

ଜିଲ୍ଲା ଖଣିଜ ପ୍ରତିଷ୍ଠାନ, ସୁନ୍ଦରଗଡ଼  
**DISTRICT MINERAL FOUNDATION, SUNDARGARH**



RFP NO: -DMF/SNG-04-2022-23

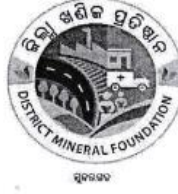
**REQUEST FOR PROPOSAL**

**“Selection of agency for execution of Interior & Furnishing work in different buildings with 3 yrs AMC in Sundargarh District.”**

**TENDER SCHEDULE**

<b>Availability of Tender documents</b>	<b>:</b>	<b>02-05-2022</b>
<b>Last date for submission of Sealed Tender</b>	<b>:</b>	<b>23-05-2022</b>
<b>Date of Opening Technical &amp; Financial</b>	<b>:</b>	<b>25-05-2022</b>

Issued by : Collector & Chairperson  
DMF, Sundargarh.




**ଜିଲ୍ଲା ଖଣିଜ ପ୍ରତିଷ୍ଠାନ, ସମ୍ବଲପୁର.**  
**DISTRICT MINERAL FOUNDATION, SUNDARGARH.**

Letter No. 983 / (DMF)

Dated the 30/04/2022

**RFP NO: -DMF/SNG/04-2022-2023**

The Collector-cum-Chairperson, District Mineral Foundation (DMF) Sundargarh, Government of Odisha invites technical and financial proposals from reputed implementing Agency/ Firms of National and International repute for <b>“Selection of agency for execution of Interior &amp; Furnishing work in different buildings with 3-year AMC in Sundargarh District”</b> as detailed in the Scope of Work in this DTCN. The interested and eligible Firms/company/agency with valid Registration Certificate as a Company, as detailed in DTCN, may apply for the same in OFF-LINE mode. (For details visit <a href="http://www.sundergarh.nic.in">www.sundergarh.nic.in</a> ).	
Nature of Works	<b>“Selection of agency for execution of Interior &amp; Furnishing work in different buildings with 3-year AMC in Sundargarh District”</b>
Tender (Bid) Cost	Rs. 10,000.00 (Ten Thousand Only) in favour of CEO, DMF, Sundargarh
EMD Cost	Rs. 5,00,000.00 (Five Lakh Only) in favour of CEO, DMF, Sundargarh
Availability of bid document in the website	From 11.00 A.M. of 02-05-2022 to 23-05-2022 up to 5:00 P.M.
Last date of receipt of Bid	23-05-2022 up to 5:00 P.M.
Mode of Receipt of Bids	<b>Through Speed Post/ Registered Post (India Post) and by no other means.</b>
Date of opening of Technical Bid and Presentation	Date: 25-05-2022 at 11:00 A.M.
Date of opening of Financial Bid	Date: 25-05-2022 at 11:00 A.M.
Address for Business query and correspondence	<b>Chief Executive Officer, District Mineral Foundation, Sundargarh Sundargarh -770001, Tel- 06622-273846 Website- <a href="http://www.sundergarh.nic.in">www.sundergarh.nic.in</a> E-mail Id- <a href="mailto:dmfsundergarh@gmail.com">dmfsundergarh@gmail.com</a></b>
The bidders have to participate in OFF-LINE bidding only. Further details can be seen from the Sundargarh District website ( <a href="http://www.sundergarh.nic.in">www.sundergarh.nic.in</a> ). Any addendum /corrigendum / cancellation of tender can also be seen in the said websites. In case of any query, please write email in <a href="mailto:dmfsundergarh@gmail.com">dmfsundergarh@gmail.com</a> .	

  
Collector-cum-Chairperson  
DMF, Sundargarh

Memo No...984...../DMF

Dt. 30-04-22

Copy to DIO, NIC, Sundargarh with a request to upload this Bid Identification Notice in the Sundargarh District Web-Site [www.sundargarh.nic.in](http://www.sundargarh.nic.in) by Date – 02-05-2022 for wide publication and timely response by the intending Agency's.

  
Collector-cum- Chairperson  
DMF, Sundargar

Memo No...985...../DMF

Dt. 30-04-22

Copy to the A.D.M., Sundargarh/ Rourkela/ Sub-Collector, Sadar/Panposh/Bonai/ All Block Development Officers of the District/Executive Engineer, R&B Division, Sundargarh/Rourkela/ Executive Engineer, RW Division, Sundargarh/Rourkela/ Executive Engineer Minor Irrigation Division ,Sundargarh/ Executive Engineer, Irrigation Division ,Sundargarh/ Executive Engineer, Rukura Irrigation Division, Panposh/ Executive Engineer, RWSS Division, Sundargarh/Rourkela/ Executive Engineer, OLIC, Sundargarh/ Rourkela/ Executive Engineer, PHED, Rourkela/Executive Officers of Urban Local Bodies of the district/ DI & PRO, Sundargarh/ Rourkela for information and with a request to display this Tender Notice in their respective office Notice Board for wide publication.

Copy to Addl. P.D.(Tech.), DRDA, Sundargarh/ Asst. Director, OREDA, DRDA, Sundargarh/ Asst. P.D.(Finance), DRDA, Sundargarh/ Asst. P.D.(RH), DRDA, Sundargarh/ Junior Engineer(Estimator), DRDA, Sundargarh/Cashier, DRDA, Sundargarh/ DMF Cell, Sundargarh/ Notice Board of DRDA, Sundargarh for information & necessary action.

  
Collector-cum- Chairperson  
DMF, Sundargarh

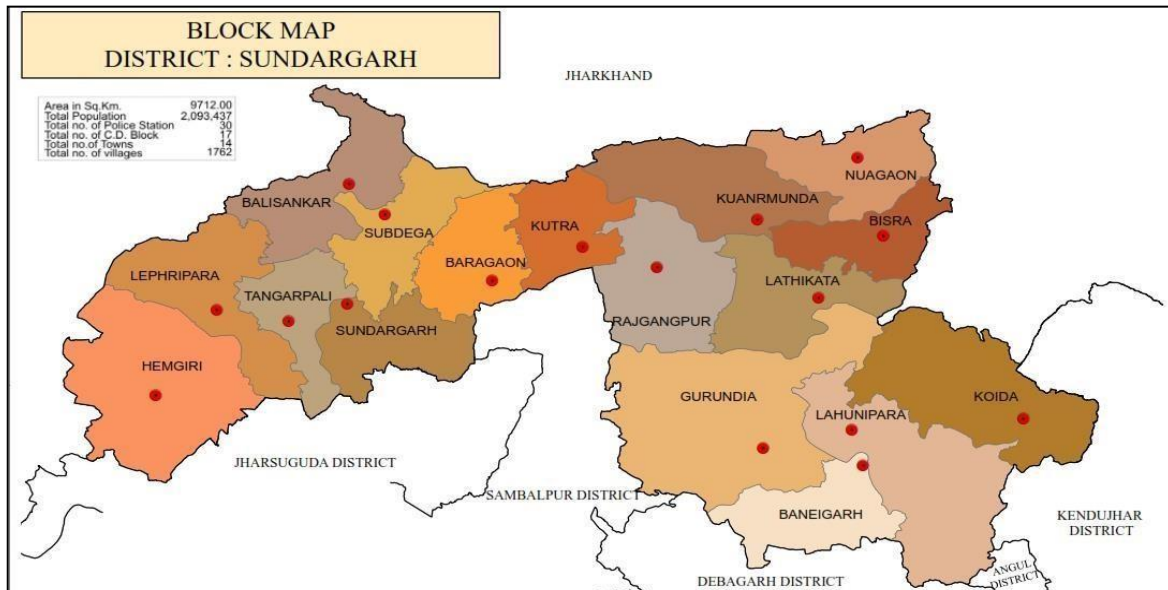
## **ABOUT THE DISTRICT**

Before venturing the project for the district, it is necessary to know various features and other information in respect of the district. Accordingly, brief history, geography and administrative setup of the district are discussed under. Before Implementation of the project, it is customary to understand about the district, its people and their activities.

Sundargarh, one of the border districts of Western Orissa, geographically extends over the North Western portion of the state and is located between 21° 35 and 22° 32 N latitudes and 83° 32 and 85° 22 East longitudes.

January 1948 out of the two ex-states of Gangapur and Bonai which merged with Odisha on that day Sundargarh district has about 43% of the entire landmass under forest. With numerous colorful tribes dotting its landscape and with abundant mining potential sitting pretty over vast tracts of the Chhotanagpur Plateau regions, the district offers great mining potentialities and mosaic of rich cultural heritage. The district is bounded by Ranchi district of Jharkhand on the north, Raigarh district of Chhattisgarh on the west and north-west, Jharsuguda, Sambalpur and Anugul districts of Odisha on the south and south-east and Singhbhum district of Jharkhand and Kendujhar district of Odisha on the east.

The Collector and District Magistrate is the administrative head of the district. For smooth running of administration, he is assisted by Additional District Magistrate, Sub-Collector, Block Development Officers, Tahasildars, Deputy Collectors, and other Officers. Sundargarh consists of three Sub-Divisions viz. Sundargarh, Panposh and Banei. One Sub-Collector is in charge of each Sub-Division. For the convenience of revenue administration, the district is divided into 18 tahasils namely Sundargarh, Hemgiri, Lephripara, Balisankara, Rajagangapur, Biramitrapur, Panposh, Raurkela, Banei, Tangarpali, Subdega, Baragaon, Kutra, Lathikata, Bisra, Koida, Gurundia and Lahunipara with one Tahasildar in charge of each tahasil. For development of rural areas consisting of 1779 villages in 262 Gram Panchayats, the district is divided into 17 Community Development Blocks with one Block Development Officer in charge of each Block. The Community Development Block wise number of Panchayats and villages are given below:



Sundargarh Block of Sundargarh district has total population of 74,134 as per the Census 2011. Out of which 36,813 are males while 37,321 are females. In 2011 there were total 18,708 families residing in Sundargarh Block. The Average Sex Ratio of Sundargarh Block is 1,014. As per Census 2011, all of the population of Sundargarh Block lives in urban areas. The average literacy rate in urban area is 70.7% The population of Children of age 0-6 years in Sundargarh Block is 8401 which is 11% of the total population. There are 4243 male children and 4158 female children between the age 0-6 years. Thus, as per the Census 2011 the Child Sex Ratio of Sundargarh Block is 980 which is less than Average Sex Ratio (1,014) of Sundargarh Block. The total literacy rate of Sundargarh Block is 70.7%. The male literacy rate is 70.26% and the female literacy rate is 55.23% in Sundargarh Block.

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## **Part 1 (Technical Bid)**

## **SECTION 1 GENERAL INFORMATION**

### **1. CHECKLIST FOR SUBMISSION OF BIDS**

- 1.1 The bidders should read all the instructions, terms & conditions, contract clauses, nomenclature of items, specifications etc. contained in the tender documents very carefully, before quoting the rates.
- 1.2 The bidder shall quote the rate for complete scope of work for construction both in words and figures in the financial bid. Part bid/tender shall not be allowed and such part bid/tender shall be treated as disqualified.
- 1.3 The bidder shall quote his rates keeping in mind the scope of work, specifications, terms & conditions, additional conditions and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified.
- 1.4 The bidder shall also furnish Performance Guarantee of 3% of the work order amount in addition to the other deposits mentioned elsewhere in this document for proper performance of the agreement. The Performance Guarantee shall be in the shape of FDR or Bank guarantee as per Performa given in Annexure-V enclosed. 50% of the performance guarantee shall be released after completion of work and balance will be released after 1 year of successful completion of work. However, this part of performance guarantee will be released against Bank the Guarantee which will be kept valid time to time by the bidder as per the direction of the Engineer-in-charge.
  - i. The bidder shall quote their rates considering all prevalent taxes/Cess like GST, Labour Cess or any other tax on material/work as applicable as per the Government norms and nothing extra shall be paid to the Agency on this account.
  - ii. The tender, which is not duly signed by authorized signatory or is conditional shall be treated as non-responsive and shall be summarily rejected.
  - iii. The District Administration may not allow the labour camps if not feasible, at site and therefore Agency, in that case, has to make his/their arrangement for the stay / transportation at his/their own cost.
  - iv. All measures as per guidelines issued by Govt. from time to time, needs to be followed by Agency. The Agency's rate deems to all-inclusive and nothing extra shall be paid to the Agency on these accounts.
  - v. The arrangement of water suitable to construction works as well as other usage i/c testing of equipment will be arranged by the Agency at site at his own cost from. The Agency will obtain necessary permission from client with test result of water from source proposed by Agency duly chemical testing report i/c pH value. The department will get independent physical and chemical testing of such source at an interval of every four months Power supply required for construction; testing & commissioning shall have to be arranged by the bidder at his own costs.
  - vi. GST Registration Certificate in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the state in which the work is to be taken up, or as required by GST authorities, then in such case the bidder shall scan and attached following undertaking on a non-judicial stamp paper of appropriate value along with other bid documents.

vii. Withdrawal Substitution and Modification of Bids:

- Bidder can withdraw and modify the bid till bid submission end date.

## **2. Brief Scope of Work**

### **2.1 Introduction to Project**

- i. The present tender is for Engineering, Procurement and Construction (EPC) of interior works, Furniture work , Internal Electrification with 3-year AMC including wooden partitions, facades, cabinets., fixed cupboards, storages (normal storage & compactors etc.), flooring (wherever applicable), wall paneling, false ceiling, blinds, Centralized AC , Sound system ,white boards, tack boards, skylights, glazing work, aluminum work, fabrication work, signage, complete reception arrangements etc. for different institution of Sundargarh .
- ii. Being an EPC tender, the bidder is advised to work out the detailing as per requirement given in tender documents and considering the same along with the relevant IS codes, NBC-2016, Latest OPWD specification and latest technology etc. Indicative Items of various works covered under scope of work in this tender are given below for reference purpose only. The bidders, before quoting the tender are deemed to have ascertained/verified/worked out all the items from site inspection for complete scope of work. No claim whatsoever on account of any discrepancies, changes in nomenclature, variation, addition, alteration, modification, left over items etc. shall be entertained by the DMF Sundargarh. The Agency is required to execute all the works/items and quantities as per Scope of work based on Site Execution, Drawings & whatever is essential for successful completion of the project and the bidder's quoted rates are deemed to include everything as mentioned and including testing, commissioning & handing over of the completed project, defect liability period and Operation and Maintenance period (if applicable). In case of contravention of stipulation of this clause from any other clause/provision elsewhere in the tender document, then this clause shall have superseding effect to the extent of contravention and decision of Authority shall be final & binding on the EPC Agency.
- iii. The Bidder has to take care (i.e., not to damage) the existing flora and fauna in the campus if any, during execution of the works.
- iv. The scope of work, within quoted cost, also includes the following apart from the mentioned details elsewhere in Financial Bid.
- v. The drawings/layout /working details etc. for the Interior works shall be prepared by the bidder through a reputed Interior Design Consultant, and approval shall be obtained from the DMF Sundargarh before execution.
- vi. Bidder has to arrange temporary electric connection either from state electricity board or through own DG set as applicable situation, for the execution of the Interior works. No extra claim for the same shall be entertained.

vii. The Specification, drawings and documents attached in the tender are for adhering to minimum requirement of project reference which is indicative and not exhaustive. Bidder has to work out with reference to details provided in scope, and drawings in the tender document for quoting their rates. No claim whatsoever will be entertained at a later stage in this regard.

## **2.2 Broad Milestones under Scope of Work**

- i. The EPC Agency shall prepare of all designs/drawings, Design Basis Report (DBR) conforming to the relevant building bye laws/statutory provisions.
- ii. The Agency/Agency shall give the presentation of Interior design to collector & chairperson, DMF Sundargarh for approval from competent authority.
- iii. Upon obtaining approval of the concept design the agency shall carry out structural design wherever applicable and obtain approval and based on the approved designs prepare the working/GFC Drawings for execution of work.
- iv. All the technical component drawings shall be vetted by the Design Consultant after acceptance from the DMF Sundargarh.
- v. Project Management of the work including day to day supervision during execution
- vi. The specialized works shall be done by reputed agencies that have experience of work with high standards and having statutory registrations.
- vii. The Bidder may recommend any innovative, sustainable, environmental friendly, easy for installation substitute item having minimum same standards as per relevant code mentioned in tender document
- viii. The Agency shall complete the project as per the broad specifications which are given in the Preliminary Estimates.
- ix. The Successful Bidder shall hand over the completed work including the As Built Drawings in soft as well as hard copies, a detailed maintenance manual, warranties if any and all other relevant documents. The Agency/agency shall provide three sets of completion drawings as built to the concerned department at the time of handing over of completed works.
- x. Submission of Completion Certificate duly issued by the Project Engineer and the Architect that the work has been executed as per the approved architectural/ structural drawings and as per terms of the contract along with the final bill
- xi. The Bidder shall indemnify and keep indemnified DMF Sundargarh against all losses and claims for injuries or damages to any person or any property whatsoever which may arise out of or in consequence of the construction against all claims, demands, proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto
- xii. On completion of the work, the Bidder shall clear away and remove from the site all constructional plants and machines surplus materials, rubbish and temporary works of every kind and leave the whole of the site and works, to the satisfaction of Authority.

### **Note:**

- a. The Successful Bidder shall handover all warranty & original certificates, servicing manuals, company routine maintenance etc. for future operation & maintenance well within time limit under the Agency's Scope of Work.
- b. The scope of above work shall be as per attached Annexure
- xiii. Though mentioned above, the scope of the work is not limited strictly to the areas/units mentioned, but is required to be carried out at any other locations other than those mentioned above as directed by the DMF.
- xiv. Supply of manpower with tools and tackles etc., along with supervision to carry out the miscellaneous jobs as directed by the DMF.
- xv. All the jobs given to the agency shall be taken up on priority basis without any delay by mobilizing all the resources immediately at site.

- xvi. If the job is delayed beyond the given schedule, DMF shall be at its discretion to execute job through any other suitable agency at the risk and cost of the original agency.
- xvii. The equipment's will carry three years on site comprehensive warranty. Warranty period will start from the date of successful installation of all the items at site.
- xviii. All Sundry equipment's/fittings, assemblies, accessories, hardware items, foundation bolts, supports, termination lugs for electrical connections, cable glands, cable trays, junction boxes and all other sundry items for proper assembly and installation of the Various equipment's and components of the work shall be deemed to have been included in the tender, irrespective of the fact that whether such items are specifically mentioned in tender document or not.

### 3. Information & Instructions to Bidders for Tendering

3.1 The Collector-cum-Chairperson, District Mineral Foundation (DMF) Sundargarh, invites offline composite bids on Engineering Procurement Construction (EPC) basis from reputed firms fulfilling the set eligibility criteria, in two bid system (Technical Bid/Eligibility Bid & Financial bid) for following work.

<b>RFP No-DMF/SNG/04- 2022-2023</b>	
Name of Work	<b>“Selection of agency for execution of Interior &amp; Furnishing work in different buildings with 3-year AMC in Sundargarh District”</b>
Earnest Money	Rs. 5,00,000.00 (Five Lakh Only) in favour of CEO, DMF, Sundargarh
Performance Guarantee	3% of Work order Value ( submit before signing of agreement )
Tender Bid Fee	Rs. 10,000.00 (Ten Thousand Only) in favour of CEO, DMF, Sundargarh
Time Allowed	Project completion period 4 month from date of work order against approved conceptual plan from customer, however time designated for getting approval of conceptual plan will be 30 days.
Pre-bid queries	Bidders should send all their queries by email on or before Date – 11-05-2022 upto 4.00 pm, to <a href="mailto:dmfsundergarh@gmail.com">dmfsundergarh@gmail.com</a>
Last Date of Submission of Tender Date & Time	23-05-2022 up to 5:00 P.M.

#### 3.2 The bid submitted shall become invalid, if:

- i. The bidder is found ineligible.
- ii. The bidder does not deposit original EMD
- iii. The bidder submits part bids/tender
- iv. The bidder does not Submit all the documents (including GST Registration) as stipulated in the bid document
- v. If any discrepancy is noticed between the documents as submitted
- vi. If a tenderer quotes nil rates against any item of work of tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
- vii. The bidder whose bid is accepted will be required to furnish performance guarantee of 3% (Three Percent) of the agreement amount within the period specified in Schedule F in the

form of Demand Draft of any scheduled bank/Term Deposit Receipts or in accordance with the prescribed form. In case the Agency fails to deposit the said performance guarantee within the period as indicated in tender, including the extended period if any, the Agency will be debarred from tendering in District Mineral Foundation, Sundargarh as per the undertaking submitted by the bidder.

- viii. The bidder will also be required to furnish copy of **labour licenses, registration with EPFO, ESIC.**
- ix. The intending bidder must read the terms and conditions of the RFP carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required

### **3.3 Information and instructions for bidders posted on website shall form part of bid document.**

- i. The bid document consisting of plans, specifications, items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen from website [https://sundergarh.nic.in/notice\\_category/tenders/](https://sundergarh.nic.in/notice_category/tenders/)
- ii. **Certificate of Financial Turnover:** At the time of submission of bid, bidder shall attach certificate from CA mentioning Financial Turn Over of last 3 years or for the period as specified in the bid document duly certified by the chartered accountant.
- iii. The eligibility (Technical) bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of bidders qualifying the eligibility (Technical) bid shall be communicated to them.
- iv. All modifications/addendums/corrigendum issued regarding this bidding process, shall be uploaded on website only and shall not be published in any Newspaper. Therefore, prospective bidders must see the website regularly for any update
- v. The DMF reserves the right to reject any prospective application without assigning any reason thereof.
- vi. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in DMF Sundargarh. The DMF Sundargarh reserves the right to verify the particulars furnished by the applicant independently.
- vii. Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. Bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at its own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
- viii. Any dispute arising out of this tender including dispute shall be subject to the jurisdiction of courts of Sundargarh Court only.

