

Ref. No.: NIT-ANDHRA/P&D/2021-22/SVBPAV/FURNITURE/01

DATE: 24.08.2021

NOTICE INVITING TENDERS

(Box Tenders/Open Tenders)

**(DESIGN AND FURNISH THE NEWLY BUILT EXISTING OFFICES ALONG WITH SUPPLY, INSTALLATION OF NECESSARY FURNITURE ALONG WITH OTHER INTERIOR WORKS IN G+4 SARDAR VALLABHBHAI PATEL (SVP) ADMINISTRATIVE VISTA, NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH, TADEPALLIGUDEM)**



National Institute of Technology- Andhra Pradesh,

Beside Chennai - Srikakulam Highway NH-16,

Near Kadakatla, Tadepalligudem, West Godavari District,

Andhra Pradesh-534101.

Phone No:08818-284710

**DESIGN AND FURNISH THE NEWLY BUILT EXISTING OFFICES ALONG WITH SUPPLY, INSTALLATION OF NECESSARY FURNITURE ALONG WITH OTHER INTERIOR WORKS IN G+4 SARDAR VALLABHBHAI PATEL (SVP) ADMINISTRATIVE VISTA, NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH, TADEPALLIGUDEM**

**TENDER SCHEDULE**

Date of Issue of Tender Document	24 August 2021
Pre-bid meeting with bidders	15:00 Hrs. (IST) on 02 September 2021
Due Date for submission of tender	15:00 Hrs. (IST) on 14 September 2021
Date & Time of Opening of Technical Bid	15:30 Hrs. (IST) on 14 September 2021
Date & Time of Opening of Financial Bid	Will be communicated to qualified bidders after opening of technical bid

**1.1 NOTICE INVITING TENDER**

Open Tender (through website [www.nitandhra.ac.in/main/tender](http://www.nitandhra.ac.in/main/tender))

**1.2 TENDER FOR SUPPLY & INSTALLATION OF OFFICE FURNITURE ITEMS ALONG WITH OTHER INTERIOR WORKS**

**1.2.1** National Institute of Technology (NIT) Andhra Pradesh invites you to tender for the aforesaid work. You are requested to submit your offer in sealed envelope for the aforesaid work as per detailed specifications and other requirements as mentioned more specifically elsewhere in this tender document.

**1.2.2** Tender documents consisting of Proforma of detailed plans, technical specification, schedule of quantities of the various classes of work to be done, is attached with this letter.

**1.2.3** Sealed offers in two separate sealed Envelopes indicating clearly 'Envelope No.1 – Technical bid' and 'Envelope No.2 – Financial/Price bid', should be addressed by name to Director, National Institute of Technology Andhra Pradesh, Tadepalligudem and super scribed "Tender for DESIGN AND FURNISH THE NEWLY BUILT EXISTING OFFICES ALONG WITH SUPPLY, INSTALLATION OF NECESSARY FURNITURE ALONG WITH OTHER INTERIOR WORKS IN G+4 SARDAR VALLABHBHAI PATEL (SVP) ADMINISTRATIVE VISTA, NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH, TADEPALLIGUDEM". The tender should be submitted not later than 15:00 hrs on 14 September 2021.

**1.2.4 Envelope No.1 shall contain;**

**1.2.4.1 Tender with every page signed and stamped.**

1.2.4.2 Bar Chart indicating the program for the execution of the work.

1.2.4.3 The Bidder shall furnish Cost of Tender for Rs. 1,500/- (Rupees One Thousand Five Hundred only). The Cost of Tender amount shall be directly credited to NIT ANDHRA PRADESH current account [Account Name – NIT ANDHRA PRADESH, A/c No. 34999496394, IFSC - SBIN0016305 and Bank Name- State Bank of India as per the details mentioned in the tender. Counterfoil/ receipt/transaction detail for the same has to be enclosed with the tender. The Tender without amount of Cost of Tender shall be rejected out rightly. The Cost of Tender is non-refundable.

1.2.4.4 The Bidder shall furnish an EMD for Rs. 4,00,000/- (Rupees Four Lakh only). The EMD amount shall be directly credited to NIT ANDHRA PRADESH EMD account [Account Name – NIT ANDHRA PRADESH, A/c No. 35579546371, IFSC - SBIN0016305 and Bank Name- State Bank of India as per the details mentioned in the tender. Counterfoil/ receipt/transaction detail for the same has to be enclosed with the tender. The Tender without EMD shall be rejected out rightly. No interest is allowed on the EMD/RMD.

1.2.4.5 Power of attorney authorizing the person to sign the tender.

**1.2.5 Envelope No. 1** will be opened on the last day of submission of tender i.e. on 14 September 2021 at 15:30 hrs. in the presence of Contractors' representatives, should they choose to be present.

**1.2.6** Envelope No. 2 shall contain:

1.2.6.1 Financial / Price Bid and addressed by name to Director, NIT ANDHRA PRADESH, Tadepalligudem.

1.2.6.2 Envelope No.2 shall not contain any conditions whatsoever and any conditional bids shall be rejected.

1.2.6.3 Envelope No.2 containing financial/price bid envelopes shall be opened only in respect of those tenderers who have complied with the requirements as laid down in Pre-Qualification criteria. Opening of financial/price Bid envelope/s shall be done at a later date which shall be intimated after scrutiny of the documents submitted by tenderers.

**1.2.7** If the last date of receipt or opening of the tenders happens to be a holiday for NIT ANDHRA PRADESH, then the receipt and opening of the tenders shall be shifted to next working day without change of time and venue.

**1.2.8** The contractors are advised to attend the Pre-bid meeting at 15:00 hrs on 2nd September 2021 and seek the clarifications. Any additional drawings and designs will be given by the architect during the meeting. All the clarifications will be part of the Tender and will be uploaded on the website subsequently.

**1.2.9** Before filling up the tenders, the Contractors may note the following:

1.2.9.1 The bids shall remain valid and open for acceptance for 3 months from the date of opening of Envelope No. 1. If the tenderer withdraws his tender before the expiry of the said period or makes any modifications in terms and condition of the tender which are not acceptable to the Institute, then the Institute without prejudice to any other right or remedy will be at liberty to forfeit the earnest money.

1.2.9.2 Time of Completion: Time is the essence of the contract. The Contractor shall be allowed to execute the work after working hours, nights & on holidays, with the prior permission from NIT ANDHRA PRADESH authority. No extra payments will be made for the work being done during the odd hours. Date of commencement shall be one-week from the date of issue of work order to the contractor. The work shall be completed in 3 months from the date of commencement. The successful Contractor shall have to give bar/activity chart of various activities of works to be done so that the work gets completed within the stipulated time. The Bar chart shall be submitted within 15 days from the date of acceptance of the tender.

1.2.9.3 Liquidated damages for delay in completion of the works will be levied at 0.25% of the value of the accepted tender for every week of delay or part thereof, subject to maximum of 5% of the value of the accepted tender.

- 1.2.9.4 The contractors should quote the rate in figures as well as in the words excluding GST & taking into account of all other taxes etc. and shall be firm for the entire Contract Period and amount tendered by them. The rate for each item should be worked out and the requisite total amount shall be calculated accordingly. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates, figures and words. However, if a discrepancy is found, the rates, which correspond to the total amount worked out by the contractor shall be taken as correct. In case, the rate assessed does not work out by the amount of an item or it does not correspond with the rate written either in figure or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly the rates quoted by the contractor will be taken as correct and not the amount.
- 1.2.9.5 The tender document must be filled in English and all the entries must be made by the hand Written or neatly typed. If any of the documents are missing or un-signed in financial/ price bid, the tender shall be considered invalid. In case of technical bid, the details of incomplete or missing documents will be intimated to contractors verbally/writing and the contractor has to submit all those documents within 2 days after opening of the technical bid, otherwise the tender will be rejected.
- 1.2.9.6 NIT ANDHRA PRADESH reserves the right to accept or reject any /all tender/s in part or whole of any firm / firms without assigning any reasons for doing so.
- 1.2.9.7 Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 1.2.9.8 The tenderer should visit the site to ascertain the working conditions and local authority regulations / restrictions if any and other information required for the proper execution of the work.
- 1.2.9.9 The quantities of various items given in the schedule of quantities are approximate. The quantities of work may vary at time of allotment / execution of work. Institute reserves the right to omit / delete any item(s) of work from the schedule at the time of allotment / before. Contractor will be paid for the actual work done at the site duly verified by the architect and concerned official of the Institute.
- 1.2.9.10 If the rate quoted by the contractor for any item / items are not workable or abnormally lower than the market rate, the full and final payment of the contractor will be settled after the satisfactory execution of these item.
- 1.2.9.11 NIT ANDHRA PRADESH does not bind itself to accept the lowest or any tender at all. NIT ANDHRA PRADESH also reserves the right to negotiate or partly accept any tender or all tenders received without assigning any reasons thereof.

- 1.2.9.12 Please note that as the building is under occupation by Institute. Adequate precautions/safety measures should be taken to avoid any loss to them, their vehicles, life, property, Institute property etc. Care should be taken regarding building, vehicle parked, water storage, water supply, sewer lines, drainage, electrical cables, telecom cables, and damage/any issue, if any happen, the same should be restored/resettled by the contractor at his risk & cost and he should indemnify the Institute from and against all actions, claims, damages, demand of any nature, kind whatever which may be instituted, prepared, claimed or made against the Institute.
- 1.2.9.13 It must be noted that being near the office environment, the contractor shall create least disturbance while undergoing work, debris shall be removed without creating any inconvenience, all input materials delivered to the site shall be loaded and unloaded without creating any disturbance.
- 1.2.9.14 The Contractor shall be responsible for injury to person or things and for damages to the property which may arise from omission or neglect of the contractor or their employees, whether such injury or damages arises from carelessness, accident or nay other cause whatsoever, in any way connected with carrying out of the work and cost incurred for the injury and damages shall be charged upon the contractor from the next bill.
- 1.2.9.15 Any discrepancies, omissions, ambiguities in the tender documents, if any, or any doubt as to their meaning should be reported in writing to the Director, NIT Andhra Pradesh, Tadepalligudem who will review the questions and if information sought is not clearly indicated or specified, NIT ANDHRA PRADESH will issue clarifications to all the tenderers which will become part of the Tender Document. NIT ANDHRA PRADESH will not be responsible if the discrepancies, omissions, ambiguities in the tenderdocuments or any doubts as to their meaning are not brought to the notice of NIT ANDHRA PRADESH before three working days prior to the last date of submission of the tender. In case of any discrepancy, the decision of NIT ANDHRA PRADESH shall be final.
- 1.2.9.16 The successful Contractor shall execute an agreement on non-judicial stamp paper with NIT ANDHRA PRADESH in accordance with the standard format enclosed (articles of agreement) within 15 days from the date of issue of work order failing which the Contractor's EMD may stand forfeited.
- 1.2.9.17 You have to clean and wash the entire working area thoroughly after removal of debris out of work site to the safe limit earmarked in the premises on daily basis and remove debris out of the premises and dump to municipal corporations' dump yard periodically and get a certificate to that effect from NIT ANDHRA PRADESH. This certificate should be submitted along with the bill and unless the same is done to the satisfaction of the NIT ANDHRA PRADESH, the bill will not be accepted.

### 1.3 FORM OF TENDER

Date:

To:  
The Director  
NIT Andhra Pradesh,  
Tadepalligudem  
Dear Sir,

Subject: DESIGN AND FURNISH THE NEWLY BUILT EXISTING OFFICES ALONG WITH SUPPLY, INSTALLATION OF NECESSARY FURNITURE ALONG WITH OTHER INTERIOR WORKS IN G+4 SARDAR VALLABHBHAI PATEL (SVP) ADMINISTRATIVE VISTA, NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH, TADEPALLIGUDEM

I / We the undersigned have carefully gone through and clearly understood, after visiting the site, the tender drawings and tender documents comprising of the tender form, Notice of Tender, General terms and conditions of tender, Special Conditions, Specifications and Schedule of Quantities prepared by Architects.

I/We hereby offer to execute the works specified in the said Memorandum within the time specified, at the rates mentioned in the financial/ price Bid and in accordance in all respects of the tender and with such materials as are provided for, by and in all other respects in accordance with such conditions so far as they may be applicable.

I / we do here by undertaken to execute and complete the whole or part of the work (as desired by you) at the respective rates quoted.

In the event of this Tender being accepted I / we agree to enter into an agreement as and when required and executed the contract according to your form of Agreement, in default whereof, I / we do hereby bind my-self / ourselves to forfeit the aforesaid deposit.

I / we further agree to complete the work included in the said schedule of quantities within 03 months from the date of commencement. Date of commencement shall be one-week from the date of issue of the Work Order to the contractor.

I / we agree to employ only those sub-contractors; approved by Architects / Employer. I/we agree to provide the list of all the sub-contractors in the beginning or at least one week prior to commencement of the work by the said sub-contractor. In case of non- compliance, I/ we authorize architect/ Institute to stop the work at site.

<b>MEMORANDUM</b>	
a) Description of work	<b>DESIGN AND FURNISH THE NEWLY BUILT EXISTING OFFICES ALONG WITH SUPPLY, INSTALLATION OF NECESSARY FURNITURE ALONG WITH OTHER INTERIOR WORKS IN G+4 SARDAR VALLABHBHAI PATEL (SVP) ADMINISTRATIVE VISTA, NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH, TADEPALLIGUDEM</b>

b) Cost of Tender	The Bidder shall furnish Cost of Tender for Rs. 1,500/- (Rupees One Thousand Five Hundred only). The Cost of Tender amount shall be directly credited to NIT ANDHRA PRADESH current account [Account Name – NIT ANDHRA PRADESH, A/c No. 34999496394, IFSC - SBIN0016305 and Bank Name- State Bank of India as per the details mentioned in the tender. Counterfoil/ receipt/transaction detail for the same has to be enclosed with the tender. The Tender without amount of Cost of Tender shall be rejected out rightly. The Cost of Tender is non-refundable.
c) Earnest Money Deposit (EMD)	The Bidder shall furnish an EMD for Rs. 4,00,000/- (Rupees Four Lakh only). The EMD amount shall be directly credited to NIT ANDHRA PRADESH current account [Account Name – NIT ANDHRA PRADESH, A/c No. 35579546371, IFSC - SBIN0016305 and Bank Name- State Bank of India as per the details mentioned in the tender. Counterfoil/ receipt/transaction detail for the same has to be enclosed with the tender. The Tender without EMD shall be rejected out rightly. No interest is allowed on the EMD/RMD.
d) Integrity Pact	The tenderer has to enter into an Integrity Pact with Institute on Rs. 200/- Non- Judicial Stamp Paper as per the format given in 'Annexure A1' to become eligible to participate in the tender.
e) Time for completion	Date of commencement shall be one-week from the date of issue of work order to the contractor. The work should be completed within 3 months from the date of commencement.
f) Retention Money Deposit (RMD)	5% from every Running Account (R.A.) Bill.

We understand that the time for completion shown above shall be reckoned from the date of commencement of the work.

Should this tender be accepted, I/We hereby agree to abide by and fulfil the terms and provisions or the said Conditions of the tender annexed hereto so far as they may be applicable or in default thereof to forfeit the EMD and pay to the National Institute of Technology Andhra Pradesh, the amount mentioned in the said tender conditions.

Our Bankers are:

- i)
- ii)

The names of partners of our firm are:

- i)
- ii)
- iii)

Name of the partner of the firm Authorized to sign:

OR

Name or person having Power of Attorney to sign the contract (Certified copy of the Power of Attorney should be attached):

Yours faithfully,

**Signature of Tenderer**



#### **1.4 PRE-QUALIFICATION CRITERIA AND SUPPORTING DOCUMENTS**

**Name of work:** Tender For Supply & Installation of Office Furniture items along with other interior works amounting to around Rs. 400.00 Lakh Only.

**1.4.1** The Contractors having experience of executing above types of works under a single contract may apply with detailed certificates / credentials to the Director, NIT Andhra Pradesh. The prescribed form can be downloaded from our web site [www.nitandhra.ac.in/main/tender](http://www.nitandhra.ac.in/main/tender)

1.4.1.1 The firm should have valid registration on or before 01.04.2014.

1.4.1.2 Minimum 03 years' experience in the field of Interior works/fabrication, supply and installation of furniture, which includes all the activities mentioned above.

1.4.1.3 Should have carried out minimum 1 similar work during last 05 years (ending 31.03.2021) with work order value not less than Rs. 200.00 lakh

**OR**

Should have carried out minimum 2 similar works during last 05 years (ending 31.03.2021) with work order value (individually) not less than Rs. 120.00 lakh each.

**OR**

Should have carried out minimum 3 similar works during last 05 years (ending 31.03.2021) with work order value (individually) not less than Rs. 80.00 lakh each.

**1.4.2** The tenderers should have average Annual Turnover of Rs. 200.00 Lakhs during the last three years ending 31 March 2021 supported with copies of audited balance sheets or a registered Chartered Accountant certified statement of accounts.

**1.4.3** The tenderers should have applicable Tax registrations (GST, PAN).

**1.4.4** The tenderers should have valid GST No.

**1.4.5** Tenderers should have a current / savings bank account with a scheduled commercial Bank.

**1.4.6** NIT ANDHRA PRADESH reserves the right to verify any or all the documents furnished by the Tenderers with any authorities. NIT ANDHRA PRADESH also reserves the right to cancel any or all the applications without assigning any reason thereof.

**1.4.7** Intending applicants are required to furnish details about their firm/organization, experience, competence etc. as per the proforma. Failing which shall lead to cancellation of application of Tenderer.

- 1.4.8** While deciding upon the selection of Tenderers, emphasis will be given on the ability and competence to do good quality work in accordance with the specifications and within the time schedule.
- 1.4.9** The application form should be signed by a person on behalf of the Firm/Organization, who is duly authorized to do so.
- 1.4.10** If the space in the application form is insufficient for furnishing full details, such information may be supplemented on a separate sheet of paper duly signed.
- 1.4.11** Applications containing false or inadequate information are liable for rejection and Institute reserves the right to blacklist those agencies. Any agency blacklisted /debarred by NIT ANDHRA PRADESH will be ineligible to participate in the tendering process.

<b>PRE-QUALIFICATION RELATED INFORMATION</b>		
<b>Sr. No.</b>	<b>Criteria</b>	<b>Supporting documents to be submitted</b>
1	<p>The contractors who have minimum 03 years of experience (ending 31.03.2021) in undertaking similar works and who fulfil the following criteria are eligible to tender:</p> <p>Should have carried out minimum 1 similar work during last 05 years (ending 31.03.2021) with work order value not less than Rs. 200.00 lakh</p> <p style="text-align: center;">OR</p> <p>Should have carried out minimum 2 similar works during last 05 years (ending 31.03.2021) with work order value (individually) not less than Rs. 120.00 lakh each.</p> <p style="text-align: center;">OR</p> <p>Should have carried out minimum 3 similar works during last 05 years (ending 31.03.2021) with work order value (individually) not less than Rs. 80.00 lakh each</p>	Work orders and completion certificates in support of experience to be enclosed.
2	Should have working experience as practicing in Interior works/fabrication, supply and installation of furniture for at least 3 years	Experience certificate from the clients /companies to be enclosed.
3	Name & registered address of Contractors	Supporting documents to be attached.

4	The applicant should have qualified engineer/technical personnel with sufficient experience in fabrication of furniture and supervision of interior works.	Organizational set up of the firm including names, qualifications and experience of partners/associates and staff, to be submitted as per enclosed format (Part - I - Basic Information) and (Part - III - Technical personnel & Experience).
5	Important large similar projects executed during the last 5 years by the firm together with approximate cost of the individual project. The full postal address of the client for whom the works have been executed shall also be given	As per the enclosed format (Part - II (a) - Previous Experience).
6	Important large similar supply orders on which the firm is engaged at present with estimated cost of the individual project. The full postal address of the client shall also be given	As per the enclosed format (Part - II (b) - Important projects in hand).

### 1.5 PROFORMA FOR ELECTRONIC PAYMENT

Details of Bank account to be furnished by the contractors/ service providers for effecting payment through ECS (e-payments)

Name and address of Contractor with phone no.

Name of the account holder (As appearing in the Bank account)

Name of the Bank

Name of the Branch Account number

RTGS/ NEFT/ IFS Code

Type of account (Savings, current, etc.) PAN Number

Service Tax No. /GST No.

Signature

Encl:

(1) One cancelled cheque leaf

(2) Copy of PAN card

**PART - I**

**1.6 BASIC INFORMATION**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Information</b>
1	Name of the organization	
2	Type of Organization AA- Whether Proprietorship, Partnership etc. (Please enclose related documents)	
3	Name of the Proprietor/ Partners/ Directors in the organisation	(a)
		(b)
		(c)
4	Details of Registration (Firm, Company etc.)(Registering Authority, Date, Number etc.)	
5	Experience in the respective field of work (Please enclose supporting documents)	Years
6	a) Registered office address and telephone no.	
	b) Office address through which the work will be handled in Tadepalligudem	
7	Indicate if involved in any litigation, arbitration or any civil suit pending in any of the works executed during last 7 years/ being executed. If yes, please furnish the name of the project & employer, nature of work, contract value, work order and date & brief details of litigation. Attach a separate sheet, if required	
8	Kindly mention if your firm/ agency/ company is blacklisted/ debarred by NIT ANDHRA PRADESH along with relevant details	

SIGNATURE OF THE APPLICANT

(WITH SEAL)

PART – II (a)

**1.7 PREVIOUS EXPERIENCE**

<b>List of similar works* of Higher values executed by the firm during the last 7 years (costing as mentioned in the Eligibility Criteria)</b>									
The details of previous experience with NIT ANDHRA PRADESH in any of the centers may be provided separately (in tabular form)									
Sr. No.	Name of the work & location	Nature of work involved in the contract	Name & address of the owner and architect	The full name, designation, address of the officer under whom the work was carried out	Contract Amount (In Rs. Lakh)	Completion period (stipulated)	Completion period (actual)	Whether the work was left incomplete or contract was terminated from either side	Any other relevant information including reason, if any, for delay in completion of work
1	2	3	4	5	6	7	8	9	10

SIGNATURE OF THE APPLICANT  
(WITH SEAL)

\* Attach a separate sheet, if required.

PART – II (b)

1.8 WORK IN-HAND

List of Important works* in-hand (costing as mentioned in the Eligibility Criteria)									
Sr. No.	Name of the work & location	Nature of work involved in the contract	Name & address of the owner and architect	The full name, designation, address of the officer under whom the work was carried out	Contract Amount (In Rs. Lakh)	Completion period (stipulated)	Completion period (actual)	Whether the work was left incomplete or contract was terminated from either side	Any other relevant information including reason, if any, for delay in completion of work
1	2	3	4	5	6	7	8	9	10

SIGNATURE OF THE APPLICANT  
(WITH SEAL)

\* Attach a separate sheet, if required.

