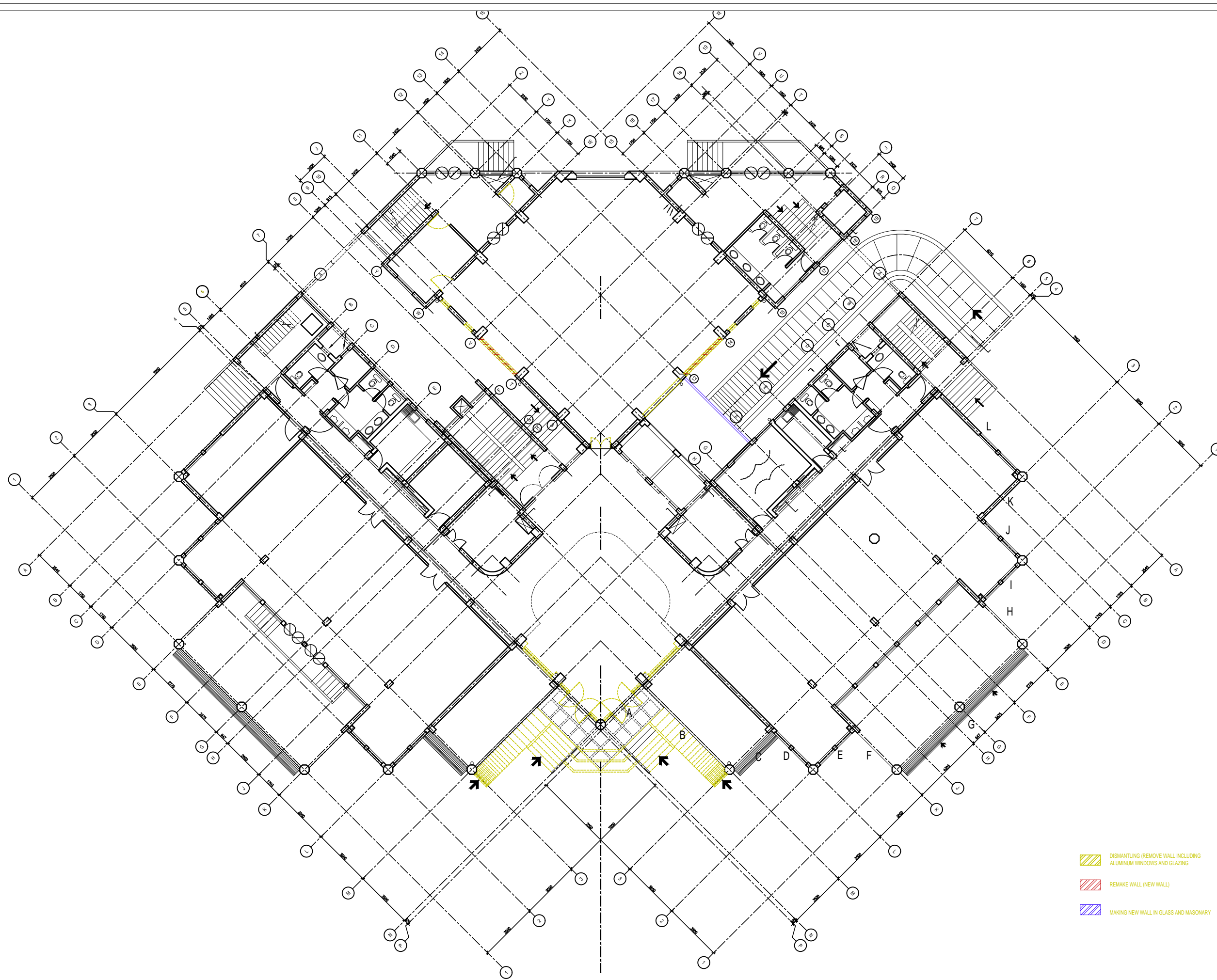
Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:
GROUND FLOOR PLAN

DRG. No. : TD/01
DATE : 05/04/2019
DEALT BY : O.P.VERMA
email : contact@sgauppal.com

SGA



- DISMANTLING (REMOVE WALL INCLUDING ALUMINUM WINDOWS AND GLAZING)
- REMAKE WALL (NEW WALL)
- MAKING NEW WALL IN GLASS AND MASONARY

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : F:\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R7.dwg					

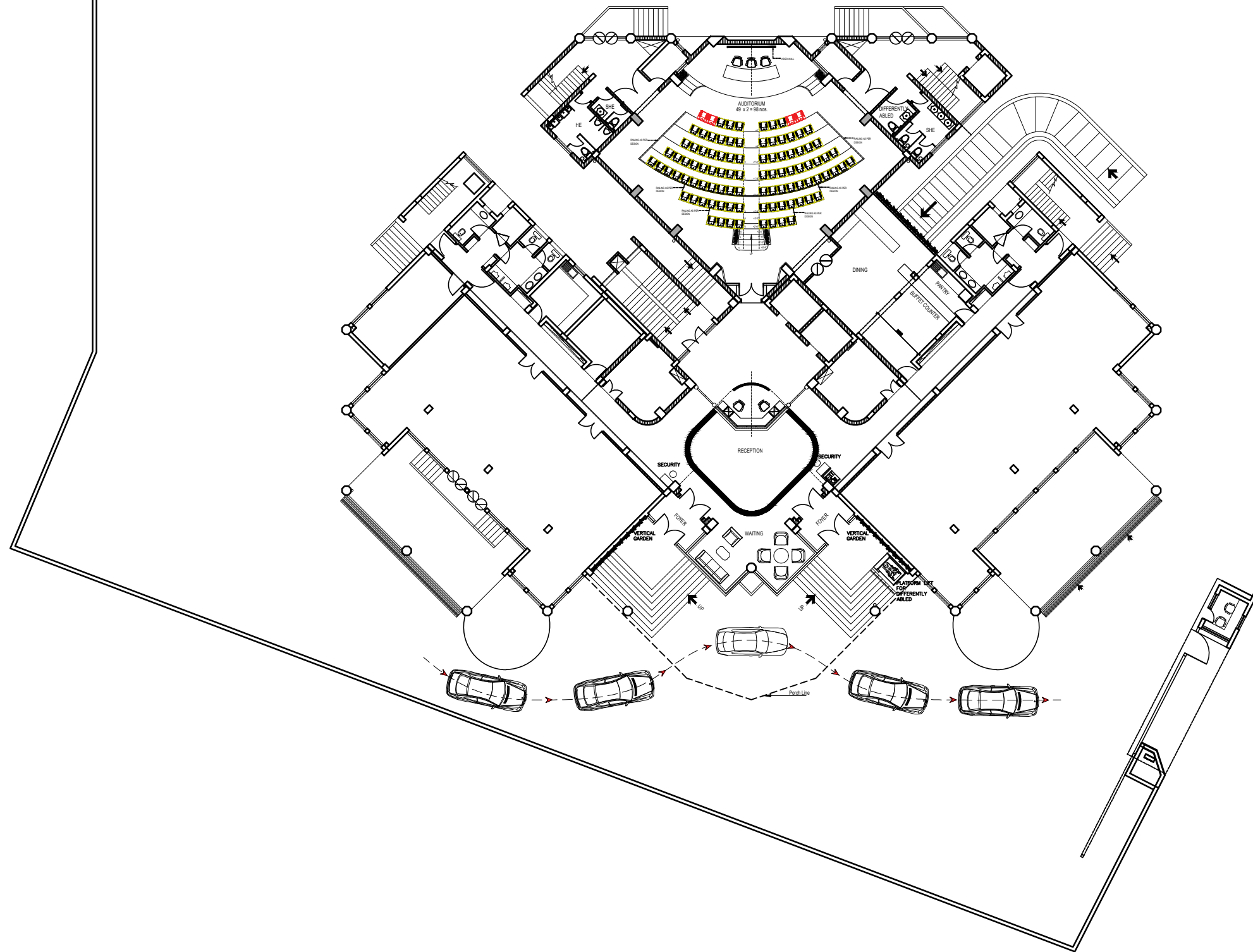
PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:	
DISMANTLING GROUND	
DRG. No. : D/01	DATE : 30/03/2019
DEALT BY : HITESH JHANJ	
email : contact@sgauppal.com	





PROPOSED DRAWING

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R6.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

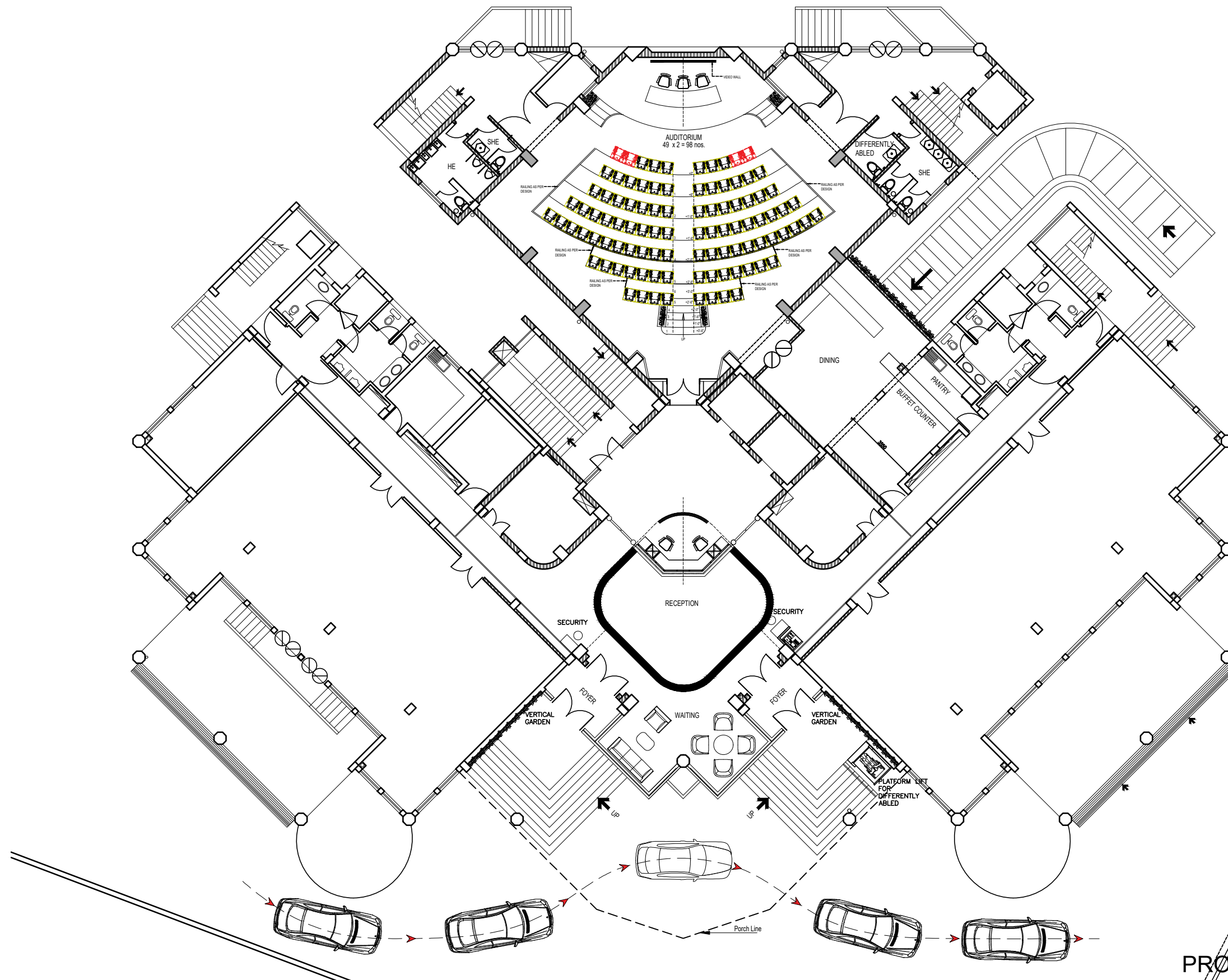
Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:
SITE PLAN

DRG. No. : TD/02
DATE : 05/04/2019
DEALT BY : O.P.VERMA
email : contact@sgauppal.com

SGA



PROPOSED DRAWING

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\FV1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R6.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

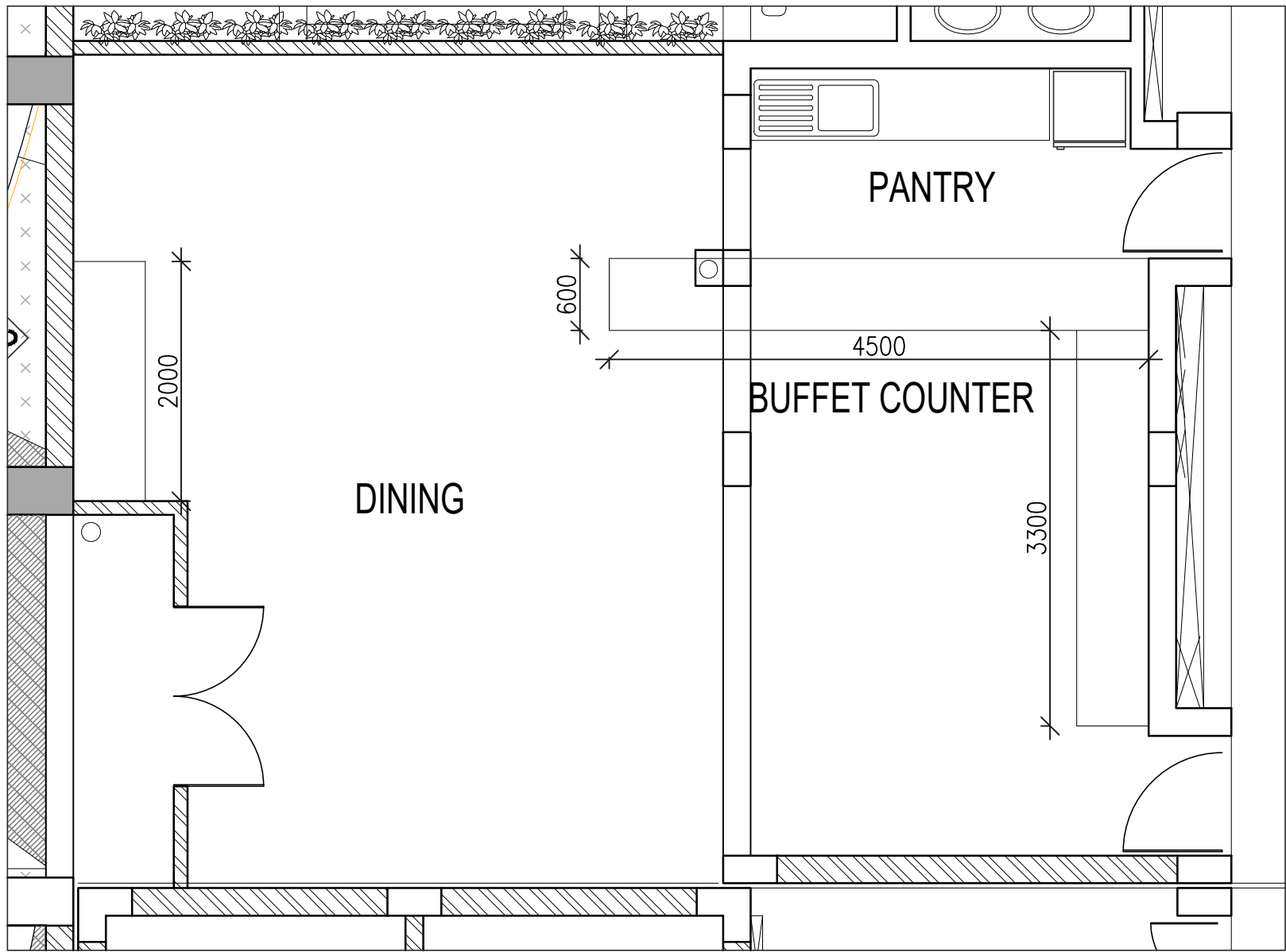
Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:
GROUND FLOOR PLAN