### **3.4 GENERAL GUIDELINES & TERMS AND CODITIONS FOR BIDDERS**

#### **3.4.1 General**

- i. Letter of transmittal and forms, terms and conditions for deciding eligibility are given in this

- tender document.
- ii. All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. In case no information is to be provided in a particular column, “nil” or “no such case” or “not available” entry should be made in that column. If any particulars/query is not applicable in case of a bidder, “not applicable” shall be mentioned against such particular/query.
  - iii. The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the tender being summarily disqualified and rejected entitling the Owner to take suitable action as per Bid Security Declaration form and forfeit Tender Processing Fee without any further notice to the bidder. Tenders received late shall not be entertained and returned unaccepted.
  - iv. The bidder should sign each page of application.
  - v. Overwriting should be avoided. Corrections, if any, should be made by neatly crossing out, initiating, dating and rewriting. Pages of eligibility criteria are numbered. Additional sheets, if any added by the bidder, should also be numbered by him. They should be submitted as a package with signed letter of transmittal.
  - vi. The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete the envisaged Work. Bidders are, however, advised not to furnish any superfluous information.
  - vii. It is desirable that the bidder is not contesting or defending any legal proceeding before a court of law or tribunal or quasi-judicial or administrative authority (“Legal Proceedings”). The bidder must submit information of all on-going Legal Proceedings and for the past three (3) years. In the event the bidder has not been subject to any such Legal Proceedings either in process or in the past three (3) years, an affidavit to this effect, duly notarized shall be submitted in original.
  - viii. Any information furnished by the bidder found to be incorrect either immediately or at a later date, shall render such bidder liable to be debarred from tendering/taking up of the Work.
  - ix. The bidder shall not have been blacklisted/debarred by any State/Central Government Department or Public Sector Undertaking or any autonomous body. The bidder shall submit a duly notarized affidavit, stating on oath that the bidder has not been blacklisted. Applications received without such affidavit in original shall stand automatically rejected. (Form E)
  - x. The **Contract** means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent and the Successful Bidder, hereinafter called Agency, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-Charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
  - xi. If the bidder is a limited company or a corporation, the application for submitting tender shall be signed by a duly authorized person holding power of attorney for signing the application

- accompanied by a copy of the power of attorney. The bidder shall also furnish a notarized copy of the Memorandum and Articles of Association of the company.
- xii. The Rate contract shall be valid initially for a period of two year,
  - xiii. Item Rate- the bidder shall quote his own rates for Item rates.
  - xiv. The Agency is bound to carry out the all the work specified in bid document and also bound to carry out additional (Extra quantity), work at the same rates as are specified in the contract for the work for a period of two year from the date of agreement.
  - xv. Price to be filled in the relevant field of Price Format provided with tender.
  - xvi. Vendor will submit the concept plan for approval before execution of work in line with approved items/rates, if design is approved, the order will be awarded to the firm as per the contractual terms and conditions.
  - xvii. Project completion period 4 month from date of order against approved conceptual plan from customer, however time designated for getting approval of conceptual plan will be 30 days from date expression of interest.
  - xviii. Client has rights to select one vendor or multiple vendors for execution of above work.
  - xix. All the electrical work & Firefighting design shall be approved through competent authority.
  - xx. AC & sound insulation shall be approved through competent authority .
  - xxi. Any additional item shall be approved by the client subject to proper justification i.e Cost analysis / market rate / work order issued by Govt. Agencies whichever is less .
  - xxii. Agency has to justify the rate for exceptionally higher / lower rate. If proper justification has not given by the Agency, then authority have reserve right to reject the bid of said Agency
  - xxiii. No claim on account of any Price Variation / Escalation on whatsoever ground shall be entertained at any stage of works. All rates as per Bill of Quantities (BOQ)/Price-Bid quoted by Agency shall be firm and fixed for entire contract period as well as extended period for completion of the works. No escalation/price variation clause shall be applicable on this contract.
  - xxiv. The Agency shall comply with all the provisions of the Minimum Wages Act, 1948, Contract Labour Act (R&A) 1970, and rules framed thereunder and other labour laws/local laws affecting contract labour that may be brought into force from time to time.
  - xxv. No idle charges or compensation shall be paid for idling of the Contractor's labour, staff or Plant & Machinery etc. on any ground or due to any reason whatsoever. DMF will not entertain any claim in this respect.
  - xxvi. Wherever any reference is made to any IS in any particular specifications, Drawings or Bill of Quantities, it means the Indian Standards editions with the amendments current at the last date of receipt of Tender Documents.
  - xxvii. The execution of the work may entail working in the monsoon also. The Agency must maintain labour force as may be required for the job and plan and execute the construction and erection according to the prescribed schedule. No special/ extra rate will be considered for such work in monsoon. The Contractor's rate shall be considered inclusive of cost of dewatering required, if any and no extra rate shall be payable on this account.

xxviii. NO COMPENSATION FOR FORECLOSURE/CANCELLATION/ REDUCTION OF WORKS

If at any time after the commencement of the work DMF shall for any reason whatsoever is required to abandon the work or does not require the whole work thereof as specified in the Tender to be carried out, the Engineer-In-Charge shall give notice in writing of the fact to the Contractor, who shall have no claim to any payment of compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full, but which he did not derive in consequence of the full amount of the work not having been carried out or on foreclosure, neither shall he have any claim for compensation by reason of any alterations having been made in the original Specifications, Drawings, Designs and Instructions which shall involve any curtailment of the work as originally contemplated.

Provided that the Agency shall be paid the charges on the cartage only of materials actually and bonafide brought to the Site of the work by the Agency and rendered surplus as a result of the abandonment or curtailment of the work or any portion thereof and then taken back by the Contractor, provided however, that the Engineer-In-Charge shall have in all such cases the option of taking over all or any such materials at their purchase price or at local current rates whichever may be less. In the case of such stores having been issued by DMF and returned by the Agency to DMF.

xxix. RESTRICTION ON SUBLETTING

- The Agency shall not sublet or assign the whole or part of the works except where otherwise provided, by the contract and even then only with the prior written consent of DMF and such consent if given shall not relieve the Agency from any liability or obligation under the contract and he shall be responsible for the acts, defaults or neglects of any sub-Contractor, his agents, servants or workmen as full as if they were the acts, defaults or neglects of the Contractor, his agent, servants or workmen provided always that the provision of labour on piece work basis shall not be deemed to be a subletting under this clause.

xxx. PROHIBITION OF UNAUTHORISED CONSTRUCTION & OCCUPATION

No unauthorized buildings, structures should be put up by the Agency anywhere on the project Site, neither any building built by him shall be unauthorizedly occupied by him or his staff.

xxxi. CO-ORDINATION WITH OTHER AGENCIES

Work shall be carried out in such a manner that the work of other Agencies operating at the Site is not hampered due to any action of the Contractor. Proper Co-ordination with other Agencies will be Contractor's responsibility. In case of any dispute the decision of DMF shall be final and binding on the Contractor. No claim whatsoever shall be admissible on this account.

xxxii. MATERIALS PROCURED WITH THE ASSISTANCE OF DMF

If any material for the execution of this contract is procured with the assistance of DMF either by issue from its stores or purchase made under orders or permits or licences obtained, the Agency shall hold and use the said materials economically and solely for the purpose of this contract and shall not dispose them without the written permission of Engineer-In-Charge. The Contractor, if required by DMF, shall return all such surplus or unserviceable materials that may be left with him after the completion of the

contract or at its termination on whatsoever reason.

**xxxiii. ALTERATION IN SPECIFICATION, DESIGN & DRAWING**

The Engineer-In-Charge shall have power to make any alterations in, omissions from, additions to or substitutions for, the original Specifications, Drawings, Designs and Instructions that may appear to him to be necessary during the progress of the work, and the Agency shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Engineer-In-Charge and such alterations, omissions, additions, or substitutions shall not invalidate the contract and any altered, additional or substituted work which the Agency may be directed to do in the manner above specified as part of the work shall be carried out by the Agency on the same conditions in all respects on which he agreed to do the main work.

**xxxiv. ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK**

If it shall appear to the Engineer-In-Charge or his authorized subordinate in charge of the work or to the Chief Technical Examiner or to any other inspecting agency of Government/ State Government/ Owner where the work is being executed, that any work has been executed with unsound, imperfect, or unskillful workmanship or with materials of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted for or otherwise not in accordance with the contract, the Agency shall on demand in writing which shall be made within six months of the completion of the work from the ENGINEER-IN-CHARGE specifying the work, materials or articles complained of notwithstanding that the same may have been passed, Certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own proper charge and cost, and in the event of his failing to do so within a period to be specified by the Engineer-In-Charge in his demand aforesaid, then the Agency shall be liable to pay compensation at the rate of one percent of the estimated amount put to tender for every day not exceeding ten days, while his failure to do so shall continue and in the case of any such failure, the Engineer-In-Charge may rectify or remove and re-execute the work or remove and replace with others, the material or articles complained of as the case may be at the risk and expense in all respects of the Contractor.

**xxxv. COMPENSATION FOR DELAY AND REMEDIES**

If the Agency fails to maintain the required progress in terms and Conditions of Contract, to complete the work and clear the Site on or before the completion date or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to DMF on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below or such smaller amount as the Engineer in charge (whose decision in writing shall be final and binding) may decide on the amount of Work Order value of the work for every completed day / week (as applicable) that the progress remains below that specified or the relevant clause in Conditions of Contract or that the work remains incomplete. This will also apply to items or group of items for which a separate period of completion has been specified.

For works with completion period not exceeding 3 month (as originally stipulated) @ 1% per day

For works with completion period exceeding 3 months (as originally stipulated) @ 1% per week or part thereof

Provided always that the total amount of compensation for delay to be paid under this Condition shall not exceed 10% of the Work Order Value of work or of the Work Order Value of the item or group of items of work for which a separate period of completion is originally given

The amount of compensation may be adjusted or set-off against any sum payable to the Agency under this or any other contract with DMF even after completion of the work.

#### xxxvi. CANCELLATION / DETERMINATION OF CONTRACT IN FULL OR PART

Subject to other provisions contained in this clause, the Engineer-In-Charge may, without prejudice to his any other rights or remedy against the Contract in respect of any delay, inferior workmanship, any claims for damages and / or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in full or in part in any of the following cases:

- a) If the Agency having been given by the Engineer-In-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkmanlike manner shall omit to comply with the requirement of such notice for a period of seven days thereafter; or
- b) If the Agency has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the ENGINEER-IN-CHARGE (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from the Engineer-In-Charge; or
- c) If the Agency fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that respect by the Engineer-In-Charge; or
- d) If the Agency persistently neglects to carry out his obligations under the contract and / or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that respect by the Engineer-In-Charge; or
- e) If the Agency shall offer or give or agree to give to any person in DMF to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any action in relation to the obtaining or execution of this or any other contract for DMF; or
- f) If the Agency shall enter into a contract with DMF in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the

Engineer-In-Charge; or

- g) If the Agency shall obtain a contract with DMF as a result of wrong tendering or other non-bona-fide methods of competitive tendering; or
- h) If the Agency being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors; or
- i) If the Agency being a company, shall pass a resolution or the Court shall make an order for the winding up of the company, or a receiver or manager on behalf of the debenture holders or otherwise shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or manager; or
- j) If the Agency shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days; or
- k) If the Agency assigns, transfers, sublets (engagement of labour on a piece-work basis or of the labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer sublet or otherwise parts with the entire works or any portion thereof without and prior written approval of the Engineer In-Charge.

When the Agency has made himself liable for action under any of the clauses aforesaid, the Engineer-In-Charge may without prejudice to any other right or remedy which shall have accrued or shall accrue hereafter to DMF, by a notice in writing to cancel the contract as a whole or only such items of work in default from the Contract.

The Engineer-In-Charge shall on such cancellation by DMF have powers to

Take possession of Site and any materials, Construction Plant & machinery, implements, stores, etc. thereon; and/ or

- b) Carry out the incomplete work by any means at the risk and cost of the Contractor; and/ or
- c) To determine or rescind the contract as aforesaid (of which termination or rescission notice in writing to the Agency under the hand of the Engineer-In-Charge shall be conclusive evidence). Upon such determination or rescission the full Retention Money recovered by DMF under the contract and Security Deposit cum Performance Guarantee shall be liable to be forfeited and un-used materials, construction plant & machinery, implements, temporary buildings, etc. shall be taken over and shall be absolutely at the disposal of DMF. If any portion of the Retention Money has not been received or recovered by DMF from RA Bills, it would be called for and forfeited; and/ or

d) To employ labour and to supply materials, equipment to carry out the work or any part of the work debiting the Agency with the cost of the labour and the price of the materials, equipment rentals (of the amount of which cost and price certified by the Engineer-In-Charge shall be final and conclusive) against the Agency and crediting him with the value of the work done in all respects in the same manner and at the same rates as if it had been carried out by the Agency under the terms of his contract. The certificate of the Engineer-In-Charge as to the value of the work done shall be final and conclusive against the Agency provided always that action under the sub-clause shall only be taken after giving notice in writing to the Contractor. Provided also that if the expenses incurred by the DMF are less than the amount payable to the Agency at his agreement rates, the difference shall not be paid to the Contractor; and/ or

e) After giving notice to the Agency to measure up the work of the Agency and to take such whole, or the balance or part thereof as shall be unexecuted or delayed with reference to the General Conditions of Contract and/ or relevant clause of Additional Conditions of Contract, out of his hands and to give it to another Agency to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Agency if the whole work had been executed by him (of the amount of which excess the certificate in writing of the Engineer-In-Charge shall be final and conclusive) shall be borne and paid by the original Agency and may be deducted from any money due to him by DMF under his contract or on any other account whatsoever or from his Retention Money, Security Deposit cum Performance Guarantee or the proceeds of sales of unused materials, construction plants & machinery, implements temporary buildings etc. thereof or a sufficient part thereof as the case may be. If the expenses incurred by DMF are less than the amount payable to the Agency at his agreement rates, the difference shall not be paid to the Contractor; and/ or

By a notice in writing to withdraw from the Agency any items or items of work as the Engineer-In-Charge may determine in his absolute discretion and get the same executed at the risk and cost of the Contractor

### **3.5 Requirement of Technical Staff**

The bidder shall deploy sufficient number of technical and administrative employees for smooth execution of the Work. However Minimum Technical Staff to be deployed at site at all times during the execution of the work will be as per following table. The bidder shall submit a list of employees stating clearly the responsibility to be assigned to each of such employees. Further, the bidder shall have the capability and resources to arrange at least 15±10% numbers of skilled and 25±10% numbers of unskilled labourers per day continuously for various stages of the Work. The bidder shall have to demonstrate the capability to arrange such workers and additional numbers as per the requirement assessed by the Engineer-in-Charge for timely completion of various stages of the Work. The capability as claimed by the bidder shall be supported by the past performance and an undertaking.

Technical Staff	Requirement of Technical staff		Minimum experience of Execution in work (Years)
	Qualification	Number	
Project Manager	Graduate Engineer/Architect	1	10
Site Engineer (must be deployed within 30 days of issuance of LoA)	Graduate Engineer	1	5
	Diploma Engineer	1	10
Planning Engineer/ Billing Engineer	Graduate Engineer/ Diploma Engineer	1	5
Store In-Charge	Experienced Store Keeper	1	5

**3.6 Final Decision-Making Authority:** The Collector & Chairperson, DMF Sundargarh, hereinafter called as “The Authority”, reserves the right to accept or reject any tender and to annul the process and reject all tenders at any time without assigning any reason thereof or incurring any liability to the bidders. Particulars of the work given in Brief are to be considered Provisional. They are liable to change and must be considered only as advance information to assist the Bidders.

**3.7 Site Visit and examination of works :**The bidder is advised to visit and inspect the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the work. All costs in this respect shall have to be borne by the bidder. ( contact person – Mr. sribastab Patra , Engineer , Contact no. 8249711593/06622-273846)

**3.8 Financial Information:** The bidder shall furnish the Annual Financial Statements for the last three years ending 31<sup>st</sup> March 2021 in “Form A” and Solvency Certificate in “Form B”.

**3.9 Disclosure of Experience:** The bidder shall furnish the List of experience of works successfully completed during the preceding five years (ending previous day of the last day of submission of tenders) in ‘Form C’.

**3.10 Organization Information:** The bidder shall be required to submit the information in respect of its organization in Form D.

**3.11 Letter of Transmittal:** The bidder shall submit the Letter of Transmittal in the format as prescribed in this document.

**3.12 Opening of the Financial Tender:** After evaluation of applications, a list of short-listed agencies will be prepared. Thereafter, the financial tenders of only the qualified and technically acceptable bidders shall be opened at the notified time, date and place in the presence of the qualified bidders or their representatives. The validity of the tenders shall be 90 (Ninety) days and shall be reckoned from the date of opening of the Technical Tender.

### **3.13 Award Criteria**

- i. “The Authority”, reserves the right, without being liable for any damages or any obligation to inform the bidder, to:
  - a) Amend the scope and value of Work to the bidder.
  - b) Reject any or all of the applications without assigning any reason.
- ii. Any effort on the part of the bidder or his agent to exercise any influence or to pressurize the committee members shall result in rejection of his tender. The DMF Sundargarh clarifies that any kind of canvassing or any act of similar nature is expressly prohibited.

### **3.14 Signing of Contract Agreement**

- i. The successful bidder shall have to furnish Performance security and additional performance security, if any and sign the contract agreement within 15 days of issue of LOA.
- ii. The signing of contract agreement shall be reckoned as intimation to commencement of work. No separate work order shall be issued by the Employer to the Agency for commencement of work.
- iii. In the vent of failure of the successful bidder to submit Performance Security and additional performance security, before signing of Contract Agreement, his EMD shall stand forfeited without prejudice to the right of the employer for taking action against the bidder

### **3.15 Errors & Rectification**

- i. Arithmetical errors will be rectified on the following basis: “If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.

Note: The rates finalized through this bidding process shall be valid for two years (24 months) from date of signing the Contract with the successful bidder,

### **3.16 Special Conditions of Contract [SCC]**

- i. For customized furniture, list of approved brand is attached along with the document, Annexure 'E'. Agency shall use the material in accordance with the approved material & approved mention brand authorization from the manufactures.
- ii. Defect liability period shall be three years from the date of handing over/Completion of the work. Any damage/defect found during this period should be rectified /replaced within 24 hrs of its intimation in writing to the firm/company. In General Company/ Firm would maintain a stock of spare parts of all furniture supplied and deploy a staff for maintenance as and when required. In case of failure of rectification/replacement the Engineer-in-charge will rectify/replace the furniture and the cost so incurred will be recovered from the Performance Security Deposit of the firm/ company.
- iii. All materials should conform to relevant standards and codes of BIS.
- iv. Materials with I.S.I. mark shall be used duly approved by the Engineer in charge.

- v. The Agency will have to produce original certificate (Warranty/ Guaranty) from the manufacturer and submit it to the Department.
- vi. The Electrical work shall be executed only through A Class Electrical Contractors Govt. of Odisha.
- vii. The bidder shall have to arrange Plant /Factories/ Site visit of the authorized technical committee members on their own cost to evaluate their Quality of work production/manufacturing capabilities as a precondition for eligibility
- viii. Any item of same specification if available in MKT, than rates will be compaired and whichever is less has to be accepted by the tenders
- ix. Agency shall arrange the visits of the employer or his authorized representative to the plant during progress of work for regular quality check at his cost.
- x. Random testing of materials at the site of work shall be the responsibility of the contractor. The employer has the right to reject any or all the furniture if not found as per specifications as per provisions of contract agreement.
- xi. Debris removal is responsibility of the Agency from site of work.
- xii. Quoted rates shall be inclusive of all leads and lifts upto 5th floor level.
- xiii. All the labourers /workers shall follow mandatory safety rules and required Equipment sets shall be provided by the Agency at his cost.
- xiv. Water and electricity shall be arranged by the Agency himself at his cost.
- xv. Site meetings shall be arranged by the Agency at his cost, whenever called for by the employer.
- xvi. Action where there is no specification, the decision of the Client shall be final where there is no specification specified for any item/ work
- xvii. Samplings of material/item shall be approved from the engineer in charge for interior furnishing, furniture supply & electrical works, before providing & supplying the same at site.

**3.17 COMPLETION PERIOD:** The work should be completed within 04 months starting from 01 week from the date of issue of work order or the date on which Agency takes the possession of site, whichever is earlier.

**3.18 Delay and Extension of Time:**

- i. If, in the opinion of the DMF the works be delayed
  - a) by force majeure or
  - b) by reason of any exceptionally inclement weather or
  - c) by reason of proceedings taken or threatened by the dispute with adjoining or neighboring owners or public authorities arising otherwise than through the Agency's own default or
  - d) by the works or delays of other Agencies or tradesmen engaged or nominated by the DMF and not referred to in the Schedule of Quantities and/or Specifications or
  - e) by reason of DMF 's instructions, or

- f) by reason of civil commotion, local commotion of workmen or strike or lockout affecting any of the building trades or
- g) in consequence of the Agency not having in due time necessary instructions from the DMF for which he shall have specifically applied in writing, ahead of time, giving the DMF reasonable time to prepare such instructions, the DMF shall make a fair and reasonable extension of time for completion of the Contracted works. In case of such strike or lockout, the Agency shall, as soon as may be, given written notice thereof to the DMF, but the Agency shall nevertheless constantly use his endeavors to prevent delay and shall do all that may reasonably be required to the satisfaction of the DMF to proceed with the work. The Agency shall take all practicable steps to avoid or reduce any delay in the execution and completion of the works arising out of
  - i. Force Majeure
  - ii. Exceptionally inclement weather
  - iii. Loss or damage by fire and earthquake
  - iv. Civil commotion, lockout, strike etc.
  - v. DMF's Instructions, as the case may be
  - vi. Delay on the part of the nominated Sub-Agency or nominated supplier
  - vii. Delay on the part of the other Agency employed by the DMF

I/we accept all the above Terms and Conditions in all respects without any reservation.

3.19 The Tender quotation is on Item Rate basis.

3.20 Bidders are advised to visit the district at their cost, conduct survey of existing conditions so as to familiarize themselves with the site conditions, nature of works etc. and get all clarifications as may be necessary from DMF before quoting the rates.

3.21 Rates should include for removal of debris out of premises to the safe Municipal limits, removing stains, cleaning the site thoroughly and unless the same is done to the satisfaction of the DMF, the bill will not be accepted.

3.22 Quantities mentioned in the schedule of quantities may vary to any extent or may be deleted without assigning any reasons and as such, the rates quoted should be firm, workable, reasonable and should include all kinds of Taxes, Duties, Work Contract Tax, Octroi, GST etc. as applicable, overheads and profit etc. No separate charges for carriage or labour would be made. There is no question of extra payment above the quoted rate under any circumstance. In case of any variation in quantity or value, the same will not be made as a subject matter for dispute by the bidder.