PART-III

**1.9 LIST OF TECHNICAL PERSONNEL**

Giving details about their Technical qualifications, experience etc.								
Sr. No.	Name	Age	Qualifications	Experience	Nature of work handled	Name of the Projects handled costing more than Rs. 80.00 Lakh	Date from which employed in your organization	Any other remarks
1	2	3	4	5	6	7	8	9

SIGNATURE OF THE APPLICANT  
(WITH SEAL)

\* Attach a separate sheet, if required.

**2.1 PROCEDURE OF FILLING AND SUBMISSION OF TENDER**

- 2.1.1** The tenderers should quote their rates in figures and words where the quantities have been indicated in the relevant items of the schedule of quantities, failures to do so may invalidate the tender. Erasing or over writing shall not be allowed. Corrections in the tender should be avoided if this becomes unavoidable, the entire rate (and not a portion only) shall be scored out and signed (not simply initiated) by the tenderer as token of such cancellation. A fresh rate in specified manner shall then be correctly written.
- 2.1.2** In the event of the tender being submitted by a firm, it must be signed by a member or members of the firm having legal authority to do so, and if called for, the legal documents in support thereof must be produced for inspection and the same in the case of the firm carried out by one member of a joint family.
- 2.1.3** All corrections are to be initialled.
- 2.1.4** The tenderer is to quote this rate in ink/type both in words and figures in English. The tender shall be clearly and legibly written and whole writing must be by the hand of the person signing the tender and with the same pen and ink/type.
- 2.1.5** The employer reserves to itself the right to accept the lowest or split up and distribute any items of work to any specialist firm or firms without assigning any reason. The employer reserves the right to split up and distribute the work to more than one tenderer, if necessary. Signature/initial with company seal on each page will be deemed to be the acceptance of the contents of this tender paper by the tenderer.
- 2.1.6** Tenderer shall note that their tenders shall remain open for acceptance for a minimum period of three months from the date of opening the financial bid. The tender must be unconditional. Conditional tenders may be summarily rejected.

**2.2 RATES TO INCLUDE:**

While quoting their rates the tenderer should include the following also if otherwise not stated herein before.

- 2.2.1** Necessary cost of taking samples of materials supplied by them for construction testing of the same at Govt.'s / approved laboratory including transportation, cost of the samples, as and when required.
- 2.2.2** Submission of test reports of other materials as may be specified by Architects or Institute.



- 2.2.3** Rates should include all prevailing Taxes except GST as per Act, etc. and should be firm for the entire Contract period. No escalation of rates will be allowed for the entire contract period on any account. GST to be added separately.
- 2.2.4** Electricity and water will be provided by NIT ANDHRA PRADESH free of cost.
- 2.2.5** Basic rate:
- 2.2.5.1 Basic rate is applicable in case of items to be purchased directly by contractor from manufacturer or authorised dealer of one of the approved make. Purpose of basic rate is to provide the bidder an indication of the quality expected.
- 2.2.5.2 This is derived from latest list price of model and make of furniture confirming to specifications indicated in the tender excluding GST.
- 2.2.5.3 Contractor may make suitable provisions for meeting all tender obligations as per document such as transport cost, insurance, overheads and profits etc and also consider trade discount available to him from manufacturer or dealer and quote the same in form of % above or below the basic cost indicated against each item. No extra payment will be made to contractor other than GST.
- 2.2.5.4 The bidder will quote above or below the basic rate in percentage terms. The actual payment will be made by applying this percentage to the rate of item approved by Institute.
- 2.2.5.5 Contractor will have to submit the latest list price duly authenticated by manufacturer with his bill. Institute will have right to verify the same. Original GST INVOICE of all the items shall be produced to Institute for verification.
- 2.2.6** The quoted rate shall include the cost of all minor/sundry items to make it functional.

### **2.3 WORKING HOURS:**

Since the site is a Institute Premises, the Contractor may execute the work in days, nights & on holidays. No extra payments will be made to the contractor on account of carrying out the works during holidays and at odd hours.

#### **2.3.1 STORAGE OF MATERIALS:**

On-site storage space may be provided to the Contractor subject to availability. However, the Contractor may erect temporary sheds for storage purposes at his cost with the permission of NIT ANDHRA PRADESH. NIT ANDHRA PRADESH shall not be responsible for Contractor's materials. The Contractor shall be required to vacate the storage space and sheds as per exigency without any extra cost to NIT ANDHRA PRADESH.

#### **2.3.2 LABOUR HUTMENT:**

Shelter or stay for the labourers has to be arranged by the contractor outside Institute premises.

#### **2.3.3 IDLE LABOUR AND EXTENSION OF TIME:**

In case the work is held up for any site conditions not attributable to the contractors or for any decisions instructions / want of details from Employer / Architects or for any of the conditions as per General conditions of contract, the contractor shall be allowed reasonable extension of time by the employer but any additional/ extra claim for payment to idle labour /tools /establishment /plant etc during this period shall not be the liability of the employer. Contractor's quoted rates should include for all such contingencies.

### **3.1 INTERPRETATION**

**3.1.1** In constructing these conditions, the specifications, the schedule of quantities, tender and agreement, the following words shall have the meaning herein assigned to them except where the subject or context otherwise requires.

3.1.1.1 The Contractor or his authorized representative should visit the site frequently as required by NIT ANDHRA PRADESH for any clarifications and to receive instructions, take measurements, etc. at the site. The work should not suffer due to lack of supervision, manpower and materials.

3.1.1.2 The Contractor is required to co-ordinate his works along with other agencies working at site. He has to reimburse for any of the damage made by him or any of his representatives to any other agency or the owner at site.

3.1.1.3 Nothing extra will be paid for making any cut-out / opening for electrical wiring /fitting in any of false ceiling, partition, Panelling, masonry work etc. Contractor's quoted rates should include for all such works.

3.1.1.4 The contractor is required to fabricate a sample where required, or any item so installed for approved. Any changes made by the Architect's / Employers, in the sample to the specifications as mentioned in the tender, shall not be deducted or paid extra. The bulk production of the furniture can only be taken up after the final approval of the sample of the item.

3.1.1.5 The partitions shall be so fixed that all joinery work is in plumb and true in line. The partition frame shall be firmly fixed to the floor and ceiling by using suitable wall plugs and screws.

3.1.1.6 The contractor shall check all dimensions before fabricating and fixing the partitions or ceiling in position at site.

3.1.1.7 All measurements given in the schedule hereunder are for the purpose of tender only. Payment will be made on actual measurement of the work done to the full satisfaction of NIT ANDHRA PRADESH/Architect.

3.1.1.8 All measurements shall be as per relevant I.S.I. standards and Materials used should conform to relevant Codes.

3.1.1.9 Except where provided for in the description of the individual items in the schedule of quantities and in the specifications and conditions laid down hereinafter and in the drawings, the work shall be carried out as per standard specifications and under the direction of NIT ANDHRA PRADESH/ Architect.

**3.1.2** Employer: The term employer shall denote NIT Andhra Pradesh with their Head office at Kakatla, Tadepalligudem and the Director authorized on the behalf.

**3.1.3** Architects / Consultants: The term Architects shall mean any external or in-house Architects or the engineers appointed by NIT Andhra Pradesh to finalize the executing drawings.

- 3.1.4** Contractor: The term 'Contractor' shall mean (Name and address of the contractor) and his / their heirs, legal representatives, assigns & successors.
- 3.1.5** Site: The site shall mean the site where the works are to be executed.
- 3.1.6** Drawings: The work is to be carried out in accordance with drawings, specifications, the schedule of quantities and any further drawings, which may be supplied, or any other instruction, which may be given by the Employer during the execution of the work.
- 3.1.7** All drawings relating to work given to the contractor together with a copy of schedule of quantities are to be kept at site and the contractor will make them available to the employer / architect whenever necessary.
- 3.1.8** In case any detailed Working Drawings are necessary contractor shall prepare such detailed drawings and / or dimensional sketches therefore and have it confirmed by the Employer / Architects as case may be prior to taking up such work.
- 3.1.9** The contractor shall ask in writing for all clarifications on matters occurring anywhere in drawings, specifications and schedule of quantities or to additional instructions at least 10 days ahead from the time when it is required for implementation so that the Employer may be able to give decision thereon.
- 3.1.10** "The Works" shall mean the SUPPLY & INSTALLATION OF OFFICE FURNITURE ITEMS ALONG WITH OTHER INTERIOR WORKS to be executed or done under this contract.
- 3.1.11** "Act of Insolvency" shall mean any act as such as defined by the Presidency Towns Insolvency Act or in Provincial Insolvency act or any amending status.
- 3.1.12** "The Schedule of Quantities" shall mean the schedule of quantities as specified and forming part of this contract.
- 3.1.13** "Priced Schedule of Quantities" shall mean the schedule of quantities duly priced with the accepted quoted rates of the contractor.
- 3.1.14** "Contract" shall mean the Articles of Agreement, the general conditions special conditions, the appendix, the schedule of quantities, specifications and drawings attached here to and duly signed.
- 3.1.15** 'Contract Price' shall mean the sum named in the Tender subject to such additions thereto or deductions there from as may be made under the provisions hereafter contained.
- 3.1.16** 'Notice in Writing' or written notice shall mean a notice in writing, type or printed characters sent (unless delivered personally or otherwise provided to have been received) by registered post to the last known private or business address or registered office of the addressee and shall be deemed to have been received when in the ordinary course of post it would have been delivered.
- 3.1.17** 'Virtual Completion' shall mean the site is in the opinion of the Architect and Employer fit for occupation.
- 3.1.18** "Date of commencement" shall be either one-week, from the date of issue of work order to the contractor or day on which the contractor will take possession of site whichever is earlier

### **3.2 SCOPE OF WORK:**

The Contractor shall carry out and complete the said work in every respect in accordance with this Contract and with the directions of and to the satisfaction of the Architect and Employer. The Architect with approval of NIT ANDHRA PRADESH issue further drawings and / or written instructions, details directions and explanations which hereafter collectively referred to as 'Architect's Instructions'. In regard to:

- 3.2.1** The variation or modification of the design quality or quantity of works or the addition or omission or substitution of any work.
- 3.2.2** Any discrepancy in the drawings or between the schedule of quantities and / or drawings and / or specification.
- 3.2.3** The removal from the site of any defective material brought thereon by the contractor and the substitution of any other material thereof.
- 3.2.4** The demolition removal and / or re-execution of any work executed by the contractor/s.
- 3.2.5** The dismissal from the work of any persons employed there upon.
- 3.2.6** The opening up for inspection of any work covered up.
- 3.2.7** The rectification and making good of any defects under clauses hereinafter mentioned and those arising during the maintenance period (Defect Liability Period).

The contractor shall forthwith comply with and duly execute any work comprised in such Employer's or his agent / Architect's instructions, provided always that verbal instructions, directions and explanations given to the contractor's or his representative upon the works by the Employer's or his agent/Architects shall, if involving a variation, be confirmed in writing to the contractor/s within seven days. No works, for which rates are not specifically mentioned in the priced schedule of quantities, shall be taken up without written permission of the Employer or his agent / Architects. The employer in consultation with the Architects as provided in clause "variation" shall fix rates of items not mentioned in the priced schedule of quantities. Regarding all factory made products for which ISI marked products are available, only products bearing ISI marking shall be used in the work.

### **3.3 TENDERERS SHALL VISIT THE SITE**

Intending tenderer shall visit the site and make himself thoroughly acquainted with the local site condition, nature and requirements of the works, facilities of transport conditions, effective labour and materials, access and storage for materials and removal of rubbish. The tenderer shall include the cost of these items in the quoted rates like carriage, freight and other charges as also for any special difficulties and including police restriction for transport etc., for proper execution of work as indicated in the drawings. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the employer or his agent / Architect might be deemed to have reasonably been inferred to be so existing before commencement of work.

### **3.4 TENDERS**

The entire set of tender paper issued to the tenderer should be submitted and also signed on the last page together with initials on every page. Initial / signature will indicate the acceptance of the tender papers by the tenderer.

(Also see GENERAL INSTRUCTIONS for the guidance of Tenderers) The schedule of quantities shall be filled in as follows:

- 3.4.1** The “Rate” column to be legibly filled in ink in both English figures and English words.
- 3.4.2** Amount column to be filled in for each item and the amount for each sub head as detailed in the “Schedule/ Bill of Quantities”.
- 3.4.3** All corrections are to be initialled.
- 3.4.4** In case of any errors / omissions in the quoted rates, the rates given in the tender marked “original” shall be taken as correct rates.

No modifications, writings or corrections can be made in the tender papers by the tenderer, but may at his option offer his comments or modifications in a separate sheet of paper attached to the original tender paper.

The Employer reserves the right to reject the lowest or any tender and also to discharge any or all of the tenders of each section.

The tenderers should note that the tender is strictly on the item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting. If called upon by the Employer / Architects detailed analysis of any or all the rates shall be submitted. The Employer / Architects shall not be bound to recognize the contractor’s analysis. All corrections are to be initialled.

The works will be paid for as “measured work” on the basis of actual work done and not as “lumpsum” contract, unless otherwise specified.

All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump-sum charges in the tender in respect of any items of work will be made for the actual work done on the basis of lumpsum charges as will be assessed to be payable by the Employer / Architects.

The employer has power to add to, omit from any work as shown in drawings or described in specifications or include in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the contractor without authorization from the Employer. No variation shall vitiate the contract.

The tenderer shall note that his tender shall remain open for consideration for a period of three months from the date of opening of the tender.

### **3.5 AGREEMENT**

The successful contractor will be required to sign agreement in accordance with the draft agreement from enclosed and the schedule conditions. The contractor shall pay for all stamps and legal expenses, incidental thereto. However, the written acceptance by the employer of a tender will constitute a binding contract between the employer and the person so tendering whether such formal agreement is or is not subsequently executed.

### **3.6 AUTHORITIES, NOTICES, PATENT RIGHTS AND ROYALTIES:**

The Contractor shall confirm to the provisions of the statutes relating to the works, and so to the regulation and bylaws of a local authority, and of any water, lighting and other companies on authorities with whose systems the structures are proposed to be connected and shall before making any variation from the drawings or specifications, that may be necessitated by so conforming given to the Architect’s written notice, specifying the variations proposed to be made and the reason for making it apply for instruction thereon. In case, the Contractor shall not within the 10 days receive such instruction, he shall proceed with the work conforming to the provisions, regulations or bylaws in questions.

The Contractor shall bring to the attention of the Architect all notices required by the said acts, regulations or bylaws to be given to any Authority, and pay to such authority or to any Public Officer all fees that may be properly chargeable in respect of the works, and lodge the receipts with the Architect /Employer.

The Contractor shall identify the Employer against all claims in respect of patent rights, designs, trademarks or name or the protected rights in respect of any constructional plant, machine, work or material used for or in connection with the works or temporary works and from and against all claims, demands, proceedings, damages, costs, charges, and expenses whatsoever in respect thereof or in relation thereto. The Contractor shall defend all actions arising from such claims, unless he has informed the Architects, before any such infringement and received their permission to proceed and shall himself pay all royalties, license fees, damages, cost and charges of all and every sort that may be legally incurred in respect thereof.

### **3.7 TAXES AND DUTIES**

The tenderers must include in their tender prices quoted for all duties royalties, other taxes or local charges if applicable excluding GST. No extra claim on this account will in any case be entertained. GST at applicable rates shall be paid on quoted rates.

### **3.8 NOTICES AND STATUTORY REGULATIONS:**

The contractor shall give all notices and pay all fees and shall comply all Acts and Regulations for the successful completion of the contract works. The whole of the work is to be complied with as per the requirements and bylaws of the relevant statutory authorities including contract labour (Regulation and Abolition) Act 1970.

### **3.9 QUANTITY OF WORK TO BE EXECUTED**

The Schedule of Quantities unless otherwise stated shall be deemed to have been prepared in accordance with the Standard Procedure of the Architects shall be considered to be approximate and subject to variation. The Employer reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore.

The Contractor shall be deemed to have satisfied himself before tendering to the correctness and sufficiency of his tender for the works and of the prices stated in the Schedule of Quantities and/ or the Schedule of Rates and Prices, which rates and prices shall cover all things necessary for the completion of the works.

### **3.10 OTHER PERSONS ENGAGED BY THE EMPLOYER**

The Employer reserves the right to execute any part of the work included in this contract or any work, which is not included in this contract by the other Agency, or persons and contractor shall allow all reasonable facilities and use of his scaffoldings for the execution of such work. The main contractor shall extend all cooperation in his regard.

### **3.11 EARNEST MONEY AND SECURITY DEPOSITS**

The Bidder shall furnish an EMD for Rs. 4,00,000/- (Rupees Four Lakh only). The EMD amount shall be directly credited to NIT ANDHRA PRADESH current account [Account Name – NIT ANDHRA PRADESH, A/c No. 35579546371, IFSC - SBIN0016305 and Bank Name- State Bank of India as per the details mentioned in the tender. Counterfoil/ receipt/transaction detail for the same has to be enclosed with the tender. The Tender without EMD shall be rejected out rightly. No interest is allowed on the EMD/RMD.

### **3.12 CONTRACTOR TO PROVIDE EVERYTHING NECESSARY**

The Contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawings, schedule of quantities and Specifications taken together

whether the same may or may not be particularly shown Or described therein provide that the same can reasonably be inferred there from and if the contractor finds any discrepancies therein he shall immediately and in writing, Refer the same to the Employer / Architects whose decision shall be final and binding.

### **3.13 TIME OF COMPLETION, EXTENSION OF TIME & PROGRESS CHART**

The Contractor shall be allowed admittance to the site on the 'Date of Commencement' stated in the Appendix, and he shall thereupon and forthwith begin the works and shall regularly proceed with to complete the same (except such painting or other decorative work as the Architect may desire to delay) on or before the 'Day of Completion "stated in the Appendix subject nevertheless the provision for the extension of time hereinafter contained.

If in the opinion of the NIT ANDHRA PRADESH/Architect the works be delayed:

- 3.13.1** By force majeure or by reason of any exceptionally inclement weather or
  - 3.13.2** By reason of proceedings taken or threatened by or dispute with adjoining or neighboring owners of public authorities arising, than through the Contractor's own default or
  - 3.13.3** By the works or delays of the contractors/tradesmen engaged or nominated by the Employer / Architect and not referred in the Schedule of Quantities and / or specifications or
  - 3.13.4** By reason of civil commotion, local combination of workmen or strike or lock- out affecting any of the buildings/traders or
  - 3.13.5** By reason of the NIT ANDHRA PRADESH/Architect's instructions, or
  - 3.13.6** In consequence of the Contractor not having in due time, necessary instructions from the Architect for which he shall have specifically applied in writing ahead of time, giving the NIT ANDHRA PRADESH/Architect reasonable time to prepare such instructions, the Architects shall make a fair and reasonable extension of time for completion of the Contract works.
  - 3.13.7** In case of such strike or lock-out, the Contractor shall as soon as possible, give written notice thereof the Architect, but the Contractor shall nevertheless constantly use his endeavours to prevent delay and shall do all them may reasonably be required, to the satisfaction of the Architect to proceed with the work.
  - 3.13.8** The Contractor on starting the works shall furnish to the Employer / Architect a Bar chart for carrying out the work stage in the stipulated time for the approval of Architect / Employer and follow strictly the approved time schedule incorporating charges if any, to ensure the completion of the work in stipulated time. A graph or chart on individual work shall be maintained showing the proportionate progress of work week by week by Architect, a weekly progress report stating the number of skilled and un skilled laborers employed on the work, working hours done, place, type, and quantity of work done during the period.
- The Contractor must inform the Architect, 10 days in advance of all drawings and details required by him from time to time. The Contractor shall adhere to the approved program and arrange for the materials and labour etc accordingly. Despite repeated instructions, if the Contractor fails to show proportionate progress of the work, the Architect / Employer may take suitable action as deemed fit without prejudice to any terms and conditions of the contract.

### **3.14 LIQUIDATED DAMAGES**

Should the work be not completed to the satisfaction of the Employer / Architects within the stipulated period, the contractor shall be bound to pay to the Employer a sum calculated as given below by way of liquidated damages and not as penalty during which the work remains uncommenced or unfinished after the expiry of the completion date.

If the contractor fails to complete the work by the Scheduled date of completion or within any sanctioned extended time, he will have to pay liquidated damages at rate of

0.25 % of contract value for each week of delay subject to maximum of 5% of the contract value.

### **3.15 MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS**

All the works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workman like manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by the Employer / Architects during the execution of the work and to his entire satisfaction.

All mandatory tests shall be carried out as per specifications. If required by the Employer / Architects, the contractor shall have to carry out tests on materials and workmanship in approved materials testing laboratories or as prescribed by the Employer / Architects at his own cost to prove that the materials etc., under test conform to the relevant I.S Standards or as specified in the specifications. No extra payment on this account shall in any case be entertained.

All the materials (except where otherwise described) stores and equipment required for the full performance of the work under the contract must be provided through normal channels and must include charges for import duties and other charges and must be the best of their kind available and the contractors must be entirely responsible for the proper and efficient carrying out of the work. The work must be done in the best workmanlike manner. **Samples of all materials to be used must be submitted to the Employer / Architects when so directed by the Employer / Architects and written approval from Employer / Architects must be obtained prior to placement of order.**

Any damage (during constructions) to any part of the work for any reasons due to rain, storm or neglect of contractor shall be rectified by the contractor in an approved manner at no extra cost.

Should the work be suspended by reason of rain, strike, lockouts or any other cause, the contractor shall take all precautions necessary for the protection of work and at his own expenses shall make good any damage arising from any of these causes.

The contractor shall cover up and protect from damage, from any cause, all new work and supply all temporary doors, protection to windows, and any other requisite protection for the execution of the work whether by himself or special tradesmen or sub-contractor and any damage caused must be made good by the contractor at his own expenses.

## **1. REMOVAL OF IMPROPER WORK, ITEMS SUPPLIED AND INSTALLED**

The Employer shall during the progress of the work have power to order in writing from time to time the removal from the work within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Employer / Architects are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanship not in accordance with the drawings and specifications or instructions. In case the contractor refuses to comply with the order the Employer shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Employer / Architects shall be done by the contractor or may be deducted from any money due to or that may become due to the contractor. No certificate, which may be given by the



Architects, shall relieve the contractor from his liability in respect of unsound work or bad materials.

### **3.16 SITE ENGINEER**

The Employer may appoint a Site Engineer if required, who will be representative of the Employer and also for the Architect. The duties of the Employer representative are to watch and supervise the works and to test any materials to be used of workmanship employed in connection with the works. He shall have no authority either to relieve the Contractor of any of his duties or obligations under the Contract, or except those expressly provided hereunder, to order any work involving delay or any extra payment by the Employer or any variation of or in the works.

The contractor shall afford the Employer's representative every facility and assistance for examining the works and materials and checking the measuring time and materials. Neither the Employer's representative nor any assistant to the Architect shall have power to revoke, alter enlarge or relax the requirements of this Contract, or to Sanction any day-work, additions, alterations, deviations or omissions unless such an authority may be specially conferred by a written order of the Architect / Employer.