DRG. No. : TD/03
DATE : 05/04/2019
DEALT BY : O.P.VERMA
email : contact@sgauppal.com

SGA



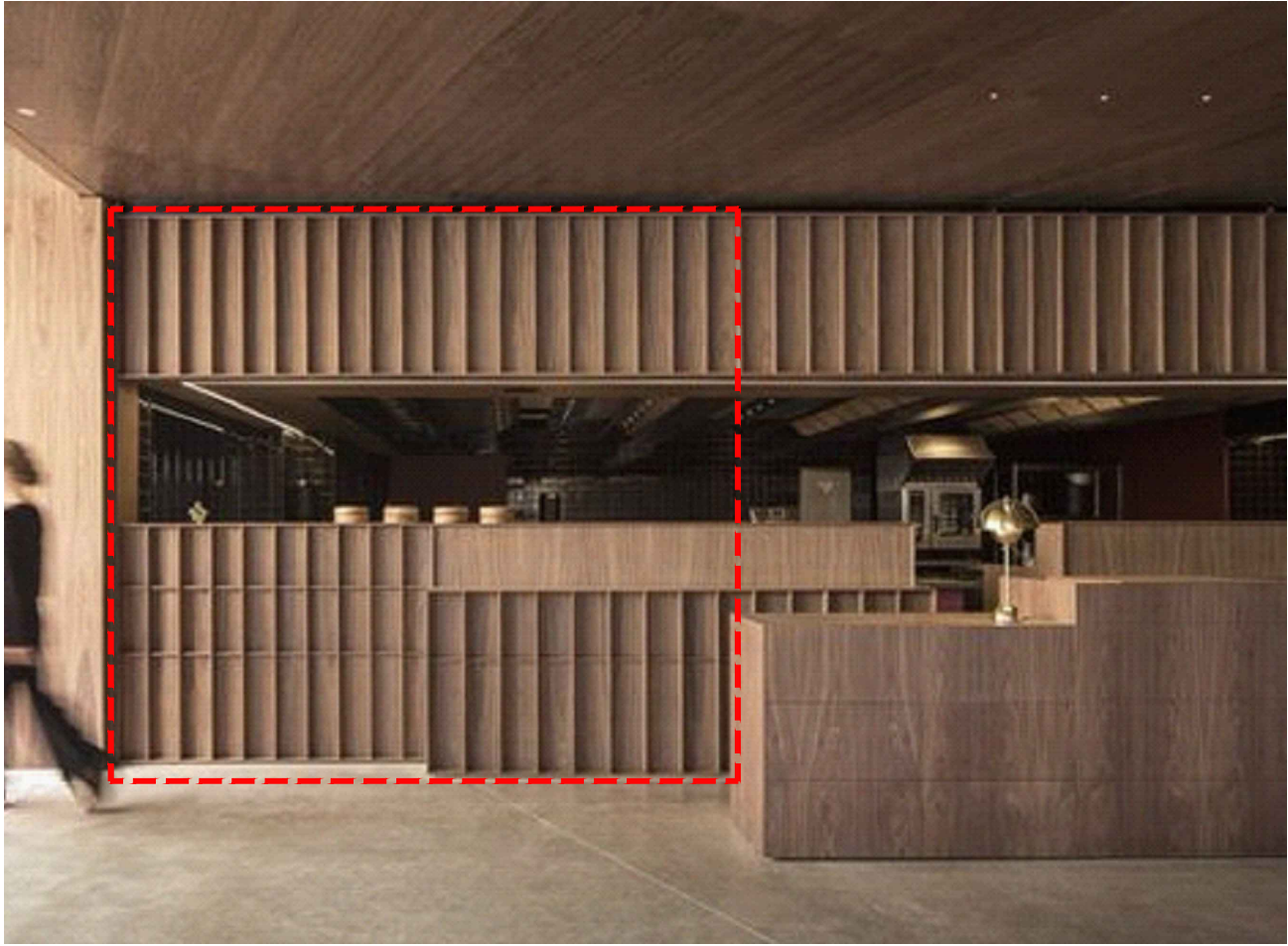
DINING PLAN

MATERIAL SPECIFICATIONS

- Flooring : Arcedia (Laminam)
- Buffet Counter Top : Arcedia (Laminam)
- Wall panelling : American Walnut



Detail of Buffet Counter



Detail of Pantry Wall

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R7.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

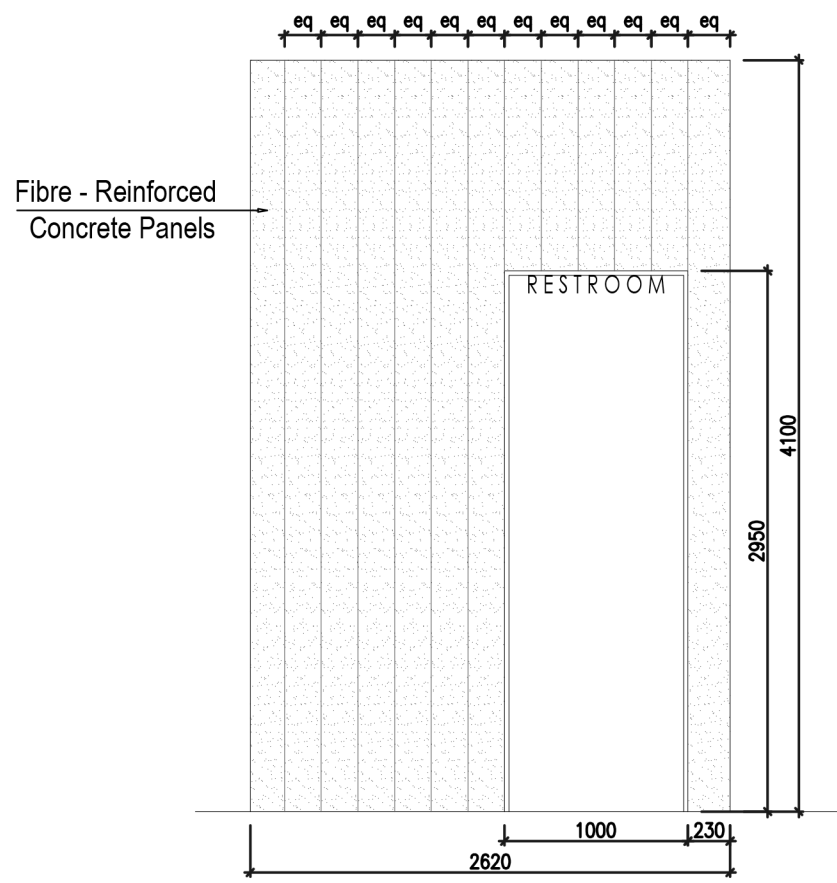
DRG. TITLE:
DINING

DRG. No. : TD/04

email : contact@sgauppai.com

DATE : 05/04/2019
DEALT BY : AARVI JHANJI

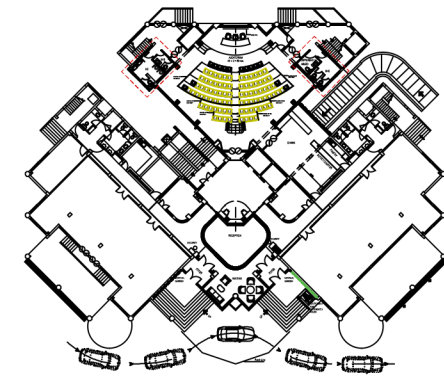




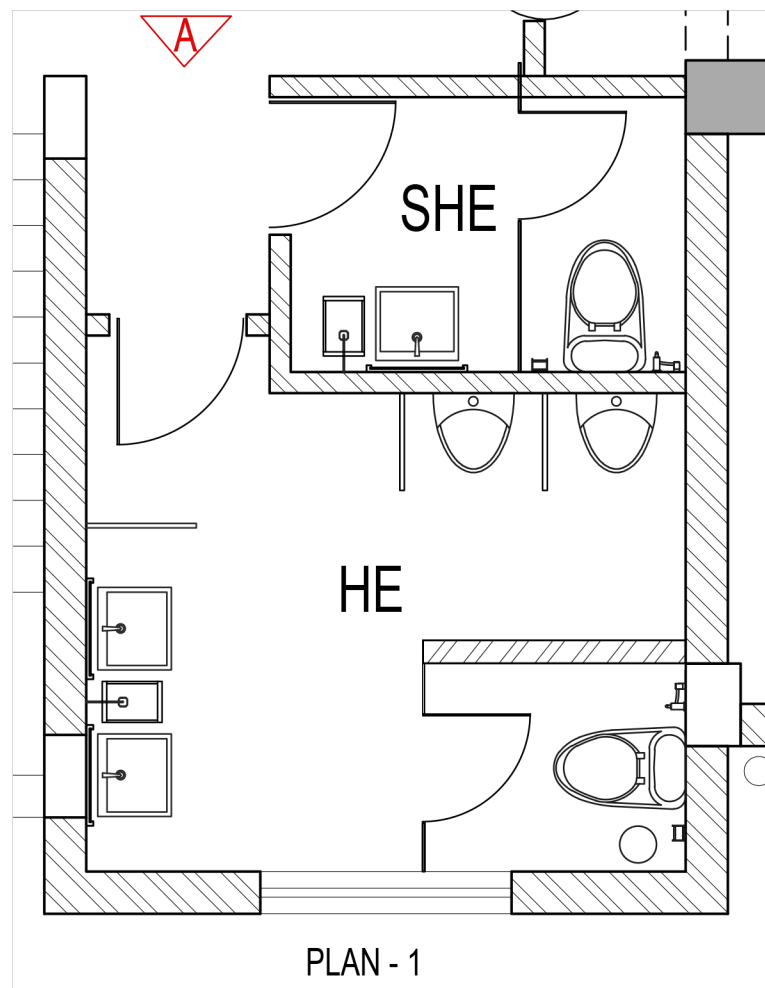
ELEVATION - A



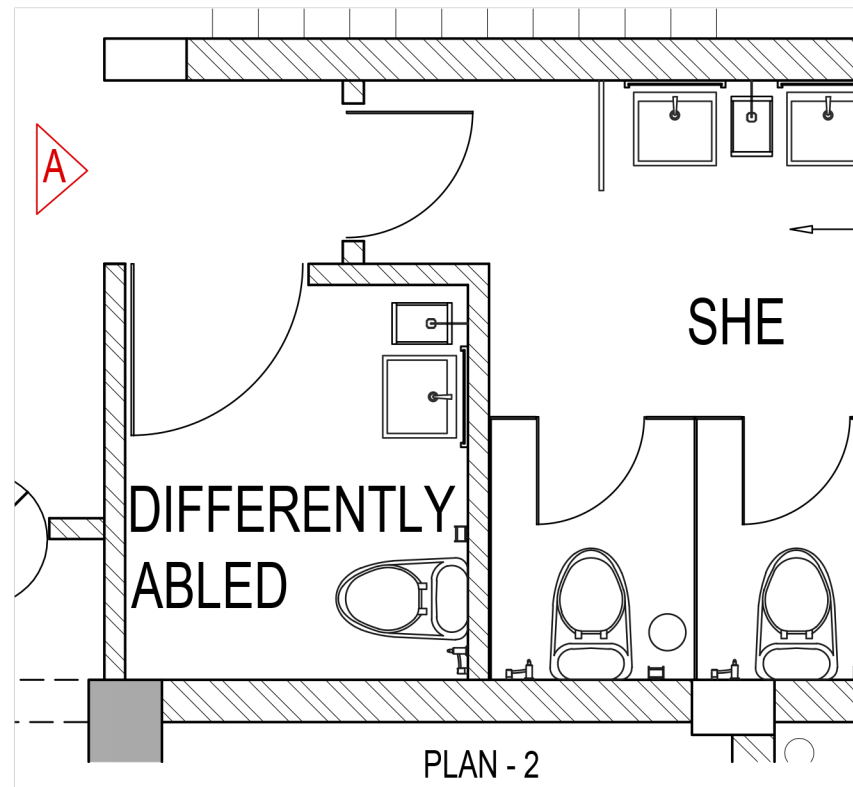
Vanity stone - CALCUTTA
(Silk / Satin)



KEY PLAN

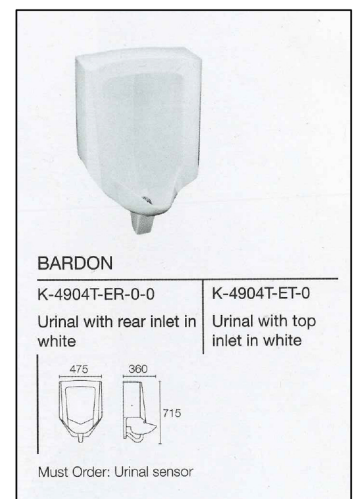
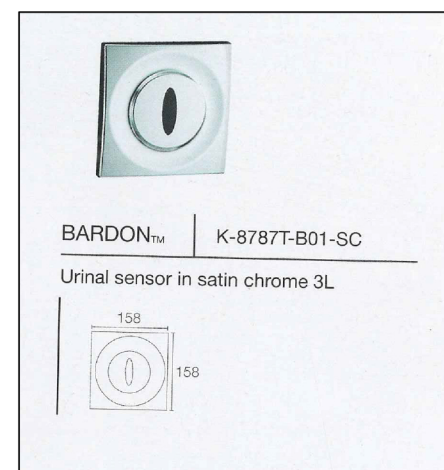


PLAN - 1



PLAN - 2

Floor & Wall - Silver Lucidato
(Polish)



PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

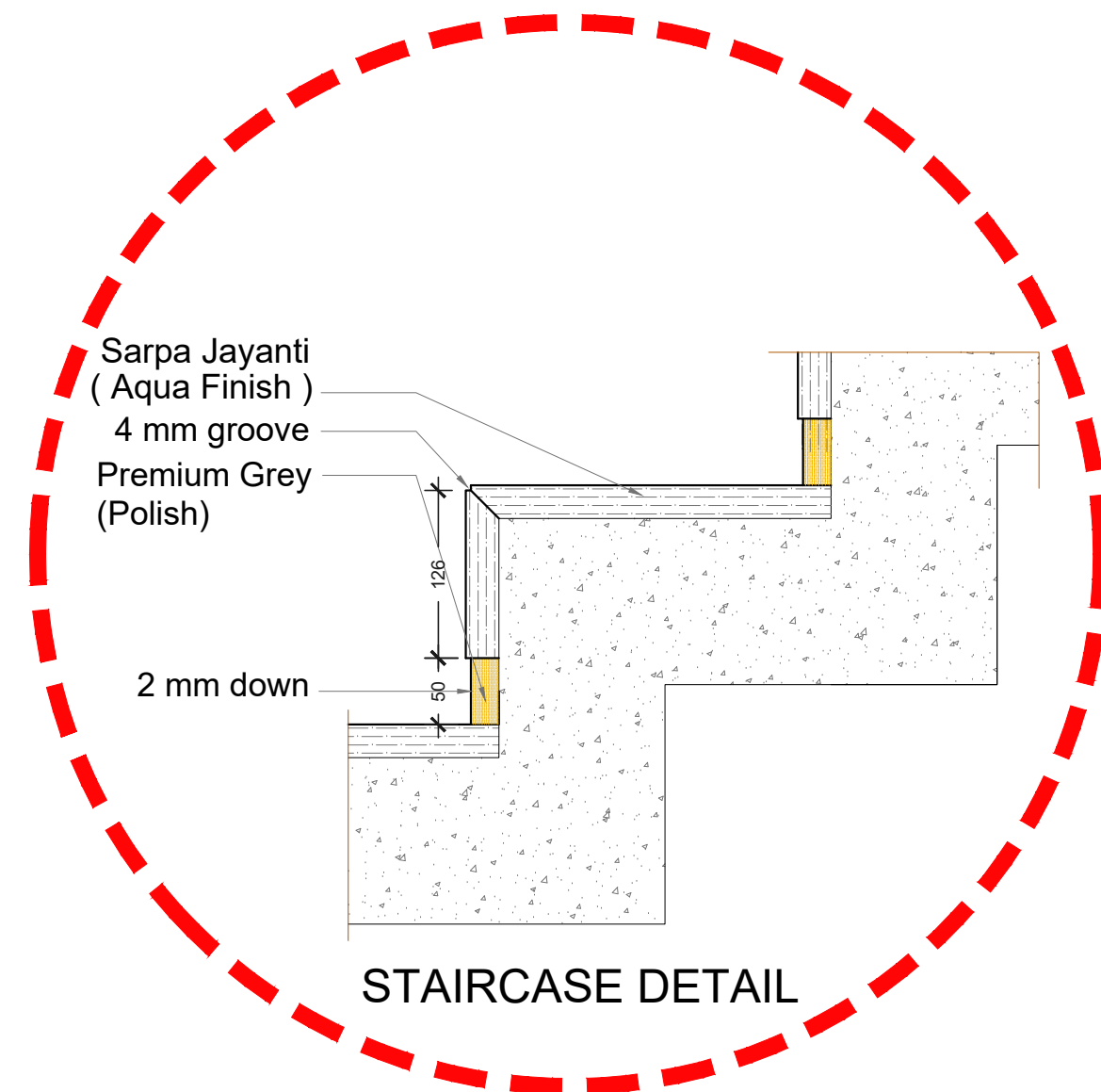
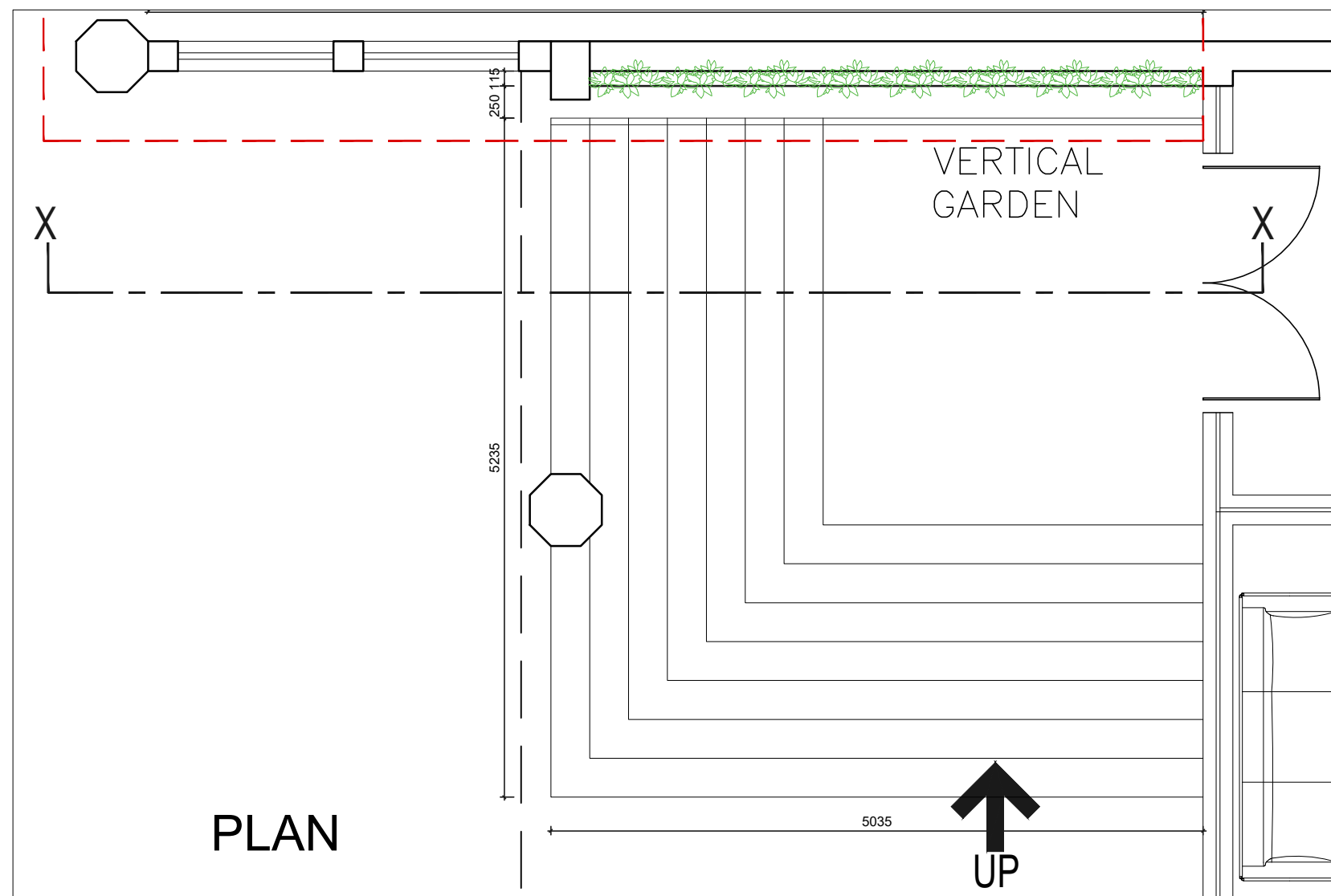
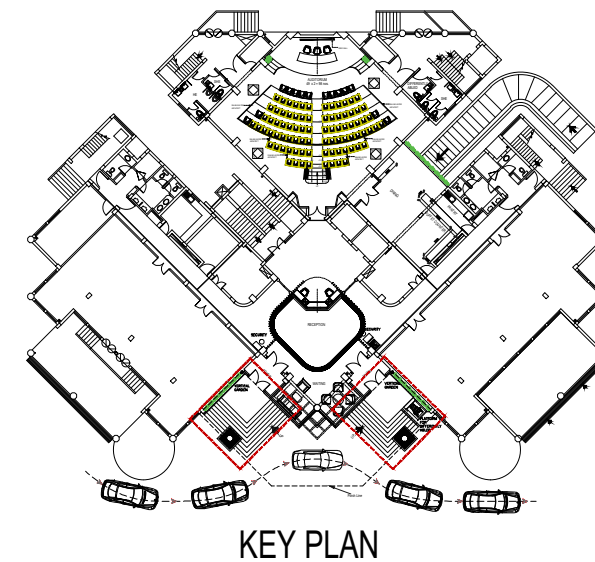
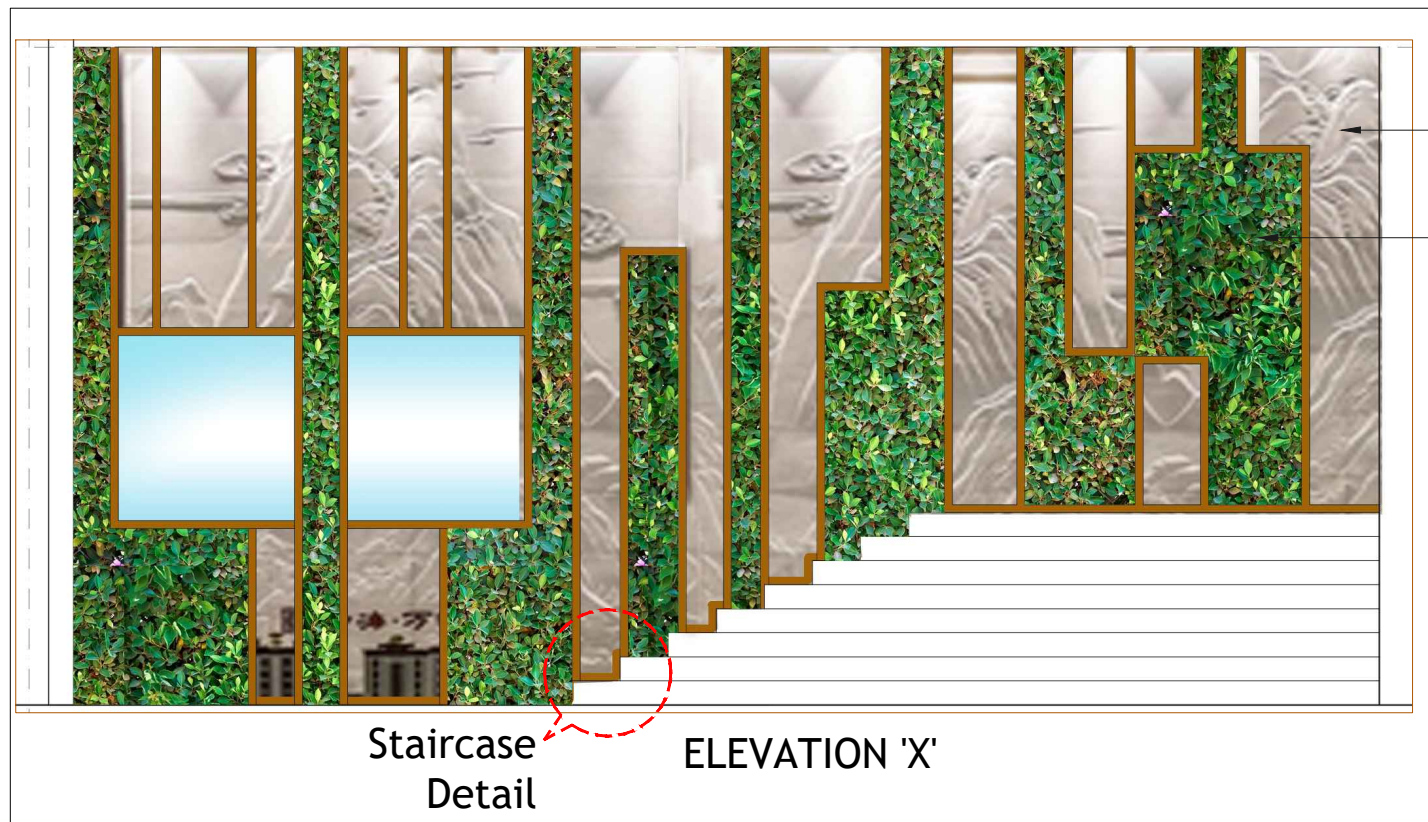
3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE: RESTROOM DETAIL

DRG. No. : TD/05
DATE : 05/04/2019
DEALT BY : Aarvi Jhanji
email : contact@sgauppal.com



S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\Om\1.DRGS\1. COMMERCIAL\OIL_INDIA\FURNITURE DETAILS.dwg					



PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:
PORCH

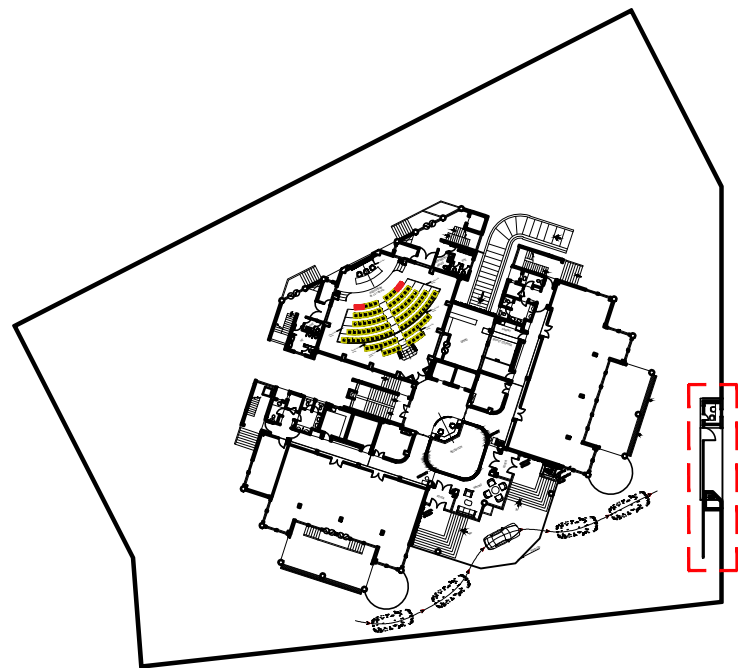
DRG. No. : TD/06

email : contact@sgauppal.com

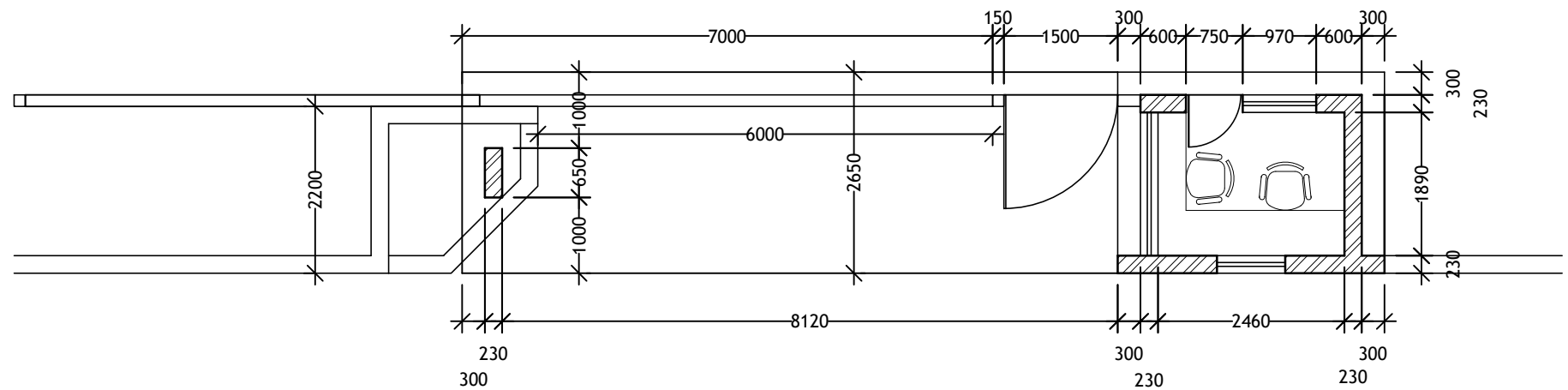
DATE : 05/04/2019
DEALT BY : Aarvi Jhanji

SGA

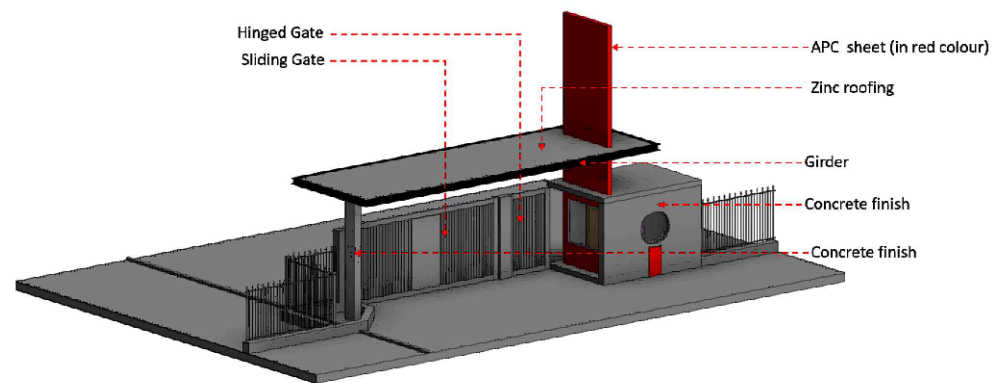
S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F1.DRGS\1. COMMERCIAL\OIL_INDIA\FURNITURE DETAILS_recover.dwg					