3.23 No escalation shall be allowed on the rates of this contract.

3.24 The Agency shall at the instructions of the DMF within such time as notified, open up for inspection any

work and should the Agency refuse or neglect to comply with such instructions, the DMF may employ other workman to open of the same. Such work if it is found not in accordance with approved specifications, or the instructions, expenses of opening up and redoing if required shall be borne by and recoverable from the Agency from any money due or which may become due to the Agency.

- 3.25 The successful tenderer is bound to carry out any or all items of work necessary for the completion of the job even though such items are not included in the quantities and rates
- 3.26 The Successful Bidder shall make necessary arrangement for watch and ward.
- 3.27 The bidders should quote their rates strictly adhering to Terms and Conditions stipulated in the Tender Document. Unsolicited correspondence after opening of the Tender shall not be entertained.
- 3.28 Rates should be filled in the Bidders Schedule of Quantity in the Price –Bid neatly and no correction shall be made. Corrections, if any should be duly authenticated by the signing authority. The rates quoted should be written legibly in words.
- 3.29 No advance shall be paid towards mobilization and cost of materials.
- 3.30 No compensation shall be admissible for any loss suffered by the Agency during the execution of the work. It shall be the Agency's sole responsibility to protect DMF's staff, his employees and property against accidents from any cause and he shall indemnify DMF against any claims for damage for injury to person or property, resulting from any such accidents with necessary Insurance cover.
- 3.31 Any damages caused to the building / premises during the execution of the work shall be made good by the Agency at his risk and cost and if necessary, through suitable Insurance cover.
- 3.32 The Successful Bidder has to make his own arrangement of stay for his employees.
- 3.33 The Successful Bidder shall use necessary safety equipment and maintain all safety measures during the execution of works and ensure compliance of Safety Code as per Rules and Regulations in force.
- 3.34 The Successful Bidder shall engage necessary qualified and experienced supervisory staff at his cost during the execution of the work for attending to day-to-day affairs
- 3.35 Notwithstanding anything stated above, DMF reserves the right to assess the bidder's capability and capacity to perform the contract, should the circumstances warrant such assessment in the overall interest of DMF.
- 3.36 The decision of DMF in awarding the work shall be final and cannot be subjected to arbitration.
- 3.37 DMF reserves the right to accept / negotiate / reject any Quotation either in whole or in part without assigning any reasons therefore whatsoever and without entering into any further correspondence and hence, DMF shall be under no obligation to accept the lowest or any other Quotations received in response to this tender . The decision of DMF in this regard shall be final and indisputable.
- 3.38 DMF also reserves the right of supersession of any of the conditions stipulated in the tender Document.
- 3.39 The Successful Bidder shall require shifting some of the furniture, electrical items, etc., to some other places within the office premises during the time of work and may also be required to place them in the

appropriate place after completing the work. No extra payment will be made for those works.

3.40 There will be other works being carried out by various agencies in the said office premises. Hence Care should be taken not to damage any other works and also to coordinate with the other work agencies.

3.41 **Testing of Materials:** The agencies are required to submit samples of various materials, items, fittings, etc for the approval of the DMF. The materials of brand names, if any, given in the contract shall only be selected.

3.42 The bill has to be submitted by the agencies as early as possible after the completion of the work along with completion of recording. However, “The Authority” shall also ensure part payment to the successful bidder based on the check bills for the works completed by the successful bidder within 15 days from the date of submitting the bills by the successful bidder.

3.43 Co-ordination and Monitoring: The Agency’s site supervisor/ engineer will be coordinating and monitoring the project and report the progress to DMF on weekly basis.

3.44 Idle Labour Clause:

- i . In case the proposed work is held up for any site conditions not attributable to the Agency or for any decisions/ instructions/ want of details from DMF or for any of the untoward situation, the Agency shall be allowed reasonable extension of time by the DMF but any additional/ extra claim for payment to idle labour/ tools/ establishment/ plant etc, during this period shall not be the liability of the DMF. The quoted rates should include for all such contingencies.
- ii . Whatever the reasons be, no claim for idle labour, additional establishment, cost of labour charges of tools and plants would be entertained under any circumstances.

3.45 **Authority’s Right to Enhance Scope of Work for addressing future requirements of the District:** The Authority shall reserve the right to further enhance the Scope of Work as part of the contract signed between the Authority and the Successful Bidder to address the future requirements of the district based on the mutual consent of the Authority and the Successful Bidder. This shall be taken into account in the larger interest of the District.

3.46 **Settlement of Disputes and Arbitration:** All disputes or differences of any kind whatsoever which shall at any time arise between the parties hereto touching or concerning the works or the execution or maintenance thereof this contract or effect thereof or to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination foreclosure or breach of the contract (other than those in respect of which the decision of any person is by the contract expressed to be final and binding) shall after written notice by either party to the contract to the other of them and to the Employer hereinafter mentioned be referred for adjudication to a sole Arbitrator to be appointed as hereinafter provided.

### 3.47 SAFETY CODE

- i. The Successful Bidder shall follow the safety codes as per IS-5216-1982 while carrying out the electrical work.
- ii. First-aid appliances, including adequate supply of sterilized dressings and cotton wool, shall be maintained in a readily accessible place.

- iii. The injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization.
- iv. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from ground.
- v. No portable single ladder shall be over 8 meters in length, the width between the side rails not less than 30 cm (clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used, an extra labour shall be engaged for holding the ladder.
- vi. The excavated material shall not be placed within 1.5 meters of the edge of the trench or half of the depth of the trench, whichever is more. All trenches and excavations shall be provided with necessary protection of minimum height of one meter.
- vii. Every opening in the floor of a building or a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be one metre.
- viii. No floor, roof or other part of the structure shall be so over-loaded with debris or materials as to render it unsafe.
- ix. Workers employed on mixing and handling material such as asphalt, cement, mortar or concrete and lime mortar shall be provided with protective footwear and rubber hand gloves.
- x. Those engaged in welding works shall be provided with welder's protective eye shields and gloves.
- xi. No paint containing lead or lead products shall be used except in the form of paste or readymade paint.
- xii. Suitable face masks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
- xiii. Hoisting machines and tackles used in the work, including their attachments, anchorage and supports shall be in perfect condition.
  
- xiv. The ropes used in hoisting or lowering material or as a means of suspension shall be of durable quality and adequate strength and free from defects.

### **3.48 Suspension of Work**

- i) The Agency shall, on receipt of the order in writing of the DMF Sundargarh (whose decision shall be final and binding on the contractor) suspend the progress of works or any part thereof for such time and in such manner as DMF Sundargarh may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of following reasons.
  - a) On account any default on the part of the contractor, or
  - b) for proper execution of the works or part thereof for reasons other than the default of the contractor, or
  - c) for safety of the works or part thereof. The Agency shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the DMF Sundargarh
- ii) If the suspension is ordered for reasons (b) and (c) sub-para (i) above: the Agency shall be entitled to an extension of time equal to the period of every such suspension. No compensation whatsoever shall be paid on this account.

### **3.49 Action when the whole Security Deposit is forfeited**

In any case in which under any clause or clauses of this contract, the Agency shall have rendered himself liable to pay compensation amounting to the whole of his security deposit the DMF shall have the power to adopt any of the following course as they may deem best suited to the interest of the district

- a) To rescind the contract (of which rescission notice in writing to the Agency by the DMF shall be conclusive evidence) and in which case the security deposit of the Agency shall be forfeited and

- b) To measure up the work of the contractor, and to take such part thereof as shall be unexecuted, out of his hands, and to give it to another Agency to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor, if the whole work had been executed by him (of the amount of which excess the certificates in writing of the DMF shall be final and conclusive) shall be borne by original Agency and may be deducted from any money due to him by DMF under the contract or otherwise, or from his security deposit or the proceeds of sale thereof, or sufficient part thereof. In the event of any of above courses being adopted by the DMF the Agency shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any material or entered into any engagements or make any advances on account of, or with a view to the execution of the work or the performance of the contract and in case the contract shall be rescinded under the provision aforesaid, the Agency shall not be entitled to recover or to be paid any sum or any work thereto for actually performed under this contract, unless, and until the DMF will have certified in writing the performance of such work and the value payable in respect thereof, and he shall only be entitled to be paid the value so certified.

### **3.50 Owner's Right to Terminate the Contract**

If the Agency being an individual or a firm commit any 'Act of Insolvency' or shall be adjusted an insolvent or being an incorporated company shall have an order for compulsory winding up voluntarily or subject to the supervision of Govt. and of the Official Assignee of the liquidator in such acts of insolvency or winding up shall be unable within seven days after notice to him to do so, to show to the reasonable satisfaction of the DMF that he is able to carry out and fulfill the contract, and to give security therefore if so required by the DMF. Or if the Agency (whether an individual firm or incorporated Company) shall suffer execution to be issued or shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the contractor. Or shall assign or sublet this contract without the consent in writing or shall charge or encumber this contract or any payment due to which may become due to the Agency thereunder:

- a. Has abandoned the contract; or
- b. Has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for 14 days after receiving from the SBI through the SBIIMS written notice to proceed, or
- c. Has failed to proceed with the works with such diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or has failed to remove the materials from the site or to pull down and replace work within seven days after written notice that the said materials were condemned and rejected by the DMF under these conditions; or has neglected or failed persistently to observe and perform all or any the acts, matters or things by this contract to be observed and performed by the Agency for seven days after written notice shall have been given to the Agency to observe or perform the same or has to the detriment of good workmanship or in defiance of the DMF instructions to the contrary subject any part of the contract.

### **3.51 FIRE SAFETY**

- i. Cutting / drilling machine and other electrically operated equipment used at site shall be plugged into correctly rated electrical outlets.
- ii. Only ISI marked 3 pin plug and other appliances and equipment shall be used.
- iii. Electrical power cables/wires used shall not have any joints and shall be properly rated.
- iv. All electrical appliances i.e. welding, drilling, cutting machine etc. shall be safely and securely earthed to prevent leakage current while in operation.
- v. Before commencing the welding work required precautions should be taken.
- vi. Two buckets of water/ sand and a fire cloth of suitable size shall be kept in an easily accessible area on the site.
- vii. Fire extinguishers recommended by fire officers shall be kept on the site.
- viii. Used paint drums shall be stored in specified store only after closing them properly.
- ix. Personal protective equipment such as safety shoes, hand gloves, welder's mask, ear plug etc. depending upon the requirement of the work shall be provided by the Agency to the workmen to prevent occupational health hazards.

- x. The safety belt shall be provided by the Agency and used by the workmen while working from height for more than 10' from Ground level.
- xi. None of the passages near lift lobby and staircases shall be used for stacking / dumping any kind of materials/waste.
- xii. Any debris/ waste generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
- xiii. Battery operated emergency light/torches shall be provided by the Agency to the workmen while working beyond office hours

#### **4. The tender shall be accompanied with the following documents:**

##### 4.1 Tender Documents

- a) Earnest Money deposit in the shape of FDR/DD/Banker cheque and Demand Draft for the Tender Fee shall be placed in a sealed Envelope 1 super scribed as “**Earnest Money deposit and Cost of Tender**” with name of Work and due date of opening of the tender also mentioned thereon.
- b) Copies of certificates of work experience and other prequalifying documents as specified in the RFP shall be deposited in a sealed Envelope 2A super scribed as "**Eligibility Documents**".

All the tender documents comprising of the RFP i.e General terms & condition , Schedule of Quantities, BOQ, Technical Specifications and Tender drawings including all corrigendum/addendum published time to time by the DMF Sundargarh shall be duly signed on each page by the authorized signatory of the bidder, stamped and placed in a sealed Envelope 2B super scribed as “Signed Tender Documents”.

- c) Both the envelopes, Envelop 2A & 2B shall be put in to a large envelop super scribedas “**Envelop 2 Technical Tender**”.
- d) Bill of quantities duly filled in and compiled with rates quoted at par with the rates entered in the Schedule of quantities, total amounts, Work Order (in duplicate) and other relevant commercial information (tender) signed by authorized signatory shall be placed separately in a sealed Envelope 3.
- e) All the three envelopes shall be placed in large, sealed envelope marked as “Selection of agency for execution of Interior & Furnishing work in different buildings with 3-year AMC in Sundargarh District” with due mention of Name of work, date and time of opening of tender.
- f) Technical tender documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money deposit and Tender Fee placed in the Envelope 1 are found in order
- g) Opening of Tender shall be in the following sequence:
  - i) Earnest Money deposit and Tender Fee of which hard copies are placed in Envelope1;
  - ii) Eligibility documents of which hard copies are placed in Envelope2;
  - iii) Financial Tender of which hard copies are placed in Envelope 3, to be opened only for the bidders fulfilling necessary eligibility criteria per this tender document and accepted by Tender Committee. The date of opening of financial tender shall be intimated separately to each

successful/eligible bidders evaluated on the basis of eligibility criteria

4.2 The Agencies are required to submit their full bio-data giving details about their organization, experience, technical personnel in their organization, space capacity, competence and adequate evidence of their financial standing, etc. in the enclosed form (Proforma-1, 2, 3& 4) which will be kept confidential.

- i. If the space in the Performa is insufficient for furnishing full details, such information may be supplemented on separate sheets of paper stating therein the part of the Performa and serial number. Separate sheets shall be used for each part.
- ii. Any letter or document accompanying the Performa shall be submitted in duplicate.
- iii. Tenders containing false and/or inadequate information are liable for rejection.
- iv. While filling up the Performa with regard to the list of important projects completed or on hand, the applicants shall only include those works as mentioned in pre-qualification criteria.
- v. Clarifications if any required may be obtained from the Competent Authority.
- vi. While deciding upon the selection of agencies for participating in the Price bid, emphasis will be given on the ability and competence of applicants to do good quality works within the specified time schedule and in close co-ordination with other agencies, besides the rate structure of the items. Also, emphasis will be given to the applicants who have prior experience of works.
- vii. Decision of the DMF in regard to selection of bidder for selecting them for price bidding will be final. The DMF is not bound to assign any reason therefor.
- viii. Each page of the tender document shall be signed. The application shall be signed by person/persons on behalf of the organization having necessary authorization/Power of Attorney to do so.

4.3 Quantities indicated in the BOQ are only tentative and shall be executed only at the sole discretion of DMF.

4.4 Quoted rates should be workable and reasonable and should include incidental and all overheads and profits. The Agency should furnish Rate Analysis for scrutiny of the rates by DMF, if required.

4.5 Rates should include all Taxes, Duties, Octroi, Levies, Transportation charges, installation charges, Wages as per Act, GST and all other charges 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. Rates for all items of work are deemed to include costs for all operations involved in adhering to the specifications (including the IEE Rules/Regulations of the local licensing Authority CEA of the Fire Insurance/Explosives Authorities, the I.S.S.) Unless there is a provision to the contrary in the schedule of quantities.

- 4.6 Materials used should conform to relevant BIS Codes. BIS and OPWD Specifications and Method of Measurements shall be followed as applicable. However, in the absence of the same and / or in case of any discrepancy, the decision of DMF shall be final.
- 4.7 Income Tax (TDS) and other applicable taxes as per statutory provisions will be deducted from total payment due to the agencies.
- 4.8 ROYALTY ON MATERIALS: The Agency shall deposit royalty and obtain necessary permit for supply of bajri, stone, kankar, sand, etc. from the local authorities and quoted rates shall be inclusive of royalty.
- 4.9 **Insurance:** The bidder, is required to keep the works duly insured until the completion of defect liability period of the works. From commencement to completion of the works, the agency shall take full responsibility for the care of the work and for taking precautions to prevent loss or damage to the works and to minimize the loss or damage to the greatest extent possible and shall be liable for any damage or loss that may happen to the works or any part thereof from any cause whatsoever, inherent defects and failures due to poor workmanship and causes such as fire, lightening, explosion, earthquake, storm, hurricane, short circuits, floods, inundation, subsidence, landslides, rock slides, riots (excluding civil war, rebellion, revolution and insurrection) and shall at his own cost repair and make good the same so that at all times the work shall be in good order and condition and in conformity in every respect with the requirements of the Contract. Explanation: For the purpose of this condition, the expression "from the commencement to completion of defect liability period of the works" shall mean the time commencing from the issue of the work order to the consultant and ending with successful completion of work. The following insurance policies are required to be taken by the consultant;
- 4.10 **Workmen Compensation Policy :** The agency shall at all times indemnify the DMF against all losses, claims or damages or compensation under the provisions of the Payment of Wages Act 1936, Minimum Wages Act 1948, Employees Liability Act 1938, Workmen's Compensation Act 1923, The Maternity Benefit Act 1961, Industrial Disputes Act 1947 and Contract Labour and Regulation and Abolition Act 1970, State Insurance Act 1948 or any modification thereof or any other law relating thereto and rules made there under from time to time or as a consequence of any accident or injury to any workman or other persons in or around the work or bidder or not and also against all costs, charges and expenses of any suit, action or proceedings whatsoever out of such accident or injury or combination of any such claims.
- 4.11 All the Standard Conditions of the Contract shall be binding on the parties as per Indian Contract Act and prevailing Rules.
- 4.12 The Successful Bidder shall comply with all the applicable Acts, Rules, Regulations and Law (s) for entering into Construction / Maintenance Contract and DMF will not in any way be liable or

responsible for any default / irregularities / penalties on the Agency's part.

- 4.13 The Successful Bidder shall comply with the provisions of Contract, Labour (Regulation & Abolition) Act, 1970, Minimum Wages Act, EPF and NP Act, 1952 and all other Labour Laws and other Statutory Regulations (both Central and State) that may be enforced from time to time by the appropriate authorities. DMF shall not be held responsible for any penalty or failure of any Labour Regulations. DMF shall have the power to inspect the Wage Register, PF Register and for physical verification of salary paid to the staff and PF deduction with reference to any records of the Agency and to insist the Agency to comply with Laws.
- 4.14 In case of any discrepancy in deduction of PF by the Agency, DMF is compelled to deduct the amount and pay to PF authorities towards contract employees' a/c on behalf of the Agency.
- 4.15 The Successful Bidder shall be responsible to fulfil all the obligations in connection with the workers employed by the Agency for the purpose of the Contract and all the Statutory and other liabilities, if any, including minimum wages, leave salary, uniform, ex- gratia, gratuity, ESI, Provident Fund, Workmen Compensation, if any, etc. in connection therewith shall be on the Agency's account and payable by the Agency.
- 4.16 The Successful Bidder should obtain necessary permission that may be required for the purpose of this Contract from such authorities as may be prescribed by Law from time to time.
- 4.17 The Successful Bidder or his authorized representative should visit the site frequently as required by DMF and meet them with prior appointment for any clarifications and to receive instructions, take measurements, etc. at the site.
- 4.18 The Successful Bidder shall be fully responsible and shall compensate DMF with suitable Insurance cover in the event of any damage to men or material, injury / damage or death as the case may be, caused directly or indirectly due to the negligence of the Agency or his agents and / or his employees or workmen. The decision of DMF in this regard shall be final and binding.
- 4.19 The Bidder shall indemnify the DMF against any losses as per format given at **Annexure C**.
- 4.20 Any act of indiscipline / misconduct / theft / pilferage on the part of any employee engaged by the Agency resulting in any loss to department in kind or cash will be viewed seriously and DMF will have the right to claim damages or levy fine and / or terminate the Contract forthwith, if necessary.
- 4.21 In case of any default or failure on Successful Bidder's part to comply with all/any one of the Terms / Conditions, DMF reserves to itself the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount/s from dues otherwise payable to Successful Bidder and / or by taking recourse to appropriate recovery proceedings.
- 4.22 If any dispute arises on any matter concerning this Contract, the decision of DMF shall be final and binding.
- 4.23 The Successful Bidder should not at any time do, cause or permit any nuisance on the site / do

anything which shall cause unnecessary disturbances or inconvenience to the occupants/visitors at site or near the site of work.

4.24 The work should be carried out with least inconvenience to the residents. The workmen employed by the Agency should abide by the Rules and Regulations maintained in the premises, especially in respect of working hours, entry of the workers to the premises, interpersonal relation with the occupants etc.

4.25 The Contract can be terminated by DMF on 15 days' notice if services are found to be unsatisfactory and if there is no improvement even after issue of three notices to the Agency.

4.26 On site storage space will be provided to the Successful Bidder subject to availability. However, the Agency may erect temporary sheds for storage purposes at his cost with the permission. DMF will not be responsible for Agency's materials loss / theft . The Agency may be required to vacate the storage space and sheds as per exigency without any extra cost to DMF. If any statutory charges are required to be paid for erection of sheds, the same should be borne by the Agency.

4.27 The Successful Bidder shall provide everything necessary for the proper execution of the works. DMF will not supply any T & P materials or any other equipment, materials, labour, etc. and no payment in this respect will be made by DMF. The Agency shall supply, fix and maintain all the scaffoldings, T&P etc. at his cost during the execution of any work and remove them as soon as the work is completed.

4.28 The Successful Bidder shall not directly or indirectly transfer, assign or sublet the Contract or any part of it.

4.29 The tenderer shall Warranty for the furniture, shall be for 3 years from the date of completion of work. Any defect which may appear within Period of 3 years after the completion of work should be rectified by the bidder at his cost and only thereafter the Security Deposit will be refunded to the bidder.

4.30 **RETENTION MONEY DEPOSIT (RMD)/ SECURITY DEPOSIT (SD):**

- i. Five percent (5 %) of the gross value of the work done and claimed in the Bills shall be deducted towards Retention Money Deposit. This amount shall not bear any interest. The EMD already with DMF shall be refunded within 3 months after settling the Final Bill. The Security Deposit will not bear any interest and will be refunded in after 3 years provided the bidder has satisfactorily carried out all the rectification works and attended to all defects to the satisfaction of DMF.
- ii. Any defects or shortcomings found during execution of work and during the three-year period from the completion of the entire work shall be attended/rectified by the tenderer immediately without any extra cost to the DMF. In case of failure to do so within 10 days from such notice, the DMF may get such rectification works carried out through any other firm and expenditure

incurred by the DMF shall be recovered from any money due to the Agency at the cost and risk of the Agency.