The Employer's Representative shall have to give notice to the Contractor or his foremen about the non-approval of any work or materials and such works shall be suspended or the use of such material should be discontinued until the decision of the Architect is obtained, the work will from time to time be examined by the Architect or the Employer's representative but such examinations shall not in any way exonerate the Contractor from the obligation to remedy defects which may be found to exist at any stage of the work of after the same is completed. Subject to the limitations of this cause, the Contractor shall take instruction from the Architect / Employer.

### **3.17 CONTRACTOR'S EMPLOYEES**

The Contractor shall employ technically qualified and competent supervisors for the work who shall be available (by turn) throughout the working hours to receive and comply with instructions of the Employer / Architects. The contractor shall engage at least one experienced Technical personnel as site-in-charge for execution of the work. The contractor shall employ in connection with the work persons having the appropriate skill or ability to perform their job efficiently.

Any labourer supplied by the contractor to be engaged on the work on day work basis either wholly or partly under the direct order or control of the Employer or his representative shall be deemed to be a person employed by the contractor.

The contractor shall comply with the provisions of all labour legislation including the requirements of

**3.17.1** The payment of Wages Act.

**3.17.2** Employer's Liability Act.

**3.17.3** Workmen's Compensation Act.

**3.17.4** Contract Labour (Regulation & Abolition) Act. 1970 and Central Apprentices Act 1961

**3.17.5** Minimum Wages Act

**3.17.6** Any other Act or enactment relating thereto and rules framed there under from time to time.

The contractor shall keep the Employer indemnified against claims of any of the workmen and all costs and expenses as may be incurred by the Employer in connection with any claim that may be made by any workmen.

The contractor shall comply at his own cost with the order for requirement of any Health Officer of the State or any local authority or of the Employer regarding the maintenance of proper

environmental sanitation of the area where the contractor's laborers' are housed or accommodated, for the prevention of small pox, cholera, plague, typhoid, malaria and other contagious diseases. The contractor shall provide, maintain and keep in good sanitary condition adequate sanitary accommodation and provide facilities for pure drinking water at all times for the use of workers engaged on the works and shall remove and clear away the same on completion of the works. Adequate precautions shall be taken by the contractor to prevent nuisance of any kind on the works or the lands adjoining the same.

The contractor shall arrange to provide first aid treatment to the laborers' engaged on the works. He shall within 24 hours of the occurrence of any accident at or about the site or in connection with execution of the works report such accident to the Employer and also to the competent Authority where such report is required by law.

### **3.18 DISMISSAL OF WORKMEN**

The contractor shall on the request of the Employer immediately dismiss from works any person employed thereon by him, who in the opinion of the Employer be unsuitable or incompetent or who may misconduct him. Such discharges shall not be the basis of any claim for compensation or damages against the Employer or any of their officer or employee.

### **3.19 ASSIGNMENT**

The whole of the works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign or underlet the contract or any part, share or interest therein nor, shall take a new partner, without written consent of the Employer and no subletting shall relieve the contractor from the full and entire responsibility of the contract or from active superintendence of the work during their progress.

### **3.20 DAMAGE TO PERSONS AND PROPERTY INSURANCE ETC**

The contractor shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and / or decorative part of property which may arise from the operations or neglect of himself or of any sub- contractor or of any of his or a sub-contractor's employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract. The clause shall be held to include inter-alia, any damage to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, foot paths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather. The contractor shall indemnify the Employer and hold harmless in respect of all and any expenses arising from any such injury or damages to the person or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts on compensation or damage consequent upon such claim.

### **3.21 MEASUREMENTS**

Before taking any measurement of any work the contractor/ its representative deputed by him shall give reasonable notice to the employer. The mode of measurement will depend upon the unit mentioned in the Schedule of Quantities. If the contractor fails to attend at the measurements after such notice or fails to countersign or to record the difference within a week from the date of measurement in the manner required by Site Engineer or by the subordinate deputed by him as the case may be is final and binding on the contractor and contractor shall have no right to dispute the same.

The Employer / Architect shall issue a certificate after due scrutiny of the contractor's bill stating the amount due to the contractor from the Employer and the contractor shall be entitled to payment thereof, within the period of honoring certificates named in these documents.

### **3.22 PAYMENTS**

All bills shall be prepared by the contractor in the form prescribed by the Employer/ Architect. Normally, one interim bill shall be prepared each month subject to minimum value for interim certificate as stated in these documents. The bills in proper forms must be duly accompanied by detailed measurements in support of the qualities of work done and must show deductions for all previous payments, retention money, etc.

The Employer / Architect shall issue a certificate after due scrutiny of the contractor's bill stating the amount due to the contractor from the Employer and the contractor shall be entitled to payment thereof, within the period of honoring certificates named in these documents.

The Employer will deduct retention money as described in Memorandum of Form of Tender. The refund of retention money will be made after completion of defects liability period.

If the Employer has supplied any materials or goods to the contractor, the cost of any such materials or goods will be progressively deducted from the amount due to the contractor in accordance with the quantities consumed in the work.

All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude, the requiring of bad, unsound, imperfect or unskilled work to be removed and taken away and reconstructed, or re-erected or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim, nor shall, it conclude, determine or affect in any way the power of the Employer under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be submitted by the contractor to the architect within one week of the date fixed for completion of the work or of the date of certificate of completion furnished by the Architect.

### **3.23 Final Payment**

The final bill shall be accompanied by a certificate of completion from the Employer/ Architects. Payments of final bill shall be made after deduction of Retention Money as specified above, which shall be refunded after the completion of the Defects Liability Period after receiving the Employer's / Architect's certificate that the contractor has rectified all defects to the satisfaction of the Employer / Architects. The acceptance of the payment of the final bill by the contractor would indicate that he has no further claim in respect of the work executed.

### **3.24 VARIATION / DEVIATION**

The tender rates shall be fixed and applicable for any increase or decrease in the tendered quantities. The Employer / Architect can increase or decrease any quantities to any extent or even delete particular item as per the site requirements and the contractor shall not be paid anything extra on this account. Nothing extra will be paid by the Institute on account of omission / deletion of items or decrease in the quantity of items. The Institute shall not entertain any claim whatsoever from the contractor on this account.

The price of all additional items / non-tendered items will be worked out on the basis of rates quoted for similar items in the contract wherever existing. If similar items are not available, the rates for such items will be derived as per standard method of rate analysis based on prevalent fair price of labour, material and other components as required with 15% towards contractor's profit and overheads plus applicable GST.

### **3.25 SUBSTITUTION**

Substitution is generally not allowed. In case of exception, it will be permitted after the approval of the Employer / Architects in writing for any such substitution well in advance. Materials designated in this specification shall be prefer first and in case of non-availability those mentioned in BoQ the substitution by "Equal" or "Other approved" etc. needs approval of the Employer/ Architect in writing.

### **3.26 CLEARING SITE ON COMPLETION**

On completion of the works the contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Employer/Architects.

### **3.27 DEFECTS AFTER COMPLETION**

The contractor shall make good at his own cost and to the satisfaction of the Employer all defects, shrinkage, settlements or other faults, which may appear within 12 months after completion of the work. In the default, the Employer may employ and pay other persons to amend and make good such damages, losses and expenses consequent thereon or incidental thereto shall be made good and borne by the contractor and such damages, loss and expenses shall be recoverable from him by the Employer or may be deducted by the employer, in lieu of such amending and making good by the contractor, deduct from any money due to the contractor a sum equivalent to the cost of amending such work and in the event of the amount retained being insufficient recover that balance from the contractor from the Retention Money together with any expenses the Employer may have incurred in connection therewith.

### **3.28 IDLE LABOUR**

Whatever the reasons may be, no claim for idle labour, additional establishment cost of hire and labour charges of tools and plants would not be entertained under any circumstances.

### **3.29 SUSPENSION OF WORKS**

If the contractor except on account of any legal restraint upon the Employer preventing the continuance of the work or in the opinion of the Employer shall neglect or fail to proceed with due diligence in the performance of his part of the contract or if he shall more than once make default, the Employer shall have the power to give notice in writing to the contractor requiring the work to be proceeded within a reasonable manner and with reasonable dispatch, such notice purport to be a notice under this clause.

After such notice shall have been given, the contractor shall not be at liberty to remove from the site of the works or from any ground contiguous thereto any plant or materials to subsist from the date of such notice being given until the notice shall have been complied with. If the contractor fails to start the work within seven days after such notice has been given to proceed with the works as therein prescribed, the employer may proceed as provided in clause 30 below. (Termination of Contract by Employer)

### **3.30 TERMINATION OF CONTRACT BY EMPLOYER**

If the contractor being a company go into liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater part, in number of amount of his creditors or shall enter into a Deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the Receiver of the contractor in insolvency, shall repudiate the contract, or if a receiver of the contractor's firm appointed by the court shall be unable within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the employer that he is able to carry out and fulfil the contract, and if so required by the employer to give reasonable security therefore, or if the contractor shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the contractor, or shall assign, charge or encumber this contract or any payments due or which may become due to contractor, there under, or shall neglect or fail to observe and perform all or any of the acts matters of things by this contract, to be observed and performed by the contractor within three clear days after the notice shall have been given to the contractor in manner hereinafter mentioned requiring the contractor to observe or perform

the same or shall use improper materials of workmanship in carrying on the works, or shall in the opinion of the employer not exercise such due diligence and make such progress as would enable the work to be completed within due time agreed upon, and shall fail to proceed to the satisfaction of the employer after three clear notice requiring the contractor so to do shall have been given to the contractor as hereinafter mentioned or shall abandon the contract, then and in any of the said cases, the Institute may notwithstanding previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby effecting the powers of the employer of the obligations and liabilities of the contractor the whole of which shall continue in force as fully as if the contract, had not been so determine and as if the works subsequently executed by or on behalf of the contractor (without thereby creating any trust in favour of the contractor) further the employer or his agent, or servants, may enter upon and take possession of the work and all plants tools scaffolding sheds machinery, steam, and other power, utensils and materials lying upon premises or the adjoining lands or roads and sell the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other contractors or other persons or person to complete the works, and the contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other contractors or other persons or person employed from completing and finishing or using the materials and plants for the works when the works shall be completed, or as soon thereafter as conveniently may be the employer shall give notice in writing to the contractor to remove his surplus materials and plants and should the contractor to remove his surplus materials after receipt by him the employer may sell the same by Public Auction and shall give credit to the contractor for the amount so realized. Any expenses or losses incurred by the contractor for the amount so realized. Any expenses or losses incurred by the employer in getting the amount payable to the contractor by way of selling his tools and plants or due on account of work carried out by the contractor prior to engaging other contractors or against the Security Deposit.

#### **4.1 DRAWINGS AND SPECIFICATIONS**

The works shall be carried out to the entire satisfaction of the EMPLOYER and the Architect, in accordance with the signed drawings and specifications and such further drawings and details as may be provided by the Architect, and in accordance with such written instructions, directions and explanations as may from time to time be given by the Architect, whose decision as to the sufficiency and quality of the work and materials shall be final and binding upon all parties. If the work shown on any such further drawings or work that may be necessary to comply with any such instructions directions or explanations, be in the opinion of the contractor extraction that comprised in or reasonably to be inferred from the contract he shall before proceedings with such work, give notice in writing to this effect to Architect, and in the event of the Architects/employer agree to the same in writing the contractor shall be entitled to an allowance in respect of such extra work as on authorized extra. If the Architect and the contractor fail to agree as to whether or to there is an extra, then, if the Architect decided that the contractor is to carry out the said work, the contractor shall do so, and the question whether or not there is any extra, and it so the amount thereof, shall failing agreement, be settled by Arbitration as hereinafter provided, but such references shall in no way delay the fulfilment of this contract.

No drawings shall be taken as in itself on order for variation unless, in addition to the Architect's signature, it bears express words stating that is intended to be such an order or bears a remark '**VALID FOR EXECUTION**'. No claim for payment for extra work shall be allowed unless the said work shall have been executed under the provisions of clause 6 (Authorities notices, patent right and royalties) or by the Authorities of directions in drawing of the Architect as herein mentioned.

One complete set of the signed drawings and specification and scheduled of quantities shall be furnished by the Architect to the Contractor. The Architect shall furnish within such time, as he may consider reasonable, one copy of any additional drawing, which in his opinion, may be necessary for the execution of any part of work. Such copies shall be kept at the works, and the architect or his representatives shall, at all reasonable time have access to the same and shall be return to the Architect by the contractor before the issue of the Final certificate.

#### **4.2 INSPECTION OF DRAWINGS**

Before filling in the tender, the contractor will have to check up all drawings and schedule of quantities, and will have to get an immediate clarification from the Architect on any point that he feels is vague or uncertain. No claim of damages or compensation will be entertained on this account.

#### **4.3 EXECUTION OF WORK (PRICES TO INCLUDE)**

The whole of the work is described in the contract (including the schedule of Quantities, the specifications and all drawing pertaining there to) and as advised by Employer / Architect from time to time is to be carried out and completed in all its parts to the entire satisfaction of the Employer /Architect. Any minor details of the work which may not have been definitely referred to in this contract, but which are usual in practice and essential to the work, are deemed to be include in this contract.

Rates quoted in the Schedule shall be inclusive of all freights, royalties, duties as well as transportation, so as to execute the contract as per the rules and regulations of Local Bodies, State Government and Government of India.

The rates quoted in the tender should include all charges for:

**4.3.1** Labor, maintenance fixing, carrying, cleaning, making good, hauling, watering etc

**4.3.2** Plant, machinery, scaffolding, framework, English ladders, ropes, nails, spikes, tools, materials and workmanship protection from weather, shuttering, temporary supports, platform and maintenance of the same.

**4.3.3** Covering for the walling and other works during inclement weather or striking or whenever directed as necessary.

Meeting all obligations indicated in tender document.

#### **4.4 SITE SUPERVISION**

The contractor shall appoint at his own cost, competent and adequate number of qualified persons at site, for (1) joint measurements and preparations of bills, (2) for testing materials, (3) for other general supervision. Their appointment may be consulted with Employer / Architect. The site Engineers shall not be removed from the site without the written consent of the Employer / Architect.

#### **4.5 MATERIALS AND WORKMANSHIP**

The contractor under this contract binds himself to use first class materials. Quality of workmanship shall be of the highest order befitting the nature of the project. All work not up to the standard shall be summarily rejected and the Contractor will be required to dismantle the defective work and redo the work at his own cost and risk. The decision of the employer regarding the quality/standard of workmanship shall be final and binding on the contractor.

#### **4.6 DIMENSIONS**

Figures, dimensions, are in all case to be accepted preferences to scaled sizes. Large- scale details take precedence over small-scale drawings. In case of discrepancy, the contractor is to ask for a clarification before proceeding with the work. Accordingly if any work is executed without prior clarification it is liable to be rejected and shall not be paid for.

#### **4.7 PROGRAMME OF WORKS**

Contractor shall have to prepare and submit the BAR chart charges for Architect's approval immediately after issue of the work order and display the approved charts in the site office. He shall also make bar charts indicating individual items and during the progress of work he shall update the bar charts showing the proportionate progress of work every week.

He shall strictly adhere to the programme of works as per BAR charts showing the proportionate progress of work.

#### **4.8 PROCUREMENT OF MATERIALS**

Contractor shall procure all factory made materials for the work from manufacturer or authorised dealers directly. Time is the essence of the contract. Acceptance of the completion date by the contractor shall mean that he has taken into consideration the availability of all material of approved make and quality in sufficient quantities at site to enable him to complete the entire work in the stipulated period.

The contractor will get sample of all materials approved by the Employer / Architect before placing order / purchase / procurement. They shall conform to I.S. codes and or tender specification as applicable.

For all materials the contractor shall quote for the best quality of the materials of approved make / source or supply and it will be got approved by Employer / Architect before procurement.

#### **4.9 UNFIXED MATERIALS**

When any materials intended for the works shall have been placed at site by the Contract, such material shall not be removed there from (except for the purposes of being used on the works) without the written authority of the Employer / Architect and when the contractor shall have received payment

in respect of any certificate in which the architect shall have stated that he has taken in to account to value of such unfixed materials on the works such material shall become the property of the Employer and the contractor shall be liable for any loss or damage to any such materials.

#### **4.10 CUSTODY AND SECURITY OF MATERIALS**

The contractors shall be responsible for the custody and security of all materials and equipment at site and he will provide full time watchman / watchmen to look after his materials, stores equipments etc.

#### **4.11 PRICES FOR EXTRAS ETC., ASCERTAINMENT OF**

Should it be found after the completion of the works from measurements taken (in accordance with the previous paragraph) that any of the quantities or amounts of the work thus ascertained are less or greater than the amounts specified for the works in the priced schedule of quantities and / or tender or that any variations, is made, the valuation of such quantities, amounts or variations, unless previously or otherwise agreed upon, shall be made accordance with the following rules:

**4.11.1** The net rates or prices in the original tender shall determine the valuation of the extra work, where extra work is of a similar character and executed under similar conditions the work priced therein.

**4.11.2** The net prices the original tender shall determine the value of the item omitted, provided if omissions vary the conditions under which any remaining items of work are carried out, the prices for the same shall be valued under thereof

**4.11.3** Where extra works are not of similar character and / or executed under similar conditions as aforesaid or where the omissions vary, the conditions under which any remaining items of work are carried out of it the amount of any omission or additions relative to the amount of the whole of the contract works or to be any part thereof shall be such that in the opinion of the Architects the net rate or price contained in the priced schedule of quantities or tender or for any item of work involves loss or expenses beyond that reasonably contemplated by the contractor or is by reason of such omission or addition rendered unreasonable or inapplicable, the Architect shall fix in consultation with the Employer such other rate or prices as in the circumstances he shall think reasonable and proper, which shall be final and binding on the contractor.

**4.11.4** Where extra work cannot be properly measured or valued, the contractor shall be allowed any work prices at the net rates stated in the tender or the priced schedule of quantities, or if not so stated, then in accordance with the local day work rates and wages for the district, provided that in either case vouchers specifying the daily time (and if required by the Architect, the workmen's name) and materials employed at or before the end of the week following that in which the work has been executed.

The measurements and valuations in respect of the extra items of contract shall be completed within the 'period of final measurement' or within three months of the completion of the contract works (Certificate of Virtual Completion).

#### **4.12 ARCHITECT'S DRAWINGS AND INSTRUCTIONS**

A set of major drawings along with the contract documents shall be provided to the contractor. For any clarifications or further drawings are required by the contract, during or before the start of construction work, the Contractor shall inform the Architects in writing to provide the same. Working details will be given to the contractor from time to time during the progress of work as and when required. In case of other drawing is required by the contractor he will give a minimum ten days notice to the Employer / Architect.



#### **4.13 FAILURE BY CONTRACTOR TO COMPLY WITH ARCHITECT/ EMPLOYER'S INSTRUCTIONS**

If the contractor after receipt of written notice from the architect requiring compliance with such further drawings and / or Architects instruction, fails within seven days to comply with the same, the Employer / Architect may employ and pay other persons to execute any such work whatsoever as may be necessary to give effect thereto and all cost incurred in connection there with shall be recoverable from the contractors by the Employer on a Certificate by the Architect as a debit or may be deducted by him from any money due or which become due to the Contractors.

#### **4.14 INFORMATION TO BE SUPPLIED BY THE CONTRACTOR**

The contractor shall furnish the Employer / Architect the following:

**4.14.1** Detailed industrial statistics regarding the labor employed by him etc.

**4.14.2** The Power of Attorney, name and signature of his authorized representative, who will be in charge for the execution of work.

**4.14.3** The list of technically qualified persons employed by him for the execution of this work.

**4.14.4** The total quantity and quality of materials used for the works.

**4.14.5** The list of plant and machinery employed for this work.

#### **4.15 ARCHITECT'S DELAY IN PROGRESS**

The Architect may delay the progress of the works in case of rains or otherwise, without vitiating the contract and grant such extension of time with the approval of the employer for the completion of the contract as he may think proper and sufficient in consequences of such delay, and the contractor, shall not make any claim for compensation or damage in relation thereto.

#### **4.16 DELAYED PAYMENTS**

No interest is payable if any amounts payable by the Employer to the contractor in pursuance of any Certificate given by the Architect hereunder shall, if not paid within the 'Period of honoring of Certificate'.

#### **4.17 FORCE MAJEURE**

Neither party shall be held responsible by the other for breach of any condition of this agreement attributable to any 'Act of God' Act of state, lockout of control or any other reason, beyond the control of the parties and any breach of clauses arising from much force majeure conditions as aforesaid shall not be regarded as a breach of the provision of this Agreement.

#### **4.18 INCOME TAX**

Income Tax shall be deducted at source by the employer from the contractor interim and final bill payments as per Statutory Regulations.

#### **4.19 SITE MEETINGS**

A senior representative of the contractor shall attend weekly meetings at works site and in addition meetings as and when arranged by employer / Architect to discuss the progress of the work and sort out problems, if any and ensure that the work is completed in the stipulated time.

#### **4.20 ACTION WHERE THERE IS NO SPECIFICATION**

In case of any class of work for which is there is no specification mentioned, the same will be carried out in accordance with the Indian Standards Specifications subject to the approval of the Employer / Architect.

**REPORTING OF ACCIDENT TO** The contractor shall be responsible for the safety of persons employed by him on the works and shall reports serious accidents to any of them whenever and wherever occurring on the works to employer who shall make every arrangement to render all possible assistance. This shall be without prejudice to the responsibility of the contractor under the Insurance Clause of the general conditions. Contractor shall take all precaution detailed in the safety code attached separately.

#### **4.21 TYPOGRAPHICAL/ CLERICAL ERRORS**

The Employer / Architect clarification regarding partially omitted particulars of typographical or Clericals errors shall be final and binding on the contractors.

#### **4.22 WORK PERFORMED AT CONTRACTOR'S RISK**

The contractor shall take all precautions necessary and shall be responsible for the safety of the work and shall maintain all lights, goods, signs, temporary passages or other protection necessary for the purpose. All works shall be done by the contractor's risk and if any loss or damage shall result from fire or from others cause, the contractor shall promptly repair or replace such loss or damage free from all expenses to the employer.

The contractor shall be responsible for any loss or damage to materials, tools or other articles used held for use in connection with the work. The work shall be carried on to completion without interferences with the operations of existing machinery or equipment, if any.

#### **4.23 SPECIAL CONDITIONS OF CONTRACT**

In the event of any discrepancy with clauses mentioned anywhere else in the tender with the clauses mentioned within special conditions of contract, the clauses mentioned within the special conditions of contract shall supersede those mentioned elsewhere.

The contractor shall engage necessary qualified person for 'supply and installation of office furniture along with other interior works' for full time supervision of site at his cost during the execution of the work for attending to day to day affairs. He shall keep record of daily work schedule and keep inform the progressto the Architect / Institute on daily basis till completion of project.

The Tenderer should have at least 03 years of experience of working with similar Nature of works ending 31.03.2021.