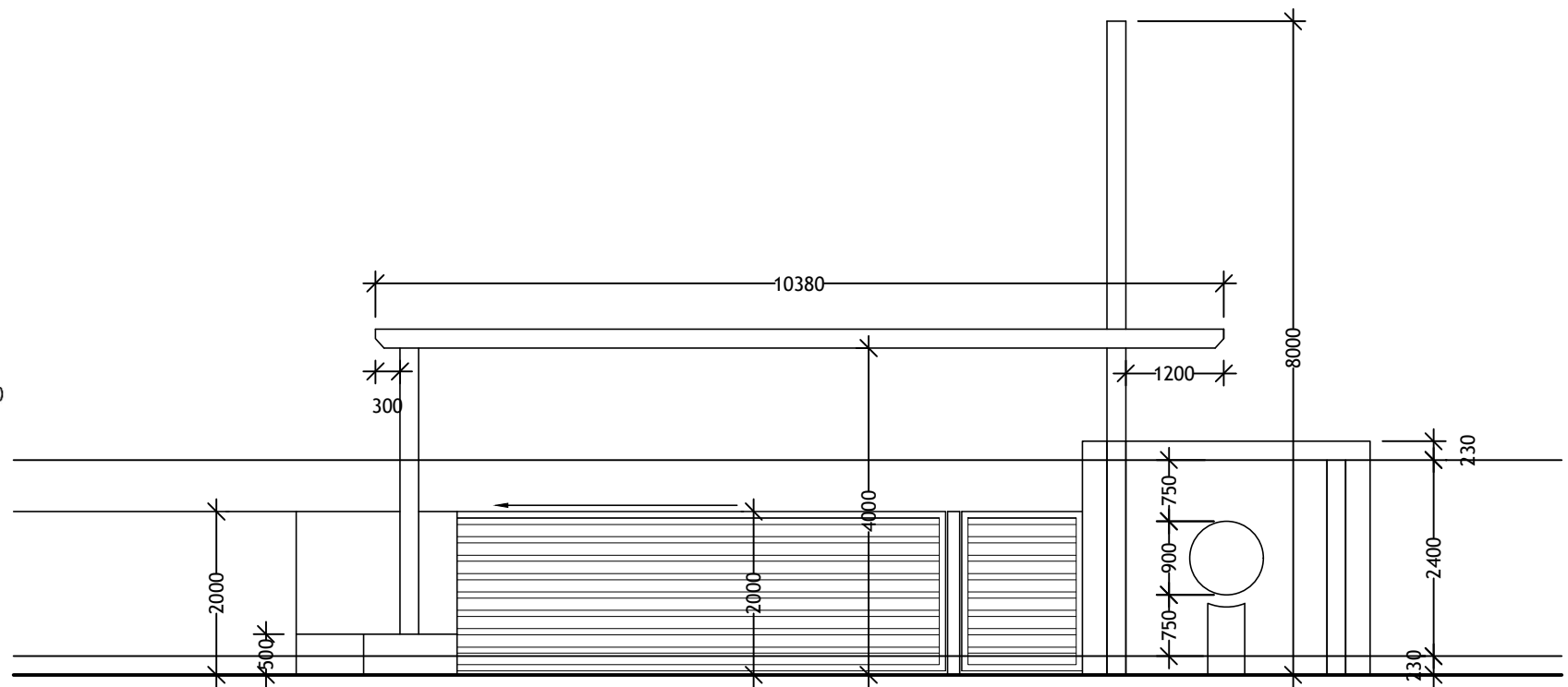
KEY PLAN



GROUND FLOOR PLAN



ISOMETRIC VIEW



FRONT ELEVATION

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R6.dwg					

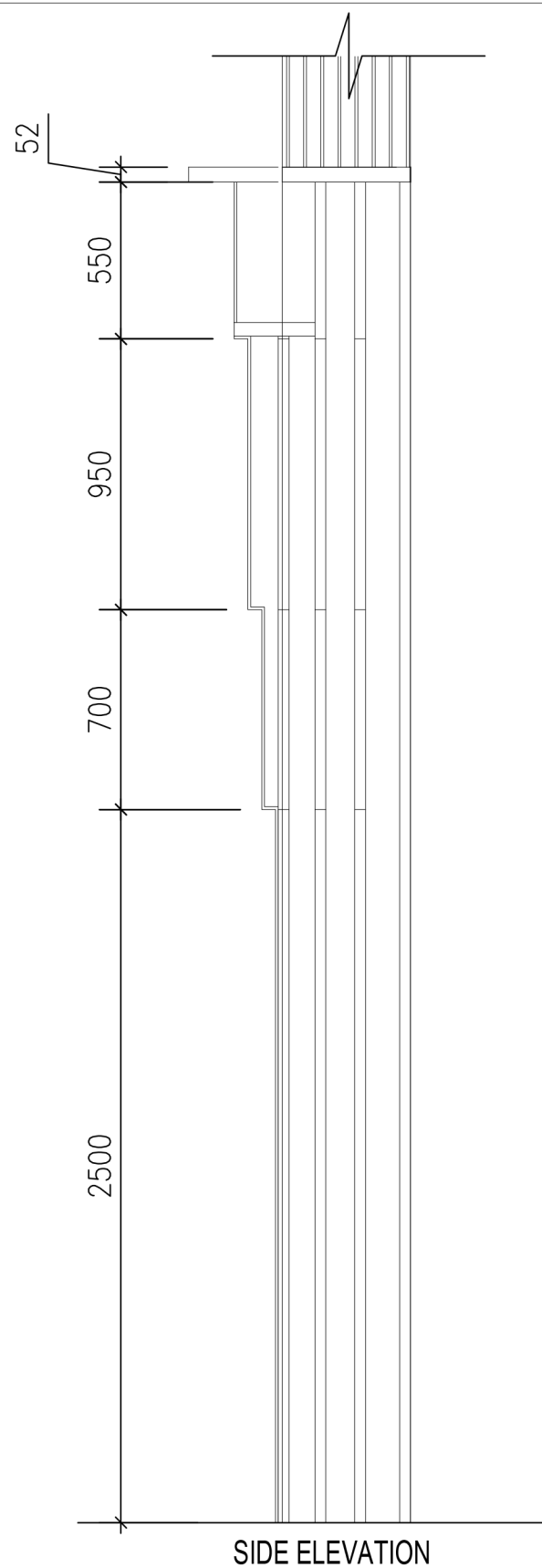
PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

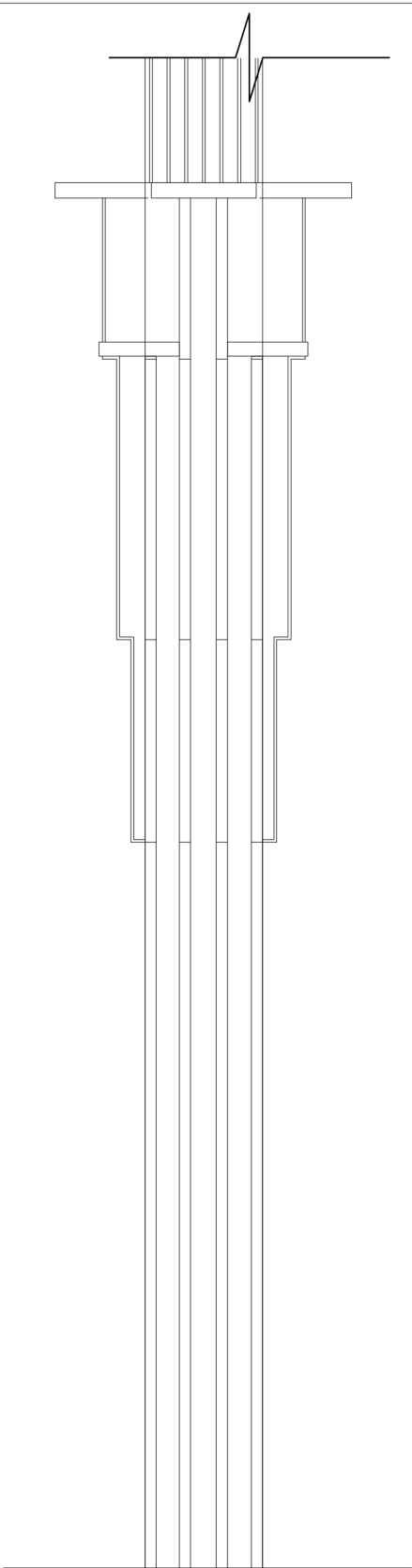
3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:	
GATE & GUARD HOUSE	
DRG. No. : TD/07	DATE : 05/04/2019
	DEALT BY : HITESH JHANJ
email : contact@sgauppal.com	

SGA



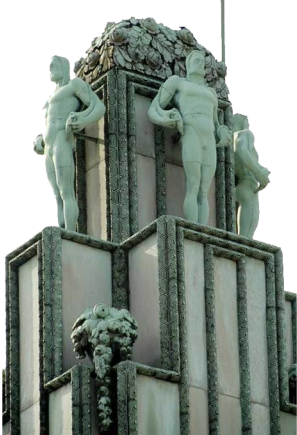
SIDE ELEVATION



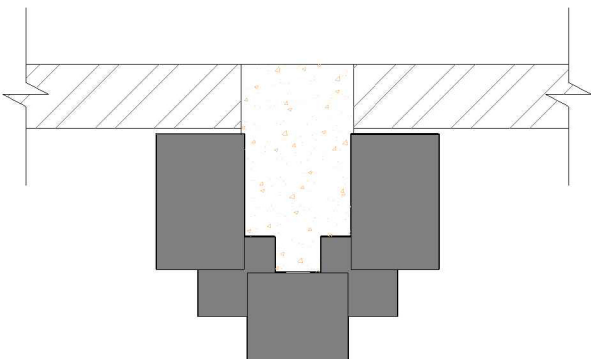
FRONT ELEVATION



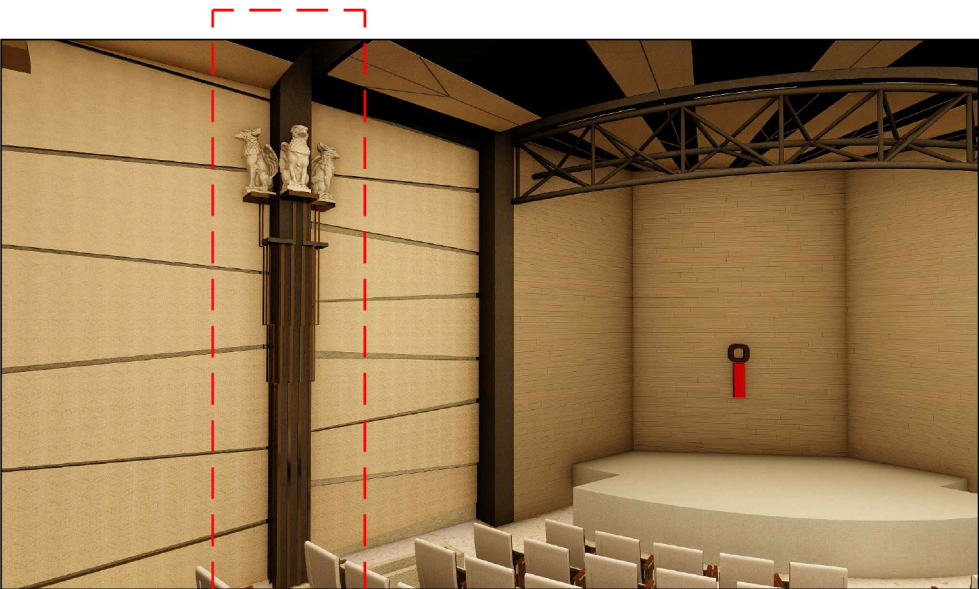
ISOMETRIC VIEW



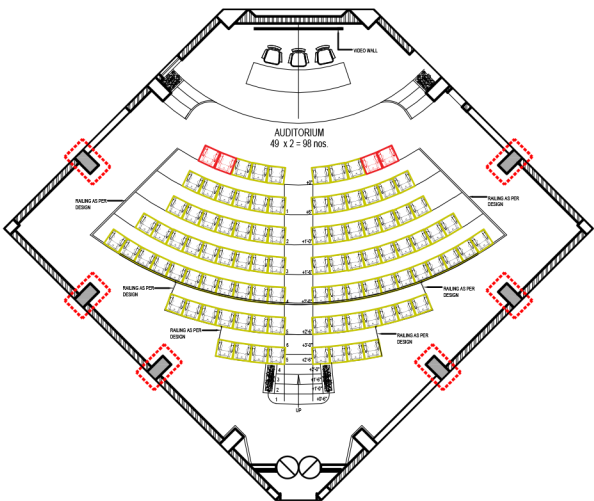
REFERENCE IMAGE



PLAN / TOP VIEW



VIEW



KEY PLAN

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R6.dwg					

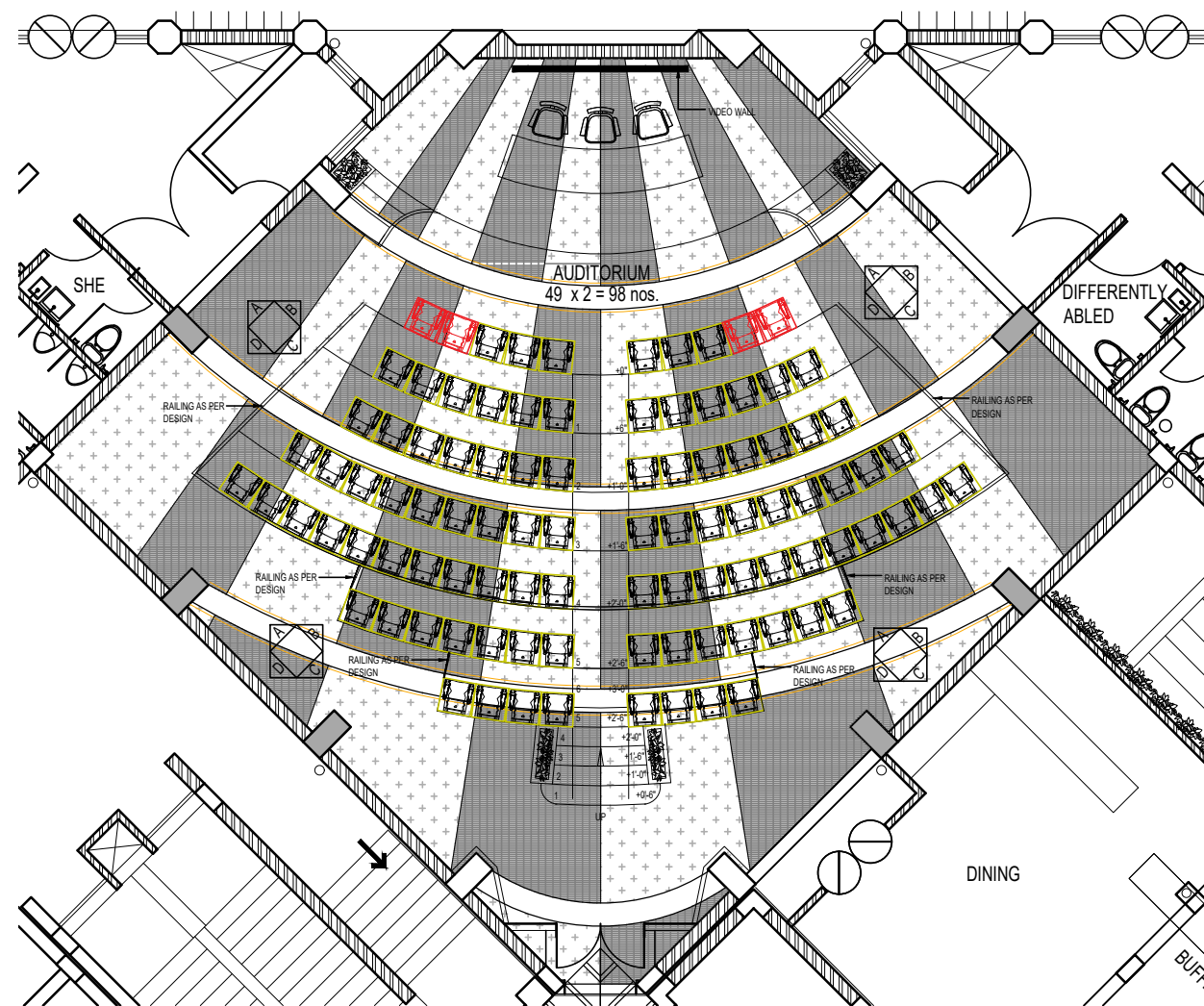
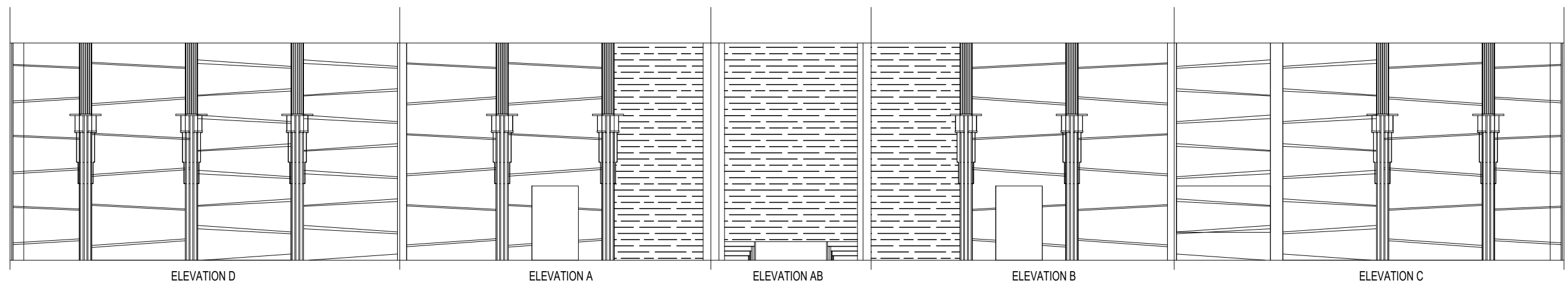
PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