- iii. **CERTIFICATE OF COMPLETION OF WORKS:** The Successful Bidder shall report in writing to the DMF in the form of a Certificate as per the format given at **Annexure A**, as and when the works are completed in all respects. The DMF shall, after due verification of the works, issue to the Agency a certificate to be called "**Completion Certificate**". The defects liability period shall commence only from the date of completion of the work i.e., actual possession of the work

## 5. Pre-bid queries:

### 5.1 Pre-Bid Queries Information

- I. The Client shall invite queries from applicant Agencies as per the details mentioned in the Fact Sheet of this document.
- II. The Applicants must ensure that their queries should reach DMF, Sundargarh, on or before last date mentioned in Fact Sheet of this document only through the e-mail of the Client i.e. [dmfsundergarh@gmail.com](mailto:dmfsundergarh@gmail.com)
- III. The queries should necessarily be submitted in the following format:

Section/Page No.	Content of RFP requiring clarification	Change/clarification requested	Remarks

- IV. Client shall not be responsible for ensuring that the Applicant's queries have been received by them.
- V. Any requests for clarifications post the indicated date and time may not be entertained by the Client.
- VI. The purpose of query clarification is to provide the Applicants with information regarding the RFP, project requirements, and opportunity to seek clarification regarding any aspect of the RFP and the project.
- VII. However, the Client reserves the right to hold or re-schedule the process

### 5.2 Responses to Queries and Issue of Corrigendum:

- I. The Authorized Representative of the Client will Endeavor to provide timely response to the queries. However, no representation or warranty as to the completeness or accuracy of any response made in good faith, nor does undertake to answer all the queries that have been posed by the Applicants.
- II. At any time prior to the last date for receipt of Proposals, the Client may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Applicant, modify the RFP Document by a corrigendum.
- III. The Corrigendum (if any) and clarifications to the queries from all Applicants will be uploaded on the website <http://sundergarh.nic.in>. Any such corrigendum shall be deemed to be incorporated into this RFP.
- IV. In order to provide prospective Applicants reasonable time for taking the corrigendum into account, the Client may discretionally extend the last date for the receipt of Proposals.
- V. The Client's representative is: CEO, DMF Sundargarh.

## 6. Eligibility Criteria

6.1 Should have satisfactorily completed the works as mentioned below during the last Five years ending previous day of last date of submission of bids:

Completed Three similar works each costing not less than Rs. 5.00 Crores

OR

Completed Two similar works each costing not less than Rs. 7.50 Crores

OR

Completed One similar work costing not less than Rs. 10.00 Crores

For this purpose, cost of work shall mean gross value of the completed interior work. This should be certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent

For the purpose of this clause, “similar work” shall mean “Interior works for Buildings like Offices/ Libraries/ IT Parks / Research and Development center’s / Universities / Colleges within a single campus in last Five years in India”

The bidder shall produce the work orders / completion certificates of Interior work only. . Composite work order shall not be considered .

6.2 The bidder should have had an **average annual financial turnover** of Rs. **8.00 Crores** in during the immediate last three consecutive financial years ending 31st March 2021, duly certified by Chartered Accountant. Year in which no turnover is shown would also be considered for working out the average.

6.3 The bidder must furnish a **solvency certificate** (as per proforma under Form B) of value not less than **Rs. 8.00 Crores** certified by his bankers, such certificate shall not be of a date, which is more than six months prior to the date of submission of tender.

6.4 The Bidder should have incurred any loss in more than two year during the immediate las three consecutive financial year, ending 31.03.2021. copy of balance sheet/ certificate duly certified by the Chartered Accountants for last three years ending with 31.03.2021 to be submitted.

6.5 The bidder shall have sufficient number of technical and administrative employees for proper execution of the Contract. The bidder shall have to submit a list of these employees stating clearly how these would be involved in this work within 15 days of award of work.

6.6 Intending bidders are advised to ensure that they meet the minimum eligibility criteria as per the detailed terms and evaluation parameters enumerated in this document before they submit their tender documents.

6.7 Financial bid document submitted by the bidders shall be opened only of those bidders who on the basis of pre -qualification documents submitted by them within the period of bid submission, qualify in accordance with the provision of eligibility bid. The financial bid shall be opened at the notified time and date in presence of qualified bidders or their representative.

6.8 The site for the work is available. The time allowed for carrying out the work will be 04 Months (1 months for planning designing & detail estimates & obtaining approvals from the Authority + 3 months for execution of works), from the date of start as defined in tender or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

6.9 The bidder will take all necessary guards and precautions during the course of execution to ensure safety and stability of the adjoining building structures. All legal consequences of any danger/threat to the safety and stability of adjoining structures rest with the Agency and department stands absolved from all legal liabilities and consequences thereof if any, initiated by the owner/Agency of these building structures.

6.10 The bidder shall not be allowed to make the presentation if the bidder fails to qualify the eligibility criteria.

6.11 Thus, the score achieved by the respective technically qualified bidder, after evaluation of the technical bids based on the criteria stipulate.

## 6.12 Technical Bid

Sl No	Attributes	Marks	Scoring Details
1	<b>Financial Strength</b>	<b>20 Marks</b>	
	(a) Average annual turnover	(10 marks)	<ul style="list-style-type: none"> <li>● Rs. 8.00 Cr. to Rs.9.99Cr. - 6 marks</li> <li>● Rs. 10.00 Cr. &amp; above. - 10 marks</li> </ul>
	(b) Solvency Certificate	(10 Marks)	<ul style="list-style-type: none"> <li>● Rs. 8.00 Cr: 100% marks for minimum eligibility criteria (10 Marks)</li> </ul>
2	No. project experience (Rs. 5.00 cr & above )	30 Marks	Number of project having work order value of Rs 5.0 cr. or more <ul style="list-style-type: none"> <li>● One project – 10 marks</li> <li>● Two project – 20 marks</li> <li>● Three project – 30 mark</li> </ul>
	<b>Presentation of the Bidder</b>	<b>50 Marks</b>	<b>Shall be evaluated based on –</b>

<b>3</b>	<b>i) Proposed Conceptual Plan, Specifications &amp; 3D views</b>	25 Marks	<ul style="list-style-type: none"> <li>● Overall Aesthetic Beauty of the building to include elegance and attractiveness of the buildings demonstrated through 3D views/Plans/walk through. More Preference shall be given to proposals which are in harmony with the remaining building architecture.</li> <li>● Sustainability Feature- Inclusion of technology and design elements to create the buildings with a lower carbon footprint.</li> <li>● Comfort Level-with the right proportions for different spaces and the amount of people occupying it. The building should not feel cramped, awkward or too large for its primary function.</li> </ul>
			<ul style="list-style-type: none"> <li>● <b>Overall Space Management-to be dynamic &amp; flexible in order to deliver a building that will function for decades to come.</b></li> <li>● <b>Material Selection-Based upon climate, durability, availability sustainability, maintenance, aesthetic appeal and performance and GRIHA requirement along with the specific requirements of the Owner as stipulated in this EPC NIT.</b></li> </ul>
	<b>(ii) Proposed Construction Plan &amp; deployment of resources</b>	15 Mark s	<ul style="list-style-type: none"> <li>● <b>Building wise macro schedule for work completion</b></li> <li>● <b>Detailed manpower deployment plan with skill set mentioned against each activity</b></li> <li>● <b>Detailed plans for deployment of Plant &amp; Machineries for the construction</b></li> <li>● <b>Detailed construction plans for E &amp; M works</b></li> </ul>
	<b>(iii) Innovative Design/ Usage of eco-friendly construction material</b>	10 Mark s	<ul style="list-style-type: none"> <li>● <b>Any value addition from the bidder assessed through Proposal document / methodology of construction proposed etc.</b></li> </ul>

**Note:** Minimum qualify mark for qualification of technical bid is 60 marks. Those bidders who have scored less than 60 marks, summarily rejected.

- i. The Financial Bids of technically qualified bidders will be opened on the prescribed date in the presence of bidder representatives. Lowest Quoted bidder shall be selected
- ii. Financial bids which appear to be either grossly under quoted or over quoted are liable to be rejected and this will be at the sole discretion of the Authority .
- iii. The bid price will include all taxes and levies including GST and shall be in Indian Rupees and mentioned separately.
- iv. Any conditional bid would be summarily rejected.

## **7. Evaluation Criteria for Eligibility**

### **7.1 (Technical Tender)**

- i. The details submitted by the bidders will be evaluated in the following manner:
- ii. The initial criteria for eligibility prescribed in respect of experience of works completed, loss, solvency and financial turn over etc. shall be first scrutinized and the bidder's eligibility for the work shall be determined.
- iii. Bidders who qualify as per the eligibility criteria given above will be short listed based on the documentary credentials submitted by the bidder along with and Page 8 of 40 Price bid of qualified bidder shall only be opened with prior intimation to the bidder.
- iv. Even though a bidder may satisfy the above requirements, he would be liable to disqualification if they have:
  - a. Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the pre qualification document.
  - b. Record of poor performance such as abandoning work, not properly completing the contract, or financial failures / weaknesses etc., should be defined.
  - c. Not submitted Tender Fee unless otherwise exempted as per condition of the tender
  - d. Tenders are not submitted in prescribed format with supporting documents.

Selection of the contractors shall be subject to thorough verification of their credential and inspection of similar works (if required) carried out / in progress by them, through a Technical Committee of experts.

- v. The bidders qualifying the initial criteria will be evaluated by scoring method on the basis of details furnished by such bidders. The detailed scoring methods.
- vi. The bidder has to prepare a presentation and have to present in front of the tender committee. The presentation shall include a small introduction of the bidder, Proposed 3D model plans for each type of buildings showing detail particulars of materials, Methodology that the bidder will take to execute the project.

### **7.2 Criteria for Evaluation in Quality and Cost Based Selection (QCBS) PROCESS:**

- i. The quality of proposals received through this tender shall be assessed through QUALITY AND COST BASED SELECTION (QCBS) process. Initially the quality of technical proposals shall be scored as per criteria mentioned. Only those responsive proposals that have achieved at least minimum specified qualifying score in quality of the technical proposals shall be considered further

## **8. PAYMENT OF AGENCY'S BILL:**

- 8.1 The bidder shall be entitled under the Interim Certificates, payment against the checked bills for the work done not prior to 20 days from the date of issue of the work order subject to the actual work being executed in accordance with the contract, and reasonable scrutiny by Department.
- 8.2 “The Authority” shall also ensure part payment to the successful bidder based on the check bills for the works completed by the successful bidder within 15 days from the date of submitting the bills by the successful bidder as per the payment milestone.
- 8.3 Interim Bills/Part bills submitted by the Agency will be paid by DMF after all the statutory deductions viz. RMD @ 5%, TDS and other statutory deductions etc., as applicable.
- 8.4 Retention Money Deposit at the rate of 5 % (Five percent) of the value of the work executed shall be deducted from running interim bills shall constitute the Security Deposit
- 8.5 Payment shall be released as per following –
  - i. First Running Bill: 30 % of the total job value shall be released against submission of invoices.
  - ii. Second Running Bill: 30 % of the total job value shall be released against submission of invoices.
  - iii. Third Running Bill: 30 % of the total job value shall be released against submission of invoices.
  - iv. Final Running Bill: 10% of the total job value shall be released after 100% of work done.

**Note: 5% security will be deducted from every Bill and same will be released after three years**

- i. No advance payments towards cost of goods/services will be made to the supplier.

## FORM A FINANCIAL INFORMATION

**Financial Analysis:** Details to be furnished for the last **three (3)** years duly certified by the Chartered Accountant

S. No .	Description	Financial Years		
		2019-20	2020-21	2021-22
1	Annual turnover			
2	Profit/Loss			
3	Average turnover			

**SIGNATURE OF BIDDER (S)**

**Name of the Chartered Accountant**

Signature of Chartered Accountant, Membership no with Seal

**FORM B**

**(FORM OF BANKER'S SOLVENCY CERTIFICATE FROM A SCHEDULED BANK)**

**SOLVENCY CERTIFICATE**

This is to certify that to the best of our knowledge and information that M/s/ Shri..... having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement up to a limit of Rs.....(Rupees).

This certificate has been issued at the specific request for limited purpose of submitting the Tender to the DMF, SUNDARGARH and shall not be used for any other purpose whatsoever.

This certificate is issued without any guarantee or responsibility on the bank or any of our officers and employees.

**(Signature) For the Bank with Seal**

**GENERAL INSTURCTIONS:**

- Banker's Solvency Certificate must be on the letterhead of the bank issuing such certificate, sealed in a cover addressed to the CHIEF EXECUTIVE OFFICER, DMF, SUNDARGARH
- In case the Solvency Certificate is issued at the request of a partnership firm, such certificate must include names of all partners as recorded with the Bank.
- The Solvency Certificate shall not be more than 6 months old from the original date of submission of tender.

## FORM C

### LIST OF EXPERIENCE (WORKS COMPLETED DURING THE LAST THREE YEARS ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF TENDER)

A	B	C	D	E	F	G	H	I
Sr. No	Name of work/ project and location	Owner or sponsoring organization	Cost of work (Rs. in Crore)	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending / in progress with details*	Whether the work was done on back-to-back basis Yes/No
1								
2								
3								

- Indicate gross amount claimed and amount awarded by the Arbitrator.
- Certified that the above information is complete and that the information furnished above is true, correct and not misleading to my/our knowledge and belief.

**SIGNATURE OF BIDDER (S)**

## FORM D

### STRUCTURE & ORGANIZATION

1	Name & Address of the bidder	
2	Telephone No./Telex No./Fax No./e-mail address	
3	Legal status of the bidder (attach copies of original document defining the legal status).	
	a) An Individual	
	b) A Proprietary Firm	
	b) A firm in partnership	
	c) A limited company or Corporation	
4	Particulars of registration with various Government bodies (attach attested photo-copy). (Company Registration, PAN no., CST and VAT Registration, Service Tax Registration, PF Registration, ESI Registration, Registration as a Agency with CPWD/MES/State PWD etc. ant information about others)	
A	ORGANIZATION/PLACE OF REGISTRATION	REGISTRATION No.
	a	
	b	
5	Names and Titles of Directors& Officers with designation to be deputed for the Works	
6	Designation of individuals authorized to act for the organization.	
7	Has the bidder or any constituent partner in case of partnership firm/Limited Company/Joint Venture, ever been convicted by a court of law? If so, give details.	
8	Any other information considered necessary but not included above.	

Certified that the information mentioned above is complete and no information has been left undisclosed and that the information furnished above is true, correct and not misleading to my/our knowledge and belief.

**SIGNATURE OF BIDDER (S)**

**FORM E**  
**GENERAL INSTRUCTIONS FOR THE AFFIDAVIT**

The affidavit shall be executed on appropriate non-judicial stamp paper of minimum value as applicable in the State of Odisha and notarized by a Notary Public.

**AFFIDAVIT FOR NO BLACKLISTING/DEBARRMENT**

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s \_\_\_\_\_  
\_\_\_\_\_ has been blacklisted/debarred nor has abandoned any work in any government department, India nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
3. The undersigned hereby authorizes and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understand and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Department Project implementing agency.

\_\_\_\_\_  
(Signed by an Authorized Officer of  
the Firm)

\_\_\_\_\_  
Title of Officer

\_\_\_\_\_  
Name of

\_\_\_\_\_  
Firm

=

## FORM F OF TENDER

To

**The Collector &  
Chairperson, DMF,  
Sundargarh.**

Dear Sir/Madam

**“Selection of agency for execution of Interior & Furnishing work in different buildings with 3-year AMC in Sundargarh District”**

I / We have examined the Scope of Works, Specifications and Schedule of Quantities and Terms and Conditions relating to the tender for the said works after having obtained the Tender document invited by you.

1. I / We have visited the site, examined the site of works specified in the Tender Document and acquired the requisite information relating thereto as affecting the Tender.
2. I / We hereby offer to execute and complete the works in strict accordance with the Tender Document at the item rates quoted by me / us in the attached Schedule of Quantities in all respects as per the specifications and Scope of Works described in the Tender Document and the Annexures containing Terms and Conditions.
3. I / We enclose herewith interest-free **Earnest Money Deposit (EMD) for Rs...../- (Rupees ..... Only)** by Demand Draft payable at Sundargarh in favour of “CHIEF EXECUTIVE OFFICER , DISTRICT MINERAL FOUNDATION” and the sum shall be forfeited in the event of our withdrawal of Tender before expiry of the validity period of offer and/or in the event of our failure to execute the Contract when called upon to do so by accepting our Quotation.
4. In the event of this tender being accepted, I/We agree to enter into and execute the prescribed Agreement with DMF as per the format given at **Annexure B**.
5. I/ We agree to pay all Government (Central and State) Taxes such as IT, GST etc. and other taxes prevailing from time to time and the rates quoted by me/us are inclusive of the same.
6. The rate quoted by me / us is exclusive of GST .
7. The rates quoted by me / us are firm and shall not be subjected to variations on account of fluctuation in the market rates, taxes or any other reasons whatsoever, during the currency of the contract.

8. I / we hereby agree to abide by and fulfil all the Terms and Conditions and Provisions of the said Contract Document annexed hereto

Name of the person authorized to sign and submit the Tender

I).....  
.....

II).....  
.....

Yours faithfully

**Place** **Signature Seal**  
**Date**

## **Form G TENDER & CONTRACT FOR WORK**

**RFP for the work of: - This tender is invited off line for the “Selection of agency for execution of Interior & Furnishing work in different buildings with 3-year AMC in Sundargarh District” To be submitted by the bidders in hard copy in the company letter head .**

### TENDER

I/We have read and examined the notice inviting tender, bill of quantity, Specifications, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender to execute the work of DMF, Sundargarh mentioned above and detailed in the schedule of quantities within the time frame specified in Schedule F of the tender documents, and in accordance with the specifications, designs, drawing and instructions/orders of the engineer in charge meeting all the Conditions of Contract with such materials as are provided for In the drawings, technical specifications or the schedule of quantities.

I/We agree to keep the tender open and valid for 90 (Ninety) days from the due date of opening of Technical tender and shall not make any modifications in its terms and conditions.

We submit herewith the Bid Security Declaration. If I/We, fail to furnish the prescribed performance guarantee within prescribed period and form, I/We agree that DMF Sundargarh shall without prejudice to any other right or remedy, be at liberty to take suitable action as per Bid Security Declaration. Further, if I/We fail to commence work as specified, I/We agree that DMF Sundargarh shall without prejudice to any other right or remedy available in law, be at liberty to take suitable action as per Bid Security Declaration and forfeit the performance guarantee absolutely, otherwise the said Performance Guarantee shall be retained by Owner towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause Deviations/Variations Extent and Pricing of the tender form. Further, I/We agree that in case of forfeiture Performance Guarantee as aforesaid, I/We shall be debarred from participating in the re- tendering process of the work.

I/We undertake and confirm that experience of work(s) has/have not been got executed through another Agency on back-to-back basis. Further that, if such a violation comes to the notice of DMF Sundargarh, then I/We shall be debarred for tendering in DMF Sundargarh in future forever. Also, if such a violation comes to the notice of DMF Sundargarh before date of start of work, the Collector & Chairperson cum managing trustee, DMF Sundargarh shall be free to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/we shall treat the Tender Documents, drawings and other records connected with the Work as secret / confidential documents and shall not communicate nor use any information derived therefrom to any persons other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the interest of DMF Sundargarh.

Dated

Signature of Agency

Witness

Name.....

Name .....

Address.....

Address.....

Occupation.....

Telephone.....

## **SPECIFICATIONS FOR INTERIOR WORKS AND FURNITURE**

### **NOTE FOR UTENSILS**

- **Certificate required for ensuring supply of set of utensils**
  - The bidder shall submit authorization certificate of OEM having manufacturing technology of utensils Grade 304 Stainless Steel along with Impact Bonding, as per requirement mentioned in the technical Specifications mentioned in Annexure I. The bidder shall also submit authorization certificate of Impact Bounding Machine of OEM.
- **Grade 304 Stainless Steel:** The bidder shall provide set of utensils as per Stainless Steel Grade 304, as and where applicable, whose of chemical compositions are as follows:

#### **A. Chemical composition of Grade 304 stainless steel**

- Carbon, C:- 0.0-0.07
- Manganese (Mn):- 0.0-2.0
- Silicone (Si):- 0.0-1.00
- Phosphorus, P:- 0.0-0.05
- Sulfur (S):- 0.0-0.03
- Chromium (Cr):- 17.50-19.50
- Nickel (Ni):- 8.00-10.50
- Iron (Fe):- Balance
- Nitrogen (N):- 0.0-0.11

**Impact Bonding:** The set of utensils, especially Kadhai shall be complied with Impact Bonding having three different materials; first layer shall be of Stainless Steel grade 304, then the second layer shall be of Aluminum and the third layer of Grade 430. All these layers are bonded together with a pressure of 1600 M.T, which makes it very strong and has a lifelong durability which can never be removed apart and its benefit shall be that it spreads heat evenly throughout the utensil so the food is properly cooked and shall be used on both Gas stoves and Electric inductions. The set of utensils shall be made on impact bonding machine. The base is made of three different layers, as mentioned above.

#### **NOTE FOR SOLAR NATURAL WATER COOLER**

- Bidder shall submit “MNRE” certificate or certificate from Renewable Energy Department of any State Government for solar natural water cooler



## **ANNEXURE B ARTICLES OF AGREEMENT**

**(On Rs. 200/- Stamp Paper)**

ARTICLES OF AGREEMENT made on the .....of.....2019 between the DMF which expression shall, unless repugnant to the context mean and include its successors and assigns of the one part and M/s (Herein after called "the Agency") which expression shall unless repugnant to the context mean and include its successors and assigns of the other part.

The Agency has agreed to execute the said works i.e. **“Selection of agency for execution of Interior & Furnishing work in different buildings with 3-year AMC in Sundargarh District”** subject to the provisions hereinafter contained and subject also to the instructions to the Bidders, General Conditions of Contract, Special Conditions, Technical Specifications, the said drawings, the Schedule of Quantities and Bidders Schedule of Quantities, all of which are hereinafter collectively referred to as '**the said conditions**', strictly in accordance with the said drawings annexed hereto and the Specification and Schedule of Quantities referred to above at or for the respective rates set out in the Bidders Schedule of Quantities annexed hereto, amounting to the sum as hereunder arrived at or such other sum as may become payable hereunder (herein under referred to as the said contract amount).