**SCHEDULE 5: TECHNICAL SPECIFICATIONS OF 'SUPPLY & INSTALLATION OF OFFICE FURNITURE ITEMS ALONG WITH OTHER INTERIOR WORKS'**

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**5.1 GENERAL**

- 5.1.1** Testing of materials / works shall be carried out as per latest 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.
- 5.1.2** 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 ARCHITECT 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.
- 5.1.3** 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.
- 5.1.4** 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.
- 5.1.5** Any scaffolding used shall be of double vertical supports and no portion of scaffolding shall touch the wall surface.
- 5.1.6** 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.
- 5.1.7** 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 to the employer.
- 5.1.8** Rates quoted for the items shall be valid for carrying out the item of work at any and/ or all floor heights.
- 5.1.9** Unconditionally, the institute reserves right, to delete and withdraw the complete execution up to Seven (07) items, across any of the listed bill of quantities (attached) at the time of finalizing the drawings. Also, there shall be a variation of +/-20% in Bill of Quantities among them which are attempted to execute. The firm shall consider the above aspect before participating in the tender and do not claim any right of executing and claiming the financial benefit at later stage. All payments are made as per drawings approved by institute and as executed and built as per specifications laid down for the purpose.

## 5.2 PLYWOOD

**5.2.1** Unless otherwise stated, only BWR / BWP grade plywood boards shall be used. Plywood shall comply with standards and specifications. Face veneers may be either commercial or decorative on both sides or one side commercial and the other decorative. Type of face veneer and grade of plywood boards shall be, as specified. CROSS GRAIN/ LONG GRAIN FLEXIPLY: - Shall have flexibility and high bending quality. It can be cold formed to curve surface requirements. Made of gurjan species, exclusively with phenolic resin and conditioned to undergo any sort of rigorous climatic changes such as alternate wetting and drying. Shall not require any external heat or water sprays which are the conventional for post forming.

**5.2.2** ELASTICITY: - Cross grain 200N/mm<sup>2</sup>

**5.2.3** DENSITY: - 0.75gm/cc

**5.2.4** BENDING RADIUS: -

6mm	10mm diameter
8mm	12mm diameter
12mm	30mm diameter

## 5.3 BLOCK BOARDS

All Block boards and formed boards shall be of specified thickness, uniform in colour texture, finish. They shall comply to IS code and shall bear IS marking.

They shall be pressed with exterior quality phenol formaldehyde resin in hot press. Unless otherwise stated grade I (Exterior grade) block board shall be used for construction. Face veneers shall be commercial on both faces.

## 5.4 MDF BOARDS

**5.4.1** MDF of exterior grade with no VOC content shall be used. All MDF board where specified shall be Phenol Formaldehyde bonded and generally conform to IS code and shall bear IS marking.

**5.4.2** MDF Boards shall not be used in wet areas such as toilets, bathrooms etc. and location subject to direct water. At every joint of the cladding an expansion gap of 3mm to 6mm should be provided.

## 5.5 PRE-LAMINATED BOARDS

Pre-laminated boards / high / medium density Fiber boards shall be shall be Phenol Formaldehyde bonded and conforming to IS and shall be with exterior quality adhesive only. Thickness shall be as specified.

## 5.6 DECORATIVE TIMBER VENEER PLY

**5.6.1** 3.5 - 4.0mm thick straight grained matching approved veneers shall be used. The veneer shall be resin bonded & suitable for the intended use the decorative veneer should have attractive appearance due to figure, color, grain, luster etc. The decorative veneer surface shall be selected for figure, texture, color and grain characteristics. All the veneer shall be from one lot and shall be group matched so as to be similar in grain and characters. Architect's prior approval of the lots is to be obtained before the same is procured. The grains/flowers shall be strictly placed either horizontally or vertically or diagonally and matched as per instructions of the Owner. 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, color and grain as required to form a group to give an overall 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. For majority of veneers the contractor shall arrange for selection of finishing material from bulk stocks of the supplier. A joint visit shall be arranged by the contractor along with Architect/Employer for the selection process. This shall have no bearing on the cost to the employer.

**5.6.2** Fleece Backed decorative veneer ply shall be min 0.5 mm veneer mounted Polyester Fleece back in lieu of plywood backing.

## **5.7 LAMINATE SHEETS**

Laminate shall be of the brand, catalogue surface finish, colour as specified and approved by the Architect. All laminates shall be in finish as per design intent unless mentioned otherwise. Laminates shall comply with standards and specifications.

5.8 Gypsum board as manufactured by India Gypsum Ltd. Or Saint Gobain and shall confirm to CBRI certification. Board shall be moisture resistant, light weight, strong, durable dimensionally stable, smooth surface finished such that ready to receive directly painting, wall papering etc.

5.9 All fittings and fixtures shall be as specified in Schedule of Items or on drawing by Architect. Approved makes only shall be used for respective items. Fittings shall be guaranteed by the manufacturer for its performance.

5.10 Adhesives and glue shall be as per IS for exterior quality and water repellent.

5.11 Fabric shall be of approved make and shade and fixed with approved adhesive as specified by Architect. Wall fabric shall achieve Class 1 surface spread of flame.

## **5.12 FASTENERS**

All fixing anchor, bolts, screws, nuts, washers or other miscellaneous anchoring / fixing devices shall be of non-magnetic stainless steel and approved by Architect and shall provide adequate strength.

## **5.13 HIGH PRESSURE LAMINATE (HPL) / COMPACT LAMINATE PANELS**

Compact Laminate shall be 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, to achieve the cubicle dimensions joint-less partitions.

The cubicle system will be equipped with heat and bacteria resistance. The modular cubicle shall possess 100% resistant properties towards: Water, chemical, impact.

Following criteria shall be involved in selection of compact laminate

**5.13.1** No solvent are used in production.

**5.13.2** No heavy materials are used.

**5.13.3** The energy requirements during curing are extremely low.

**5.13.4** The durability of the product ensures the performance of the composite throughout its entire life cycle.

5.14 The contractor shall submit for approval of the following:

**5.14.1** Literature / Catalogue of product to be used.

**5.14.2** Test certificates from independent laboratories conforming that product meets standards specified.

**5.14.3** Manufacturers certification that product meets / exceeds specification for the project.

**5.14.4** Include data for wood preservative treatment and chemical treatment from manufacturer and certification by treating plant that treated materials comply with requirement.

**5.14.5** Literature describing each fabric wall covering product and its suitability for the surface intended shall be submitted. List materials composition of fabric materials including backing.

**5.14.6** Samples: 3 nos each of:

5.14.6.1 Timber piece - 300x100x60 mm

5.14.6.2 Veneers - 300x300mm

5.14.6.3 Laminates - 300x300 with shade samples

5.14.6.4 Prelaminated board of exterior quality - 300 X 300 mm

5.14.6.5 MDF Board of exterior quality - 300 x 300mm

5.14.6.6 Samples with polish / paint finish as specified.

5.14.6.7 Fittings and fixtures samples

5.14.6.8 Gypsum board of size 300 x 300mm.

5.14.6.9 GI channels, runners, studs about 300mm long 600 x 600mm samples for each type of fabric wall covering

## **5.15 SHOP DRAWINGS**

**5.15.1** The contractor shall prepare detail drawing for site measurement. Drawings shall indicate each material, its installation, fixing details, finishing, etc. all in plan, elevation, section and typical details and will have to get the same approved from the Architect before execution of work.

**5.15.2** Shop drawings should be submitted showing the location of each item, dimensioned plans and elevations, large-scale details, attachment devices and other components.

5.15.2.1 Show details in full size.

5.15.2.2 Show locations and sizes of furring, blocking and hanging strips, including concealed blocking and reinforcement specified in other sections.

5.15.2.3 Show locations and sizes of cutouts and holes for cabling fixtures plumbing fixtures, faucets and other items installed in Architectural woodwork.

## **5.16 MOCK-UPS**

Before fabricating and installing interior Architectural work, mock-ups should be built for each form of construction and finish required to verify selections made under sample submitted and to demonstrate aesthetic effects and qualities of materials and execution. Build comply with the following requirements, using materials indicated for the completed work:

**5.16.1** Mock-ups should be built in the location and size indicated or, if not indicated, as directed by Architect

**5.16.2** Notify Architect seven days in advance of dates and times when mock-ups will be fabricated and installed.

**5.16.3** Mock ups should demonstrate the proposed range of aesthetic effects and workmanship.

**5.16.4** Approval of Architect for the mock-ups must be obtained before starting interior architectural work fabrication

**5.16.5** Mock-ups should be maintained during construction in undisturbed conditions as a standard for judging the completed work.

**5.16.6** Demolish and remove mock-ups when directed.

**5.16.7** Approved mock-ups may become part of the completed work if undisturbed at time of substantial completion.

## **5.17 FABRICATION & INSTALLATIONS**

- 5.17.1** Fabrication shall be plumb, straight and level. Surfaces shall be milled plane and finished smooth. For jointing prepare clean cutout and house / joined in best manner using approved adhesive and concealed pins/screws. Mitre joints shall be preferred but basically shall be as shown in shop drawing and approved by Architect. Joints shall be fitted with due accuracy and hairline tight.
- 5.17.2** Work to be installed and fitted in contact of adjoining concrete / masonry shall be fabricated with due allowance for site adjustments but within acceptable tolerances.
- 5.17.3** Fabrication and assembly shall be completed as far as possible in work shop. Prepared items shall be marked prior to shifting for perfect level, align and fixat site.
- 5.17.4** All exposed veneers work in solid timber and veneers shall be within approvable range of samples approved. Special care shall be taken to ensure that the width of veneers in all related fabrication shall be identical and shall have and even number of veneers of equal near equal widths except where a single veneer is sufficient.
- 5.17.5** Counter tops, counter fronts, shelves, cabinets, dividers, drawers, shall be constructed with specific core and shall be finished as specified in drawing or Schedule of Items or as approved by the Architect at site.
- 5.17.6** Prior to start of any fabrication actual site measurements shall be taken and detail shop drawing corrected accordingly with approval of the Architect.
- 5.17.7** All work shall be finished free from runs, sags or other visual defects, wood shall be thoroughly smoothed and sanded to remove all traces of machines and tool marks. Surface preparation shall be as per IS code of practice or ready to receive specified finish.
- 5.17.8** Supervision and workmen employed shall be experienced in field of carpentry works and shall be able to guarantee workmanship and finish of standards as established and approved by the Architect.
- 5.17.9** Items specified from specific manufacturer with code no. And of approved manufacturer shall be with quality assurance certificate from manufacturer.
- 5.17.10** The installation should be done by an experienced installer who has completed architectural woodwork (Furniture) similar in material, design and extent to that indicated for this project and whose work has resulted in construction with a record of successful in service performance.
- 5.17.11** Fabricator should be experienced in producing architectural woodwork similar to that indicated for this project and with a record of successful in service performance, as well as sufficient production capacity to produce required units.

## **5.18 FITTINGS AND FIXTURES**

- 5.18.1** All fittings and fixtures shall be detailed in shop drawings, conforming to specification and shall be fixed as per manufacturer's instructions.
- 5.18.2** Fittings and fixtures shall make assembly sturdy and securely placed.



**5.18.3** Where finishes are to be done on installation remove fixtures and allow painter / polisher to work and on completion refix them.

## **5.19 PRODUCT HANDLING AND STORAGES**

**5.19.1** All materials and work shall be protected from damage until final acceptance of work. Cover, ventilate and protect from damage caused by weather, moisture, heat, staining, dirt, abrasions and other causes which may adversely affect appearance or use, or which may cause deterioration of finish warpage, distortion, twisting, opening of joints and seams, delamination, loosening etc of woodwork.

**5.19.2** Do not deliver woodwork, until painting, wet work, grinding and similar operations which could damage, soil or deteriorate woodwork have been completed in installation areas.

**5.19.3** Damaged or defective items of work in this section are subject to rejection and replacement with new items by contractor at no cost to the Employer.

**5.19.4** All materials shall be carefully stored at all times and fully protected from external conditions or contamination.

**5.19.5** Wood particle boards shall be stored in packs on a level flat surface in a clean, dry and covering surface with free circulation of air. The edges of boards in a pack shall be in a straight vertical plane.

## **5.20 FINISHING**

**5.20.1** All completed works shall be delivered fully finished in neat and clean condition without any stains, marks, defects, etc. and shall meet with the approval of the Architect. Unless otherwise stipulated all work shall include priming and protective treatments and finishing as required

**5.20.2** During the course of work regularly all debris swash excess material shall be cleared and removed from site. On completion clean all places / spaces thoroughly.

**5.20.3** Wood work shall be protected from defacement, marring till final completion and hand it over to the Employer.

**5.20.4** Repair and replace all defective work prior to final inspection.

**5.20.5** Prior to final inspection by the Architect / Employer the contractor to check to ensure proper operations, finish and surroundings.

**5.20.6** The approval of work do not relieve the contractor of his liability to maintain to defects liability period at contractor's cost. Before fabric wall covering is started in any area, it shall be broom cleaned and excessive dust shall be removed. After wall covering operations begin in a given area, broom cleaning will not be allowed. Cleaning shall then be done only with commercial vacuum cleaning equipment.

**5.20.7** The Contractor shall be responsible for protecting all the mirrors & glasses fixed by him till handing over of mirrors & glasses forming part of this contract. The contractor shall replace at his own expense any broken or damaged mirrors glasses caused through lack of adequate protection or care in installation or handling. All installed materials shall be left in perfect condition to the satisfaction of Architect/ Owner.

**5.20.8** Upon completion of work, the contractor shall remove all adhesive from the floors, glass and other surfaces. Remove from the premises all rubbish and accumulated materials of whatever nature, not caused by others, and leave this part of the work in clean, orderly and acceptable conditions.

**5.20.9** All paints / polish shall have VOC within limit as specified in Tender Documents as per Green Building requirements. Paints used in the works shall conform to the respective IS or equivalent, other international standard (if specially specified) and code of practices. These shall be the latest revised.

### **5.21 INSTALLATION BRACKETS**

Brackets shall be of atomized steel powder coated to give superior finish. Bracket shall accommodate overhead, side or face mounting with clutch assembly on either end of roller.

### **5.22 BOTTOM WEIGHT**

Bottom of the blind shall be provided with Aluminum tube powder coated in a color matching to the fabric. The fabric shall be enclosed in the suitably created pocket along with the tube. The tube shall be closed from sides with end caps to give a neat look.

### **5.23 FURNITURE**

**5.23.1** 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, painting section etc. The Contractor carrying out this work shall be responsible for providing all labour, plant, tools, materials and everything necessary for the proper execution, completion and maintenance of these works. All furniture shall be of contract quality and suitable for commercial use.

#### **5.23.2 DIMENSIONS**

All wood sections are approximate and are given for reference to prepare the sample. The size of sections is likely to vary 15%. 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.

**5.23.3** 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.

#### **5.23.4 METAL FURNITURE**

5.23.4.1 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.

5.23.4.2 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.

5.23.4.3 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.

#### **5.23.5 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.

#### **5.23.6 HARDWARE**

Hinges, locks, latches, door handles, nails, etc., shall be as specified or as approved substitute equal or be better than the specified. For fixing drawer slides (runner slides), auto closing hinges etc. hole pattern as recommended by the manufacturer. Cup holes shall be punched very accurately mechanically only using a drill bit, drilling template. Drilling positions shall be to suit the kind of hardware used. Marking of drill holes shall be corresponding to hinge type.

#### **5.23.7 JOINTS & ADHESIVE**

All joints shall be standard mortise and tennon dowel, dovetail, cross halved, tongued & grooved or rebated. Nailed butt joints will not be permitted. Where mortise & tennon 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.

#### **5.23.8 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 rearms must be double safety shifted with quality matching threads.

#### **5.23.9 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 Owner) and on 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. 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 Owner.

**ABSTRACT TO GENERAL CONDITIONS OF CONTRACT**

1	Earnest Money Deposit	The Bidder shall furnish an EMD for Rs. 4,00,000/- (Rupees Four Lakh only). The EMD amount shall be directly credited to NIT ANDHRA PRADESH current account [Account Name – NIT ANDHRA PRADESH, A/c No. 35579546371, IFSC – SBIN0016305 and Bank Name- State Bank of India as per the details mentioned in the tender. Counterfoil/ receipt/transaction detail for the same has to be enclosed with the tender. The Tender without EMD shall be rejected out rightly. No interest is allowed on the EMD.
2	Date of Commencement	One week from the date of issue of work-order to the contractor
3	Period of Completion	3 months from the date of commencement
4	Defects Liability Period	12 months from the date of virtual completion
5	Agreed Liquidated Damages	0.25% of contract value for each week of delay subject to maximum of 5% of the contract value (without extra items)
6	Period of Final Measurement	30 days
7	Value of work for the issue of Interim Certificate	Minimum Rs. 50 lakh
8	Retention money from each interim bill	5%.
9	Total retention money including earnest money and initial security deposit	5% of the Contract Value
10	Architect's certificate of payment	15 days after submission of interim bills by the Contractor.
11	Period of honoring payment certificate	21 working days from date of Architect's certificate of payment for interim bills and 45 working days for final certificate.

### **DECLARATION**

I/We have inspected the site of works and have made me / us fully acquainted with the local conditions in and around the sites of works. I/We hereby declare that I/We have gone through the conditions laid down in the Notice Inviting Tender, Conditions of Contract, Technical Specifications and understood the same and on the basis of the same I/We quoted our rates in the Schedule of Quantities attached with the tender documents.

I/We shall also uniformly maintain such progress as may be directed by the Employer / Architect to ensure completion of same within the target date as mentioned in the tender document.

**Signature of Tender**

Address:

Date:

**SCHEDULE 7: APPROVED MAKES/BRANDS**

<b>Sl. No.</b>	<b>Item</b>	<b>Approved Make</b>
1	Director/CGM Table	Godrej/ Wipro/ Durian/ Featherlite/ Ikea or equalent
2	Mini Conference room table -8 seater	-do-
3	GM MAIN DESK/TABLE	-do-
4	DGM MAIN DESK/TABLE	-do-
5	PSO/ Security officer table	-do-
6	Back unit for Director/ CGM	-do-
7	Chair for Director/ CGM- Very high back	-do-
8	Visitor chairs for Director/ CGM and MiniConference Room Main chairs	-do-
9	GM High back chair	-do-
10	Visitor chair for GM/DGM/AGM	-do-
11	DGM/AGM/PSO/Security officer High backchair	-do-
12	Manager/AM and visitor chairs	-do-
13	Conference Hall High Back chair	-do-
14	Conference room - first row chair	-do-
15	Conference room - second row chair	-do-
16	AGM workstations with partition on visitorside & back	-do-
17	AGM workstations without back partition	-do-
18	Manager workstation	-do-
19	Sofa set - 2 seater	-do-
20	Sofa set - 3 seater	-do-
21	Visitor area- 3 seater sofa	-do-
22	Visitor area- 2 seater sofa	-do-
23	Dining table - 6- seater	-do-
24	Table- conference room	-do-
25	Dining table- officers' lounge	-do-
26	Cafeteria table	-do-
27	Dining chair- Director/ CGM	-do-
28	Dining chair	-do-
29	Center Table	-do-
30	Corner table	-do-
31	Wall Storage Unit	-do-
32	Personal Locker Unit	-do-
33	Swing door storage	-do-
34	Wall side storage unit	-do-

<b>Furniture items in Tender document</b>
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S. No.	Description	Unit	Qty	Rate (Rs. In figures and words)	Amount
1.	<p><b>Conference Room table:</b> Fabricated at site Conference System U shaped, open ended 48 seating in size of 1350x600x740 for two seats and 675x600x740 for one seat capacity with Table Top made of 25mm thick MDF with waterfall top edge finished in pvc membrane using unique wrap around for better aesthetics &amp; long lasting use.</p> <p>Understructure - Legs are made of 25mm thick standard black matt colour post formed panels connected with 18mm thick std black prelaminated modesty panels. Wire management - concealed wire management to take care both horizontally &amp; vertically. For open configurations, wire channel is mounted on the inner side of modesty panel for horizontal wire carrying. Vertical wire management is through flexible wire manager. Std table top height is 740mm, pvc membrane tops are seamless surface, post formed legs for safe use.</p> <p><b>Basic rate including applicable taxes =Rs. 7,22,200.00 +/-</b></p> <p><b>Detailed specifications and drawings enclosed in Annexure B</b></p>	No.	1		
2.	<p><b>Dean/ Registrar DESK/TABLE:</b> Supply and installation of table- 2400 mm X 900 mm X 740 mm, Side Return Unit 1200 X 450 X 740 + Pedestal Drawer Unit + Metal Keyboard Tray 19" with Mouse Pad and Metal CPU Trolley</p> <p>main table of size 2400x900x740mm completely made up of particle board conforming to IS : 12823 Interior Grade with post formed finish. Top are with 25mm thk boards with post formation on 2 sides and 2mm PVC edge banding with enhanced scratch resistance supported on 25mm thk. Gable ends and 18mm thk Modesty panels. exposed edges are in 2mm thk PVC edge banding &amp; sealed edges are in 0.8mm thk PVC edge banding. Separate provision for mounting switches on the wall adjoining the tables shall be made by customer as the tables do not come with switch mounting facility. Wire routing / wire management gromets (Patented Squeezee) shall be provided on main or side table as specified by customer. Key board Tray Metal 19" with mouse pad + Metal CPU Trolley</p> <p>SIDE RETURN UNIT:- 1200(w) x 425(D) x</p>	No.	8		



	<p>740(H) : completely made up of particle board conforming to IS : 12823 Interior Grade with PVC edge banding. Top is in 25mm thk baord with 2mm post formation on 2 sides and 2mm PVC edge banding supported on 25mm thk. Gable ends and 18mm thk. Modesty panel. Exposed edges are in 2mm thk PVC edge banding &amp; sealed edges are in 0.8mm thk PVC edge banding. Separate provision for mounting switches on the wall adjoining the tables shall be made by customer as the tables do not come with switch mounting facility.</p> <p><b>PEDESTAL DRAWER UNIT:-</b> The Pedestal Unit of Dimensions 400W x 470D x 675mmH is made of 18mm thick pre laminated partical Board conforming to IS : 12823 Interior Grade. All the exposed edges are sealed with 2mm thick PVC Imported edge banding on sides and bottom. The top and drawer facia are sealed with 2mm thick PVC edge. The drawer unit consists of 2 box drawer and 1 file drawer. The sides of Inside drawer box are of prelam particle board. The drawer box is fitted with roller Slide for freemovement. The drawer unit is provided with central locking system, where in the three drawer are locked with one key.PVC recessed handles are provided for easy opening and closing of drawer. The drawer unit is fitted on castors (optional) for easy mobility.</p> <p>PVC edge banding are imported from Rehau or Dolken of Germany. The complete furniture unit is factory assembled with knock down fittings. The pedestal is fitted with additional (5th) castor to avoid topplig of pedestal in case of opening of any / all of the 3drawers.</p> <p><b>Basic rate including applicable taxes =Rs. 77,500.00 +/-</b></p> <p><b>Approved model: Kingsley Supreme (Wipro) / Impress Main Desk with ERU (Godrej) OR similar models of other approved makes</b></p>				
3.	<p><b>Associate Dean/ DR DESK/TABLE:</b> Supply and installation of table- TABLE 1800mm X 900mm X 740mm, Side Return Unit 1050 X 450 X 740 + Pedestal Drawer Unit + Metal Keyboard Tray 19" with Mouse Pad and Metal CPU Trolley</p> <p>main table of size 1800x900x740mm completely made up of particle board conforming to IS : 12823 Interior Grade with post formed finish. Top are with 25mm thk boards with post formation on 2 sides and 2mm PVC edge banding with enhanced scratch resistance supported on 25mm thk. Gable ends and 18mm thk Modesty panels. exposed edges are in 2mm thk PVC edge banding &amp; sealed edges are in 0.8mm thk PVC edge banding. Separate provision for</p>	No.	15		