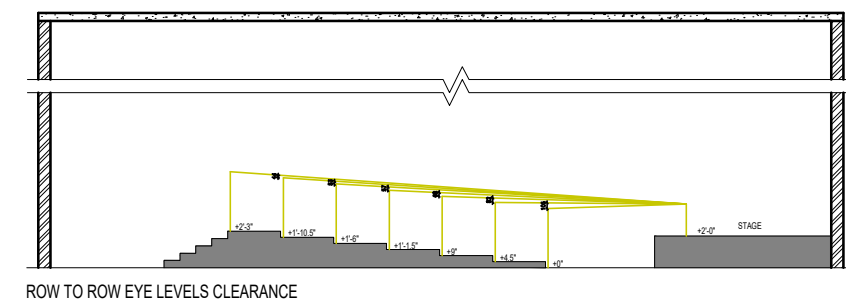
3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:	
AUDI COLUMN DETAIL	
DRG. No. : TD/08	DATE : 05/04/2019
DEALT BY : HITESH JHANJ	
email : contact@sgauppal.com	

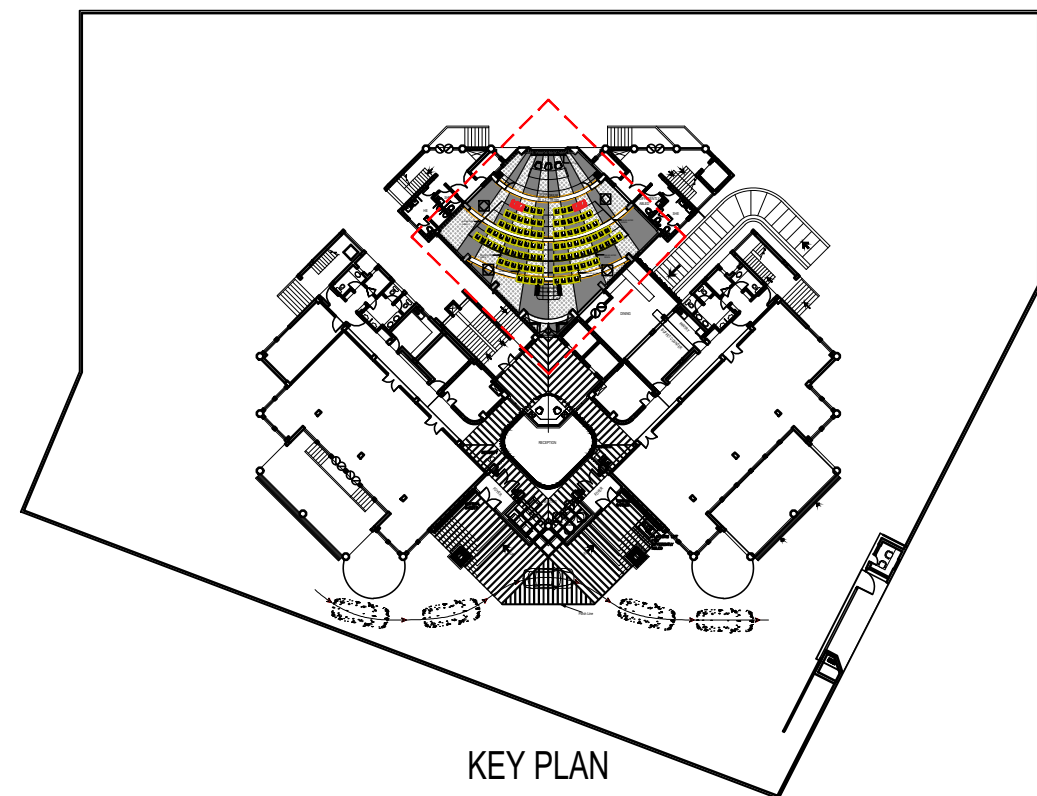




AUDITORIUM PLAN



ROW TO ROW EYE LEVELS CLEARANCE



KEY PLAN

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R7.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

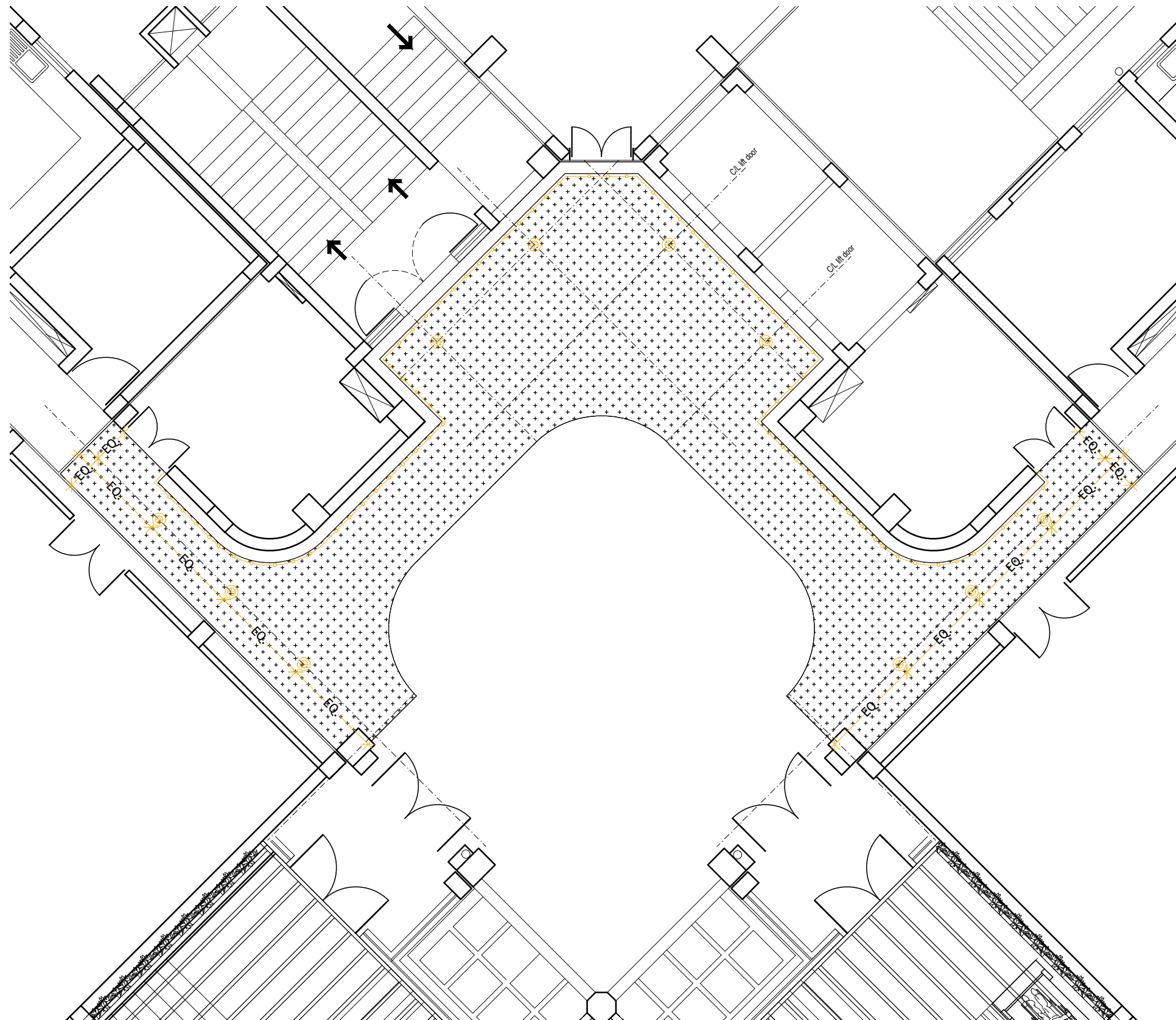
Sandeep Geeta & Associates Pvt. Ltd.

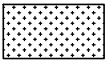



3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:
AUDITORIUM

DRG. No. : TD/10
DATE : 05/04/2019
DEALT BY : HITESH JHANJ
email : contact@sgauppai.com

SGA



-  False Ceiling
-  Cove light
-  Ceiling Downlighter
-  Canadian Wood False Ceiling

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R7.dwg					

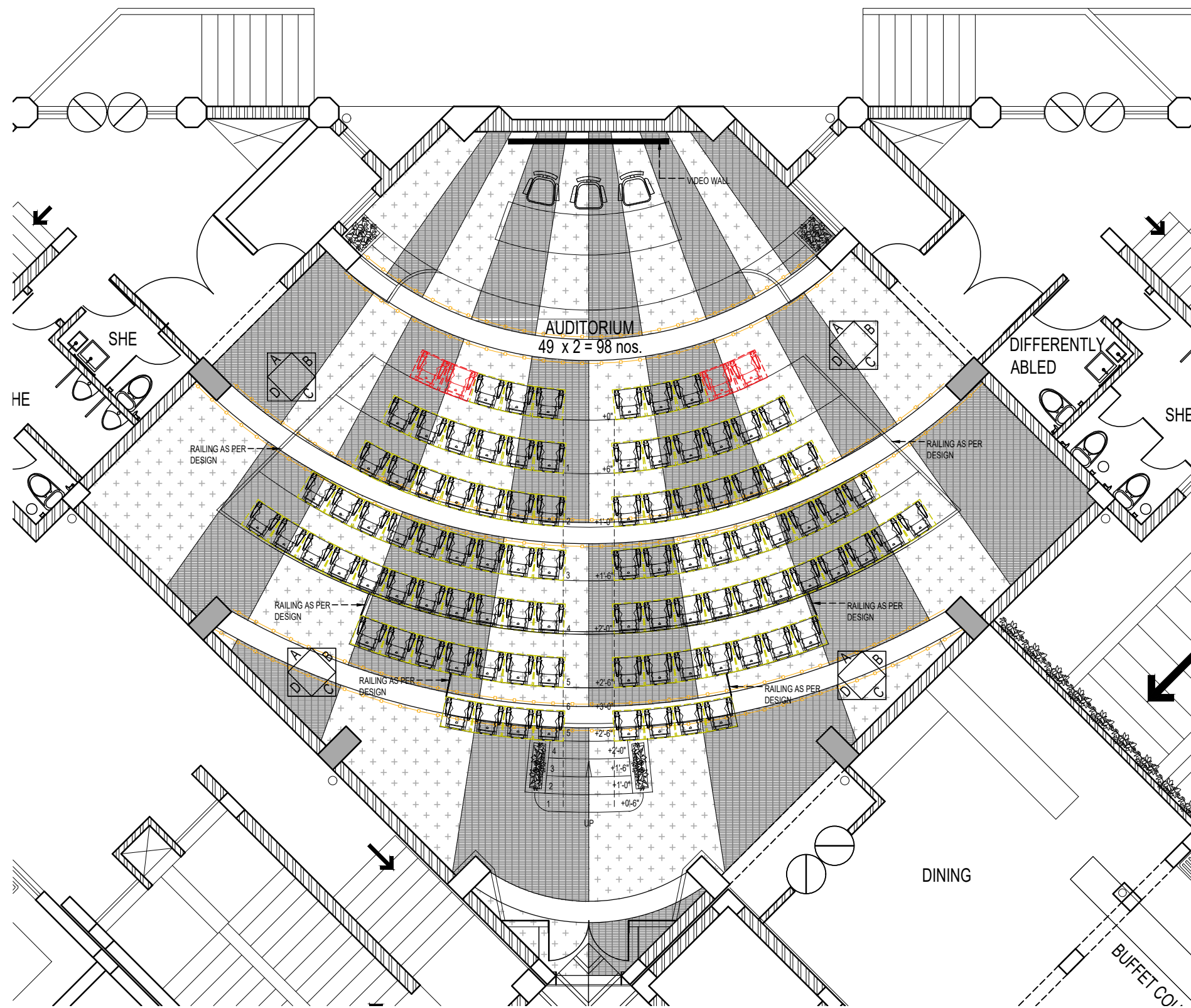
PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:	
Ground lvl Ceiling Plan	
DRG. No. : TD/11	DATE : 08/04/2019
email : contact@sgauppai.com	DEALT BY : HITESH JHANJ





S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R7.dwg					

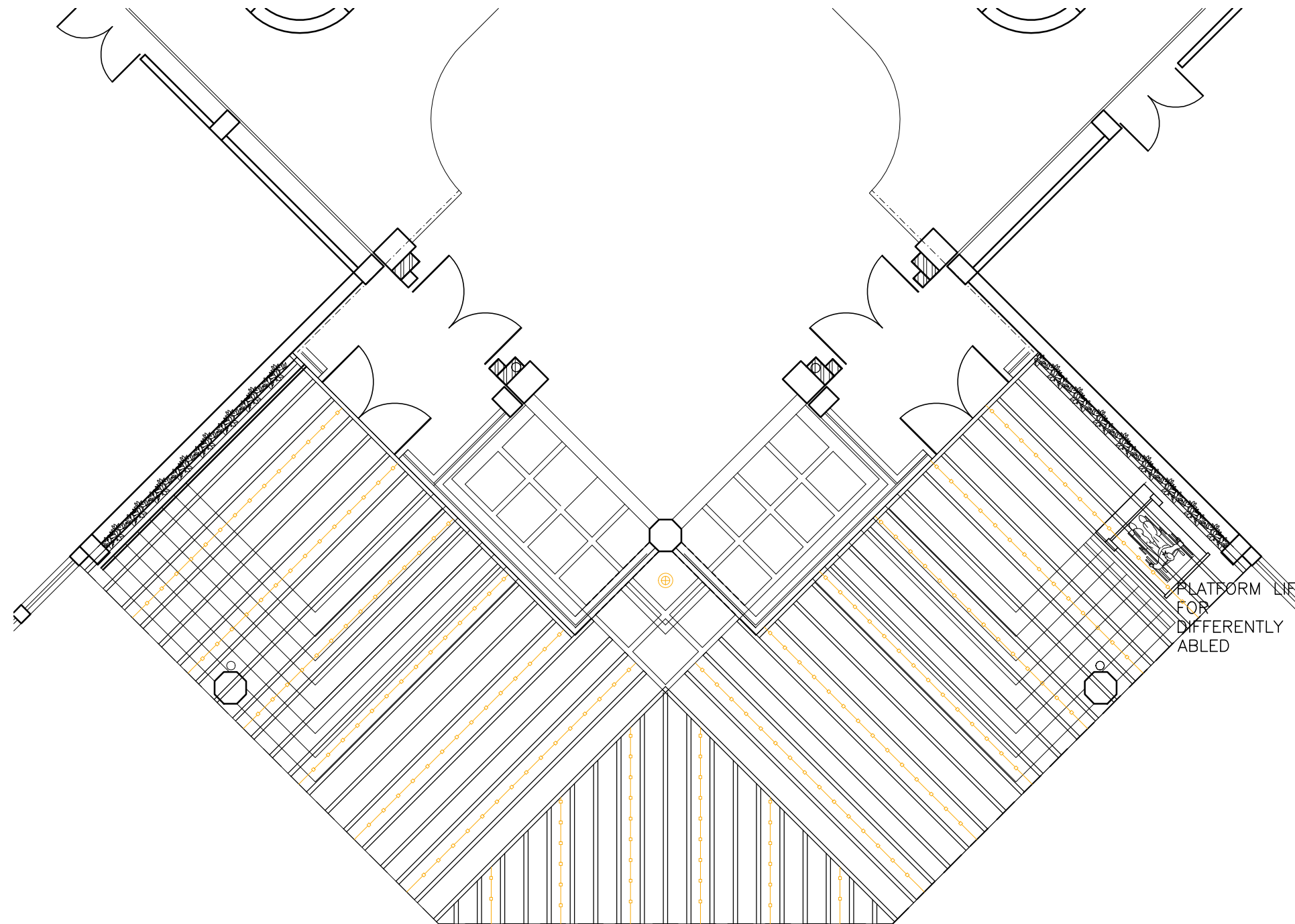
PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