### **NOW THEREFORE THIS AGREEMENT WITNESSETH THAT:**

1. In consideration of the said Contract Amount to be paid by the DMF to the Agency at the time and in the manner set forth in the said conditions and in accordance with the schedule of payments, the Agency shall upon completion subject to the said conditions execute and complete the work shown in the said Drawings and described in the said Specifications and Schedule of Quantities.
2. The said Conditions and the Annexure thereto shall be read and construed as forming part of this agreement and the parties hereto respectfully abide by, submit themselves to the said condition and perform the agreements on their part respectively contained in said conditions.
3. Tender documents containing notice to the Agency, Conditions of Contract, Appendix thereto, Special Conditions of Contract, Technical Specifications and Schedule of Quantities with the rates entered therein, shall be read and stamped forming part of this agreement and the parties hereto shall positively abide by and submit themselves to the conditions and specifications and perform the agreements on their part respectively in conditions contained.
4. The DMF reserves to itself the right of altering the drawing, nature of the work by adding to, reducing or omitting any items of work or having portions of the same carried out without prejudice to this Contract. The Agency should have experienced and competent staff which will enable them to ensure proper quality check on the materials, and who will ensure to carry out proper tests as required by the specifications and will supervise the day-to-day working and execution of contract works.
5. If the Agency has any doubt about the quality of any materials or any difficulty in supervision of the day-to-day work, it shall be the duty of the Agency to report the matter in writing forthwith to the DMF and for the time being, to suspend that portion of the work about which difficulty is experienced and the Agency will abide by the direction of the DMF.
6. The Agency covenants and warrants that completed items of work as well as the entire work on completion will be in conformity with the Specifications and the terms and conditions of Contract and will be of proper quality and description.
7. Time shall be considered as the essence of this Agreement and Agency hereby agrees to complete

the work within **4 months starting after one week from date of issue of work order or the date on which Agency takes the possession of site, whichever is earlier**, nevertheless to the provisions of extension of time as contained in the said conditions.

- 8. All payments by the DMF under this contract will be made by e-payment only.
- 9. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at Sundargarh and only court at **Sundargarh** shall have jurisdiction to determine the same.
- 10. This agreement shall be signed in duplicate; the original document shall be kept in the custody of the DMF and the duplicate with Agency. Stamp duty shall be borne by the Agency.

IN WITNESS WHEREOF the DMF has set its hand hereunto through its duly authorized official and the Agency has caused these presents under its common seal/by its duly authorized representative at the place and on the date and year first hereinabove written.

As witness our hands are affixed this \_\_\_\_\_ day of \_\_\_\_\_

Signed and sealed by the said DMF in the presence of

Agency in the presence of

.....  
.....

Witness No. 1 .....

Witness No. 1

Witness No. 2 .....

Witness No. 2

Signed and Sealed by the said

.....  
.....

**ANNEXURE C**  
**INDEMNITY BOND**

(On Rs. 100/- Stamp Paper)

KNOW all men by these presents that I, Shri \_\_\_\_\_ of  
M/s .....do hereby  
execute Indemnity Bond in favour of District Mineral Foundation ( DMF),Sundargarh and M/s  
..... on this .....day of .....2018. Whereas DMF have appointed  
M/s.....as the Agency for their work relating to “**Selection of agency for execution of Interior  
& Furnishing work in different buildings with 3-year AMC in Sundargarh District**”

**THIS DEED WITNESSETH AS FOLLOWS: -**

I/We M/s .....hereby do Indemnify, and same harmless DMF against and  
from

1. any third party claims, civil or criminal complaints liabilities, site mishaps and other accidents or  
disputes and/or damages occurring or arising out of any mishaps at the site due to faulty work,  
negligence, faulty construction and/or for violating any law, rules and regulations in force, for the  
time being while  
executing/executed works by me/us,
2. any damages, loss or expenses due to or resulting from negligence or breach of duty on the part of  
me/us or any sub-Agency/s if any, servants or agents.
3. any claim by an employee of mine/ours or of sub-Agency/s, if any, under the Workmen  
Compensation Act or any other law, rules and regulations in force for the time being and any Acts  
replacing and/or amend the same or any of the same as may be in force at the time and under any  
law in respect of injuries to persons or property arising out of and in the course of the execution  
of the contract work and/or arising out of and in the course of employment of any  
workmen/employee.
4. Any act or omission of mine/ours of sub-Agency/s if any, our/their servants or agents which may  
involve any loss, damage liability, civil or criminal action.

IN WITNESS WHEREOF THE M/s .....has set his/their hands  
on this .....day of 2018.

SIGNED AND DELIVERED BY THE AFORESAID

M/s IN THE PRESENCE OF WITNESS:

(1).....

(2) .....

**PROFORMA-1**

**Bank Account Details for ECS Payments Details to be furnished by the Tenderers/Agencys/Service Provider/Firm**

1. Name of Agency/Firm/Co./ :  
Service Provider with Address
  
2. Name of the Bank of the Agency/ :  
Service Provider
  
3. Bank Branch and Address :
  
4. Title of Account where payment is : Required, Exact wording of the  
account
  
5. Account No. : Savings/Current/Overdraft/Cash
  
6. Type of Account : Credit/Advances/NRE Savings etc.
  
7. MICR No. of the Bank branch :  
(along with a cancelled copy of  
the cheque)  

---
  
8. IFSC / RTGS / NEFT No. :





**Note: Enclose a copy of PAN & Cancelled Cheque**






**Place:**  
**Date:**





**Yours faithfully**







**Name and Address of the  
Tenderer/Agency/Firm/Co.  
/Service Provider (Signature of  
the  
Tenderer/Agency/Firm/**







**Annexure I: Technical Specifications of Furniture, Fixture & Other Items as part of Renovation and Upgradation of Auditoriums/Halls/Library**

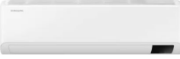





SL NO	Item Description	Unit	Qty	Reference Image	Basic Rate in figures to be entered by the Bidder In Rs. P
	<b>FURNITURE SPECIFICATION</b>				
1	Providing & Fixing Three Seater Sofa Specification- Size- H- 840 mm, L- 1880 mm, D- 815 mm. Structure made of Pine Wood, fitted with 50mm wide rubberized belts 50mm wide with 28 density U foam as per design, Upholstered with premium quality PU cloth/Leatherite with help of stitching, where ever necessary. Handle made of MDF Board With PU Paint.	Nos	1		
2	Providing & Fixing Singlee Seater Sofa Specification- Size- H- 840 mm, L- 890 mm, D- 815 mm. Structure made of Pine Wood, fitted with 50mm wide rubberized belts 50mm wide with 28 density U foam as per design, Upholstered with premium quality PU cloth/Leatherite with help of stitching, where ever necessary. Handle made of MDF Board With PU Paint.	Nos	1		
3	Providing & Fixing Wooden Center Table Overall Size: 1200 x 600 x 450 mm Legs shall made out of 7 5 x7 5 mm teal rood section as per photograph. Top rail shal1 be ma de of 7 0x22mm as per photograph. Top shall be made of 18mm veneer faced MDF board. Teak wood beading of 18mm shall be fitted as per approval.	Nos	1		
4	Providing & Fixing Reception Table having table top made up of 25mm thick PPB with understructure made in 18mm thick PPB with PVC edge banding & necessary w/m cap including all fixtures and fasteners, etc. complete as per approved shade. Size:- 2400(W)X750(D)X1000(H)	Nos	1		









5	Providing & Fixing Console with storage Size:- 1800(W)x400(D)x750(H) Providing TV console made in 18mm thick PPB with PVC edge banding, including all fixtures and fasteners, etc. complete as per approved shade.	Nos	1		
6	Providing Office Table having top made up of 30mm thick PPB + PVC foiled Strip with PVC Chrome Strip on Modesty and other structure made up of 18mm thick PPB with PVC edge banding, including all fixtures and fasteners, etc. complete as per approved shade. Size:- 1350(W) X 750 (D) X 750 (H)	Nos	1		
7	Providing Side Storage having 3 Drawer ( BBF ) + 1 Shutter, top made up of 25mm thick PPB with PVC edge banding and other structure made up of 18mm & 9mm thick PPB with PVC edge banding including all fixtures and fasteners, etc. complete as per approved shade. Size:- 900(W) X 450(D) X 750(H)	Nos	1		
8	Providing & Fixing Low Back Office Chair Size: Total Height-810-895mm, Depth 685mm, Width-555mm Seat Height: 425-510mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for center support and seat height adjustment. Telescopic ABS cover over steel column. Lockable center tilt mechanism and with Single piece integral skin PU arm rest. Quality tapestry.	Nos	1		
9	Providing & Fixing Display Storage Unit. Size:-height:1980mm, width:910mm depth:380mm Body part made- up of prime quality cold rolled close annealed Sheet Use only MIG/TIG & Spot welding for fabrication.5 adjustable shelf. Three way locking device with six levers superior quality lock for Door. Doors made of press formed MS cold rolled close annealed sections with 4mm glass. Doors are mounted on steel hinge brackets. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.	Nos	1		











10	<p><b>Seats Description:</b> - Fixed Back chair. Auto Tip-up cushion. Arm-rest to Arm-rest (center dist.): 21" to 24" (inches) Without any disturbing noise. PPCP-injection molded Housing for Cushion &amp; Backrest. All sheet metal parts with powder coated / or zinc passivated All exposed &amp; visible parts shall be powder coated. Armrest - Integral Skin Armrest/PPCP /Wooden. Seat numbering on tip-up portion. Row numbering for seats along the aisles. Provision for lights on sides for seats along the aisles.</p> <p><b>Fabric:-</b> Approved by customer, as per your existing upholstery. FR grade material confirms to IS 15061 For horizontal Burning test only.</p> <p><b>Frame:-</b> Cushion frame - ERW Round tube IS :3074 -2005 19 dia 1.2mm thick, Back frame - ERW Round Tube IS :3074 -2005 Dia 16X 1.63mm thick. S Spring Wire Dia – 2.9. Remark – dimension tolerance +2 mm.</p> <p><b>Polyurethane Foams:-</b> Density: 50 + 5 Kg/M3 / JIS K 6401. Constant Compression Set: (Max. 13%) JIS K 6401. FR grade material confirms to IS 15061 horizontal Burning test only. Remark – dimension tolerance + 10 mm. <b>Spring:-</b> For Auto Tip-up – Torsion Spring / Spring Steel IS : 4454 - 1981 GRADE 2 (part I) Wire Dia – 2.08+ .05. <b>Wing Components:-</b> Wing frame: of F style. Sheet Metal IS: 1079 - 1994 HRPO Type O. Rectangular Tube IS: 4923-1985 50X25X1.63MM THK. Side wing frame with fabric upholstered plywood (Inner and outer). Remark – dimension tolerance + 2 mm.</p> <p><b>Back &amp; Cushion Housing:-</b> Material: PPCP (Injection Molded). Back Rest - IS: 10951-1984 PPCP BLACK 2.3mm thick. Cushion - IS: 10951, PPCP BLACK 3mm thick. Remark – dimension tolerance + 2 mm.</p> <p><b>Arm-rest:-</b> Integral skin PU.</p> <p><b>Seat Dimension:-</b> Cushion Height – 440 ±10. Back Rest Height – 950 ±10. Normal Dimension – 780 ±10. Installation Hardware:- RCC Flooring 4 Inch - Anchor Fastener M8X100mmL. Sleeve Dia 14mmWith 30mmL (2 NOS). Wooden Flooring 2 Inch - Coach Bolt for M8X40/50 (2 Nos).</p> <p><b>Special Note:</b> - All part detail mention are subject to change for continual improvement of the seat. Seat will be tested as per our specification only. Other test will be applicable to our seats in not mention of our specification.</p>	Nos	1		
11	<p>Providing &amp; Fixing SINGLE CUSHION CHAIR. Size: Total Height-840mm, Depth 600mm, Width-575mm Seat Height: 450mm. Under Structure cantilever type MS cold rolled close annealed Tube 1.6 mm thick. Hot pressed ply wood with steel T-Nuts for rigid fastening. Single piece integral skin PU arm rest. Quality tapestry. Seat and back covered with PP covers. High density PU molded cushion. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. Upholstery 1.2 Mtr.</p>	Nos	1		
12	<p>Providing &amp; Fixing Dressing Table. The table is made of 18mm Polished Teak understructure as design. MIRROR 5MM FIXED WITH STUDS. TWO DRAWERS FOR STORAGE .The Load bearing capacity of the table is 30 Kg.</p>	Nos	1		
13	<p>Providing &amp; Fixing Wardrobe. Size:-height:1980mm width:910mm depth:485mm Body part made-up of prime quality cold rolled close annealed Sheet Use only MIG/TIG &amp; Spot welding for fabrication.4 adjustable shelf. Three way locking device with six levers superior quality lock for Door. Doors are mounted on steel hinge brackets. Body 22 Gauge, Door 20 Gauge. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	Nos	1		


14	<p>Providing &amp; Fixing Bookshelf. Size:- Height:1750mm, Width:920 mm, Depth:330 mm( 4-Door ) Material Prime quality CRCA sheet 0.8mm thick. Compartment door: Each compartment shall provide to-hung glass door, which swings, open upwards and slides into the casing when fully open by means of rollers. The overall size of glass 3mm thickness shall be such, that all the books in compartment shall be visible. For proper alignment of glass door cross plate (patti) arrangement i.e. scissor system is to be fitted in each door.</p> <p>Construction: All the components are neat and clean with strong joints. Lock &amp; Handles: Two Nos. good quality handles are provided on each door with precision lock. Key shall be common for all compartment lock. Finish: The bookcase shall be powder coated after seven tanks pre-treatment.</p>	Nos	1		
15	<p>Providing &amp; Fixing Slotted angle racks of Depth 18" x Width 35" x Height 71". Having 5 loading level. Powder coated in desired shade. Panel 22swg 6 bend from CRCA Posco make and angle 16 swg 40x40.</p>	Nos	1		
16	<p>Providing &amp; Fixing Library Table Size: 6'4" x 2'6" x 2'6" ht. as per design with round edges of all 4 corners, Table top to be made of 12mm thick toughened glass supported on SS studs attached to base frames, base of the table finished in 4mm veneer of approved shade, Table to be constructed in hardwood framework with necessary provisions. Finished in veneer as/design and detail. All visible surfaces to be finished in same veneer other internal areas of Table to be finished in 1mm laminate of approved shade with 2"x 2" European/German Steamed Beech Moulding on all edges sides and polished with PU polish.</p>	Nos	1		
17	<p>Providing &amp; Fixing window Curtains. SIZE - 72" X 63"</p> <p>Supplying and fixing of window curtain of furnished fabric of approved design properly stiched with loops and pleat to be fixed to the drapery rod of S.S finish and necessary bracket .The cost including of all materials, labours, T&amp;P, taxes, royalties, transportation etc. all complete Cloth to be approved by the organisation.</p>	Nos	1		
18	<p>Providing &amp; Fixing Door Curtains. SIZE - 48" X 84"</p> <p>Supplying and fixing of door curtain of furnished fabric of approved design properly stiched with loops and pleat to be fixed to the drapery rod of S.S finish and necessary bracket .The cost including of all materials, labours, T&amp;P, taxes, royalties, transportation etc. all complete .Cloth to be approved by the organisation.</p>	Nos	1		
19	<p>Providing &amp; Fixing Photo Display Board. SIZE - 7'0" X 4" X 4'6" Made of 19mm commercial laminated plywood with aluminum frame to hold sliding glass. Back side shall have tackboard to pin up any notice.</p>	Nos	1		

20	Providing & Fixing Notice Board. SIZE - 7'0" X 4" X 4'6" Made of 19mm commercial laminated plywood with aluminum frame to hold sliding glass. Back side shall have tackboard to pin up any notice	Nos	1		
<b>ELECTRICAL ITEM SPECIFICATION</b>					
21	Providing & Fixing Amplifier with Mic in Reception Features: Durability Sturdy construction Low maintenance Efficient performance Easy to install Easy to use A PA system, which is shorthand for "public address system," is a sound amplification system that generally includes a microphone, an amplifier, and some loudspeakers. Many PA systems also include a separate mixing console or a powered mixer, which combines the amplifier and mixing console into a single device	Set	1		
22	Supply, testing and commissioning of 4 TB Hard Disk	Nos	1		
24	Providing & Fixing of 32" LED TV screen (SONY/ LG/ SAMSUNG /PANASONIC) with USB Ports, 4 HDMI Ports, Ethernet Port, PC Input VGA Port with 2 Speakers, minimum 50 W Output, Dolby Digital sound.	Nos	1		
25	Providing & Fixing of Desktop Monitor (23.5 inch) Curved LED Backlit Computer Monitor – Full HD, VA Panel with VGA, HDMI, Audio Ports Providing & Fixing of Control Processing Unit i5 8 GB 500GB HDD Windows MS Office Intel HD Graphics, Memory and Storage, 8 GB DDR3 RAM with Intel HD Graphics, Hard Drive, 500GB HDD, Operating System, Windows, Preinstalled Software, MS Office, In the box, Desktop, Cord Providing & Fixing of Computer Mouse B100 Wired USB Mouse, 800 DPI Optical Tracking, Ambidextrous PC Providing & Fixing of Computer Keyboard Wired Keyboard with 104 Keys Product Dimensions 13.4 x 43.4 x 2.4 cm	Set	1		
26	Providing & Fixing of Tower Air Cooler – 34L Capacity, Ideal for room size of upto 300 sq ft. 3 way speed control; Quite Performance; Four way air deflection Power: 175 watts; Operating voltage: 230 V; Works of inverter: Yes SIZE : 46.5cm x 30.8 cm x 84.0 cm	Nos	1		






27	Providing & Fixing of 1.5 Ton 4 Star BEE Rating ZU1 : For energy savings upto 20% (compared to Non-Inverter 1 Star), Auto Restart: No need to manually reset the settings post power-cut, Copper : Energy efficient, best in class cooling with easy maintenance. Sleep Mode: Auto-adjusts the temperature to ensure comfort during your sleep.	Nos	1		
28	Providing & Fixing of Stainless Steel Plain Pedal Dustbin/ Plain Pedal Garbage Bin with Plastic Bucket-- / litre (8x12), Brushed Stainless Steel Finish: anti-fingerprint and anti-rust coating make the bathroom trash can easier to clean.	Nos	1		
29	Providing & Fixing of Wet and Dry Vacuum Cleaner with Power Suction, Low Sound, High Energy Efficiency, Strong suction of 200 Air Watt and vacuum of 20 KPa. Capacity 15 litres with 3 L dust bag SIZE LxWxH 35.5 x 35.5 x 49 Centimeters Equipped with BIS plug and cable for extra safety and thermostat function to protect from overheating	Nos	1		
30	Providing & Fixing of Single Door 4 Star Refrigerator with Base Drawer, Capacity 190 liters, Direct Cool : Economical, consumes less electricity, requires manual defrosting SIZE - 534MM X 633MM X 1326MM	Nos	1		
<b>PUBLIC ADDRESS SYSTEM SPECIFICATION</b>					
31	Providing & Fixing of Power Amplifier for Public Address (PA) System Power output : 90W RMS max. Total Harmonic Distortion (@ 60 watt) : Should not exceed 5%Output regulation : less than 3 db from no load to full load at 1 KHz Inputs/sensitivity : 4 Microphone 0.65 mV/4.7K inputs and 1 Aux 100mV/470 koh Frequency response : 50 Hz ti 15 KHz +/- 3dB Signal to Noise Ration : 60 dB Tone control : Bass -10 dB @ 100Hz Treble -10 dB @ 10 KHz Speaker output : 4 ohm, 8 ohm, 16 ohm and 100V line for long distance speaker connection Power Source : 220VAC to 240 VAC, 50 Hz and DC 12V (Backup) Provision for automatic changeover from AC to 12V DC battery operation Protection : Fuse on both AC or DC	Nos	1		
32	Providing & Fixing of PA Column Speakers with wall mounting brackets Input power : 10W RMS / 15 W max Power Taps : 10W/7.5W/5W/ 2.5W Operating voltage : 100V line matching transformer with rotary switch Frequency response : 150 Hz to 10 KHz Material : Metallic (Aluminium extruded housing) speaker Front : Metal Mesh Grill Mounting : Wall mounting metallic brackets for installation	Nos	1		








33	Providing & Fixing of ABS wall mount Speakers for indoor application Input power : 5W RMS Operating voltage : 100V line matching transformer Frequency response : 60 Hz to 15 KHz Volume Control : 12 position rotary switch Mounting : Wall mounting with key hole	Nos	1		
34	Providing & Fixing of Desktop goose neck type paging microphone Operating Switch : Two (One push to talk, second lock type) Frequency response : 50 Hz to 15 KHz Sensitivity : 2.5 mV/Pa Connection : Twin core Shielded low noise cable Length of cable : 5 meter or more Connector : dia 6.3 mm (1/4") Phone Plug	Nos	1		
<b>KITCHEN ITEMS SPECIFICATION</b>					
35	Providing & Supplying of CUP SET –6 Cup and Saucer Set, 145ml, 6–Pieces.	Set	1		
36	Providing & Supplying of Mini Sauce Pan Induction Base Aluminium Non Stick Sauce/Milk Pan, 1.5Ltrs	Nos	1		
37	Providing & Fixing of Water Filter RO+UV+TDS Water Filtration System – 15L, Item Dimensions LxWxH : 21 x 36 x 46 Centimeters	Nos	1		
38	Providing & Supplying of Spoon SIZE – 25 x 25 x 2 Centimeters Stainless Steel Dinner Table Spoon, Made from 100% High Quality Grade Stainless Steel, Resistant to corrosion, 38g approx each spoon. All cutlery items should be well-designed with smooth edges and have 1.6 MM thickness stem to ensure high durability.	Nos	1		
39	Providing & Supplying of Spatula Set Stainless Steel Kitchen Tool Set for Cooking, Set of 5, Silver (Includes: 1 Ladle Spatula, 1 Skimmer, 1 Turner, 1 Ladle, 1 Slotted Turner, Made from heavy gauge stainless steel	Nos	1		
40	Providing & Supplying of Mini Kadhai Aluminium Kadai Vessel with Handle for Cooking, Capacity – 3Litres	Nos	1		