	<p>mounting switches on the wall adjoining the tables shall be made by customer as the tables do not come with switch mounting facility. Wire routing / wire management gromets (Patented Squeezee) shall be provided on main or side table as specified by customer. Key board Tray Metal 19" with mouse pad + Metal CPU Trolley</p> <p>SIDE RETURN UNIT:- 1050(w) x 425(D) x 740(H) : completely made up of particle board conforming to IS : 12823 Interior Grade with PVC edge banding. Top is in 25mm thk baord with 2mm post formation on 2 sides and 2mm PVC edge banding supported on 25mm thk. Gable ends and 18mm thk. Modesty panel. Exposed edges are in 2mm thk PVC edge banding &amp; sealed edges are in 0.8mm thk PVC edge banding. Separate provision for mounting switches on the wall adjoining the tables shall be made by customer as the tables do not come with switch mounting facility.</p> <p>PEDESTAL DRAWER UNIT:- The Pedestal Unit of Dimensions 400W x 470D x 675mmH is made of 18mm thick pre laminated partical Board conforming to IS : 12823 Interior Grade. All the exposed edges are sealed with 2mm thick PVC Imported edge banding on sides and bottom. The top and drawer facia are sealed with 2mm thick PVC edge. The drawer unit consists of 2 box drawer and 1 file drawer. The sides of Inside drawer box are of prelam particle board. The drawer box is fitted with roller Slide for freemovement. The drawer unit is provided with central locking system, where in the three drawer are locked with one key.PVC recessed handles are provided for easy opening and closing of drawer. The drawer unit is fitted on castors (optional) for easy mobility.</p> <p>PVC edge banding are imported from Rehau or Dolken of Germany. The complete furniture unit is factory assembled with knock down fittings. The pedestal is fitted with additional (5th) castor to avoid topplig of pedestal in case of opening of any / all of the 3drawers.</p> <p><b>Basic rate including applicable taxes =Rs. 69,000.00 +/-</b></p> <p><b>Approved model: Kingsley Supreme (Wipro) / Impress Main Desk with ERU (Godrej) OR similar models of other approved makes</b></p>				
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4.	<p><b>Officer table:</b> Supply &amp; installation of table without CPU Hanger size shall be 1500 Width mm x 750 Depth mm x 740 Height mm. Table top shall be made of 25mm thick prelam particle board with 2mm thick edge banding. Modesty panel also to be made out of prelam board. Leg shall be made of MS powder coat ( epoxy polyster).The plastic cap for cable travel shall be injection moulded polypropylene and leveler glide. The storage shall be having shell and drawer tray 0.6 mm thick CRCA Finish powder coat (epoxy polyster) plus the drawer front shall be 0.8 mm thick CRCA Finish powder coat (epoxy polyster) plus lock with 10 lever and handle and leveller. The wire management shall be horizontal wire carrier with CRCA Finish powder coat (epoxy polyster) and vertical wire carrier 0.8 mm thick CRCA Finish powder coat (epoxy polyster) .</p> <p><b>Basic rate including applicable taxes =Rs. 25,400.00 +/-</b></p> <p><b>Approved model: X-desk (Wipro) / Enterprise table (Godrej) OR similar models of other approved makes</b></p>	No.	35		
5.	<p><b>Back unit for Director:</b> Supply &amp; installation of Back unit made out of 19 mm board with ply / veneer / pre finish MDF of approved make as directed by the Architect. The size of the Back unit shall be 1000 mm width x 480 mm Depth x 2035 mm height. The shop drawing of the same will have to be got approved from the Architect before execution.</p> <p><b>Basic rate including applicable taxes =Rs. 48,000.00 +/-</b></p> <p><b>Approved model: Back unit (Wipro)/ Arrive Back Unit (Godrej) OR similar models of other approved makes</b></p>	No.	1		
6.	<p><b>Chair for Director- Very high back:</b> Supply &amp; installation of chair where seat shall be made up of 1.2 +/- 0.1 cm thick hot pressed plywood &amp; upholstered with pure leather and moulded polyurethane foam. The back shall be designed with contoured lumber support for extra comfort. Size of back shall be W-55cm, H-86cm &amp; size of seat shall be W-51cm x D-49cm. High Resilience (HR) foam should be used in making seat &amp; back which shall be moulded. The armrests made of black integral skin polyurethane with 40-55 Shore Hardness and reinforced with 2mm thick M.S. insert. Arm pad size 248mm (L) x 92mm (W). The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 6mm thick. HR steel. Arm rest to be provided 2D with height adjustable up to 70mm-80mm. FOUR POINT SYNCHRO MECHANISM : Mechanism with two lever</p>	No.	4		

	<p>control for lock and seat height adjustment. Mechanism made out of MS Plate thickness is 3mm and seat is tilting angle is 0°~6°. and back tilting angle is 89°~109°. Also it has the back tension adjustment knob. Mechanism tested for 3, 00,000 Cycles as per ANSI / BIFMA X5.1. The pedestal shall be made of die-cast aluminium with buffing finish. it shall be fitted with 5 nos PU twin wheel castor. The base is 650mm pitch circle diameter. The base tested for static load of 1134Kg as per ANSI / BIFMA X 5.1. Overall dimensions of Chair shall be, Width of Chair - 77cm, Depth of Chair - 77 cm as measured from pedestal below. Height of back from ground - min 120.0 to max 135.0 cms. Seat height - min 48cm to max 58. cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p> <p><b>Basic rate including applicable taxes =Rs. 58,500.00 +/-</b></p> <p><b>Approved Model: Define Leather (Wipro)/ Halo- VHB (Godrej) OR similar models of other approved makes</b></p>				
7.	<p><b>Visitor chairs for Director and Mini Conferene Room Main chairs:</b> Supply &amp; installation of revolving high back chair where seat shall be made up of 1.2 +/- 0.1 cm thick hot pressed plywood &amp; upholstered with pure leather and moulded polyurethane foam. The back shall be designed with contoured lumber support for extra comfort. Size of back shall be W-55cm, H-86cm &amp; size of seat shall be W-51cm x D-49cm. High Resilience (HR) foam should be used in making seat &amp; back which shall be moulded.</p> <p>The armrests made of black integral skin polyurethane with 40-55 Shore Hardness and reinforced with 2mm thick M.S. insert. Arm pad size 248mm (L) x 92mm (W). The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 6mm thick. HR steel. Arm rest to be provided in 1D with height adjustable up to 70mm- 80mm. SINGLE POINT SYNCHRO MECHANISM : Mechanism with one lever control for lock and seat height adjustment. Mechanism made out of MS Plate thickness is 3mm and seat is tilting angle is 0°~6°. and back tilting angle is 89°~109°. Also it has the back tension adjustment knob. Mechanism tested for 3, 00,000 Cycles as per ANSI / BIFMA X5.1. The pedestal shall be made of die-cast aluminium with buffing finish. it shall be fitted with 5 nos PU twin wheel castor. The base is 650mm pitch circle diameter. The base tested for static load of 1134Kg as per ANSI / BIFMA X 5.1. Overall dimensions of Chair shall be, Width of Chair - 77cm, Depth of Chair - 77 cm as measured from pedestal</p>	No.	32		

	<p>below. Height of back from ground - min 120.0 to max 135.0 cms. Seat height - min 48cm to max 58. cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p> <p><b>Basic rate including applicable taxes =Rs. 34,000.00 +/-</b></p> <p><b>Approved Model: Define Leather (Wipro)/ La sede high back chair (Godrej) OR similar models of other approved makes</b></p>				
8.	<p><b>Deans/Registrar High back chair:</b> Supply &amp; installation of high back chair .All Dim in MM with open tolerance of +/- 10mm and ANSI / BIFMA/X5.1 compliant chair,  Back is made up of 1.2mm thick (7 layers) hot pressed and moulded back foam upholstered with leatherette. The Back ply and foam is designed with contoured lumber support for achieving comfortable seating posture. High back rest size is 750- 790mm(H) x 500mm - 520mm(W). Backrest tested for 1,20,000 cycles to be completed with a load of 44.5 kg as per ANSI/BIFMA X5.1  Seat is made up of 1.2mm +/- thick (7 layers) hot pressed plywood upholstered with leatherette on moulded foam .Seat size 490mm (W) x 500-515mm (D). the seat tested for 1,00,000 cycles to be completed with 57 kg impact force on the seat as per ANSI/BIFMA X5.1. Density of moulded polyurethane foam is 50-50 kg/m<sup>3</sup>.  HR Moulded PU foam should be used in making seat &amp; back which shall be moulded with density of 45-60 kg/m<sup>3</sup> and hardness load if 15-20 kgf. The 1D Armrest are designed made up of black integral skin polyurethane with 40-50 shore hardness and reinforced with 2mm thick M.S. insert. Armrest is tested for 60,000 cycles.  Mechanism should have following features: 360 degree revolving, Single point control, Tilt tension adjustment, 1 position locking, seat back tilt ratio 1:2 or 1:3. It is tested for 3,00,000 cycles as per ANSI/BIFMA X5.1.  Gas lift pipe diameter 50mm and has an Height adjustment stock of 120mm. Gas lift tested for 1,00,000 cycles. Nylon Base is 640-650mm pitch circle diameter fitted with 5 nos tween nylon castors.</p> <p><b>Basic rate including applicable taxes =Rs. 25,000.00 +/-</b></p> <p><b>Approved Model: Smart HB leatherette/ alum base/ 2d (Wipro)/ Kareena High Back(Godrej) OR similar models of other approved makes</b></p>	No.	8		
9.	<p><b>Visitor chair for Dean/Registrar/AD/DR/AR:</b> Supply &amp; installation of medium back is made up of 1.2mm thick (7 layers) hot pressed and moulded back foam upholstered with</p>	No.	240		

	<p>leatherette. The Back ply and foam is designed with contoured lumber support for achieving comfortable seating posture. Medium back rest size is 620(H) x 500mm - 520mm(W). Backrest tested for 1,20,000 cycles to be completed with a load of 44.5 kg as per ANSI/BIFMA X5.1. Seat is made up of 1.2mm +/- thick (7 layers) hot pressed plywood upholstered with leatherette on moulded foam. Seat size 490mm (W) x 500- 515mm (D). the seat tested for 1,00,000 cycles to be completed with 57 kg impact force on the seat as per ANSI/BIFMA X5.1. Density of moulded polyurethane foam is 50-50 kg/m<sup>3</sup>. HR Moulded PU foam should be used in making seat &amp; back which shall be moulded with density of 45-60 kg/m<sup>3</sup> and hardness load of 15-20 kgf. The fixed Armrest are designed made up of black integral skin polyurethane with 40-50 shore hardness and reinforced with 2mm thick M.S. insert. Armrest is tested for 60,000 cycles. Mechanism should have following features: 360 degree revolving, Single point control, Tilt tension adjustment, 1 position locking, seat back tilt ratio 1:2 or 1:3. It is tested for 3,00,000 cycles as per ANSI/BIFMA X5.1. Gas lift pipe diameter 50mm and has an Height adjustment stroke of 120mm. Gas lift tested for 1,00,000 cycles. Nylon Base is 640-650mm pitch circle diameter fitted with 5 nos twin nylon castors. <b>Basic rate including applicable taxes =Rs. 8,700.00 +/-</b>  <b>Approved Model: Smart MB/ Nylon base/s1/1d (Wipro) OR similar models of other approved makes</b></p>				
10.	<p><b>Associate Dean/ DR/ AR High back chair:</b> Supply and installation of high back chair. All Dim in MM with open tolerance of +/- 10mm and ANSI / BIFMA/X5.1 compliant chair, Back is made up of 1.2mm thick (7 layers) hot pressed and moulded back foam upholstered with leatherette. The Back ply and foam is designed with contoured lumber support for achieving comfortable seating posture. High back rest size is 750- 790mm(H) x 500mm - 520mm(W). Backrest tested for 1,20,000 cycles to be completed with a load of 44.5 kg as per ANSI/BIFMA X5.1. Seat is made up of 1.2mm +/- thick (7 layers) hot pressed plywood upholstered with leather or leatherette on moulded foam. Seat size 490mm (W) x 500-515mm (D). the seat tested for 1,00,000 cycles to be completed with 57 kg impact force on the seat as per ANSI/BIFMA X5.1. Density of moulded polyurethane foam is 50-50 kg/m<sup>3</sup>. HR Moulded PU foam should be used in making seat &amp; back which shall be moulded</p>	No.	60		

	<p>with density of 45-60 kg/m<sup>3</sup> and hardness load if 15-20 kgf. The 1D Armrest are designed made up of black integral skin polyurethane with 40-50 shore hardness and reinforced with 2mm thick M.S. insert. Armrest is tested for 60,000 cycles.</p> <p>Mechanism should have following features: 360 degree revolving, Single point control, Tilt tension adjustment, 1 position locking, seat back tilt ratio 1:2 or 1:3. It is tested for 3,00,000 cycles as per ANSI/BIFMA X5.1.</p> <p>Gas lift pipe diameter 50mm and has an Height adjustment stock of 120mm. Gas lift tested for 1,00,000 cycles. Nylon Base is 640-650mm pitch circle diameter fitted with 5 nos tween nylon castors.</p> <p><b>Basic rate including applicable taxes =Rs. 10,200 .00 +/- ____% (percentage above or below basic rate to be filled by the Contractor and total amount to be indicated in the column of "Rate".</b></p> <p><b>Approved Model: Smart HB/Nylon/1d/s1 (Wipro)/ Kareena High Back(Godrej) OR similar models of other approved makes</b></p>				
11.	<p><b>Other visitor chairs:</b> Supply &amp; installation of medium back is made up of 1.2mm thick (7 layers) hot pressed and moulded back foam upholstered with fabric. The Back ply and foam is designed with contoured lumber support for achieving comfortable seating posture. Medium back rest size is 620(H) x 500mm -520mm(W). Backrest tested for 1,20,000 cycles to be completed with a load of 44.5 kg as per ANSI/BIFMA X5.1</p> <p>Seat is made up of 1.2mm +/- thick (7 layers) hot pressed plywood upholstered with fabric on moulded foam .Seat size 490mm (W) x 500-515mm (D). the seat tested for 1,00,000 cycles to be completed with 57 kg impact force on the seat as per ANSI/BIFMA X5.1.</p> <p>Density of moulded polyurethane foam is 50-50 kg/m<sup>3</sup>.</p> <p>HR Moulded PU foam should be used in making seat &amp; back which shall be moulded with density of 45-60 kg/m<sup>3</sup> and hardness load if 15-20 kgf. The fixed Armrest are designed made up of black integral skin polyurethane with 40-50 shore hardness and reinforced with 2mm thick M.S. insert. Armrest is tested for 60,000 cycles.</p> <p>Mechanism should have following features: 360 degree revolving, Single point control, Tilt tension adjustment, 1 position locking, seat back tilt ratio 1:2 or 1:3. It is tested for 3,00,000 cycles as per ANSI/BIFMA X5.1.</p> <p>Gas lift pipe diameter 50mm and has an Height adjustment stock of 120mm. Gas lift tested for 1,00,000 cycles. Nylon Base is 640-650mm pitch circle diameter fitted with</p>	No.	180		

	<p>5 nos tween nylon castors.  <b>Basic rate including applicable taxes =Rs. 5,850 .00 +/-</b>  <b>Approved Model: Kareena Mid Back (Godrej) OR similar models of otherapproved makes</b></p>				
12.	<p><b>Conference Hall High Back chair:</b> Supply &amp; installation of high back chair .All Dim in MM with open tolerance of +/- 10mm and ANSI / BIFMA/X5.1 compliant chair, Back is made up of 1.2mm thick (7 layers) hot pressed and moulded back foam upholstered with leather. The Back ply and foam is designed with contoured lumber support for achieveing comfortable seating posture. High back rest size is 750- 790mm(H) x 500mm - 520mm(W). Backrest tested for 1,20,000 cycles to be completedwith a oad of 44.5 kg as per ANSI/BIFMA X5.1  Seat is made up of 1.2mm +/- thick (7 layers) hot pressed plywood upholstered with leather on moulded foam .Seat size 490mm (W) x 500-515mm (D). the seat tested for 1,00,000 cycles to be completed with 57 kg impact force on the seat as per ANSI/BIFMA X5.1. Density of moulded polyurethene foam is 50-50 kg/m3.  HR Moulded PU foam should be used in making seat &amp; back which shall be moulded with density of 45-60 kg/m3 and hardness load if 15-20 kgf. The 1D Armrest are designed made up of black integral skin polyurethene with 40-50 shore hardness andreinforced with 2mm thick M.S. insert. Armrest is tested for 60,000 cycles.  Mechanism should have following features: 360 degree revolving, Single point control, Tilt tension adjustment, 1 position locking, seat back tilt ratio 1:2 or 1:3. It is tested for 3,00,000 cycles as per ANSI/BIFMA X5.1.  Gas lift pipe diameter 50mm and has an Height adjustment stock of 120mm. Gas lift tested for 1,00,000 cycles. Aluminium Base is 640-650mm pitch circle diameter fitted with 5 nos PU tween nylon castors.  <b>Basic rate including applicable taxes =Rs. 29,000 .00 +/- ____% (percentage above or below basic rate to be filled by the Contractor and total amount to be indicatedin the column of "Rate".</b>  <b>Approved Model: Define</b></p>	No.	10		



	<b>HB/leather/S1/1d (Wipro)/ Optima High Performance chair (Featherlite) OR similar models of other approved makes</b>				
13.	<p><b>Conference room - Chairs:</b> Supply &amp; installation of medium back chair .All Dimin MM with open tolerance of +/- 10mm and ANSI / BIFMA/X5.1 compliant chair, Back is made up of 1.2mm thick (7 layers) hot pressed and moulded back foam upholstered with leatherette. The Back ply and foam is designed with contoured lumber support for achieving comfortable seating posture. Medium back rest size is 620mm(H)x 500mm - 520mm(W). Backrest tested for 1,20,000 cycles to be completed with a load of 44.5 kg as per ANSI/BIFMA X5.1</p> <p>Seat is made up of 1.2mm +/- thick (7 layers) hot pressed plywood upholstered with leatherette on moulded foam .Seat size 490mm (W) x 500-515mm (D). the seat tested for 1,00,000 cycles to be completed with 57 kg impact force on the seat as per ANSI/BIFMA X5.1. Density of moulded polyurethane foam is 50-50 kg/m3.</p> <p>HR Moulded PU foam should be used in making seat &amp; back which shall be moulded with density of 45-60 kg/m3 and hardness load if 15-20 kgf. The 1D Armrest are designed made up of black integral skin polyurethane with 40-50 shore hardness and reinforced with 2mm thick M.S. insert. Armrest is tested for 60,000 cycles.</p> <p>Mechanism should have following features: 360 degree revolving, Single point control, Tilt tension adjustment, 1 position locking, seat back tilt ratio 1:2 or 1:3. It is tested for 3,00,000 cycles as per ANSI/BIFMA X5.1.</p> <p>Gas lift pipe diameter 50mm and has an Height adjustment stock of 120mm. Gas lift tested for 1,00,000 cycles. Aluminium Base is 640-650mm pitch circle diameter fitted with 5 nos PU tween nylon castors.</p> <p><b>Basic rate including applicable taxes =Rs. 15,700 .00 +/- ____% (percentage above or below basic rate to be filled by the Contractor and total amount to be indicated in the column of "Rate".</b></p> <p><b>Approved Model: Define MB/leatherette/alum base (Wipro)/ 37815/MB (Durian) OR similar models of other approved makes</b></p>	No.	<b>50</b>		
14.	<p><b>Workstation:</b> Supply &amp; installation of manager workstations as per layout size 1500x1500x600mm.</p> <p><b>PARTITION:</b> minimum 1200mm ± 10 mm height and minimum 60 mm ± 10 mm thick-two tile sliding base system. Table tops shall</p>	No.	<b>130</b>		

be made of 25mm thk Pre-laminated particle boards of suede finish conforming to IS : 12823 Interior Grade with 2 mm thick pvc edgebanding of matching shade to make it more resitant towards heat and moisture. A specially designed powder coated M.S. brackets shall be fixed to the partition frame to support the table tops. Gable ends shall be made of 25mm thk prelam particle board of suede finish with both side laminate (BSL) and connected to frame with help of metal powder coated brackets to support table top. Frames :- Partition thickness shall be of 60mm  $\pm$  10 mm for stability and with the inside gap between two tile is approximately 50mm  $\pm$  10 mm for higher wire carrying capacity.

Frame Horizontals shall be made of 1mm thick CRCA sheets & the verticals are made of Aluminium Extrusions of 1.5mm thick, All the frames will be duly powder coated upto 50-60 dft , which will be inline with the Top trims & end trims, All the Caps viz end, inline & universal & raceway caps are made out of Die-cast Aluminum. The partition must have three integrated raceway provided one at skirting level and another two at below & above the work surface level thus ensuring separation of power and networking cables. The free space available within raceway accommodates power, data and communication cables. Metal CPU Trolley & Keyboard tray to be considered.

BottomTile: Bottom row of frame is of MDF prelam, from both internal and external sides, made of 6 mm thick MDF board with std color.

Fabric tile: Constructed out of 4 mm thick MDF board, and covered with fabric of std color. Soft pin up tile: made out of

0.8 mm thick galvanized iron sheet with 8mm thick cross linked foam and covered with fabric of std color. Whiteboard Marker tiles: Made out of 6mm MDF with 0.8mm glossy highly wear resistant face laminate with a balancing laminate of 0.5mm thick on the back.