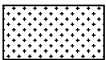



Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:	
Ceiling Plan (Auditorium)	
DRG. No. : TD/12	DATE : 08/04/2019
	DEALT BY : HITESH JHANJ
email : contact@sgauppal.com	





-  False Ceiling
-  Cove light
-  Ceiling Downlighter
-  Canadian Wood False Ceiling

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL INDIA\PROPOSED R7.dwg					

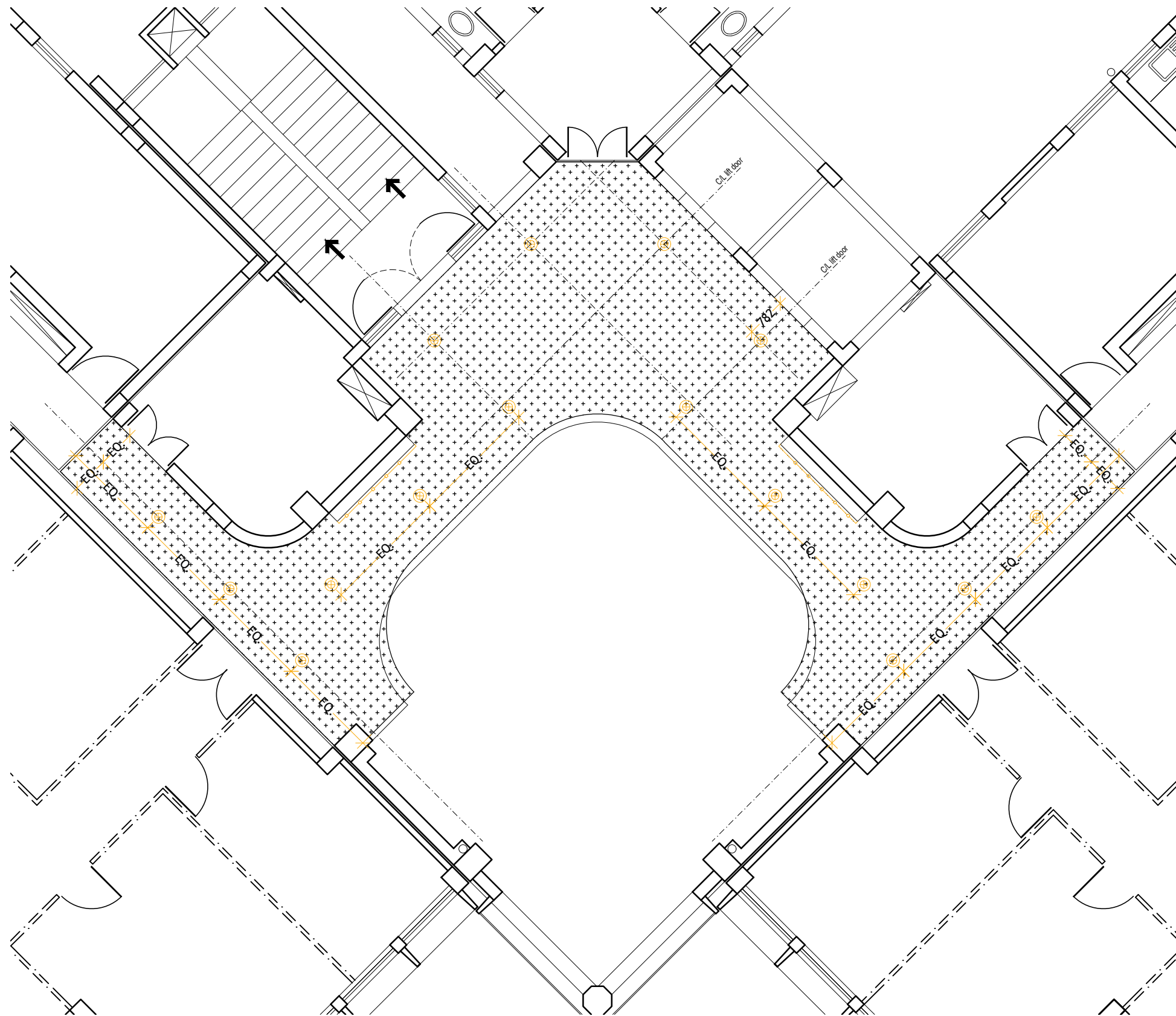
PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

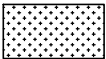



Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:	
Ceiling Plan (Porch)	
DRG. No. : TD/13	DATE : 08/04/2019
email : contact@sgauppai.com	DEALT BY : HITESH JHANJ





-  False Ceiling
-  Cove light
-  Ceiling Downlighter
-  Canadian Wood False Ceiling

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F1.DRGS\1. COMMERCIAL\OIL INDIA\PROPOSED R7.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:

First Flr Ceiling Plan

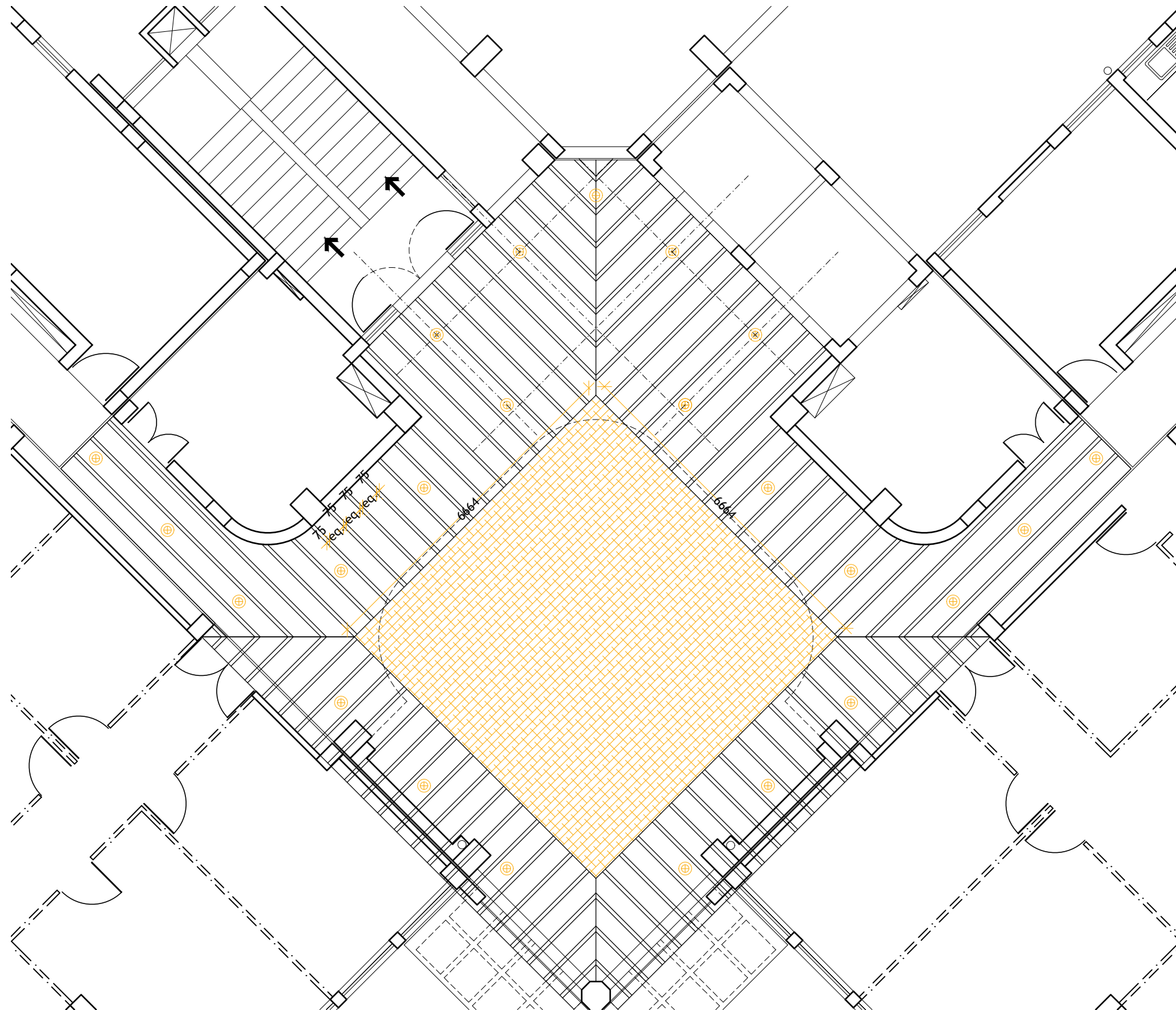
DRG. No. : TD/14






DATE : 08/04/2019

DEALT BY : HITESH JHANJI

email : contact@sgauppal.com

SGA



-  False Ceiling
-  Cove light
-  Ceiling Downlighter
-  Canadian Wood False Ceiling
-  Stretched Fabric Ceiling

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R7.dwg					

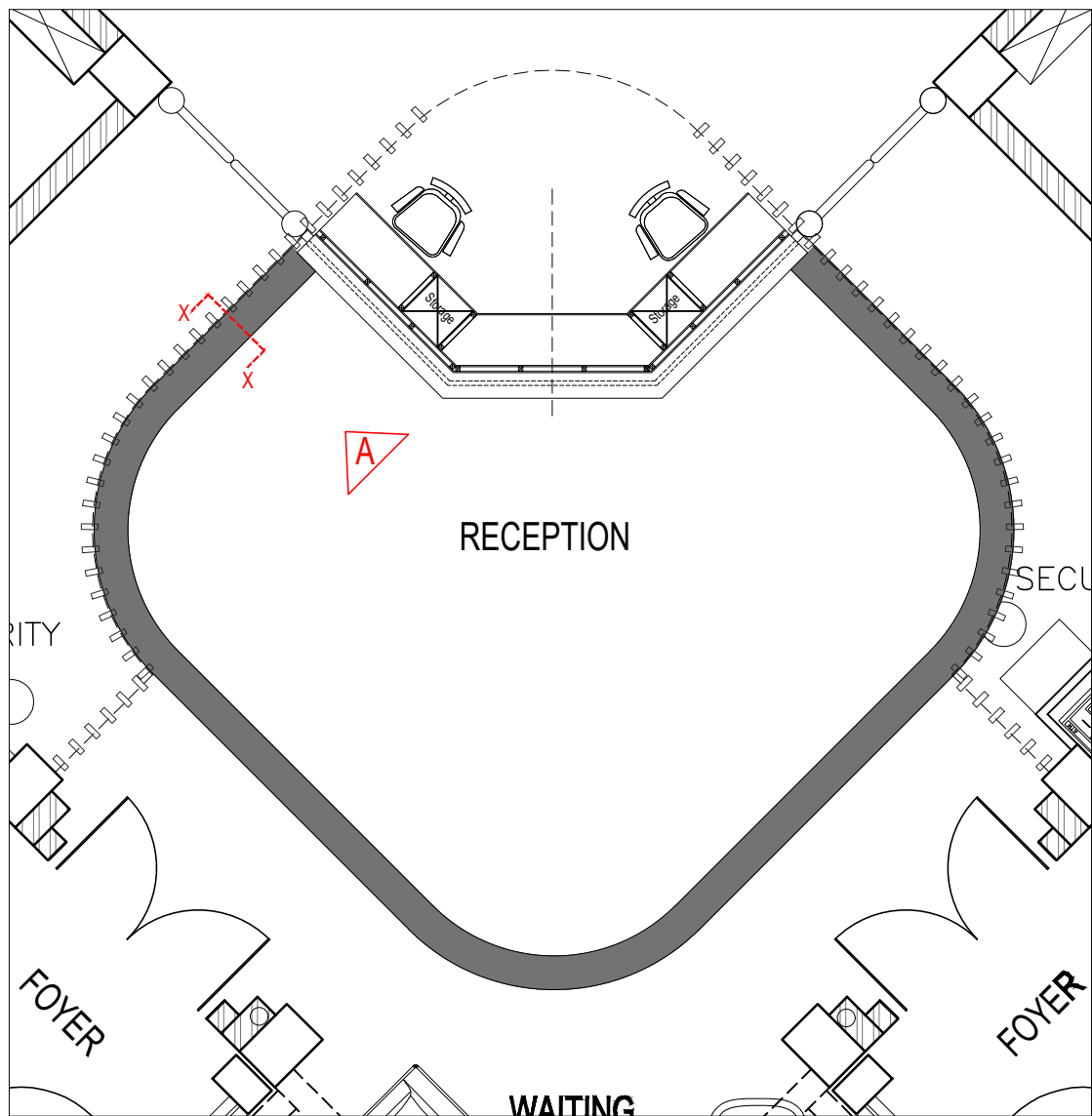
PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

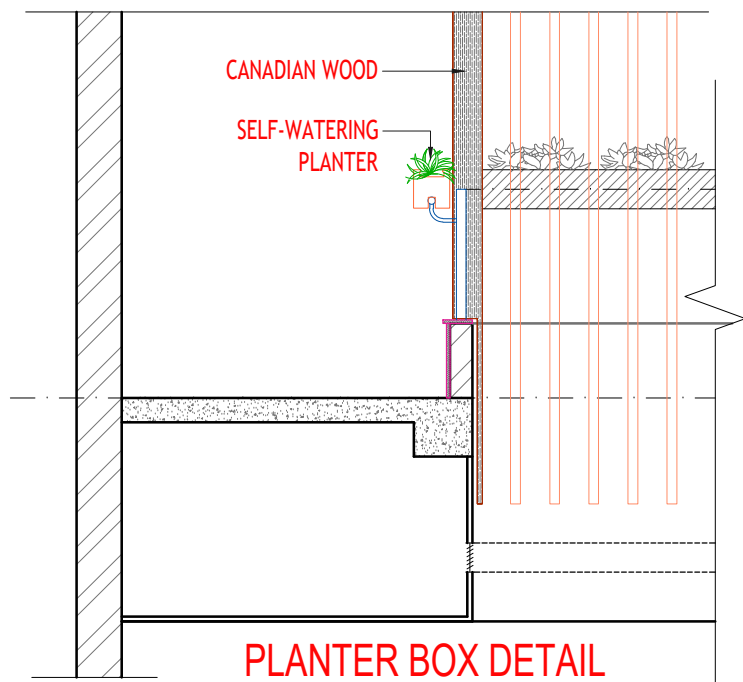
3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:	
Second Flr Ceiling Plan	
DRG. No. : TD/15	DATE : 08/04/2019
email : contact@sgauppai.com	DEALT BY : HITESH JHANJ