41	Providing & Supplying of Glass Set -6. Glass Set of 6, 280 ml.	Nos	1		
42	Providing & Supplying of Gas Stove. Glass Top / Gas Hob with 3 Burner and Auto Ignition, Length:76cm Height:6.5cm Width:51cm [Rubber Feet Height:3cm]	Nos	1		
43	Providing & Supplying of Sink Overall Size: 24" x 18" x 9" , Bowl Size: 20" x 16" x 9" , Material: 304 Grade Stainless Steel, hickness: 1 mm, Finish: Hi Gloss.	Nos	1		
<b>OTHER ITEMS SPECIFICATION</b>					
44	Providing & Supplying of Door Mat. PolypropyleneDoor Mat, Water Absorbent Dirt Trapper Rugs 40x60 cm (Black)-with Back Rubber Binding	Nos	1		
45	Providing & Supplying of Dustbin for Rooms. Stainless Steel Plain Pedal Dustbin/ Plain Pedal Garbage Bin with Plastic Bucket- - 7 litre (8x12),Brushed Stainless Steel Finish: anti-fingerprint and anti-rust coating make the bathroom trash can easier to clean.	Nos	1		
46	Providing & Supplying of Dustbin for Washrooms. Stainless Steel Plain Pedal Dustbin/ Plain Pedal Garbage Bin with Plastic Bucket- - 7 litre (8x12),Brushed Stainless Steel Finish: anti-fingerprint and anti-rust coating make the bathroom trash can easier to clean.	Nos	1		
47	Providing & Supplying of Stainless Steel Dustbin for Kitchen + Dining. SIZE - 45.7 x 25.4 x 25.4 Centimeters Stainless Steel Plain Pedal Dustbin/ Plain Pedal Garbage Bin with Plastic Bucket- - 20 litres,Brushed Stainless Steel Finish: anti-fingerprint and anti-rust coating make the bathroom trash can easier to clean.	Nos	1		
48	Providing & Supplying of First Aid Box. Plantex Emergency First Aid Kit Box/Emergency Medical Box/First Aid Box/Wall Mount/Multi Compartment , Item Dimensions LxWxH 28.5 x 8 x 32.5 Centimeters, Made From High Grade GI Metal With 6 Way Processed Powder Coating For Anti-Rust Proof - Long Life	Nos	1		
49	Providing & Supplying of Indoor Planter.	Nos	1		
50	Providing & Fixing of Three Seater Visitor Chair. Over all sizes- 1765mm X 710mm X 775mm (L X W X H). 3-Seater visitor bench with 3 individual seats of 450 mm. width. Made of MS cold rolled close annealed press formed Sheet components duly seamless welded to get proper finish. Steel perforated MS moulded one piece seat and back fitted in moulded chrome plated side strips. Three individual seats fitted on MS tube support of 75mm x 35mm. seat and bottom support are Powder coated. The open- ends of the pipes will be covered& finished. All joints will be properly welded & finished. The whole structure including seats are powder- coated.	Nos	1		






51	Providing & Supplying of Canvass Paintings - with stretched framing	Nos	1		
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### Annexure II: Technical Specifications of Furniture, Fixture & Other Items as part of Renovation and Upgradation of Hostels (Girls/Boys)

SL NO	Item Discription	Unit	Qty	Reference Image	Basic Rate in figures to be entered by the Bidder In Rs. P
<b>FURNITURE SPECIFICATION</b>					
1	Providing & Fixing of Single bed. Overall Size-Length-1994mm, Width-907mm, Height-822/623/ Rest Height-450mm, Structure of Metal bed frame including legs and head Structure-Mild Steel Pipe, Head board Shape of headboard SEMI CIRCULAR, Thickness of Hollow Section in Structure (1.2mm), Support Panel for placement of mattresses Mild Steel hollow box rectangular section, Thickness of support Panel (in 1.2mm), Material of head board Mild Steel ERW tube IS:7138 Square Tube of 38.1 mm X 1.2 mm thick, Material of mattress panel MS PERFORATED / SHEET, Thickness of mattress Panel 1.2 (mm), Size of support members in mm ( $\pm 5$ mm) 50 x 50mm, Number of support members is 04 Nos., Paint /Finish of all M S parts Powder Coating 60 micron.	Nos	1		
2	Providing & Suppling of Mattress. The mattress shall be of size 72" x 35" x 04" having density of 40 (+/-2), Breathable 90 pin hole foam with good bounce effect and special hardening to have extra support with Q cover having side to side zipper	Nos	1		
3	Providing & Suppling of Blanket. 90 Inches X 60 Inches Plain woolen Blanket	Nos	1		
4	Providing & Suppling of Bedsheet. Cotton Single Bed Sheet, 1 Bedsheet 1 Pillow Cover, Size: 63 By 90 Inches	Nos	1		
5	Providing & Fixing of Steel almirah. Size:-height:1980mm width:910mm depth:485mm Body part made-up of prime quality cold rolled close annealed Sheet Use only MIG/TIG & Spot welding for fabrication.4 adjustable shelf. Three way locking device with six levers superior quality lock for Door. Doors are mounted on steel hinge brackets. Body 22 Gauge, Door 20 Gauge. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.	Nos	1		



6	<p>Providing &amp; Fixing of Study Table. Size:- Length:900mm, Width: 600mm, Height 750mm C- Frame &amp; Tubular cold rolled close annealed Steel Structure. Fabrication involves only MIG/TIG &amp; Spot welding .Top made of 18mm thick pre- laminated particle board. PVC Edge beading of 2mm thick by Through Feed Machine. Dotted embossed steel modesty panel at visitor's side and with single drawer ( W-350mm, H-165mm D-475mm ) with branded telescopic channel.</p> <p>Provided with Drum Type Leveller. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface.</p>	Nos	1		
7	<p>Providing &amp; Fixing of Study Chair. SIZE: Height: 810mm, Depth: 570mm, Width: 505mm: Perforated Steel Seat and back fixed through neat welding with MS cold rolled close annealed tube structure 1.2 mm thick with Arms. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	Nos	1		
8	<p>Providing &amp; Fixing of Long table (dining). Size:- L-2130mmx D-915mmxHt-750mm: Under structure made of prime quality cold rolled close annealed square tube 30mm x 30mm x 1.2mm thk. with 8 nos. folding/tilting stools 4 on each side.</p> <p>Stools fitted on specially designed C-clamps over leg rest on each side with Bush for smooth functioning.</p> <p>Top-1.0mm thk. stainless-steel properly bent &amp; edge-formed, supported with 12mm Ply/PLPB below top. Stool Top made up of 1.0 mm thk. stainless steel dia 300mm, supported on 12mm Ply/PLPB fitted with CSK screw on 25mmx3 mm thk. MS flat welded on stool frame. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	Nos	1		
9	<p>Providing &amp; Fixing of Reception desk. Providing Table having table top made up of 25mm thick PPB with understructure made in 18mm thick PPB with PVC edge banding &amp; necessary w/m cap including all fixtures and fasteners, etc. complete as per approved shade. Size:- 2400(W)X750(D)X1000(H)</p>	Nos	1		
10	<p>Providing &amp; Fixing of Storage cabinets. Supplying of Top shall be made of superior quality 25mm thick particle board of grade II, type II conforming to IS: 12823 of approved shade. The top and side panels will be clad with special post forming laminated of thickness 0.62X0.8mm and 18mm thick pre laminated particle board sides and back closed with 9mm thick pre laminated particle board and with sliding or openable door lockable including lockable drawers and as required no's of shelves shall be provided made of 18mm thick laminated particle board of grade II, type II, conforming to IS: 12823 of length as per design. All exposed edges of table shall have 2mm thick Hot melt PVC banding.</p>	Nos	1		
11	<p>Providing &amp; Fixing of Officer Chair. Size: Height Overall/Seat - Max:1240/535mm, Min: 1160/455mm, Depth - 625mm, Width- 650mm : 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece die castes PP arm rest. Quality Latherite tapestry with double stitch. High density PU cushion. Available in only Black Latherite.</p>	Nos	1		
12	<p>Providing &amp; Fixing of Side credenza. Providing Side Storage having 3 Drawer ( BBF ) + 1 Shutter, top made up of 25mm thick PPB with PVC edge banding and other structure made up of 18mm &amp; 9mm thick PPB with PVC edge banding including all fixtures and fasteners, etc. complete as per approved shade. Size:- 900(W) X 450(D) X 750(H)</p>	Nos	1		



13	Providing & Fixing of Single sofa. Specification- Size- H- 750 mm, L- 890 mm, D- 770 mm. Seat Height:- 465 mm. Handle Height:- 710 mm. Structure made of Pine Wood, fitted with 50mm wide rubberized belts 50mm wide with 28 density U foam as per design, Upholstered with premium quality PU cloth/Leatherite with help of stitching, where ever necessary. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.	Nos	1		
14	Providing & Fixing of Teapoy. Supplying center table of size 700 x 1350 x 430mm (H) with 25mm thick top and sides made of superior quality 25mm thick particle board of grade II, type II conforming to IS: 12823 of approved shade. The top and side panels will be clad with special post forming laminated of thickness 0.62X0.8mm. Leg with cut to shape as per design.	Nos	1		
15	Providing & Fixing of Photo Display Board. Portable Loop Fabric Panel Floor Display Stand, Panel Dimensions: 48" Wide x 66" High, Overall Display Height: 80", 2 Panel Display Frame Finishes: Light Gray or Beige, 9 Loop Fabric Colors, Casters (Wheels) for easy portability	Nos	1		
16	Providing & Fixing of Notice Board. Board Size (Inches): 12 Board Material: Softboard Core, Engineered Wood, Felt, Linen, Cork, Velvet Cloth Surface	Nos	1		
17	Providing & Suppling of Vaccum Cleaner. 1. (A) Type wheel mounted industrial vacuum cleaner - Heavy duty rubber wheels and rugged design and user friendly type. (B) Should be Dry and Wet vacuuming. (C) Should be suitable for the continuous operation. 2. 3 phase, 415V, 50 HZ Induction motor of rating 5.5 KW (Minimum) should be totally enclosed fan cooled (TEFC) should have S1 duty. Efficiency class 2 (Minimum) in accordance with IEC and temperature rise to be limited to class 'B'. 2 (A) Electric Overload Protection by means of Automatic Motor Starters. 3. Air flow 510 (Min) (Cubic Mtr/Per Hour) 4. Vacuum at suction 3000mm W.G. (Minimum) 5. Suction Hose Length (Meter) 7 (Minimum) 6. Collecting Bin capacity 50 liters (Minimum) 7. Collecting bin type detachable & mounted on wheels-Detachable drop down collection tank with four rotating caster wheels. 7.(A) Fabric Filter with Manual Shaking Arrangement to Relieve Filter Clogging. 8. Noise level 82DB (Maximum) 9. Protection IP55 with Insulation Class F 10. Make Roots Multi clean, Dynavac or equivalent.	Nos	1		
18	Providing & Suppling of Automatic Washing Machine. 8 kg Fully-Automatic Front Loading Washing Machine, 1450 RPM: Higher the spin speed, faster the drying time, Washing Method - 6 Motion Direct Drive SIZE - 60CM X 85CM X 55CM	Nos	1		
19	Providing & Suppling of Room cooler. Product Dimensions : 38 x 50 x 91.5 cm; 9 Kilograms Item Weight : 9 kg Item Dimensions LxWxH : 38 x 50 x 91.5 Centimeters Included Components : 1 unit air cooler, 4 units castor wheel, 1 unit remote	Nos	1		

20	<p>Providing &amp; Suppling of AC. Capacity-1.5 ton Type-Split AC  Star Rating-3 Star  Compressor Type- Rotary Color-White  Input Power-1780 Watt (100% Cooling)  Weight 11.5 Kg (Indoor Unit),30 Kg (Outdoor Unit) Control Console Type-Remote Control  Refrigerant-R-32  Air Circulation-900  CMH Voltage 230 V  Rated Power Supply-Single/50 Phase/Hz  Cooling Capacity-5200 Watts (100% Cooling),2600 Watts (50% Cooling) Dimensions Outdoor Unit-800x275x550 mm (WxDxH)  Indoor Unit Dimension-910x210x310 mm (WxDxH) Rated ISEER-3.70 W/W  Heat Exchanger Copper  Moisture Removal Capacity-1.5 L/hr  IDU Fan Speed (T/ H / M / L)- 41/38/35/28 Rated Current-7.90 A (100% Cooling)</p>	Nos	1		
21	<p>Providing &amp; Suppling of Refrigerator. Door Types-Double  Door Energy Efficiency-3 Star  Door Type-Double Door  Body Material-Stainless Steel Type Of Freezer- Top Freeze</p>	Nos	1		
22	<p>Providing &amp; Suppling of Desktop Monitor. (23.5 inch) Curved LED Backlit Computer Monitor - Full HD, VA Panel with VGA, HDMI, Audio Ports  Providing &amp; Suppling of Control Processing Unit. i5 8 GB 500GB HDD Windows MS Office Intel HD Graphics, Memory and Storage, 8 GB DDR3 RAM with Intel HD Graphics, Hard Drive, 500GB HDD, Operating System, Windows, Preinstalled Software, MS Office, In the box, Desktop, Cord</p>	Nos	1		
23	<p>Providing &amp; Suppling of Big Size planters.  Material- Fiber Glass  Shape - Carved  Surface- Color Plated  Size- 1.5'x4'x2'</p>	Nos	1		
24	<p>Providing &amp; Suppling of Curtains. Size- 72" X 63", Supplying and fixing of window curtain of furnished fabric of approved design properly stitched with loops and pleat to be fixed to the drapery rod of S.S finish and necessary bracket. The cost including of all materials, labours, T&amp;P, taxes, royalties, transportation etc. all complete as per the direction of Engineer- in-charge. Cloth to be approved by the organisation.</p>	Nos	1		
25	<p>Providing &amp; Suppling of Eating tray.  Material- Stainless Steel  Colour- Silver  Shape- Rectangular  Size-39*31*3 Cm</p>	Nos	1		

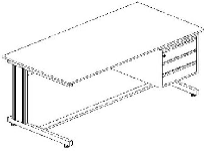



					
26	Providing & Suppling of Big Bowl Material- Stainless steel Colour – Silver Size- 2 Liters	Nos	1		
27	Providing & Suppling of Small bowl. Material- Stainless steel Colour- Silver Size- 100 ml	Nos	1		
28	Providing & Suppling of Tiffin Plate. Material- Stainless Steel Size-27cm*24cm Colour- Silver	Nos	1		
29	Providing & Suppling of Water glass. Material- Stainless Steel Size-350 ml Colour- Silver.	Nos	1		
30	Providing & Suppling of Spoon. Material- Stainless Steel Size-15.5 cm Colour- Silver.	Nos	1		
31	Providing & Suppling of Pressure Cooker (18 ltrs). Material -Stainless Steel	Nos	1		

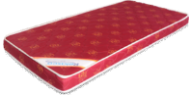



32	Providing & Suppling of Big Cooking Kadhei. Aluminium Kadai Vessel with Handle for Cooking, Capacity - 6Litres	Nos	1		
33	Providing & Suppling of Big Cooking Deg. Aluminium Patila/Tapeli with Handles (Silver, 32 L), Dimensions- Height-10 inch, diameter- 21 inch, capacity- 32 litre	Nos	1		
34	Providing & Suppling of Big Cooking Spatula. Stainless Steel Big Size Laddle, Dabbu, Chamcha with Wooden Handle	Nos	1		
35	Providing & Suppling of Gas Chulah (Single stove) Square Blue Coated Single Burner Mild Steel Finish Square Canteen Gas Stove/Iron Bhatti with Fitted Brass Nut Hose Pipe, Valve and Gas Lighter (10 Inch)	Nos	1		
36	Providing & Suppling of Kitchen Rack. 4 Layer 18 x 24 inch Stainless Steel Kitchen Dish Rack/Kitchen Utensils Stand	Nos	1		
37	Providing & Suppling of Steel Bucket (Serving Food). Non Joint -Leak Proof Stainless Steel Bucket, 8 L, Silver	Nos	1		
38	Providing & Suppling of Karchi Set Stainless Steel Kitchen Tool Set for Cooking, Set of 5, Silver (Includes: 1 Ladle Spatula, 1 Skimmer,1 Turner, 1 Ladle, 1 Slotted Turner, Made from heavy gauge stainless steel	Nos	1		
39	Providing & Suppling of Steel Water Drum. Stainless Steel Atta Drum,Water Pawali, Capacity - 20 litres	Nos	1		
40	Providing & Suppling of Dining Table mat Material – PVC washable type	Nos	1		
41	Providing & Suppling of Flat TV. Resolution-4K(1920 x 1080)p Display Size-40 Inches Mounting Type-Moving Stand Voltage-220 V Feature-Low Power Consumption Display Type- Smart Full HD	Nos	1		







42	Providing & Suppling of Hard Disk Formatted NTFS for Windows 10, Windows 8.1 Dimensions 16x4x13 cm,Storage Capacity -2 TB ,Weight 100 gm ,Interface -Hard Drive: USB 1.1	Nos	1		
43	<p>Providing &amp; Suppling of First Aid Kit. Adhesive tape,4" x 4" sterile gauze pads,Antacid - for indigestion, Antidiarrheal (Imodium, Pepto-Bismol, for example),Antihistamine cream,Antiseptic agent (small bottle liquid soap) - for cleaning wounds and hands</p> <p>Aspirin - for mild pain, heart attack Adhesive bandages (all sizes)</p> <p>Diphenhydramine (Benadryl) - oral antihistamine Book on first aid</p> <p>Cigarette lighter - to sterilize instruments and to be able to start a fire in the wilderness (to keep warm and to make smoke to signal for help, for examples)</p> <p>Cough medication</p> <p>Dental kit - for broken teeth, loss of crown or filling Exam gloves</p> <p>Small flashlight</p> <p>Ibuprofen (Advil is one brand name); another good choice is naprosyn (Aleve is a brand name)</p> <p>Insect repellent</p> <p>Knife (small Swiss Army-type)</p> <p>Moleskin - to apply to blisters or hot spots</p> <p>Nasal spray decongestant - for nasal congestion from colds or allergies</p> <p>Nonadhesive wound pads (Telfa)</p> <p>Polysporin antibiotic ointment Oral decongestant</p> <p>Personal medications (enough for the trip duration and perhaps a couple of extra in case of delays) and items (for example, a cane or knee braces if needed)</p> <p>Phone card with at least 60 minutes of time (and not a close expiration date) plus at least 10 quarters for pay phones and a list of important people to reach in an emergency; cell phone with charger (cell service is not available in may areas, especially remote areas)</p> <p>Plastic resealable bags (oven and sandwich)</p> <p>Pocket mask for CPR (although now, CPR does not have to be mouth to mouth)</p> <p>Safety pins (large and small)</p>	Nos	1		
44	<p>Providing &amp; Suppling of Electronic Metallic Bell.</p> <p>-6 inches gong for loud long range sound</p> <p>-Voltage-220 V</p> <p>Size-12*12*13 CM</p>	Nos	1		

45	<p>Providing &amp; Suppling of Library Table. Size: 6'4" x 2'6" x 2'6" ht. as per design with round edges of all 4 corners, Table top to be made of 12mm thick toughened glass supported on SS studs attached to base frames, base of the table finished in 4mm veneer of approved shade, Table to be constructed in hardwood framework with necessary provisions. Finished in veneer as/design and detail. All visible surfaces to be finished in same veneer other internal areas of Table to be finished in 1mm laminate of approved shade with 2"x 2" European/German Steamed Beech Moulding on all edges sides and polished with PU polish.</p>	Nos	1		
46	<p>Incinerator  Input Power-230 V AC, 50 Hz  Power Consumption- 800W  Burning Capacity- 200 napkins / day  Material - Mild Steel  Coating-Powder Coating  Mounting Type -Wall  Dimension (L x W x H)-240 x 240 x 420 mm  Weight- 20 Kg</p>	Nos.	1		

**Annexure III: Technical Specifications of Furniture, Fixture & Other Items as part of Renovation and Upgradation of different institutional buildings**







SL NO	Item Discription	U n i t		Reference Image	Basic Rate in figures to be entered by the Bidder In Rs. P
<b>INMATE ROOM SPECIFICATION</b>					
1	<p>Providing &amp; Fixing of Table</p> <p>Size:- Length:1200mm, Width: 600mm, Height 750mm C- Frame &amp; Tubular cold rolled close annealed Steel Structure. Fabrication involves only MIG/TIG &amp; Spot welding .Top made of 18mm thick pre-laminated particle board. Edge beading of edges by Through Feed Machine. Dotted embossed steel modesty panel at visitor's side and with three drawer ( W- 350mm, H-430mm D-575mm ) with branded roller. Provided with Drum Type Leveller. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface.</p>	N O S	1		
2	<p>Providing &amp; Fixing of Chair</p> <p>Size: Over all H: 1000-1100mm, Seat H: 460-560mm, D: Size: Over all H: 1000-1100mm, Seat H: 460-560mm, D: 625mm, W: 580mm, 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece Die castes PP arm rest. Quality tapestry. High density Moulded PU cushion. Upholstery 0.85 Mtr.</p>	N O S	1		
3	<p>Providing &amp; Fixing of Two Seater Sofa. Specification- Size- H- 750 mm, L- 1410 mm, D- 770 mm. Seat Height:- 465 mm. Handle Height:- 710 mm. Structure made of Pine Wood, fitted with 50mm wide rubberized belts 50mm wide with 28 density U foam as per design, Upholstered with premium quality PU cloth/Leatherite with help of stitching, where ever necessary. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	N O S	1		
4	<p>Providing &amp; Fixing of SINGLE INMATE BED BOX BED</p> <p>Overall Size:Length - 2060.0 mm Width - 1131.0 mm Height - 945.0 mm Material:Bed Structure shall consist of metal frames made of M.S. Channels in 1.0 mm Thickness.Horizontal plinths and bottom plinth should be made up of 25 mm Thick Prelaminated Particle Board. Head board should be made up of 18 mm thick Pre-laminated Particle board with imported H.D.F. foil wrapped decorative trims fixed to it.Tail board should be made up of 18 mm thick Pre-laminated Particle board with imported H.D.F. foil wrapped decorative trims fixed to it. Side rail should be made up of 18 mm thick Pre-laminated Particle board with imported H.D.F. foil wrapped decorative trims fixed on to it.Mattress panels of Bed should be made up of 18 mm thick Pre-laminated Particle Board with all the exposed edges are edge banded with 0.8 mm thick PVC edge banding. Construction:Knock Down construction.Packets: 1 Bed in 1 packets. Finish:18 mm thick Pre-laminated Particle Board is in Walnut shade. Metal frames are powder coated in shade Mat Black to the thickness of 50 microns(+/-10). Full size top openable storage with piono hinges.</p> <p>Both the options viz. MDF Board membrane pressed/ MDF board with superior quality laminated having thickness minimum 1mm are acceptable. Colour scheme shall be as approved by the furniture purchase committee.</p>	N O S	1		