The Pedestal Unit is made of 18mm thick pre laminated partical Board conforming to IS :12823 Interior Grade. All the exposed edges are sealed with 2mm thick PVC edge banding on sides and bottom. The top and drawer facia are sealed with 2mm thick PVC edge banding of matching shade. The drawer unit consists of 2 box drawer and 1 file drawer. The sides of Inside drawer box are of prelam particle board. The drawer box is fitted with roller Slide for free movement. The drawer unit is provided with central locking system, where in the three drawer are locked with one key.PVC recessed handles are provided for

	<p>easy opening and closing of drawer. The drawer unit is fitted on castors for easy mobility. PVC edgbanding shall be of Rehau or Dolken of germany make The complete furniture unit is factory assembled with knock down fittings. The pedestal is fitted with additional (5th) castor to avoid toppling in case of opening all the three drawers. All the hardware &amp; channels are from Hettich/Ebco.</p> <p><b>Basic rate including applicable taxes =Rs. 40,900.00 +/-% (percentage above or below basic rate to be filled by the Contractor and total amount to be indicated in the column of "Rate".</b></p> <p><b>Detailed specifications and drawings enclosed in Annexure B</b></p>				
15.	<p><b>Sofa set - 2 seater: NOMENCLATURE &amp; DIMENSIONS (mm):-</b>  Supply &amp; installation as per layout plan two seater sofa with SIZE : 1600(W) X 900(D) X 850(H). Inner solid Frame structure made of high quality wood. The wood is kiln chemical treated tropical Meranti wood. The legs are made of rubberwood having melamine matt finish. The seat cushion is made of 7 inches multi layered foam of density 32D 23D 32D and HD with polyester polyfill outer layer of 180 gsm.</p> <p>The polyester polyfill keeps the upholstery wrinke free and soft. The seating cushions have 3 inches of elastic webbing of 350 gsm with diagonal weave. The threadused is nylon bonded to provide lasting stitch strength.</p> <p>Backrest:2" elastic webbing (250 gsm) with diagonal Weave and 3" foam (23D) with Polyester polyfill outer layer (180 gsm). Outer finish:stained solid wooden legs superiorquality. Frame construction: Kiln seasoned mixed meranti solid tropical hard wood</p> <p>SEAT Webbing 3" diagonal pattern webbing .Foam: 7" Multilayered foams Having 4" of High Resilience-HD Foam and 3" of HD virgin PU Foam.</p> <p>BACKREST: Webbing 2" elastic webbing , Foam: 18D PU foam</p> <p>Upholstery: semi PU with layer of polyester polywadding Stitching Nylon thread. Legs Solid kiln seasoned and treated Solid wood with Melamine Matt Finish.</p> <p><b>Basic rate including applicable taxes =Rs. 36,100.00 +/-</b></p> <p><b>Approved Model: Delphi (Wipro)/ Deventura (Godrej) OR similar models of other approved makes</b></p>	No.	9		
16.	<p><b>Sofa set - 3 seater: NOMENCLATURE &amp; DIMENSIONS (mm):-</b>  Supply &amp; installation as per layout plan three seater sofa with SIZE : 2010(W) X 900(D) X 850(H). Inner solid Frame structure made of</p>	No.	9		

	<p>high quality wood. The wood is kiln chemical treated tropical Meranti wood. The legs are made of rubberwood having melamine matt finish. The seat cushion is made of 7 inches multi layered foam of density 32D 23D 32D and HD with polyester polyfill outer layer of 180 gsm.</p> <p>The polyester polyfill keeps the upholstery wrinkle free and soft. The seating cushions have 3 inches of elastic webbing of 350 gsm with diagonal weave. The thread used is nylon bonded to provide lasting stitch strength.</p> <p>Backrest: 2" elastic webbing (250 gsm) with diagonal Weave and 3" foam (23D) with Polyester polyfill outer layer (180 gsm). Outer finish: stained solid wooden legs superior quality.</p> <p>Frame construction: Kiln seasoned mixed meranti solid tropical hard wood SEAT Webbing 3" diagonal pattern webbing</p> <p>Foam: 7" Multilayered foams Having 4" of High Resilience-HD Foam and 3" of HD virgin PU Foam.</p> <p>BACKREST: Webbing 2" elastic webbing , Foam: 18D PU foam</p> <p>Upholstery: semi PU with layer of polyester polywadding Stitching Nylon thread, Legs Solid kiln seasoned and treated Solid wood with Melamine Matt Finish.</p> <p><b>Basic rate including applicable taxes =Rs. 47,700.00 +/-</b></p> <p><b>Approved Model: Delphi (Wipro)/ Deventura (Godrej) OR similar models of other approved makes</b></p>				
17.	<p><b>Sofa set - 2 seater: NOMENCLATURE &amp; DIMENSIONS (mm):-</b></p> <p>Supply &amp; installation as per layout plan two seater sofa with SIZE : 1525(W) X 850(D) X 760(H). Inner solid Frame structure made of high quality wood. The wood is kiln chemical treated tropical Meranti wood. The legs are made of rubberwood having melamine matt finish. The seat cushion is made of 7 inches multi layered foam of density 32D 23D 32D and HD with polyester polyfill outer layer of 180 gsm.</p> <p>The polyester polyfill keeps the upholstery wrinkle free and soft. The seating cushions have 3 inches of elastic webbing of 350 gsm with diagonal weave. The thread used is nylon bonded to provide lasting stitch strength.</p> <p>Backrest: 2" elastic webbing (250 gsm) with diagonal Weave and 3" foam (23D) with Polyester polyfill outer layer (180 gsm). Outer finish: stained solid wooden legs superior quality.</p> <p>Frame construction: Kiln seasoned mixed meranti solid tropical hard wood SEAT Webbing</p>	No.	10		

	<p>3" diagonal pattern webbing Foam: 7" Multilayered foams Having 4" of High Resilience-HD Foam and 3" of HD virgin PU Foam. BACKREST: Webbing 2" elastic webbing , Foam: 18D PU foam Upholstery: semi PU with layer of polyester polywadding Stitiching Nylon Bondedthread, Legs Solid kiln seasoned and treated Solid wood with Melamine Matt Finish <b>Basic rate including applicable taxes =Rs. 34,400.00 +/-</b> <b>Approved Model: Alysia (Wipro)/ Deventura (Godrej) OR similar models of other approved makes</b></p>				
18.	<p><b>Sofa set - 3 seater: NOMENCLATURE &amp; DIMENSIONS (mm):-</b> Supply &amp; installation as per layout plan three seater sofa with SIZE : 2010(W) X 900(D) X 850(H). Inner solid Frame structure made of high quality wood. The wood is kiln chemical treated tropical Meranti wood. The legs are made of rubberwood having melamine matt finish. The seat cushion is made of 7 inches multi layered foam of density 32D 23D 32D and HD with polyester polyfill outer layer of 180 gsm. The polyester polyfill keeps the upholstery wrinke free and soft. The seating cushions have 3 inches of elastic webbing of 350 gsm with diagonal weave. The threadused is nylon bonded to provide lasting stitch strength. Backrest:2" elastic webbing (250 gsm) with diagonal Weave and 3" foam (23D) with Polyester polyfill outer layer (180 gsm). Outer finish:stained solid wooden legs superiorquality. Frame construction: Kiln seasoned mixed meranti solid tropical hard wood SEAT Webbing 3" diagonal pattern webbing Foam: 7" Multilayered foams Having 4" of High Resilience-HD Foam and 3" of HD virgin PU Foam. BACKREST: Webbing 2" elastic webbing , Foam: 18D PU foam Upholstery: semi PU with layer of polyester polywadding Stitiching Nylon Bondedthread, Legs Solid kiln seasoned and treated Solid wood with Melamine Matt Finish <b>Basic rate including applicable taxes =Rs. 43,500.00 +/-</b> <b>Approved Model: Delphi (Wipro)/ Deventura (Godrej) OR similar models of other approved makes</b></p>	No.	2		

19.	<p><b>Visitor area- 3 seater sofa:</b> Supply &amp; installation of 3 seater waiting area beam based visitor seating with side armrest with overall size of 1782x450x796. BEAM: Made of ERW tube of size 101.6x50.8x2 mm thick, which is light metallic grey color powder coated. Legs are made of chrome plated or powder coated MS understructure. SEAT &amp; Back shell is made of 1.6mm thick powder coated perforrated or Made of polypropylene with seat height is 460 mm, seat pan width &amp; depth is (464x435). BACK: Made of polypropylene, seat to backrest height is 420 mm, backrest height is 338 mm, backrest width is 480 mm. Overall size of 3 str lounge seating shall be 1625- 1780mm width, Depth 600 and Height from 710-795mm.</p> <p><b>Basic rate including applicable taxes =Rs. 39,900.00 +/-</b></p> <p><b>Approved Model: Alysia (Wipro)/ Milos (Godrej) OR similar models of other approved makes</b></p>	No.	2		
20.	<p><b>Visitor area- 2 seater sofa:</b> NOMENCLATURE &amp; DIMENSIONS (mm):- Supply &amp; installation as per layout plan two seater sofa with SIZE : 1600(W) X 900(D) X 850(H). Inner solid Frame structure made of high quality wood. The wood is kiln chemical treated tropical Meranti wood. The legs are made of rubberwood having melamine matt finish. The seat cushion is made of 7 inches multi layered foam of density 32D 23D 32D and HD with polyester polyfill outer layer of 180 gsm.</p> <p>The polyester polyfill keeps the upholstery wrinkle free and soft. The seating cushions have 3 inches of elastic webbing of 350 gsm with diagonal weave. The thread used is nylon bonded to provide lasting stitch strength.</p> <p>Backrest: 2" elastic webbing (250 gsm) with diagonal Weave and 3" foam (23D) with Polyester polyfill outer layer (180 gsm). Outer finish: stained solid wooden legs superior quality.</p> <p>Frame construction: Kiln seasoned mixed meranti solid tropical hard wood SEAT Webbing 3" diagonal pattern webbing</p> <p>Foam: 7" Multilayered foams Having 4" of High Resilience-HD Foam and 3" of HD virgin PU Foam.</p> <p>BACKREST: Webbing 2" elastic webbing , Foam: 18D PU foam</p> <p>Upholstery: semi PU with layer of polyester polywadding Stitiching Nylon Bonded thread,</p> <p>Legs Solid kiln seasoned and treated Solid wood with Melamine Matt Finish.</p> <p><b>Basic rate including applicable taxes =Rs. 30,000.00 +/-</b></p>	No.	10		

	<b>Approved Model: Alysia (Wipro)/ Milos (Godrej) OR similar models of other approved makes</b>				
21.	<p><b>Dining table- 4 - seater:</b> Supply &amp; installation of 4 seater dining table size 1200x900 where Table Top made of 25mm thick MDF with finished in pvc memberane using unique wrap around for better aesthetics &amp; long lasting use. Understructure - It has 2 vertical pipes with tie bar connected horizontally on bottom of the table top. Two vertical pipes are connected with help of horizontal pipes at the top &amp; bottom. Connector pipe is 25mm dia and is 1235 long. It is made of 1.6mm thick ss 202. Additional 2 horizontal pipe are provided below the table top for strength &amp; stability.</p> <p><b>Basic rate including applicable taxes =Rs. 31,900.00 +/-</b></p> <p><b>Approved Model: Xmeet 4 seater (Wipro)/ Grande dining table (Godrej) OR similar models of other approved makes</b></p>	No.	3		
22.	<p><b>Dining table - 6- seater:</b> Supply &amp; installation of 6 seater dining table size 1800x900 where Table Top made of 25mm thick MDF with finished in pvc memberane using unique wrap around for better aesthetics &amp; long lasting use. Understructure - It has 2 vertical pipes with prong legs connected horizontally. Pitch centre dia for the prong is 700mm. Prongs are made of 2mm thick SS 202. These are connected to a vertical pipe. Two vertical pipes are connected with help of horizontal pipes at the top &amp; bottom. Connector pipe is 25mm dia and is 1235 long. It is made of 1.6mm thick ss 202. Additional 2 horizontal pipe are provided below the table top for strength &amp; stability OR MS understructure also can be provided with vertical legs &amp; tie member.</p> <p><b>Basic rate including applicable taxes =Rs. 51,900.00 +/-</b></p> <p><b>Approved Model: Get together cafe (Wipro) OR similar models of other approved makes</b></p>	No.	2		
23.	<p><b>Table- conference room:</b> Supply &amp; installation of table size shall be 1650 Width mm x 900 Depth mm x 740 Height mm . The top shall be 25 mm thick PLB with 2 mm thick PVC Edge Beading plus the Understructure including legs &amp; tie members shall be made of MS powder coated.</p> <p><b>Basic rate including applicable taxes =Rs. 15,200.00 +/-</b></p> <p><b>Approved Model: Insight table (Godrej) OR similar models of other approved makes</b></p>	No.	2		

24.	<p><b>Cafeteria table:</b> Supply &amp; installation of table - Over all size Dinining Top Length 1170mm Width 750mm Legs : length 130mm width 65 mm , thickness 15 to18 mm , metal material : Bolt + Washer, Wooden material : sheesham solid wood.</p> <p><b>Basic rate including applicable taxes =Rs. 23,500.00 +/-</b></p> <p><b>Approved Model: Xmeet with MDF top &amp; MS understructure (Wipro) OR similar models of other approved makes</b></p>	No.	12		
25.	<p><b>Dining chair- Director:</b> Supply &amp; installation of chair- Entire seat &amp; back is a single moulded bend ply with laminate coating. Back type is with back rest with a height of 410mm and back width of 400mm max. Seat height is 465mm with depth of 425mm. Entire seat &amp; back is 12mm single moulded ply with laminate on both sides.</p> <p>Understructure is made of MS pipe with a dia of 19*2 having a powder coated silver finish which is ROHS certified. Overall height of chair is 875mm with max width of 469mm.</p> <p><b>Basic rate including applicable taxes =Rs. 9,500.00 +/-</b></p> <p><b>Approved Model: Swish Dining Chair (Godrej)/ Coral Soild wood dining chair (Durian) OR similar models of other approved makes</b></p>	No.	14		
26.	<p><b>Dining chair:</b> Supply &amp; installation of chair- Entire seat &amp; back is a single moulded bend ply with laminate coating. Back type is with back rest with a height of 410mm and back width of 400mm max. Seat height is 465mm with depth of 425mm. Entire seat &amp; back is 12mm single moulded ply with laminate on both sides.</p> <p>Understructure is made of MS pipe with a dia of 19*2 having a powder coated silver finish which is ROHS certified. Overall height of chair is 875mm with max width of 469mm.</p> <p><b>Basic rate including applicable taxes =Rs. 5,200.00 +/-</b></p> <p><b>Model: Munch (Wipro)/ Grande Dining Chair (Godrej)/ Lilac soild wood dining chair (Durian) OR similar models of other approved makes</b></p>	No.	70		
27.	<p><b>Center Table:</b> Supply &amp; installation of chair- MATERIALS &amp; DIMENSION (+/- 2mm)- L1200 x 750Wx 450*H . TABLE METERIALS &amp; SIZE : TOP: SOLID VENEER MDF TABLE TOP WITH 18 mm/GLASS TOP 10mm. LEGS: SOLID RUBBER /MS understructure, WOOD. Color : CAPPUCINO. . LEGS: Color : CAPPUCINO. RESTANY STD COLOUR.</p> <p><b>Basic rate including applicable taxes =Rs. 14,500.00 +/-</b></p> <p><b>Approved Model: Splenda Coffee table</b></p>	No.	12		



	<b>(Godrej) OR similar models of other approved makes</b>				
28.	<p><b>Corner table:</b> Supply &amp; installation of table-MATERIALS &amp; DIMENSION (+/- 2mm)- L600 x 600Wx 450*H . TABLE METERIALS &amp; SIZE : TOP: SOLID VENEER MDF TABLE TOP WITH 18 mm/GLASS TOP 10mm. LEGS: SOLID RUBBER /MS understructure, WOOD. Color : CAPPUCINO. . LEGS: Color : CAPPUCINO. RESTANY STD COLOUR.</p> <p><b>Basic rate including applicable taxes =Rs. 10,800.00 +/-</b></p> <p><b>Model: Splenda Corner table (Godrej) OR similar models of other approved makes</b></p>	No.	13		
29.	<p><b>Wall Storage Unit:</b> Supply &amp; installation-Overall Dimensions of Floor Unit 500 W Main shall be 400- 500mm(W)x450-500mm(D)x1800-2025mm(H) . The construction shall be aesthetically appealing completely knock down construction . Legs shall be fitted with screw type leveler and material shall be from combination of CRCA 0.5 mm &amp; 0.8 mm. Shelving shall have height wise adjustable shelf mounting , Each full shelf has load capacity of 40 Kg UDL Max. Min 2 No. of adjustable shelves. Overall Dimensions of Floor Unit 400-500 W metal Door shall be 398- 498mm(W)x26mm(D)x 1780-1978mm(H) . The construction shall be withMS CRCA sheet . Material shall be self closing hinges. Handle shall be aesthetically appealing , Ergonomic, made of aluminium . The locking shall be 3 way .Overall Dimensions of OH Unit 500 W metal Door shall be 398-498mm(W)x26mm(D)x595-646mm(H) . The construction shall be with MS CRCA . Material shall be self closing hinges . Handle shall be aesthetically appealing , Ergonomic, made of aluminium . The locking shall be 3 way.</p> <p><b>Basic rate including applicable taxes =Rs. 28,700.00 +/-</b></p> <p><b>Approved Model: Endura plus swing door (Wipro) OR similar models of other approved makes</b></p>	No.	100		
30.	<p><b>Personal Locker Unit:</b> Supply &amp; installation-Overall size of 6 - Door PLU + Lkr (Base)shall be 380mm(W)x450mm(D)x1830mm(H). Material shall be CRCA 0.6 mm thickness . Construction shall be Rigid Knockdown construction , shelf shall be uniformly distributed load capacity per each shelf level is 35 Kg maximum. Handle/Label holder shall be Aesthetically appealing. Ventilation shall be attractive punched pattern for ventilation .</p>	No.	12		

	<p>Powder coating thickness should be 60-80 microns per dft.</p> <p><b>Basic rate including applicable taxes =Rs. 18,200.00 +/-</b></p> <p><b>Approved Model: Endura plus swing door (Wipro) OR similar models of other approved makes</b></p>				
31.	<p><b>Swing door storage:</b> Supply &amp; installation- It shall have an overall size of 900x450x1200H with knock down construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. It should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. There shall be 3 loading levels.</p> <p><b>Basic rate including applicable taxes =Rs. 24,200.00 +/-</b></p> <p><b>Approved Model: Endura plus swing door (Wipro) OR similar models of other approved makes</b></p>	No.	100		
32.	<p><b>Roller blinds:</b> Supply &amp; installation- Providing and fixing Roller Blinds with HEAD RAIL chain system drive with ball chain pulley automatically locked on release of ball chain. Plastic idler plug roller tubes corrosion proof outside dia 38mm , bottom rail stiffening element , ball chain acetel balls endless, Fabric 100% Polyester with Width of 2.60 mtrs &amp; vane size is 2" complete to the entire satisfaction of engineer-in-charge.</p> <p><b>Basic rate including applicable taxes =Rs. 3,000.00 +/-</b></p> <p><b>below basic rate to be filled by the Contractor and total amount to be indicated in the column of "Rate".</b></p>	sq. m	100		
33.	<p><b>Triple blinds:</b> Supply &amp; installation of Triple Blinds with PELMET chain system drive with ball chain pulley automatically locked on release of ball chain. Plastic idler plug roller tubes corrosion proof outside dia 38mm , bottom rail stiffening element , ball chain acetel balls endless, Fabric 100% Polyester with Width of 2.60 mtrs &amp; vane size is 2" complete to the entire satisfaction of engineer-in-charge</p> <p><b>Basic rate including applicable taxes =Rs. 4,300 .00 +/-</b></p> <p><b>in the column of "Rate".</b></p>	sq. m	20		

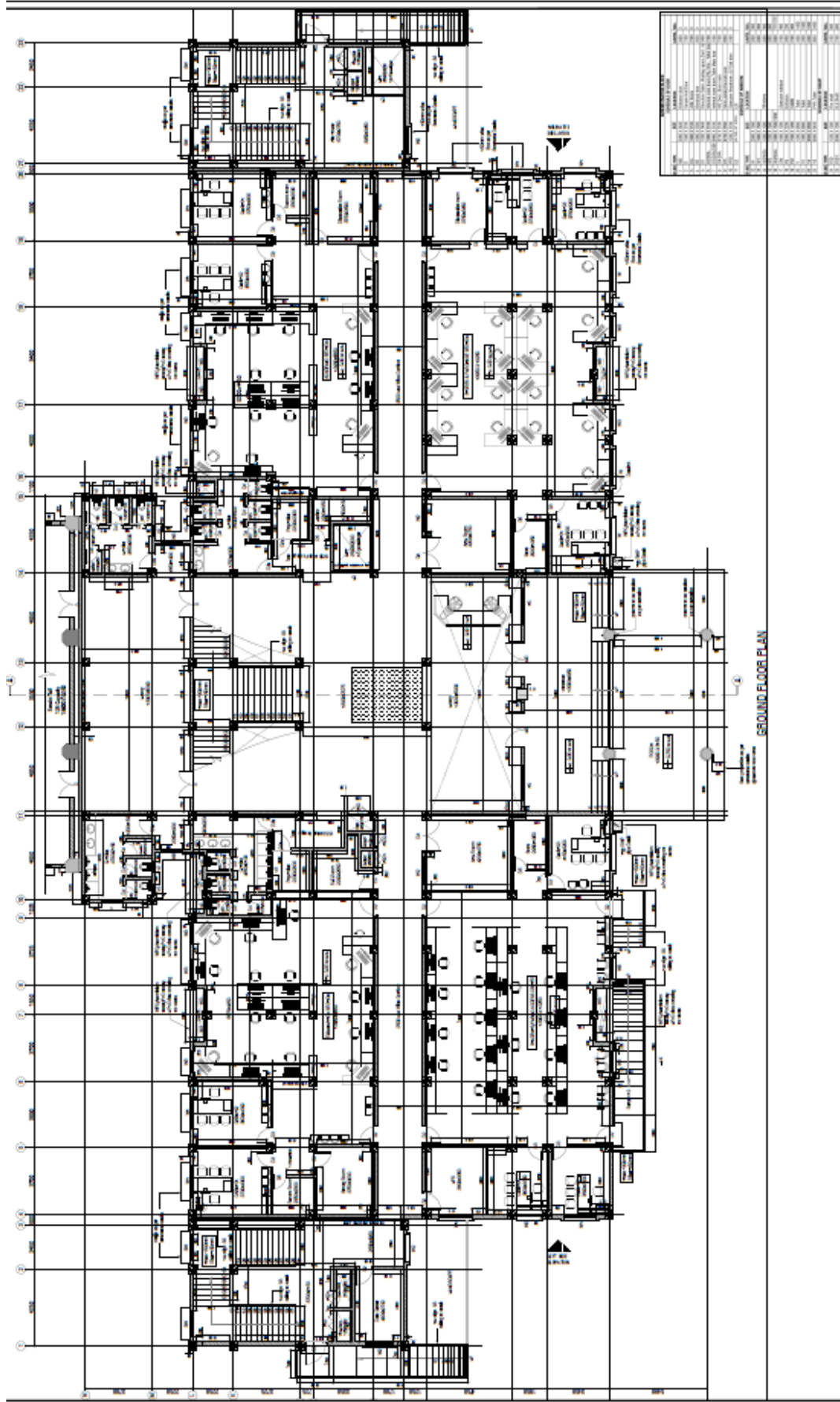
34.	<p>Supply &amp; installation of wall paneling made of pinewood E1 grade fiberboard, melamine/ veneer laminated finish, groove perforated L32-2 - (2mm grooves @ 32mm centers), back lined with Soundtexblack acoustical fleece, tongue-groove edge for a seamless look, 5-test fire retardant grade/ Non FR, Acoustics – NRC 0.77 (For E300* Mounting), size 128x2440x16mm, volume density of base board 800Kg/m<sup>3</sup>, 10.5Kgs/m<sup>2</sup> (L32), installed by using Strut framework system. Slats to be backed with Synthetic PF 10x25 adhered to wall with stick .The Paneling shall be finished as per the drawings and to the satisfaction of the Engineer in Charge. All the support system shall be as per the Approved make list and the suspension system shall be got approved before starting installation at site.</p> <p><i>1. General</i></p> <p>The material shall be wood fiber cement composite tiles and shall be 15 mm thick of size 600X600 mm or 600 x 1200 mm as per drawing. The Tile shall have 0.9 NRC (Min) as per ISO: 354-1985 and ASTM 423-90 a, Density 500 Kg/ m<sup>3</sup> (Min), and meets Fire Resistance Class 1(UK), weather resistance as per IS 3308, Thermal Insulation as per IS: 3346-1980 with relative humidity of 90% RH at 60° Celsius (140° Fahrenheit) for 15 days without any deterioration. The material shall conforms to En 131682001 and are RoHS Complaint</p> <p><i>2. Fixing</i></p> <p>The support system shall be made out of GI Studs having thickness of 0.55 mm and cross section size of 50mm x 50 mm. The panel shall have linear grooves in the thickness and shall be fixed on to the GI Studs using suitable GI H profile fixed on the studs. The panels shall slide and fix into these H Profiles and shall be fixed firmly. The Wall Paneling shall have a backing of Polyfiber/ Polyester based Acoustical absorb Wool 50 mm thick having Minimum NRC of 0.60 (min) covered in Acoustical non woven fabric and fixed to each panel with GI wires of 20 SWG. The Paneling shall be finished as per the drawings and to the satisfaction of the Engineer in Charge. All the support system shall be as per the Approved make list and the suspension system shall be got approved before starting installation at site.</p> <p><i>3. Measurement</i></p> <p>Measurement shall be per square meter of panel installed as per drawing.</p> <p><i>4. Rate</i></p> <p>Rate shall be for per square meter of panel including material,labor, tools and tackles required to complete the work as per the</p>	Sq.m	10,000		
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	<p>drawing and the satisfaction of Engineer in Charge.</p> <p><b>Basic rate including applicable taxes =Rs. 2,000.00 +/- _____% (percentage above or below basic rate to be filled by the Contractor and total amount to be indicated in the column of "Rate".</b></p>				
35.	<p>Cupboard ply: 18mm BWD 710 grade ply with internal lamination 0.8mm &amp; external lamination 1mm. with modular edge binding inside shelter and backside. Makes: century / green lamb, with ebgo/ Ikea equivalent</p> <p><b>Basic rate including applicable taxes =Rs. 16,000.00 +/- _____% (percentage above or below basic rate to be filled by the Contractor and total amount to be indicated in the column of "Rate".</b></p>	Sq.m	300		
36.	<p><b>Metal Storage :</b> Doors 22 Gage , other side 24 gage. With 2 shelves metal swing Doors. 3 level of Box files Capacity : 30 Box files W 900 D 450 H 1335 Other storage : 4 shelves glass swing door 5 levels of box files Capacity 50 box files W 900 D 450 H 2015</p> <p><b>Basic rate including applicable taxes =Rs. 45,000.00 +/- _____% (percentage above or below basic rate to be filled by the Contractor and total amount to be indicated in the column of "Rate".</b></p>	No.	30		