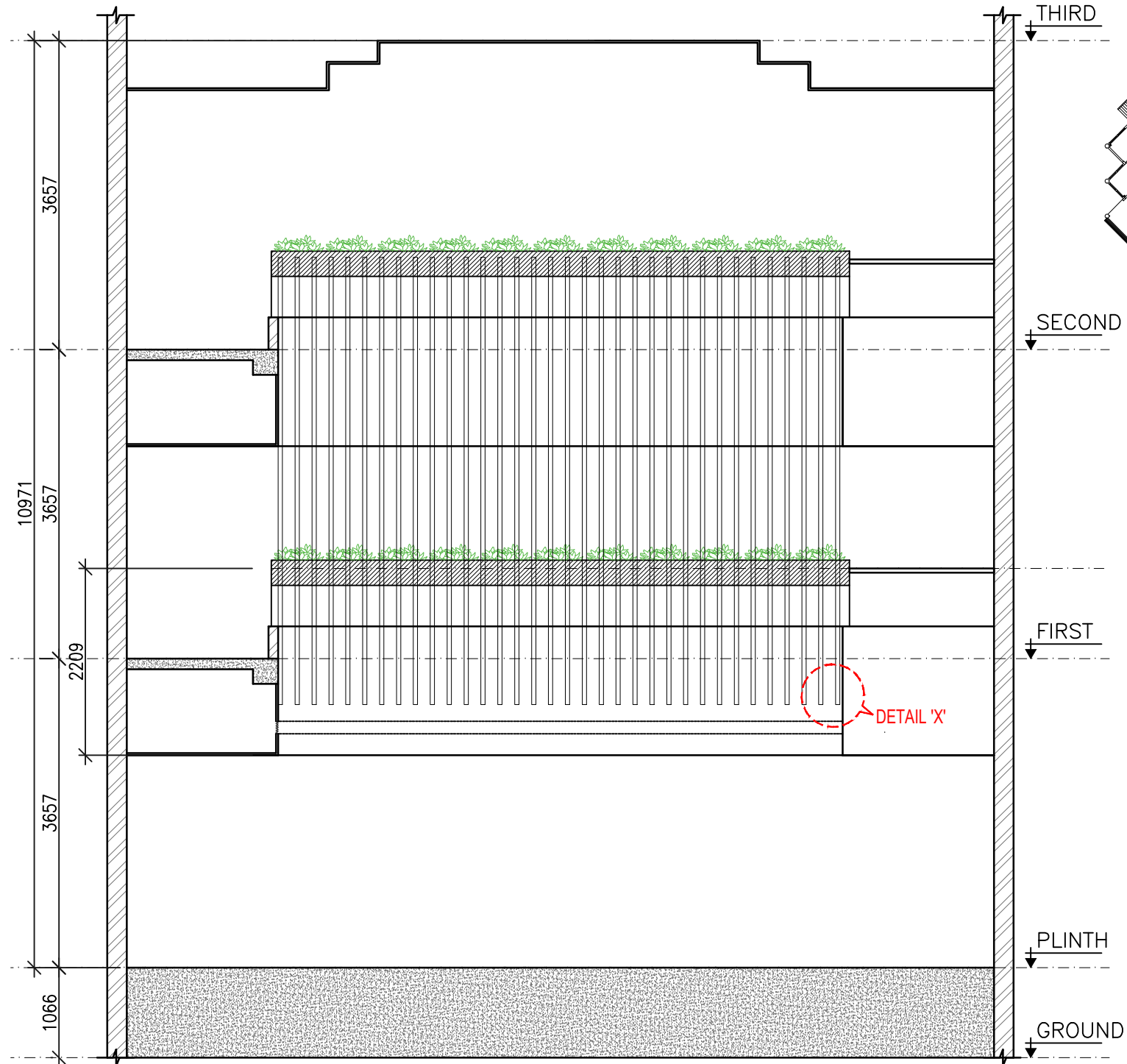




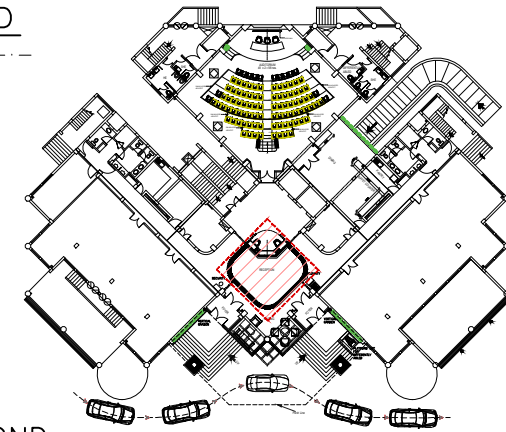
RECEPTION - PART PLAN



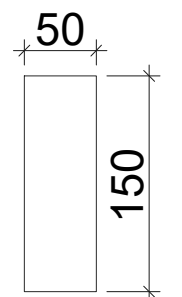
PLANTER BOX DETAIL
SECTION 'Y'



SECTION - A



KEY PLAN



PLAN of
WOODEN BATTEN



DETAIL 'X'



PLANTER REFERENCE



REFERENCE

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:

ATRIUM RAILING

DRG. No. : TD/16

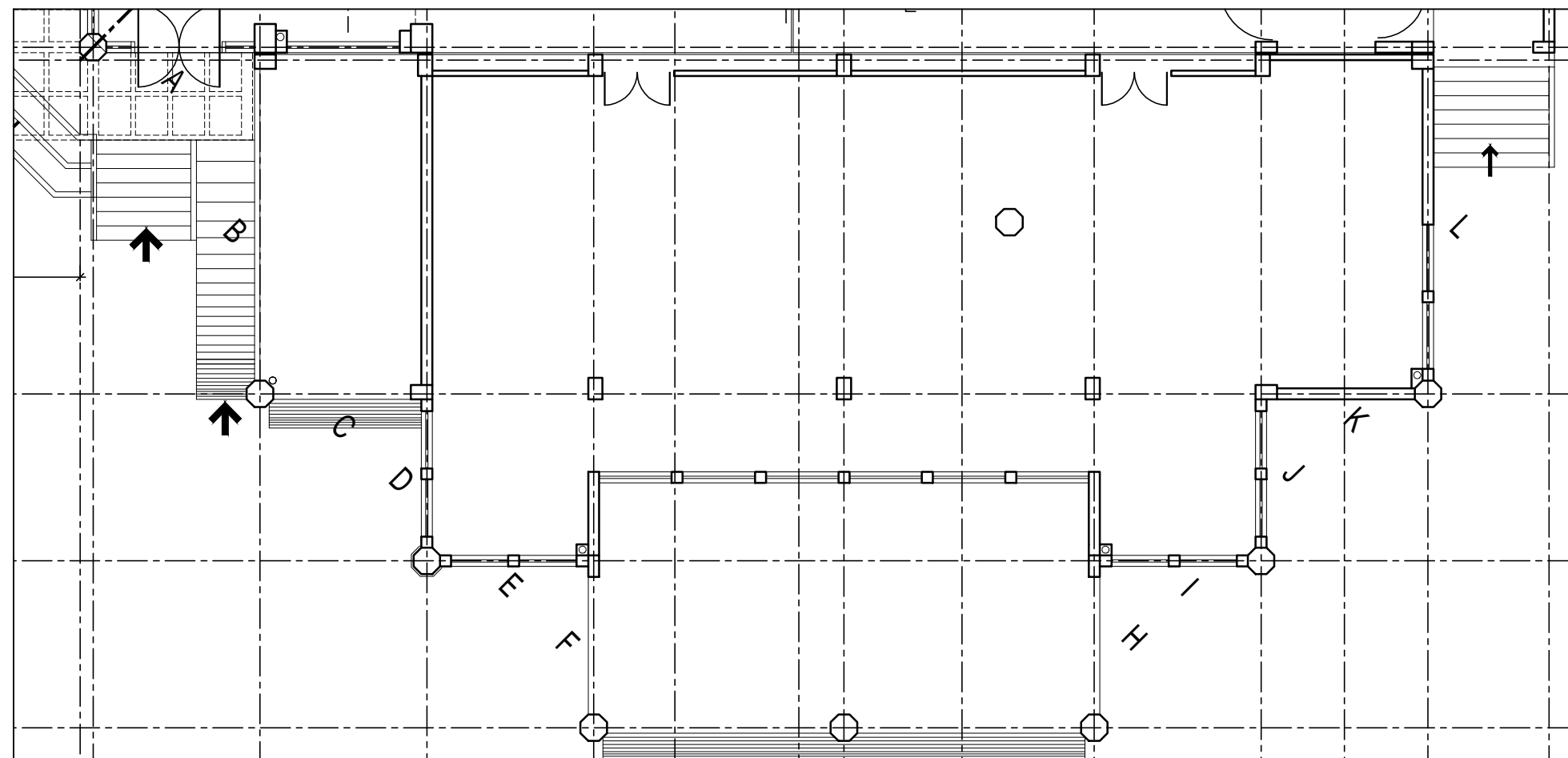
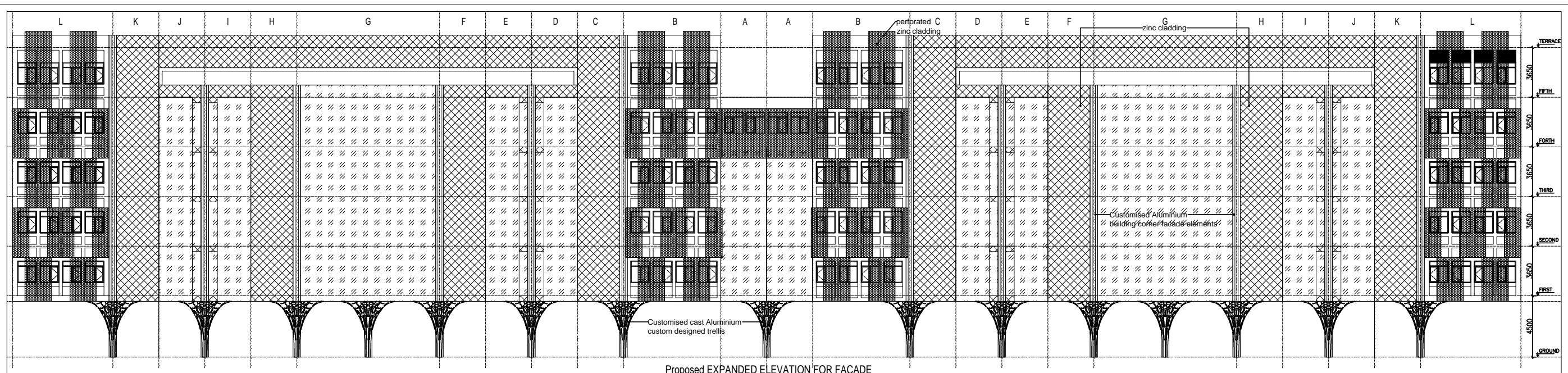
email : contact@sgauppal.com

DATE : 05/04/2019

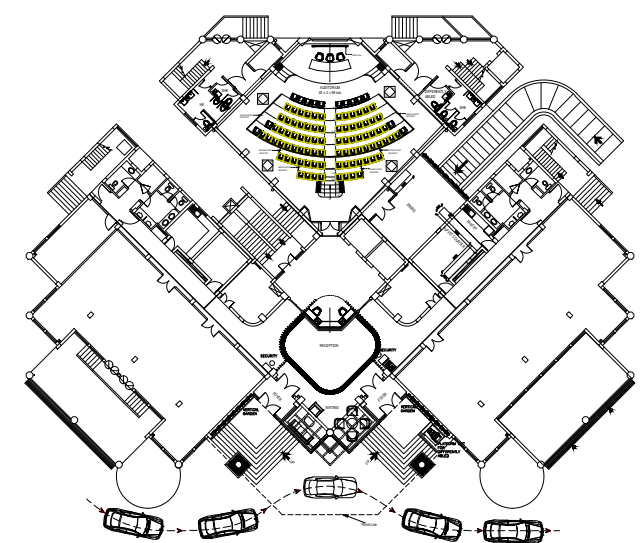
DEALT BY : Aarvi Jhanji

SGA

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F1.DRGS\1. COMMERCIAL\OIL_INDIA\FURNITURE DETAILS.dwg					



PART PLAN



KEY PLAN

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : F:\1.DRGS\1. COMMERCIAL\OIL_INDIA\PROPOSED R7.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 4606100/ 01

DRG. TITLE:

Zinc Cladding Facade Detail

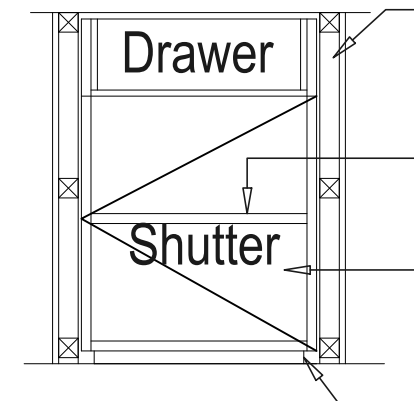
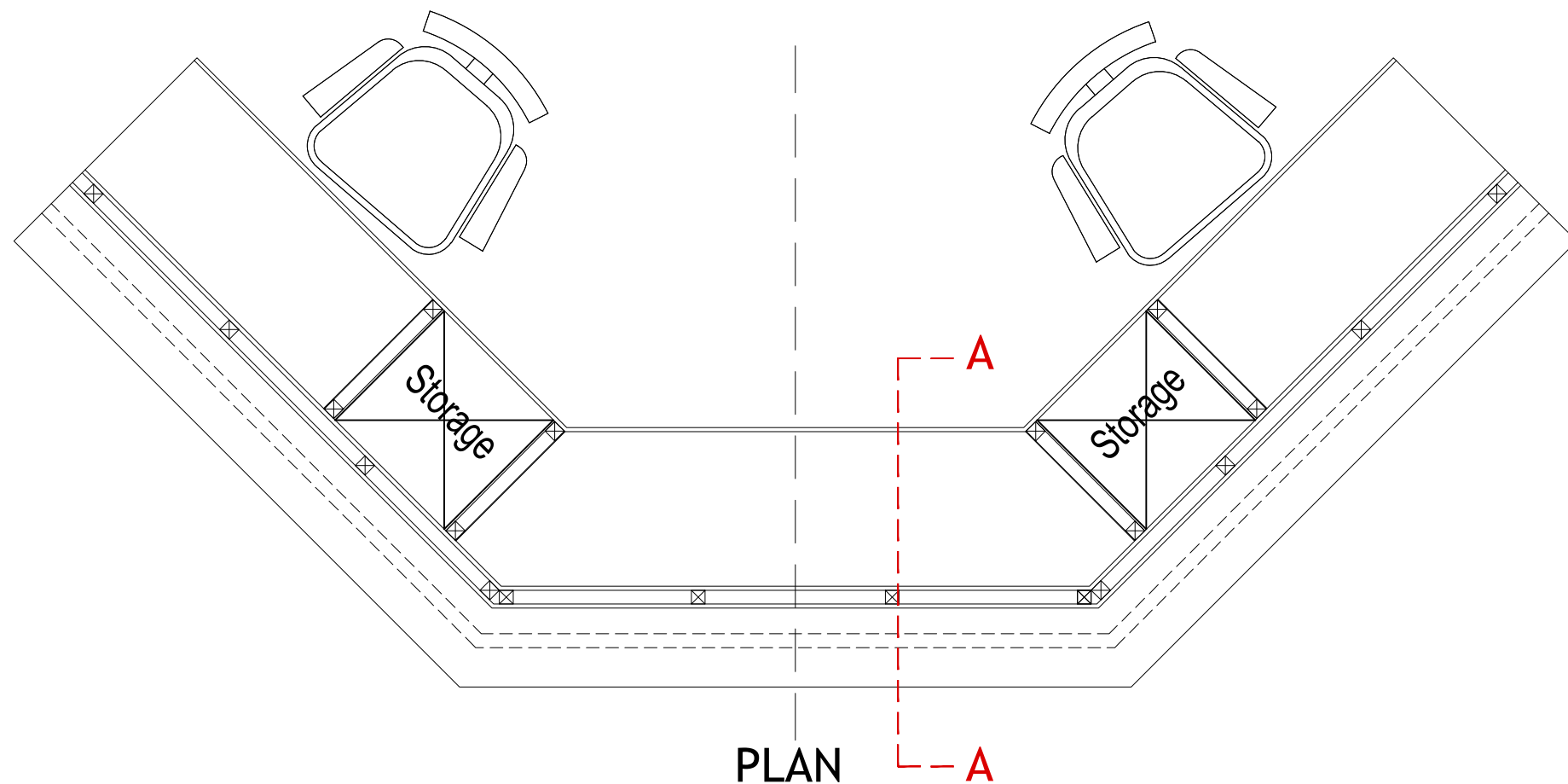
DRG. No. : TD/17