5	<p>Providing &amp; Suppling of Mattress  Size - 6'3" x 3'3" x 4"  Mattress must be ISO certified company. Rubberized Coir Mattress, both side quilted.</p>	Nos	1		
6	<p>Providing &amp; Fixing of Steel Almirah  Size:- Size:-height:1980mm width:910mm depth:485mm Body part made-up of prime quality cold rolled close annealed Sheet Use only MIG/TIG &amp; Spot welding for fabrication.4 adjustable shelf. Three way locking device with six levers superior quality lock for Door. Doors are mounted on steel hinge brackets. Body 22 Gauge, Door 20 Gauge. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	Nos	1		
7	<p>Providing &amp; Suppling of Window Curtains  SIZE - 72" X 63"  Supplying and fixing of window curtain of furnished fabric of approved design properly stitched with loops and pleat to be fixed to the drapery rod of S.S finish and necessary bracket .The cost including of all materials, labours, T&amp;P, taxes, royalties, transportation etc. all complete Cloth to be approved by</p>	Nos	1		
8	<p>Providing &amp; Suppling of Door Curtains  SIZE - 48" X84"  Supplying and fixing of door curtain of furnished fabric of approved design properly stiched with loops and pleat to be fixed to the drapery rod of S.S finish and necessary bracket .The cost including of all materials, labours, T&amp;P, taxes, royalties, transportation etc. all complete Cloth to be approved by the organisation.</p>	Nos	1		
9	<p>Providing &amp; Suppling of  PILLOW Cotton Rectangular  Bed Pillow, Colour White  Fill Material  Microfiber Shape  Rectangular Pillow  Type Bed Pillow</p>	Nos	1		






10	<p>Providing &amp; Suppling of Single Bedsheet SIZE - (60 in x 90 in) 100% Pure cotton bedsheet, coloured, All bed sheets to be labeled</p>	Nos	1		
11	<p>Providing &amp; Suppling of Single Blanket SIZE - 65 X 95 INCH Cotton fleece blankets single washable and dryable, All bed sheets to be labeled , solid coloured</p>	Nos	1		
<b>KITCHEN AND DINING HALL SPECIFICATION</b>					
12	<p>Providing &amp; Fixing of Six Seater Dining Table SIZE - 7'0" X 2'6" X 2'6" 1. Table top to be made of 1.2mm stainless steel [SS 304] sheet double bent on all sides provide it edge strength and 20G hat – section stiffeners or equivalent to absolutely eliminate buckling of the top surface. The overall dimension of the bent portion all around the table to be 41.2mm. 3. The frame to be of size 40x40x1.2mm. Table top to be supported on four legs in 40x40mm size in 1.2mm stainless steel material. 4. All steel parts shall be buffed and TIG welded wherever necessary. 5. Nylon shoes are provided at the bottom of the legs inserted into pipe with pop rivet.</p>	Nos	1		
13	<p>Providing &amp; Fixing of Four Seater Dining Table 1. Table top to be made of 1.2mm stainless steel [SS 304] sheet double bent on all sides provide it edge strength and 20G hat – section stiffeners or equivalent to absolutely eliminate buckling of the top surface. The overall dimension of the bent portion all around the table to be 41.2mm. 3. The frame to be of size 40x40x1.2mm. Table top to be supported on four legs in 40x40mm size in 1.2mm stainless steel material. 4. All steel parts shall be buffed and TIG welded wherever necessary. 5. Nylon shoes are provided at the bottom of the legs inserted into pipe with pop rivet. 6. No leg rest or cross bar to be provided</p>	Nos	1		
14	<p>Providing &amp; Fixing of Dining Chair Overall Size : Width: 430mm , Depth: 540mm , Height: 860mm, Seat Height: 475mm. Stainless Steel frame Cafeteria Chair made with SS tube fitted with 12 mm laminated Plywood. Kackrest also made in SS tube moulded to support Back rest ergonomically. The overall appearance of the product shall be as per photograph.</p>	Nos	1		
15	<p>Providing &amp; Fixing of Serving Counter SIZE - 6'0" X 2'0" X 3'0" Stainless steel food service counter with food trays and shelves below the counter. Service counter with 5 containers of 20 ltrs cap. Measuring 20.75" x 12.75" x 6" and 1 feet extended tray shelf and spil tray with 3 sides blinder fitted with 2KW heating coil with thermostat</p>	Nos	1		










16	Providing & Suppling of Eating Tray SIZE - 39 x 35 x 3 Centimeters Stainless Steel Rectangle Dinner Plate w/8 Sections Divided Mess Tray	Nos	1		
17	Providing & Suppling of Eating Bowl (Big) / Khuri Stainless Steel Solid Bowl, 15CM dia bowl, Stainless Steel Outer mirror finish, Inner matte finish	Nos	1		
18	Providing & Suppling of Eating Bowl (Small) / Gina Stainless Steel Bowls, Dia – 9.8 x 9.8x 5.2Cm, Capacity – 300ML, Weight – 140gms	Nos	1		
19	Providing & Suppling of Small Eating Tray for Breakfast SIZE - 23.5 x 19 x 2.6 Centimeters 20 Gauge Heavy Duty 2 in 1 Stainless Steel Kitchen and Dining Round Deep Compartment Divided Plate	Nos	1		
20	Providing & Suppling of Drinking Water Glass SIZE - 50 x 65 x 115 Millimeters, Stainless Steel 7.5 22G Glass, Capacity - 400 ml	Nos	1		
21	Providing & Suppling of Spoon SIZE - 25 x 25 x 2 Centimeters Stainless Steel Dinner Table Spoon, Made from 100% High Quality Grade Stainless Steel,Resistant to corrosion, 38g approx each spoon. All cutlery items should be well-designed with smooth edges and have 1.6 MM thickness stem to ensure high durability.	Nos	1		
22	Providing & Suppling of Pressure Cooker Aluminum Pressure Cooker, 18-L, Capacity 18 litres Item Dimensions LxWxH 45.7 x 33 x 43.2 Centimeters	Nos	1		
23	Providing & Suppling of Cooking Kadai (Big) Aluminium Kadai Vessel with Handle for Cooking, Capacity - 6Litres	Nos	1		
24	Providing & Suppling of Cooking Deg Aluminium Patila/Tapeli with Handles (Silver, 32 L), Dimensions- Height-10 inch, diameter- 21 inch, capacity- 32 litre	Nos	1		









25	Providing & Suppling of Big Cooking Spatula Stainless Steel Big Size Laddle, Dabbu, Chamcha with Wooden Handle.	Nos	1		
26	Providing & Suppling of Big Gas Chulha Single Stove Square Blue Coated Single Burner Mild Steel Finish Square Canteen Gas Stove/Iron Bhatti with Fitted Brass Nut Hose Pipe, Valve and Gas Lighter (10 Inch)	Nos	1		
27	Providing & Suppling of Kitchen Rack 4 Layer 18 x 24 inch Stainless Steel Kitchen Dish Rack/Kitchen Utensils Stand	Nos	1		
28	Providing & Suppling of Bucket (Steel) Serving Food Non Joint -Leak Proof Stainless Steel Bucket, 8 L, Silver	Nos	1		
29	Providing & Suppling of Karachi Set Stainless Steel Kitchen Tool Set for Cooking, Set of 5, Silver (Includes: 1 Ladle Spatula, 1 Skimmer,1 Turner, 1 Ladle, 1 Slotted Turner, Made from heavy gauge stainless steel	Nos	1		
30	Providing & Suppling of Food Storing Tasla Stainless Steel Tasla with Lid, 5.7 Litre, Item Dimensions LxWxH 32.5 x 32.5 x 12.2 Centimeters	Nos	1		
31	Providing & Suppling of Steel Water Drum (Medium) Stainless Steel Atta Drum,Water Pawali, Capacity - 20 litres	Nos	1		
32	Providing & Suppling of Semi-Automatic Roti Making Machine. SS -304 conveyor type roti making machine, Capacity -500 roti per hour. Automatic Grade Product type -Belt Type LPG Consumption – 2Kg per hour Type- Electric,Gaseous Power- 1HP – 2 Motor	Nos	1		









	Weight of Roti-20gm to 35 gm Thickness of Roti-1-1.5 mm				
<b>OFFICE AND RECEPTION PART SPECIFICATION</b>					
33	Providing & Fixing of Office Desk Providing Office Table having top made up of 30mm thick PPB + PVC foiled Strip with PVC Chrome Strip on Modesty and other structure made up of 18mm thick PPB with PVC edge banding, including all fixtures and fasteners, etc. complete as per approved shade. Size:- 1350(W) X 750 (D) X 750 (H)	Nos	1		
34	Providing & Fixing of Side Credenza Providing Side Storage having 3 Drawer ( BBF ) + 1 Shutter, top made up of 25mm thick PPB with PVC edge banding and other structure made up of 18mm & 9mm thick PPB with PVC edge banding including all fixtures and fasteners, etc. complete as per approved shade. Size:- 900(W) X 450(D) X 750(H)	Nos	1		
35	Providing & Fixing of Reception Desk Providing Table having table top made up of 25mm thick PPB with understructure made in 18mm thick PPB with PVC edge banding & necessary w/m cap including all fixtures and fasteners, etc. complete as per approved shade. Size:- 2400(W)X750(D)X1000(H)	Nos	1		
36	Providing & Fixing of Executive Chair High Back Size: Total Height-1070-1190mm, Depth 685mm, Width-590mm Seat Height:425-510mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece integral skin PU arm rest. Quality tapestry. High density Moulded PU cushion. Upholstery 1.5 Mtr.	Nos	1		
37	Providing & Fixing of Office Chair Size: Total Height-810-895mm, Depth 685mm, Width-555mm Seat Height:425-510mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece integral skin PU arm rest. Quality tapestry. High density Moulded PU cushion. Upholstery 1.2 Mtr.	Nos	1		
38	Providing & Fixing of Single Cushion Waiting Chair Size: Total Height-840mm, Depth 600mm, Width-575mm Seat Height:450mm. Under Structure cantilever type MS cold rolled close annealed Tube 1.6 mm thick. Hot pressed ply wood with steel T-Nuts for rigid fastening. Single piece integral skin PU arm rest. Quality tapestry. Seat and back covered with PP covers. High density PU moulded cushion. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. Upholstery 1.2 Mtr.	Nos	1		








39	<p>Providing &amp; Fixing of Three Seater waiting Chair. Over all sizes- 1765mm X 710mm X 775mm (L X W X H). 3- Seater visitor bench with 3 individual seats of 450 mm. width.Made of MS cold rolled close annealed press formed Sheet components duly seamless welded to get proper finish. Steel perforated MS moulded one piece seat and back fitted in moulded chrome plated side strips. three individual seats fitted on MS tube support of 75mm x 35mm. seat and bottom support are Powder coated. The open- ends of the pipes will be covered&amp; finished. All joints will be properly welded &amp; finished. The whole structure including seats are powder- coated.</p>	Nos	1		
40	<p>Providing &amp; Fixing of Two Seater waiting Chair. Over all sizes- 1180mm X 710mm X 775mm (L X W X H). 2 - Seater visitor bench with 2 individual seats of 450 mm. width.Made of MS cold rolled close annealed press formed Sheet components duly seamless welded to get proper finish. Steel perforated MS moulded one piece seat and back fitted in moulded chrome plated side strips. three individual seats fitted on MS tube support of 75mm x 35mm. seat and bottom support are Powder coated. The open- ends of the pipes will be covered&amp; finished. All joints will be properly welded &amp; finished. The whole structure including seats are powder- coated.</p>	Nos	1		
41	<p>Providing &amp; Fixing of Office Storage Cabinet Size:-height:1980mm, width:910mm depth:380mm Body part made-up of prime quality cold rolled close annealed Sheet Use only MIG/TIG &amp; Spot welding for fabrication.5 adjustable shelf. Three way locking device with six levers superior quality lock for Door. Doors made of press formed MS cold rolled close annealed sections with 4mm glass. Doors are mounted on steel hinge brackets. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	Nos	1		
42	<p>Providing &amp; Fixing of 16 Mild Steel Compartment Storage Locker Size:- Height:1950mm, Width:1520mm, Depth:450mm ( 16 door), Body part made-up of prime quality "cold rolled close annealed" Sheet of 1mm &amp; 0.8mm thickness, Knockdown constructions, Individual compartment having individual door, with 4 multipurpose lock. Holes are provided in doors for ventilation. Doors are mounted on Pivot with steel handle. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	Nos	1		
43	<p>Providing &amp; Fixing of Library Rack Size:- Height:1750mm, Width:920 mm, Depth:330 mm( 4-Door ) Material Prime quality CRCA sheet 0.8mm thick. Compartment door: Each compartment shall provide to-hung glass door, which swings, open upwards and slides into the casing when fully open by means of rollers. The overall size of glass 3mm thickness shall be such, that all the books in compartment shall be visible. for proper alignment of glass door cross plate (patti) arrangement i.e. scissor system is to be fitted in each door. Construction: All the components are neat and clean with strong joints. Lock &amp; Handles: Two Nos. good quality handles are provided on each door with precision lock. Key shall be common for all compartment lock. Finish: The bookcase shall be powder coated after seven tanks pre-treatment.</p>	Nos	1		
44	<p>Providing &amp; Fixing of Hexagonal Table Overall Dimension: 1200mm L x W 1040mm x H 750mm  <ul style="list-style-type: none"> <li>• Seating capacity 3 people.</li> <li>• Made up of 25mm Thick Prelaminated Partical Board • One side laminated, Color matching to running Color Scheme • Edges finished with 2mm self glued hot pressed PVC Edge Bidingby Rehau or equivalent. • Metal base frame Round Pipe Lef structure 22mm dia heavy gauge fixed on tube frame assembly ,further provisioned with side panels CRCA metal sheets • Base finished with powdercoat. • Powder coating of all the metal units must be of 70 micron tank process with oven baking coat by polyster powder coating. • Provisioned with Vertebrae. Manufactured out of plastic and is flexible.</li> <li>• Ideal for concealing electrical and data cables separately at a work station in an organized way. • Hardware - Ebco, Hettich, Enox or Equivalent •PARTICAL bOARD – Associate, Action Tesa Brand or Equivalent and complying IS 14587:1998 std. Does not include - Electrical switch socket and wiring</li> </ul> </p>	Nos	1		








45	<p>Providing &amp; Fixing of Library Room Table  Size: 6'0" x 2'6" x 2'6" ht. as per design with round edges of all 4 corners, Table top to be made of 12mm thick toughened glass supported on SS studs attached to base frames, base of the table finished in 4mm veneer of approved shade, Table to be constructed in hardwood framework with necessary provisions. Finished in veneer as/design and detail. All visible surfaces to be finished in same veneer other internal areas of Table to be finished in 1mm laminate of approved shade with 2"x 2" European/German Steamed Beech Moulding on all edges sides and polished with PU polish.</p>	Nos	1		
46	<p>Providing &amp; Fixing of Library Room Teapoy  center table of size 4'0" x 1'6" x 1'6"mm (H) with 25mm thick top and sides made of superior quality 25mm thick particle board of grade II, type II confirming to IS: 12823 of approved shade. The top and side panels will be clad with special post forming laminated of thickness 0.62X0.8mm.</p>	Nos	1		
47	<p>Providing &amp; Fixing of Three Seater Sofa  Specification- Size-H-870 mm, L-1940 mm, D-840 mm. Structure made of Pine Wood, fitted with 50mm wide rubberized belts 50mm wide with 28 density U foam as per design, Upholstered with premium quality PU cloth/Leatherite with help of stitching, where ever necessary. Tapestry- 06 Mtr.</p>	Nos	1		
48	<p>Providing &amp; Fixing of Single Seater Sofa  Specification- Size-H-870 mm, L-925 mm, D-840 mm. Structure made of Pine Wood, fitted with 50mm wide rubberized belts 50mm wide with 28 density U foam as per design, Upholstered with premium quality PU cloth/Leatherite with help of stitching, where ever necessary. Tapestry- 04 Mtr</p>	Nos	1		
49	<p>Providing &amp; Fixing of Console. Size:- 1800(W)X400(D)x750(H) Providing TV console made in 18mm thick PPB with PVC edge banding, including all fixtures and fasteners, etc. complete as per approved shade.</p>	Nos	1		








50	Providing & Fixing of TV Unit. Size:- 2100 Hx530 Dx1800 W. Providing Tv unit made in 15mm & 9mm thick PPB with PVC edgebanding, including all fixtures and fasteners, etc complete as per approved shade.	Nos	1		
51	Providing & Fixing of Photo Display Board. SIZE - 7'0" X 4" X 4'6" Made of 19mm commercial laminated plywood with aluminum frame to hold sliding glass. Back side shall have tackboard to pin up any notice.	Nos	1		
52	Providing & Fixing of Notice Board. SIZE - 5'0" X 4" X 4'6" Made of 19mm commercial laminated plywood with aluminum frame to hold sliding glass. Back side shall have tackboard to pin up any notice.	Nos	1		
<b>GYM AREA SPECIFICATION</b>					
53	Providing & Suppling of Low Impact Treadmill Technical parameters:- Monitor-Led 9 windows display. Display content- Calories, Time, Distance, Incline, Speed, Pause. Programs- Manul 8 Preset, 02 user programs. Motor Type- AC Motor. Power- 4.0 H.p 8.0 HP Peak. Speed Range- 1-22 Km/h. Incline- Auto Incline 0-20%. Handlebar- PU armrest. Heart rate- Display heart rate through touching handles. Max. user's weight- 200 kg. Walking area- 1620 x 530 (mm.). Belt Size- 3480 x 530 mm. Dimension- 2250 x 900 x 1600 mm. (LxWxH).	Nos	1		
54	Providing & Suppling of Exercise Spin Bike. Length: 104cm / 41" Width: 64cm / 25" Height: 119cm / 47" Weight: 46Kg / 101 lbs. Recommended maximum user weight: 105Kg / 232 lbs. Flywheel weight: 18Kg / 40 lbs	Nos	1		
55	Providing & Suppling of Swiss Ball. Gym ball for back exercises and posture correction With Inflatable pump included in the package. To be used for abdominal exercise and other aerobic exercises Anti-burst gym ball. (Size 65cm, 75cm and 85cm	Nos	1		
56	Providing & Suppling of Indoor Sports Kit. All Indore Sports Kit Which Can Be Played	Nos	1		
57	Providing & Suppling of Resistant Band. Premium Elastic Mini Stretch Bands are highly durable. It can be used by both Men & Women for legs & butts toning exercises. Elasticized-Fabric Band	Nos	1		
58	Providing & Suppling of Gym Matting. Gym Matting made up of EVA with JSR Technology and interlocking system Dimensioning 2ftx2ftx10mm.	Sq m	1		
<b>ELECTRICAL ITEMS SPECIFICATION</b>					







59	Providing & Suppling of Flat TV. Providing, Fixing, Supplying & installation of 32" LED TV screen (SONY/ LG/ SAMSUNG /PANASONIC) with USB Ports, 4 HDMI Ports, Ethernet Port, PC Input VGA Port with 2 Speakers, minimum 50 W Output, Dolby Digital sound.	Nos	1		
60	Providing & Suppling of Camera (HD). Digital SLR Camera (Black) with EF S18-55 is II Lens	Nos	1		
61	Providing & Suppling of Hard Disk for Strong Photos. Western Digital 4TB USB 3.0 My Passport Portable External Hard Drive, with Automatic Backup, Compatible with PC, PS4 & Xbox	Nos	1		
62	Providing & Suppling of Sound System for Halls. Surround Sound Speaker System - THX, Dolby Digital and DTS Digital Certified - Black Item Dimensions LxWxH 15.2 x 17 x 17.3 inches, omputer Memory Type 72-Pin EDO SIMM Memory, Sub woofer: 165 Watts	Nos	1		
63	Providing & Suppling of Air Conditioner. 1.5 Ton 4 Star BEE Rating 2021 : For energy savings upto 20% (compared to Non-Inverter 1 Star), Auto Restart: No need to manually reset the settings post power-cut, Copper : Energy efficient, best in class cooling with easy maintenance. Sleep Mode: Auto-adjusts the temperature to ensure comfort during your sleep	Nos	1		
64	Providing & Suppling of Room Cooler. Tower Air Cooler - 34L Capacity, Ideal for room size of upto 300 sq ft. 3 way speed control; Quite Performance; Four way air deflection Power: 175 watts; Operating voltage: 230 V; Works of inverter: Yes SIZE : 46.5cm x 30.8 cm x 84.0 cm	Nos	1		
65	Providing & Suppling of Washing Machine. 8 kg Fully-Automatic Front Loading Washing Machine, 1450 RPM: Higher the spin speed, faster the drying time, Washing Method - 6 Motion Direct Drive SIZE - 60CM X 85CM X 55CM	Nos	1		
66	Providing & Suppling of Vaccum Cleaner. Wet and Dry Vacuum Cleaner with Power Suction, Low Sound, High Energy Efficiency, Strong suction of 200 Air Watt and vacuum of 20 KPa. Capacity 15 litres with 3 L dust bag SIZE LxWxH 35.5 x 35.5 x 49 Centimeters Equipped with BIS plug and cable for extra safety and thermostat function to protect from overheating	Nos	1		