**Note:** As per clause 5.1.9, Unconditionally, the institute reserves right, to delete and withdraw the complete execution, up to Seven (07) items, across any of the listed bill of quantities (attached) at the time of finalizing the drawings. Also, there shall be a variation of +/-20% in Bill of Quantities among them which are attempted and approved to execute. The firm shall consider the above aspect before participating in the tender and do not claim any right of executing and claiming the financial benefit at later stage. All payments are made as per drawings approved by institute and as executed and built as per specifications laid down for the purpose.

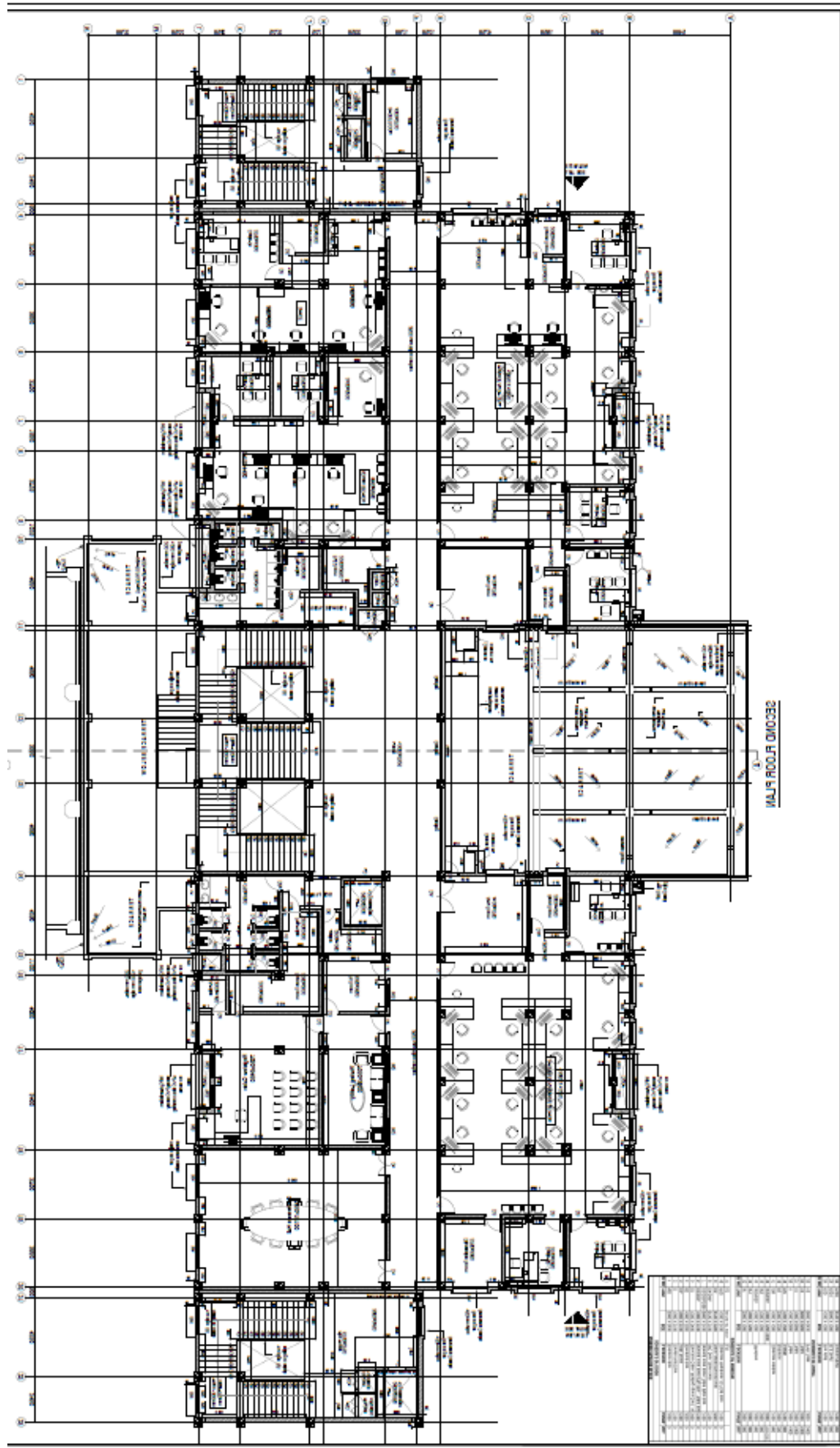
# ANNEXURE-A: SEATING PLAN

## SVP Admintrative Building: GROUND FLOOR PLAN

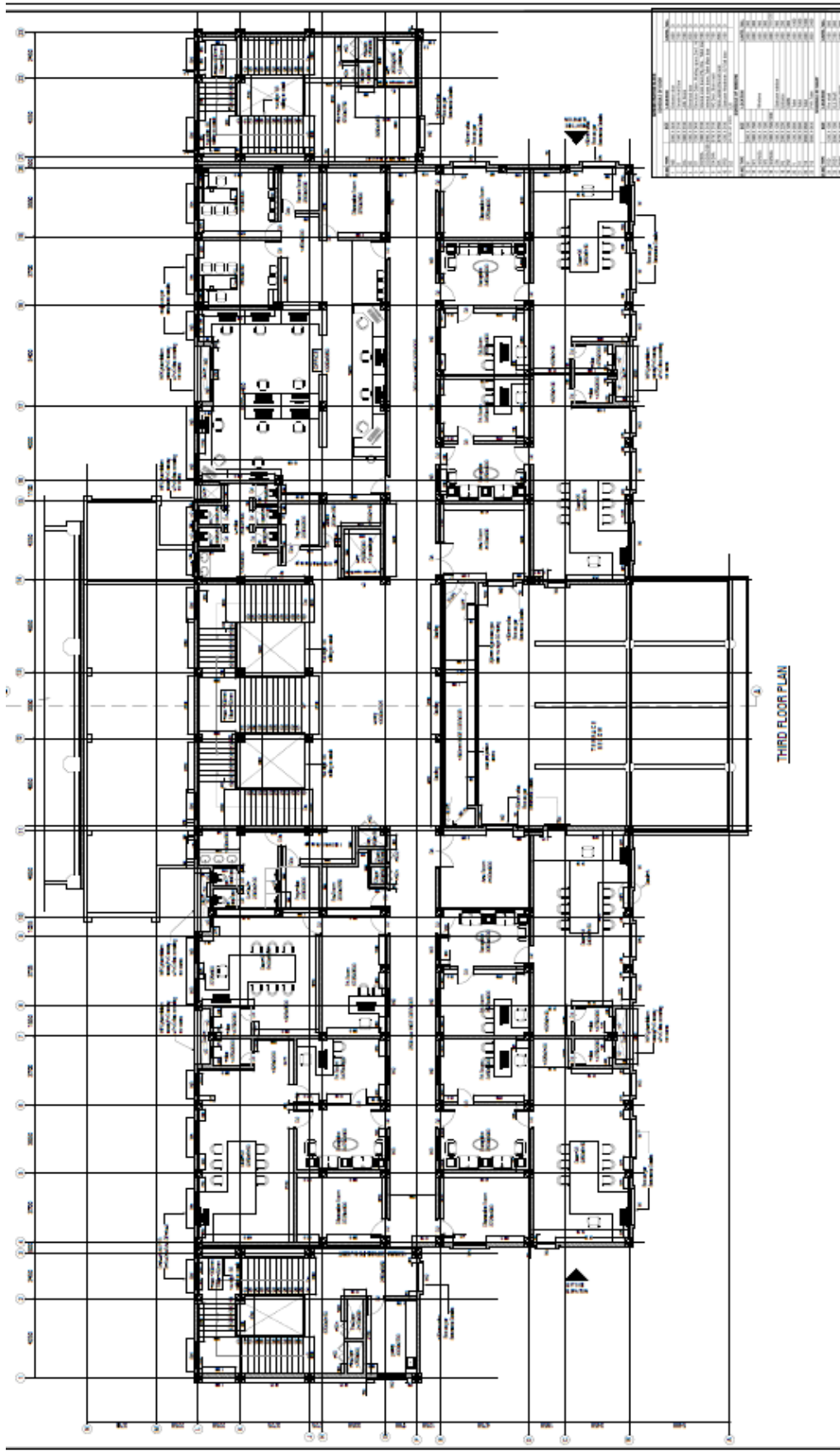




# SVP Admintrative Building: SECOND FLOOR PLAN

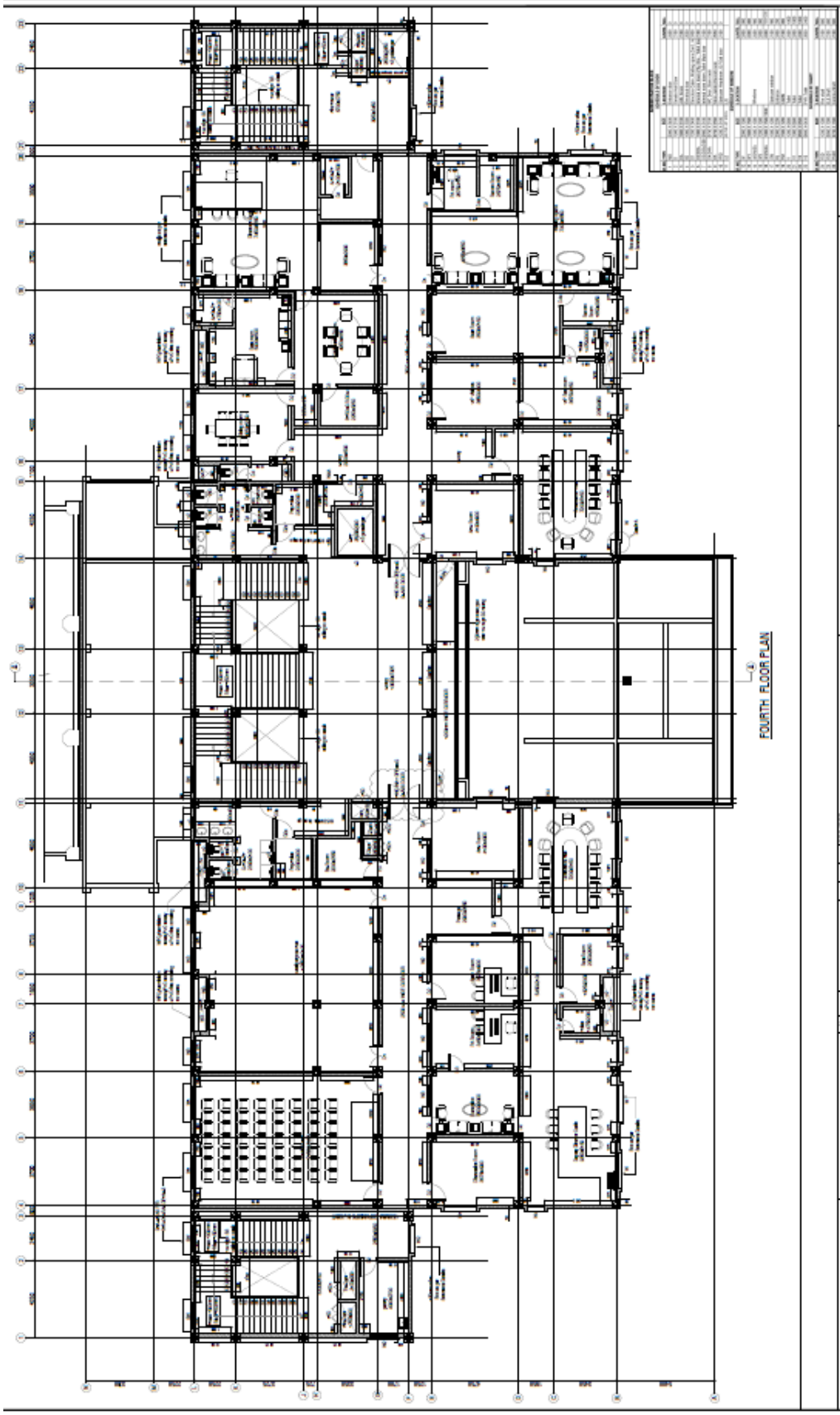


# SVP Admintrative Building: THIRD FLOOR PLAN

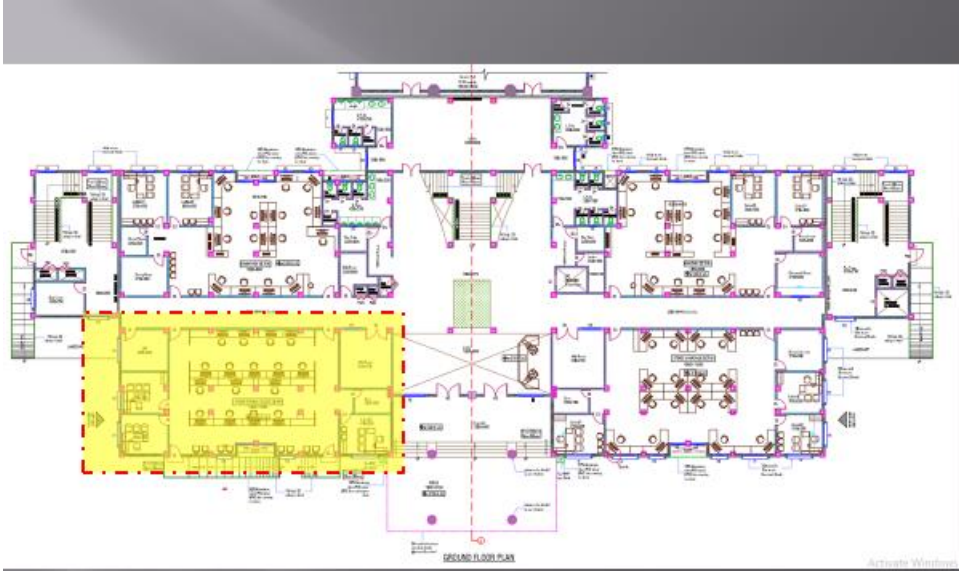




SVP Admintrative Building: FORTH FLOOR PLAN



# SVP Admintrative Building: Priliminary Conceptual Drawings of Few Offices



PUBLIC ACCESS PLAN



PUBLIC ACCESS ROOM



VETRIFIED  
TILES

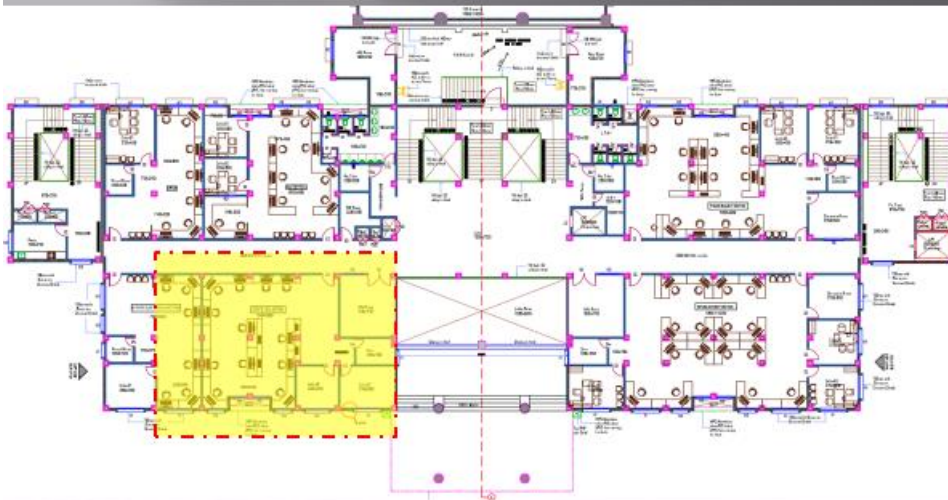


WAITING SOFA



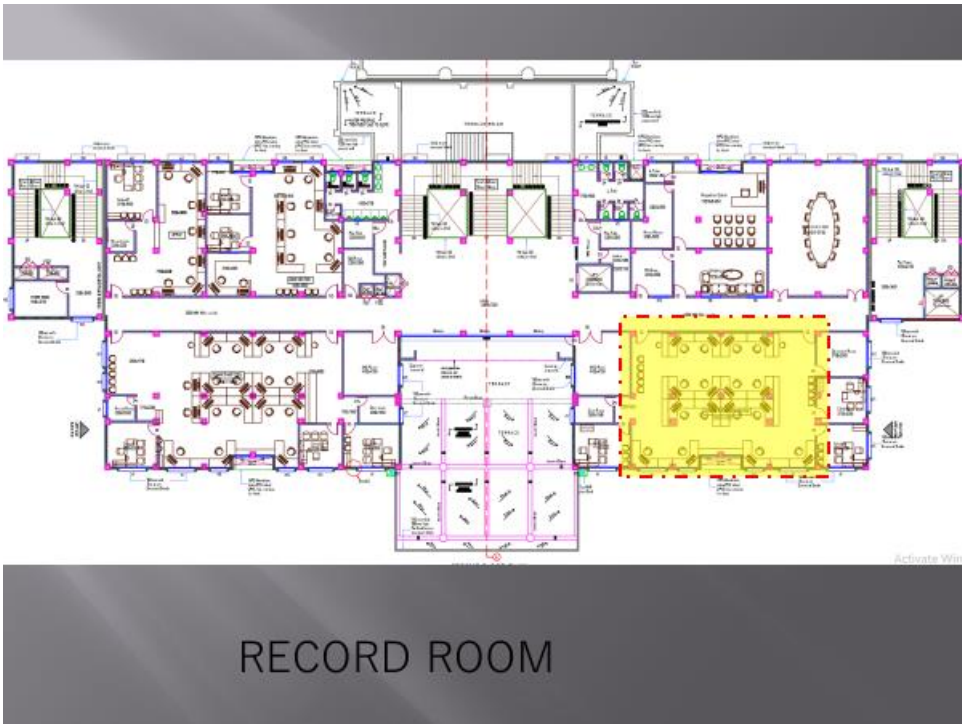
TEAK WOOD VENEER PANELING  
FOR PILLAR

## PUBLIC ACCESS ROOM



## ESTATE CIVIL SECTION









RECORD ROOM



RECORD ROOM



RIGISTRAR ROOM







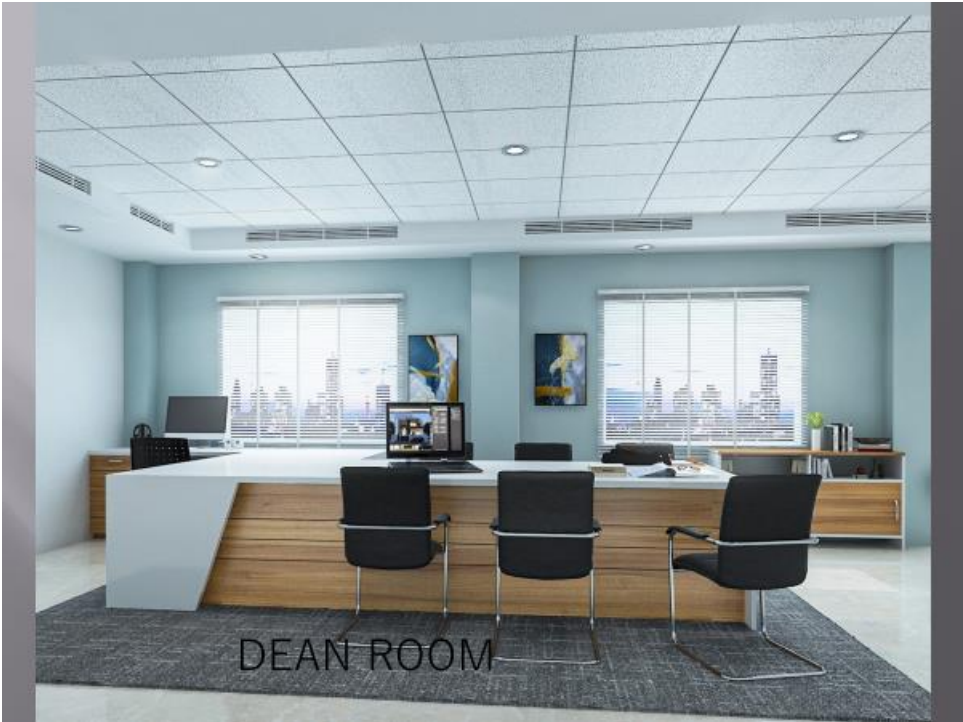
RIGISTRAR ROOM



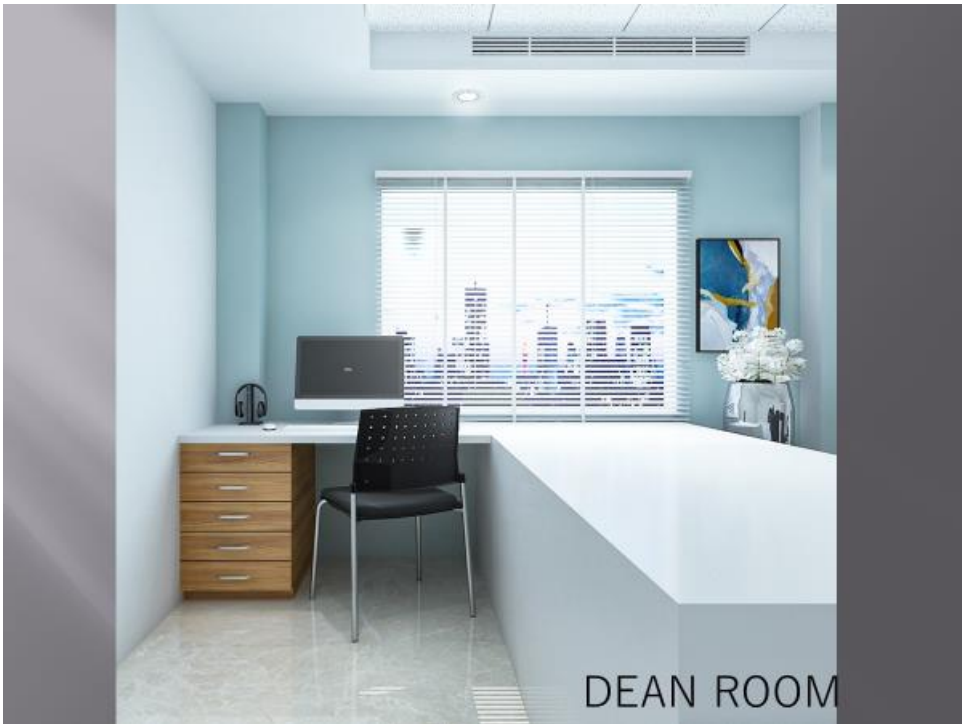
RIGISTRAR ROOM



DEAN ROOM

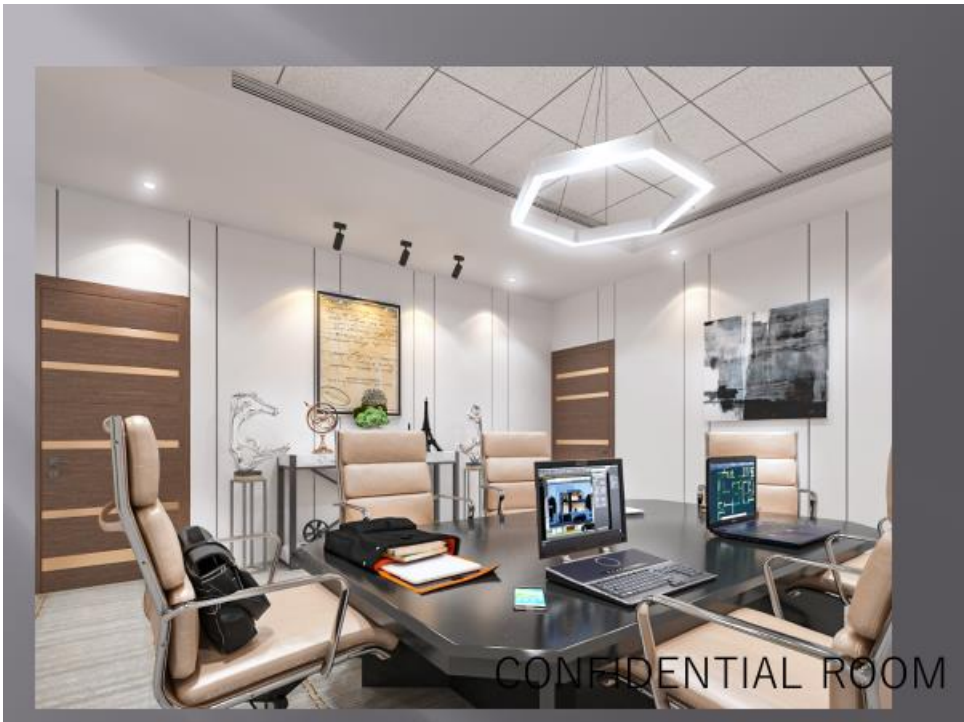


DEAN ROOM





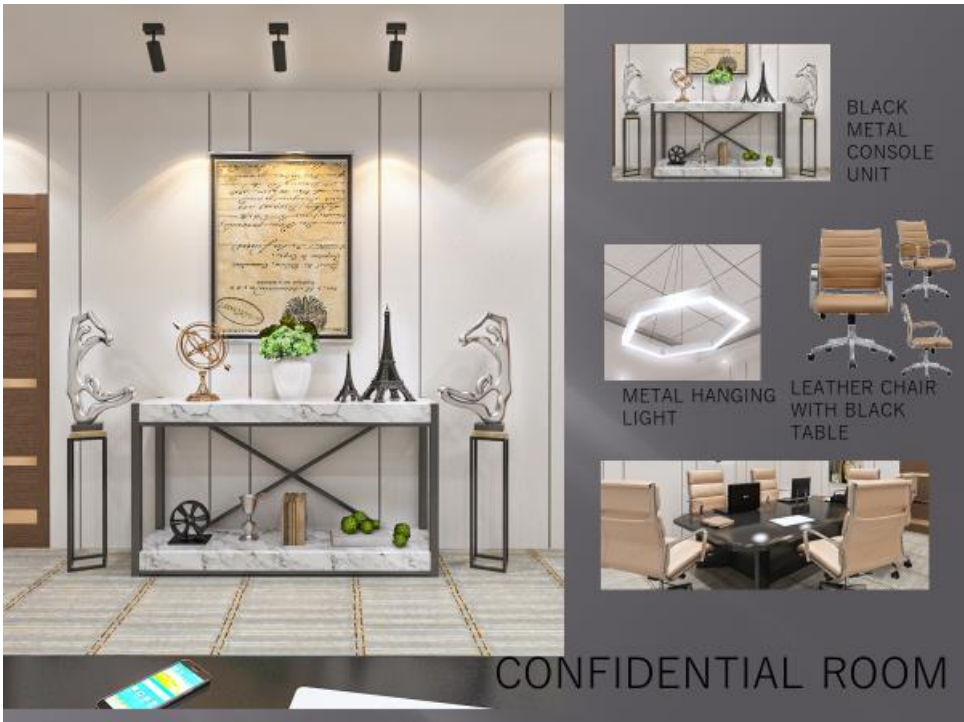
CONFIDENTIAL ROOM



CONFIDENTIAL ROOM



CONFIDENTIAL ROOM



BLACK METAL CONSOLE UNIT



METAL HANGING LIGHT



LEATHER CHAIR WITH BLACK TABLE



CONFIDENTIAL ROOM



## DINING ROOM



SATVARIO MARBLE

- 1. WALL PANELING WITH SATVARIO MARBLE
- 2. TABLE WITH SATVARIO TAOP



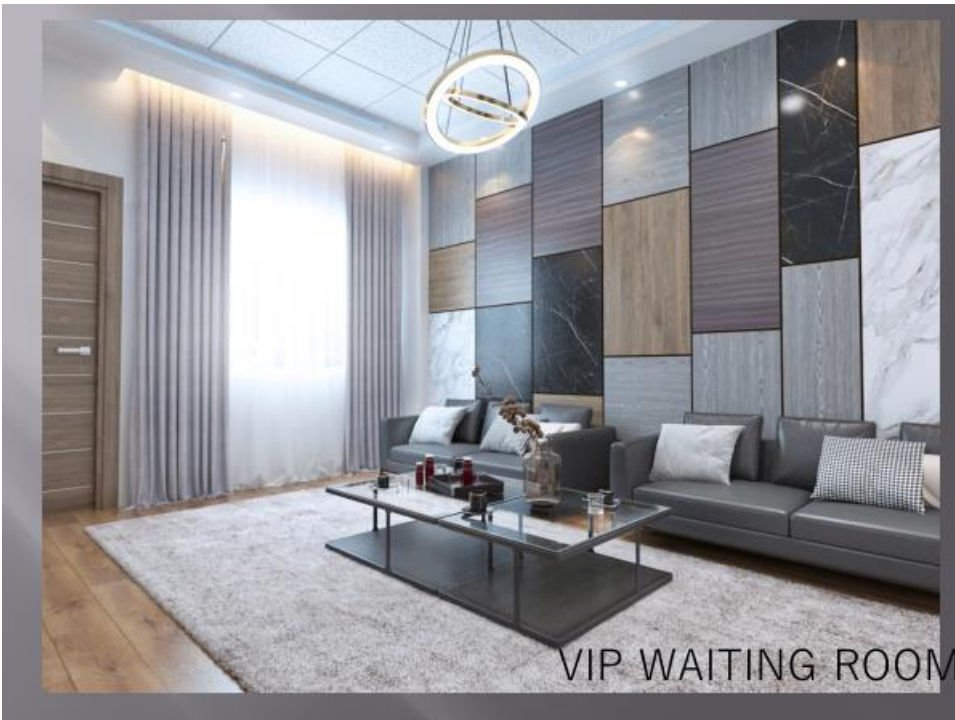
WOODEN FLOORING

WHITE MARBLE, COPER METAL AND WOOD GIVE WELCOMNG  
**LUXURIOUS AMBIENCE** FOR THE GUEST

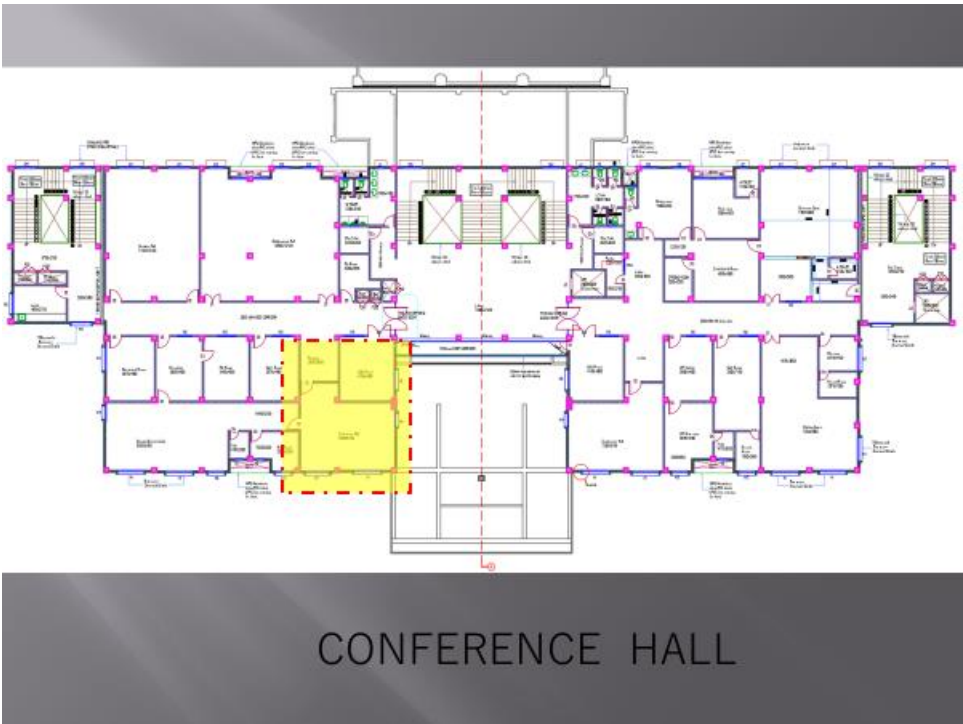
## DINING ROOM



VIP WATING ROOM



VIP WAITING ROOM







CONFERENCE ROOM



LEATHER CONFERENCE ROOM CHAIR



FLOORING - CARPET