DATE : 08/04/2019

DEALT BY : HITESH JHANJ

email : contact@sgauppal.com

SGA

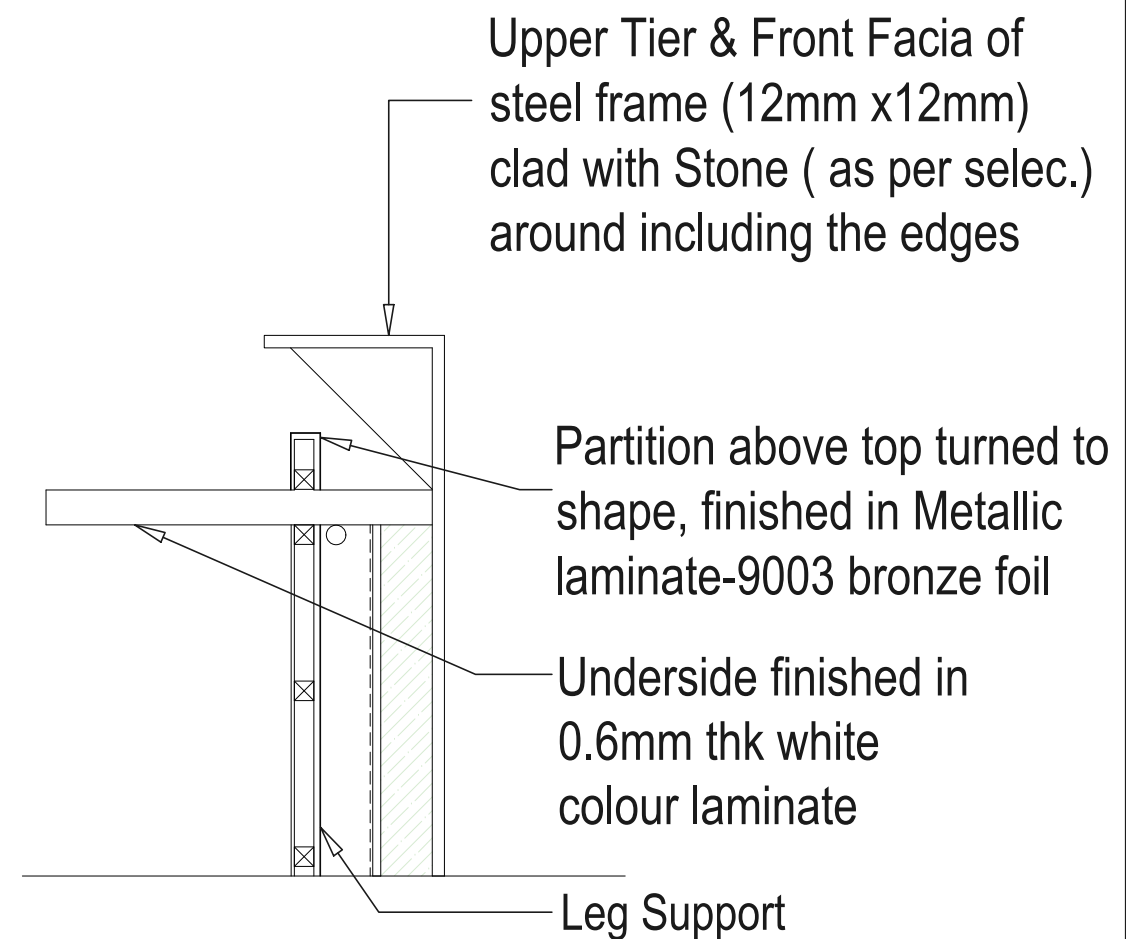
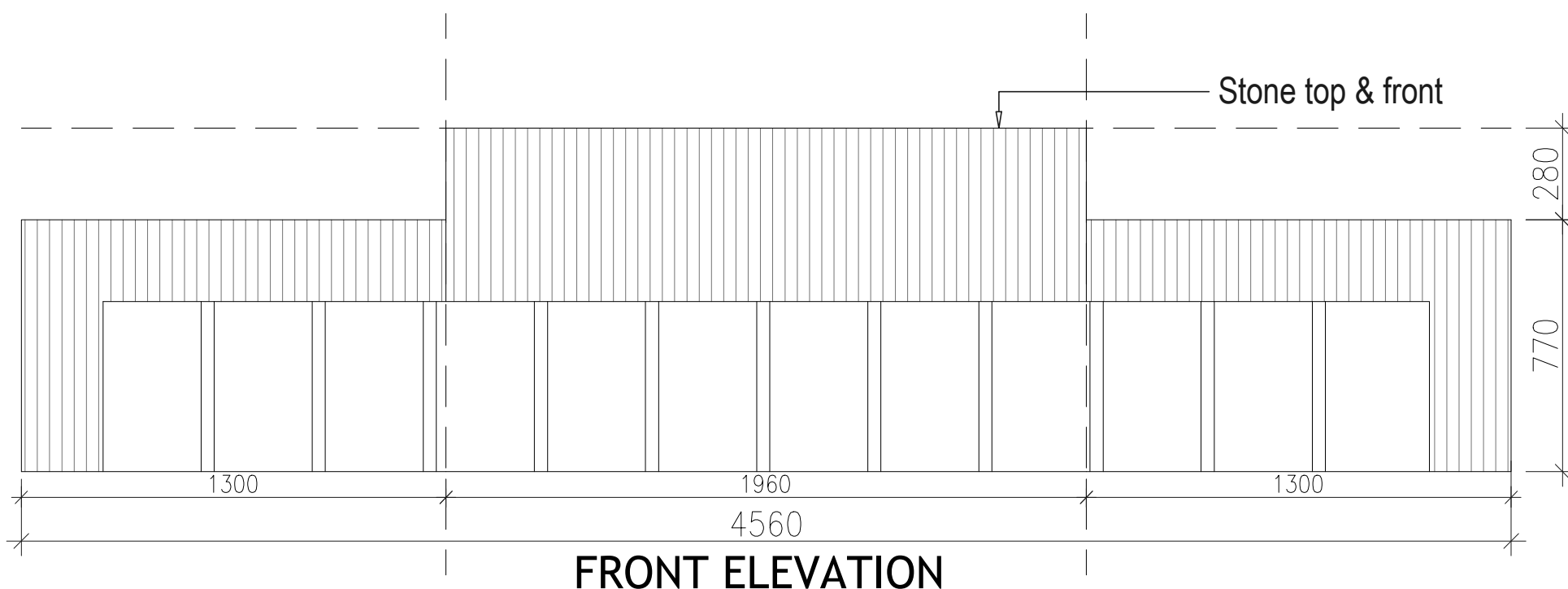


Leg support-38x38mm MS hollow section @min.3 members vertically & horizontally clad with 12mm BWR ply

Finished in 0.6mm thk laminate

Wenge skirting size upto 15mmx25mm

STORAGE DETAIL



SECTION AA

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 46066100/ 01

DRG. TITLE:

Reception Table

DRG. No. : TD/FD/01

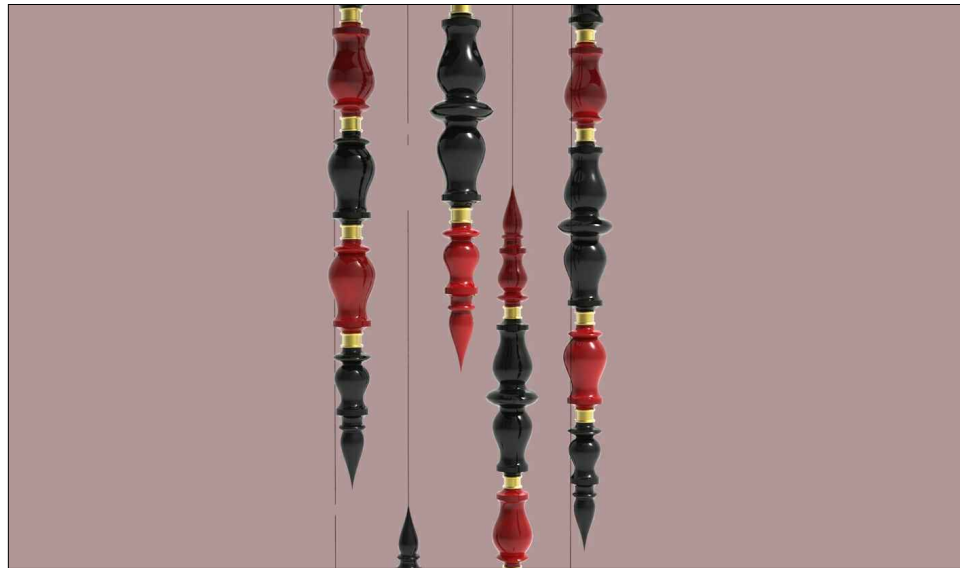
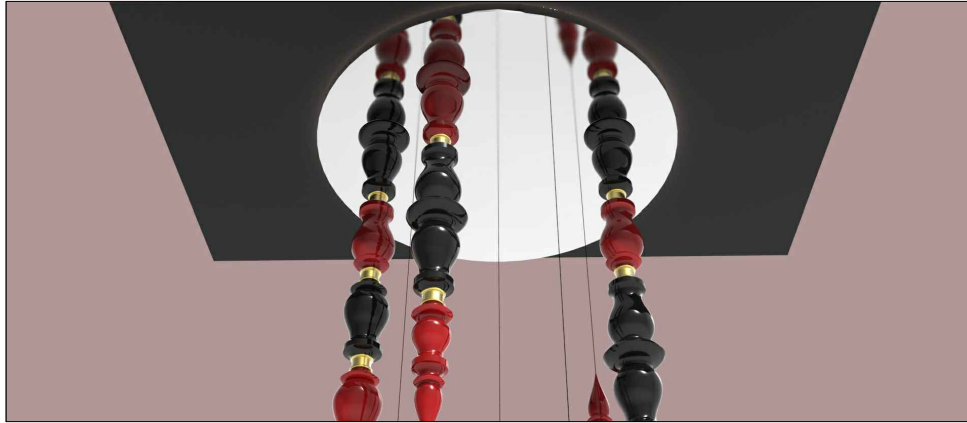
DATE : 05/04/2019

DEALT BY : Aarvi Jhanji

email : contact@sgauppal.com

SGA

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : \\om\F\1.DRGS\1. COMMERCIAL\OIL_INDIA\FURNITURE DETAILS_recover.dwg					



PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL # 40061001/ 01

DRG. TITLE:

WOOD ART ELEMENTS

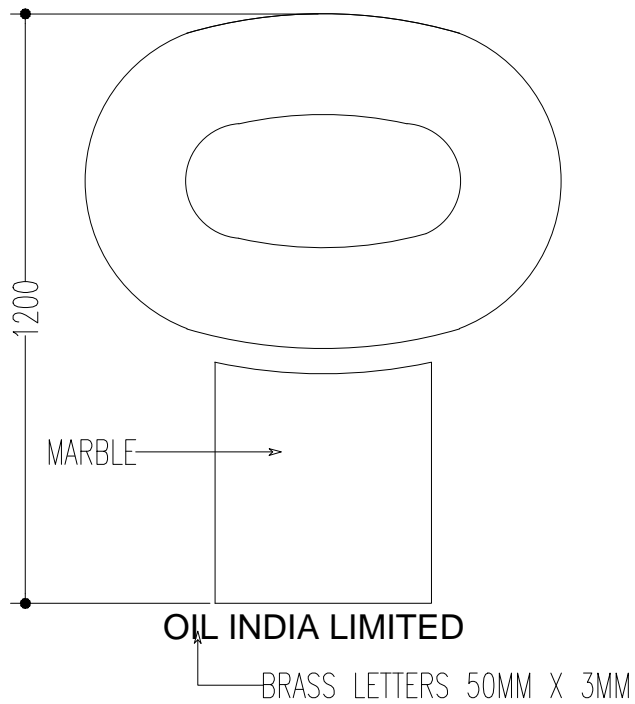
DRG. No. : MISC/01

DATE : 19/07/2019
DEALT BY : O.P.VERMA

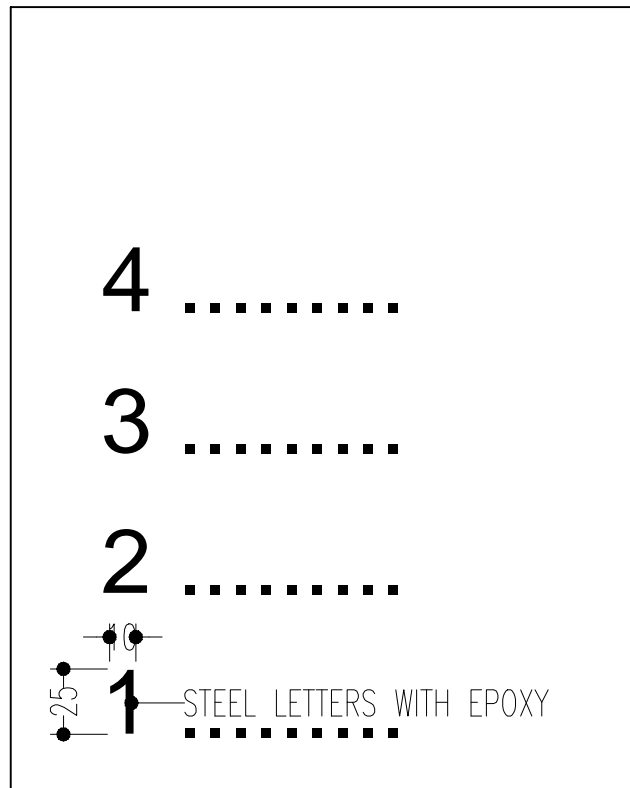
email : contact@sgauppall.com

SGA

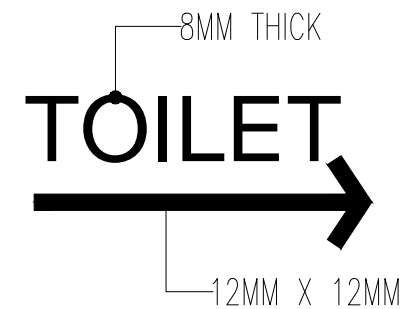
S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : Y:\01.COMMERCIAL\OIL INDIA\OIL HOUSE\DWG\signages.dwg					



LOGO



FLOOR DIRECTORY



DIRECTIONAL SIGNAGE



TOILET SIGNAGES

S. NO.	DATE	DESCRIPTION	S. NO.	DATE	DESCRIPTION
REVISIONS					SCALE : N.T.S.
ACAD : Y:\01.COMMERCIAL\OIL INDIA\OIL HOUSE\DWG\signages.dwg					

PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE

Sandeep Geeta & Associates Pvt. Ltd.

3RD FLOOR, AJIT SINGH HOUSE,
12, COMMUNITY CENTRE, YUSUF SARAI,
NEW DELHI - 110049
TEL. # 4006100/ 01

DRG. TITLE:

SIGNAGES

DRG. No. : MISC/02

DATE : 19/07/2019
DEALT BY : O.P.VERMA

email : contact@sgauppall.com

SGA



LIGHT- 1 : 2NOS.




LIGHT- 2 : 8 NOS.



LIGHT- 3 : 6 NOS.



LIGHT- 4 : 4 NOS.

						PROPOSED WORKS at RECEPTION, AUDITORIUM & FACADE of OIL HOUSE	DRG. TITLE: SIGNAGES			
S. NO.	DATE	DESCRIPTION		S. NO.	DATE		DESCRIPTION	DRG. No. : MISC/02		DATE : 19/07/2019
REVISIONS							SCALE : N.T.S.	DEALT BY : O.P.VERMA		
ACAD : Y:\01.COMMERCIAL\OIL INDIA\OIL HOUSE\DWG\signages.dwg							email : contact@sgauppal.com			
Sandeep Geeta & Associates Pvt. Ltd.							3RD FLOOR, AJIT SINGH HOUSE, 12, COMMUNITY CENTRE, YUSUF SARAI, NEW DELHI - 110049 TEL # 40061001/ 01			