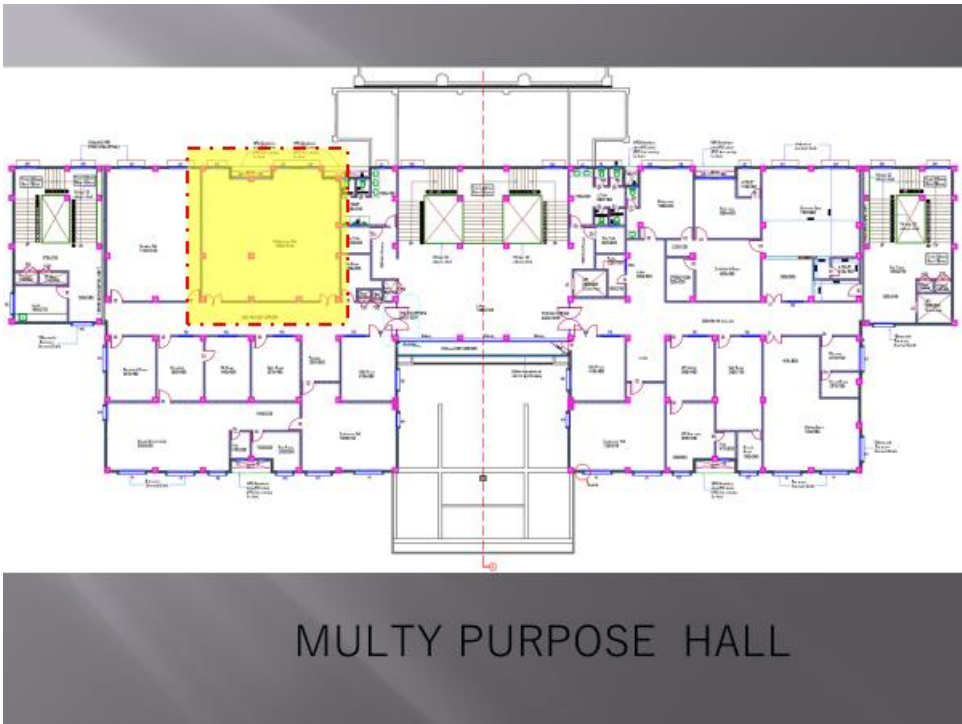


CONFERENCE ROOM



SEMINOR HALL







MULTY PURPOSE HALL

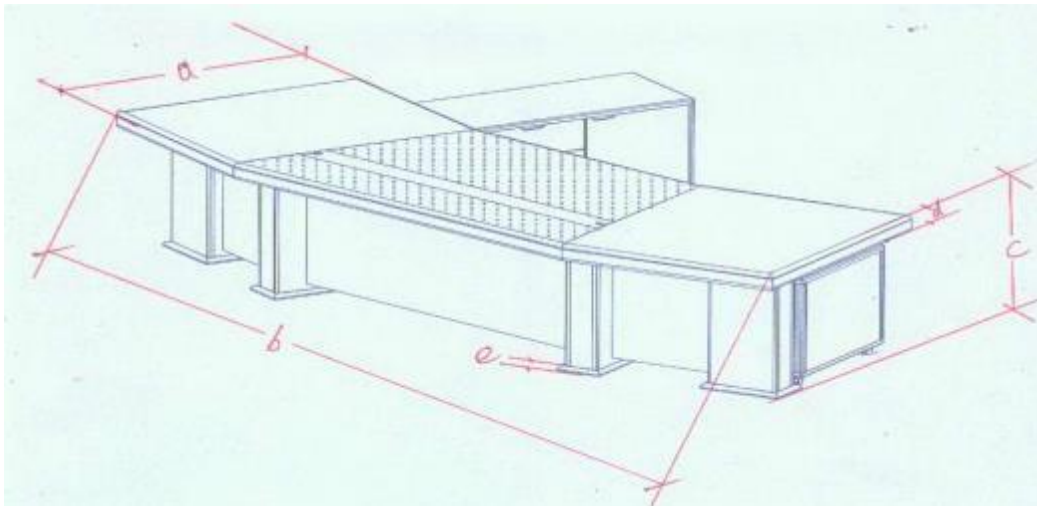
## **ANNEXURE-B: TYPICAL Table with, Pedestal & Back Unit**

### **TYPICAL MAIN TABLE**

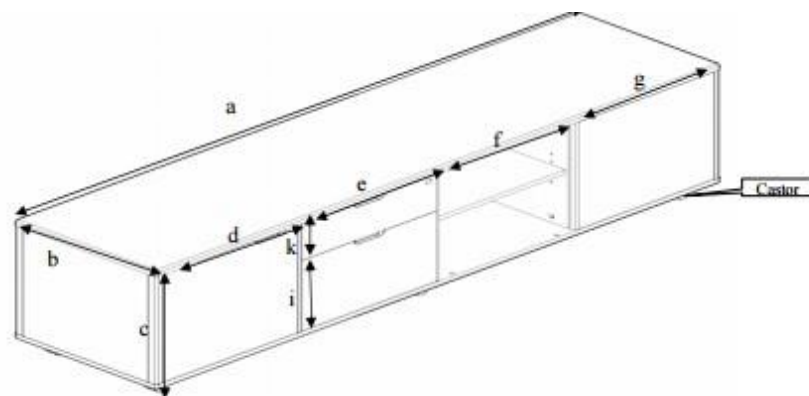
The Main table shall be of size 3000 Width mm x 1200 mm Depth x 750 mm height. Top surface of the table shall be made up of MDF (Medium density fibre) board duly finished with Veneer and final coating of PU. The Main desk should contain in Smart Case - space slides effortlessly in style. The mobile Pedestal shall be of size 480 Width mm x 640 Depth mm x 600 Height mm. Mobile pedestal shall be coated of MDF (medium density fibre) with veneer coating and PU coating. The Top shall be of MDF (medium density fibre) board duly finished with veneer and final PU coating. Size of writing top 1900 Width mm x 480 Depth mm x 550 (not from ground with castors). The main desk is provided with the wire management system also there is storage side unit.

### **TYPICAL BACK UNIT**

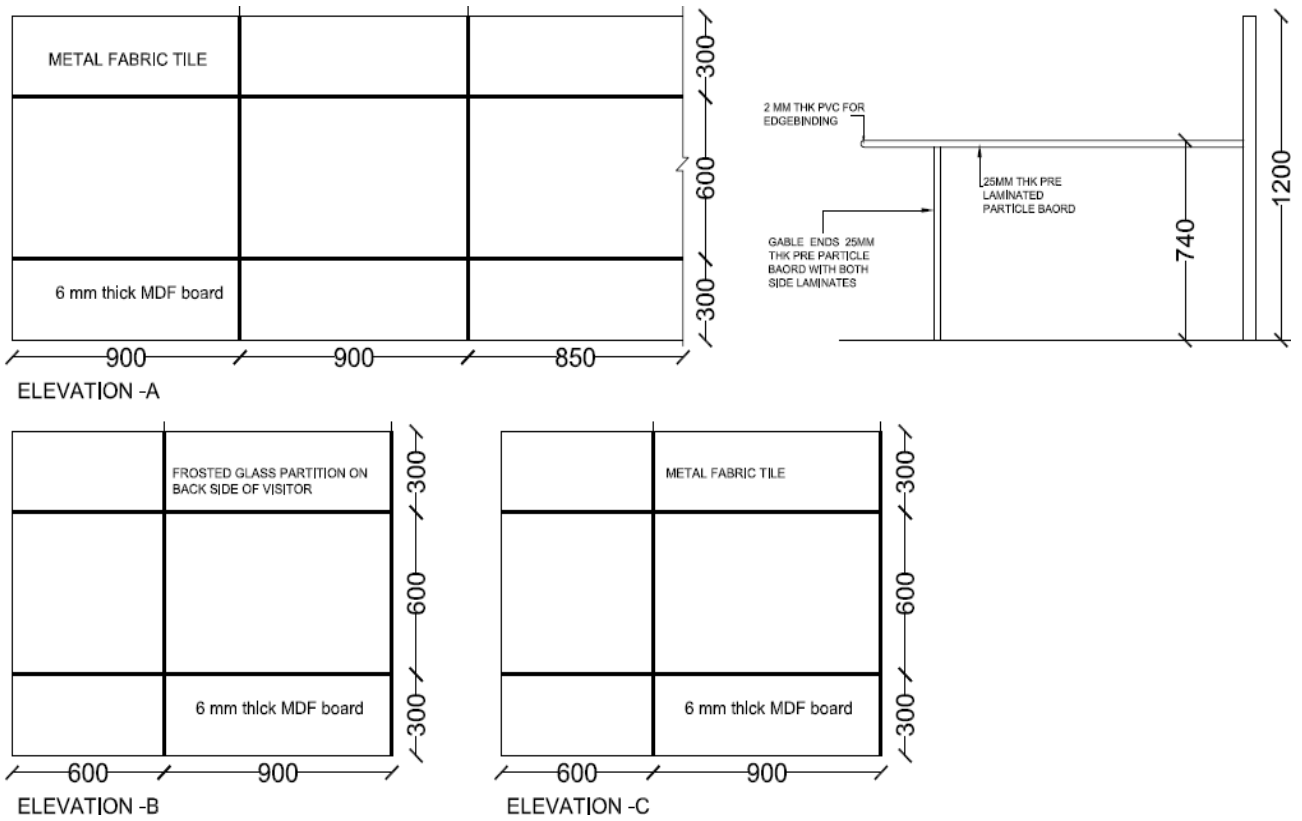
The Size of the Back unit shall be 1000 mm width x 480 mm Depth x 2035 mm height. The back unit shall be made up of MDF board duly finished with veneer & final finish by PU coating. The mobile unit to have glass front PU coating hardness 1.5H.



MAI  
N DESK







### **TYPICAL CONFERENCE TABLE**

Providing & fixing Fabricated at site Conference System U shaped, open ended 28 TOTAL SIZE (51'-6" X 8'-6") WITH CENTRAL GAP OF 4'-6" seating in size of 4'-6"x2'-0" for two seats and 2'-3"x2'-0" for one seat capacity with Table Top made of 25mm thick MDF with waterfall top edge finished in pvc memberane using unique wrap around for better aesthetics & long lasting use. Understructure - Legs are made of 25mm thick standard black matt colour post formed panels connected with 18mm thick std black prelamated modesty panels. Wire management - concealed wire management to take care both horizontally & vertically. For open configurations, wire channel is mounted on the inner side of modesty panel for horizontal wire carrying. Vertical wire management is through flexible wire manager. Std table top height is 740mm, pvc membrane tops are seamless surface, post formed legs for safe use.