67	Providing & Suppling of Refrigerator Big. 4 Star Frost Free Inverter Triple Door Refrigerator, Side by Side Frost Free Refrigerator: Premium refrigerators with auto-defrost function to prevent ice build-up, Capacity 580 liters, Twin Cooling Plus - Optimizes the temperature and humidity in the fridge and freezer with independent cooling. SIZE - 817 mm X 765 mm X 1776 mm	Nos	1		
68	Providing & Suppling of Refrigerator Small. Single Door 4 Star Refrigerator with Base Drawer, Capacity 190 liters, Direct Cool : Economical, consumes less electricity, requires manual defrosting SIZE - 534MM X 633MM X 1326MM	Nos	1		
69	Providing & Fixing of of Deep Freezer. Dimension: 1680 x 665 x 830 mm Temperature: <-18°C Frequency: 50 Hz Sub Type: Double Door Chest Freezer Refrigerant Type: R-134a	Nos	1		
70	Providing & Fixing of of Computer Projector. Full HD 1280 x 720 Home Theatre Projector 2800 Lumens with Built in Speaker, HDMI, VGA, USB, AV in, mSD Slot, AUX Out, 1080p Support and Remote Control, screen size:127-305 cm/native resolution:1280x720p hd	Nos	1		
71	Providing & Fixing of of Computer System. DESKTOP MONITOR (23.5 inch) Curved LED Backlit Computer Monitor - Full HD, VA Panel with VGA, HDMI, Audio Ports CONTOL PROCESSING UNIT i5 8 GB 500GB HDD Windows MS Office Intel HD Graphics, Memory and Storage, 8 GB DDR3 RAM with Intel HD Graphics, Hard Drive, 500GB HDD, Operating System, Windows, Preinstalled Software, MS Office, In the box, Desktop, Cord UPS - 900VA Line Interactive UPS, Item Dimensions LxWxH 12 x 36 x 16 Centimeters	Nos	1		
<b>PHYSIOTHERAPY EQUIPMENTS ITEMS SPECIFICATION</b>					
72	Providing & Fixing of of Folding Parallel Walking Bar. Parallel Bars, Exercise Bars, Physical Therapy Parallel Bars. Parallel bars are medical devices specifically used in physical and occupational rehabilitation therapy to assist individuals to re-learn to walk and for gait training, as well as to regain balance, strength, range of motion, and mobility. Stainless steel 3m long	Nos	1		
73	Providing & Fixing of of Electric Gait Trainer Door Frame Rehabilitation Equipment with Treadmill and Exercise Bike. It is used for patients after stroke, patients in long-term bed and other lower limb dysfunction. With the help of the gait training device, the patients could recover the lower limb function gradually, the muscle becomes stronger and reduce stiffness. Size: 200*151*241cm Max rising speed of inboard and outboard frame:11mm/s	Nos	1		
74	Providing & Suppling of Physiotherapy Seated Electric Leg Exerciser. Physiotherapy Seated Electric Leg Exerciser with 5 Levels Adjustable Low Speed Automatic Simulated Walking Equipment Machine for Promoting Full Body Blood Circulation (Seated Electric Leg Exercise)	Nos	1		








75	Providing & Suppling of Physio Treatment Bed. professional adjustable electric physiotherapy bed massage table	Nos	1		
<b>PUBLIC ADDRESS SYSTEM SPECIFICATION</b>					
76	Providing & Fixing of Power Amplifier for Public Address (PA) System. Power output : 90W RMS max. Total Harmonic Distortion (@ 60 watt) : Should not exceed 5%Output regulation : less than 3 db from no load to full load at 1 KHz Inputs/sensitivity : 4 Microphone0.65 mV/4.7K inputs and 1 Aux 100mV/470 koh Frequency response : 50 Hz ti 15 KHz +/- 3dB Signal to Noise Ration : 60 dB Tone control : Bass -10 dB @ 100Hz Treble -10 dB @ 10 KHz Speaker output : 4 ohm, 8 ohm, 16 ohm and 100V line for long distance speaker connection Power Source : 220VAC to 240 VAC, 50 Hz and DC 12V (Backup) Provision for automatic changeover from AC to 12V DC battery operation Protection : Fuse on both AC or DC	Nos	1		
77	Providing & Fixing of PA Column Speakers with wall mounting brackets. Input power : 10W RMS / 15 W max Power Taps : 10W/7.5W/5W/ 2.5W Operating voltage : 100V line matching transformer with rotary switch Frequency response : 150 Hz to 10 KHz Material : Metallic (Aluminium extruded housing) speaker Front : Metal Mesh Grill Mounting : Wall mounting metallic brackets for installation	Nos	1		
78	Providing & Fixing of ABS wall mount Speakers for indoor application. Input power : 5W RMS Operating voltage : 100V line matching transformer Frequency response : 60 Hz to 15 KHz Volume Control : 12 position rotary switch Mounting : Wall mounting with key hole	Nos	1		
79	Providing & Fixing of Desktop goose neck type paging microphone. Operating Switch : Two (One push to talk, second lock type) Frequency response : 50 Hz to 15 KHz Sensitivity : 2.5 mV/Pa Connection : Twin core Shielded low noise cable Length of cable : 5 meter or more Connector : dia 6.3 mm (1/4") Phone Plug	Nos	1		
<b>OTHER ITEMS SPECIFICATION</b>					
80	Providing & Fixing of Rack for Storage. Slotted angle racks of Depth 18" x Width 35" x Height 71". Having 5 loading level. Powder coated in desired shade. Panel 22swg 6 bend from CRCA Posco make and angle 16 swg 40x40.	Nos	1		
81	Providing & Suppling of Door Mat. PolypropyleneDoor Mat, Water Absorbent Dirt Trapper Rugs 40x60 cm (Black)-with Back Rubber Binding	Nos	1		





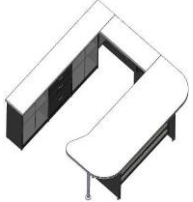
82	Providing & Suppling of Wall Clock. Plastic Quartz Abstract Wall Clock, Size: 32 cm x 32 cm x 2 cm	Nos	1		
83	Providing & Suppling of Indoor Planter Supply & placing indoor planter with plants . Type of plants will be finalized by Engineer-in-charge	Nos	1		
84	Providing & Suppling of Wheel Chair. Style- MAG Wheels Dimension: - 104x22x87 CMS Material: - Metal The wheelchair comprises superior quality rust-free mag wheels which increases the life span of this chair. The 24-inch rear wheels are for self- manoeuvring while the solid PVC front casters swivel at 360° to improve the wheel chairs movements.	Nos	1		
85	Providing & Suppling of Walker. Walker with an height adjustable feature and easy to fold making it easy for storage and transportation Walker made of MS pipes with standard grades of rubber, plastic and PVC PVC handgrip for better grip and comfort Weight of Walker 2.9 Kg with tolerance of 250gms	Nos	1		
86	Providing & Suppling of Acupressure Tools And Equipment's. Use: - Whole Body Material: - Wood-Metal Combo of: Energy Ball-Plastic (Small) + Energy Ball-Wooden + Finger Massager Pointed + Finger Massager Soft + Karela Roll-Plastic + Acu Magnetic Foot Mat-Pyramidal + Acupressure Jimmy + Acupressure Jimmy-Steel + 2 Sujok Finger Rings + Foot Roller Cut-V Wooden + Hand Roll-Pyramidal + Hand Roll-Soft + Karela Roll- Wooden + Thumb Jimmy -General	Nos	1		
87	Providing & Suppling of Arm Crutch Set Dimension 56x09x04 CMS Made Up of anodised aluminum with cushion	Nos	1		
88	Providing & Suppling of Yoga Mat. Size: 6ft x 2ft The mat can be used for yoga, floor exercises and Pilates,	Nos	1		
89	Providing & Suppling of Portable Conversion Commode Easy to Clean & Compact Storage with Lock for Added Security. Commode Chair is Foldable & Can be Carried Around at will.	Nos	1		

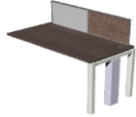




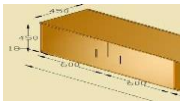
90	Providing & Suppling of Stretching String. Multi-Functional Resistance Bands - Pull Up Assist Bands - Stretch Resistance Band - Mobility Band Powerlifting Bands. They are excellent for body resistance training and physical therapy to help strengthen torn ligaments or muscles and ideal to work out your arms, back, legs, and butt.	Nos	1		
91	Providing & Suppling of Shower Chair with Back Rest Shower Chair handy aid for those who require reliable and reduce the risk of slips or falls.	Nos	1		
92	Providing & Suppling of Wall Mounted Indian Conversion wall mounted commode made from aluminium materials with high tensile strength, which makes it sturdy & heavy duty. capacity up to 100 folding design & saving space length adjustable & non-slip design	Nos	1		
93	Providing & Suppling of Bed Side Comfort Wedge  Bed Comfort Wedge Pillow designed to promote proper positioning of the body for people suffering from oesophageal reflux issues.	Nos	1		
94	Providing & Suppling of Bed Pan Bed Pan Made of Hard Plastic Material Heavy Duty And Durable	Nos	1		
94	Providing & Suppling of Waste Bin Bin Type of Product: Waste Bin Material: HDPE Capacity: 120 L Weight: - 08 To 10 (Kg) Standard Accessories : 2 Wheels Lid: Plastic Lid Wall Thickness: 3.5 mm Dimension: 575x475x930 mm	Nos	1		
96	Providing & Suppling of Musical Instruments Harmonium Dholak Manjira Khanjari	Nos	1		









97	<p>Providing &amp; Suppling of Weighing Scale. instant—step on the platform and receive accurate measurements in kilograms with "130KG CAPACITY".</p> <p>Built with a strong and durable "RUST PROOF IRON MATERIAL" resilient enough to provide years of fitness tracking.</p> <p>BUILT FOR PRECISION &amp; PERFORMANCE: HIGH QUALITY</p> <p>BUILT: SKID PROOF DESIGN</p>	Nos	1		
98	<p>Providing &amp; Suppling of Blood Glucometer. Blood Glucometer</p> <p>Item dimension: - 19x11x06 Weight: - 200 Gm</p> <p>Battery Type: - Lithium Fast result: in 5 Second</p> <p>Small105uL Blood Sample Size</p> <p>Large Memory Storage</p>	Nos	1		
99	<p>Providing &amp; Suppling of Electronic Blood Pressure Instrument. 1-touch operation</p> <p>Enhanced Intelligence technology Hypertension indicator</p> <p>Body movement detection Irregular heartbeat detection Fully automatic</p> <p>Personalized inflation for maximum comfort</p> <p>Quick deflation releases valve for speedy measurement</p>	Nos	1		
100	<p>Providing &amp; Suppling of Rubber Sheet For Bed. Ultrasoft Waterproof Dry Rubber Bed Sheet Cover/Toddler Sleeping Mattress Protector/Urine Non- Absorbent Reusable Crib Rubber Mat size (1 Meter) (36 x 39 Inches) (100 x 90 cm)</p>	Nos	1		
101	<p>Providing &amp; Suppling of Over Bed Table. Type: Pneumatic Size: - 72x20x30 Inch</p> <p>Type Of Product: - Over Bed Table</p> <p>Material:- Mattel Frame With Wooden Top</p>	Nos	1		
102	<p>Providing &amp; Suppling of Bed Side Rails. Bed Side</p> <p>Rail Size:0 1500 MM</p> <p>Material: - Aluminium</p> <p>Type:- Collapsible Side Railing</p>	Nos	1		


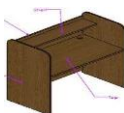


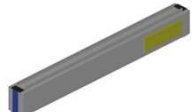



**Annexure IV: Schedule of requirement of Miscellaneous Items**






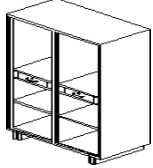
SL NO	Item Description	Unit	Qty.	Reference Image	Basic Rate in figures to be entered by the Bidder In Rs. P
1	Providing & Fixing of Round Table for Discussion. Diameter 750mm height: 750mm Top made of 25 thk Prelaminated Particle Board. All edges covered with pvc edge beading. Fitted with floor levellers at bottom. base structure in Plus shape made of 18mm .thk pre- laminated particle board. OR Frame made of 1.2 mm thk M.S. cold rolled close annealed tube duly Powder Coated/ Chrome plated.	No s	1		
2	Providing & Fixing of Round Table for Discussion. Diameter 900mm height: 750mm Top made of 25 thk Prelaminated Particle Board. All edges covered with pvc edge beading. Fitted with floor levellers at bottom. base structure in Plus shape made of 18mm .thk pre- laminated particle board. OR Frame made of 1.2 mm thk M.S. cold rolled close annealed tube duly Powder Coated/ Chrome plated.	No s	1		
3	Providing & Fixing of Executive Table. Overall table size : W 2100mm x D 900mm x H 750mm, Top made of 36mm thick BSL particle board and short sides duly seated with PVC edge beading of 2mm thickness. Base made of 36mm thick BSL particle board with levellers. Top supporting rail of 25mm thick BSL particle board. side runner of size W 1000mm x D 400mm x H 634mm. made of 18mm thick BSL Particle board and top 36mm BSL particle board. Side runner shall have one cupboard. pedestal with three drawer shall be provided of 450mm width.	No s	1		
4	Providing & Fixing of Executive Table. Overall table size : W 1800mm x D 900mm x H 750mm, Top made of 36mm thick BSL particle board and short sides duly seated with PVC edge beading of 2mm thickness. Base made of 36mm thick BSL particle board with levellers. Top supporting rail of 25mm thick BSL particle board. side runner of size W 900mm x D 400mm x H 634mm. made of 18mm thick BSL Particle board and top 36mm BSL particle board. Side runner shall have one cupboard. pedestal with three drawer shall be provided of 450mm width. <i>Overall appearance of the item shall be as per the photograph.</i>	No s	1		
5	Providing & Fixing of Office Table. Size:- Length:1200mm, Width: 600mm, Height: 750m. C– Frame Leg 200mm wide made of aluminium profile and cold rolled close annealed formed sections, having provision for wire management. Top made of 25mm thick Pre-laminated Particle Board. PVC Edge beading of 2mm thick by Through Feed Machine. Dotted embossed cable Duct and Perforated steel modesty panel on visitor's side. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	No s	1		
6	Providing & Fixing of Office Table. Size:- Length:1350mm, Width: 600mm, Height: 750mm, C– Frame Leg 200mm wide made of aluminium profile and cold rolled close annealed formed sections, having provision for wire management. Top made of 25mm thick Pre-laminated Particle Board. PVC Edge beading of 2mm thick by Through Feed Machine. Dotted embossed cable Duct and Perforated steel modesty panel on visitor's side .All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface.	N OS	1		
7	Providing & Fixing of Office Table. Size:- Length:1800mm, Width: 900mm, Height: 750mm, C– Frame Leg 200mm wide made of aluminium profile and cold rolled close annealed formed sections, having provision for wire management. Top made of 25mm thick Pre-laminated Particle Board. Edge beading of edges by Through Feed Machine. Dotted embossed cable Duct and Perforated steel modesty panel on visitor's side .All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N OS	1		

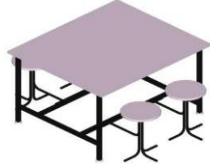



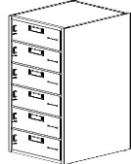
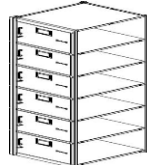
8	<p>Providing &amp; Fixing of Office Table. Overall Size:- Length:1500mm, Width: 750mm, Height: 750mm, Top made of 25mm thick Pre-laminated Particle Board. PVC edge beading of 2 mm edges by Through Feed Machine. Provision of Cable manager as per L.H. or R.H. side requirement. Cable duct made of 0.8 mm CRCA Sheet. Leg/Side made of 25 mm thick PLPB fitted with Aluminium section of size 60X40 with grooving. Leg/Side Base &amp; Top plate with profile cut made of M.S. plate 44 mm width &amp; 4 mm thk with knock down fitting arrangement. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface.</p> <p>The overall appearance of the product shall be as per photograph.</p>	N OS	1		
9	<p>Providing &amp; Fixing of Office table with side table. Overall Size:- Length:1500mm, Width: 750mm, Height: 750mm, Top made of 25 mm thick Pre-laminated Particle Board. PVC edge beading of 2 mm edges by Through Feed Machine. Provision of Cable manager as per L.H. or R.H. side requirement. Cable duct made of 0.8 mm CRCA Sheet. Leg/Side made of 25 mm thick PLPB fitted with Aluminium section of size 60X40 with grooving. Leg/Side Base &amp; Top plate with profile cut made of M.S. plate 44 mm width &amp; 4 mm thk with knock down fitting arrangement. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface.</p>	N OS	1		
10	<p>Providing &amp; Fixing of Office table with side table. Overall Size:- Length:1800mm, Width: 900mm, Height: 750mm, Top made of 35 mm thick Pre-laminated Particle Board. PVC edge beading of 2 mm edges by Through Feed Machine. Provision of Cable manager as per L.H. or R.H. side requirement. Cable duct made of 0.8 mm CRCA Sheet. Leg/Side made of 25 mm thick PLPB fitted with Aluminium section of size 60X40 with grooving. Leg/Side Base &amp; Top plate with profile cut made of M.S. plate 44 mm width &amp; 4 mm thk with knock down fitting arrangement. with side table &amp; pedestal unit. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface.</p> <p>The overall appearance of the product shall be as per photograph.</p>	N OS	1		
11	<p>Providing &amp; Fixing of Office table with Pedestal. Overall Size:- Length:1500mm, Width: 750mm, Height: 750mm, Top made of 25mm thick Pre-laminated Particle Board. PVC edge beading of 2 mm edges by Through Feed Machine. Provision of Cable manager as per L.H. or R.H. side requirement. Cable duct made of 0.8 mm CRCA Sheet. Leg/Side made of 25 mm thick PLPB fitted with Aluminium section of size 60X40 with grooving. Leg/Side Base &amp; Top plate with profile cut made of M.S. plate 44 mm width &amp; 4 mm thk with knock down fitting arrangement. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. Pedestal:- Mobile Pedestal unit PLPB- Size: Height:650mm, Width:400mm, Depth:450mm Top made of 18mm thick Pre-laminated Particle Board. Side ,back and drawer front are made by 18mm thk. Pre-laminated Particle Board. Metallic finish heavy duty handle. Superior quality make front mounted lock. provision of Casters for mobility. Special drawer slides for filing drawer. Other drawers on roller slides.</p> <p>Overall appearance of product as per photograph</p> <p>The overall appearance of the product shall be as per photograph.</p>	N OS	1		
12	<p>Providing &amp; Fixing of Director/CEO Table. Overall size 3000mm x 1200mm x 750mm with top made of 25mm PLPB and 12mm thick corian top &amp; edges of the table shall also with corian. The table shall have 2 former module supported on steel vertical post of 65mm Dia X 1.6mm duly powder coated. The main table shall have understructure having verticals made of 36mm thick particle board post formed legs supported with 32mm dia. steel studs duly powder coated and modesty made of 18mm thick particle board having decorative laminate on both sides. Footrest shall be made out of 18mm PLPB. Side unit- <b>Side Unit</b> having overall size 1310x500x750mm, - Made of 25 mm PLPB with 12 mm thick corian top &amp; edges of the table also with corian. Side unit shall have understructure having verticals made of 25mm thick post formed and made of 18mm thick pre laminated particle board having decorative laminate. The side unit shall have a provision for keyboard openable space for CPU and a printer shelf and an openable shutter in 18mm PLPB as per Drawing. <b>Back Unit</b>- Back Unit having overall size 3000 mm x500mmx750mm with top made of 25 mm PLPB with 12mm thick corian top &amp; edges of the table also with corian. Storage unit of size 2500x500x750mm shall have understructure having verticals made of 25mm thick pre laminated particle with 2 openable Glass shutter storage unit. Drawer fascia in PLPB 18mm thick.</p>	N OS	1		


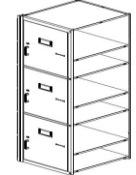
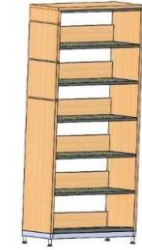
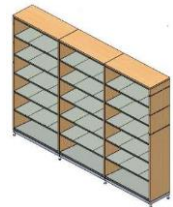

13	<b>Providing &amp; Fixing of Linear Workstation Single Side Main Desk-</b> Non sharing linear workstation Main Desk ( 1200 x 600 ) without pedestal. Made of 25mm thick pre laminated particle board top with pvc edge bending. aluminium frame Screen of size 1050mm x 350mm in With fabric. Under structure of top made up of 50mm x 50mm x 1.6mm thick & 40mm x 40mm x 1.6mm thick erw tube. with provision of horizontal cable tray made up of 0.8mm cold rolled close annealed sheet curved with bottom & side pillar. All steel components are epoxy powder coated followed by saran tanks anti corrosion.	N OS	1		
14	<b>Providing &amp; Fixing of Linear Workstation Single Side Add-on Desk-</b> Non sharing linear workstation Add-on Desk ( 1200 x 600 ) without pedestal. Made of 25mm thick pre laminated particle board top with pvc edge bending. aluminium frame Screen of size 1050mm x 350mm in With fabric. Under structure of top made up of 50mm x 50mm x 1.6mm thick & 40mm x 40mm x 1.6mm thick erw tube. with provision of horizontal cable tray made up of 0.8mm cold rolled close annealed sheet curved with bottom & side pillar. All steel components are epoxy powder coated followed by seven tanks anti corrosion.	N OS	1		
15	<b>Providing &amp; Fixing of Linear Workstation Both Side Main Desk-</b> Sharing linear workstation Main Desk ( 1200 x 1200 ) without pedestal. Made of 25mm thick pre laminated particle board top with pvc edge bending. aluminium frame Screen of size 1050mm x 350mm in With fabric. Under structure of top made up of 50mm x 50mm x 1.6mm thick & 40mm x 40mm x 1.6mm thick erw tube. with provision of horizontal cable tray made up of 0.8mm cold rolled close annealed sheet curved with bottom & side pillar. All steel components are epoxy powder coated followed by seven tanks anti corrosion	N OS	1		
16	<b>Providing &amp; Fixing of Linear Workstation Both Side Adon Desk-</b> Sharing linear workstation Add-on Desk ( 1200 x 1200 ) without pedestal. Made of 25mm thk pre laminated particle board top with pic edge bending. aluminium frame Screen of size 1050mm x 350mm in With fabric. Under structure of top made up of 50mm x 50mm x 1.6mm thick & 40mm x 40mm x 1.6mm thick erw tube. with provision of horizontal cable tray made up of 0.8mm cold rolled close annealed sheet curved with bottom & side pillar. All steel components are epoxy powder coated followed by seven tanks anti corrosion	N OS	1		
17	<b>Providing &amp; Fixing of 70mm Thick Tiles Base Partition-</b> Internal Frame are made by 1.6mm thk. cold rolled close annealed powder coated Sections. Tiles are made by 12mm. Thk. Pre laminate particle board. Tiles are also available in Glass, Fabric and Steel option. Frame structure are fabricated by MIG/TIG welding Machine. Tiles are fitted by high strength PVC Dowel in PVC Insert with transition fit. provision of Slot for cabling and accessories. upper and side trim are 1mm thk. extruded powder coated aluminium section and Pole is 1.6mm Thick Aluminium.	S q · M tr ·	1		
18	Providing & Fixing of side storage with extra top. Size: Height:750mm, Width:900mm, Depth:450mm Body part made-up of prime quality CRCA Sheet Use only MIG/TIG & Spot welding for fabrication. Top made of 18mm thick PLPB. Side Edges covered with PVC edge band on edge bending machine. Provision of drawer below table top with telescopic channel. Door set make lock. PVC/ Aluminium handles. Doors in PLPB/CRCA M.S. Sheet. Doors are Top hung slide on roller bearing. All steel components should be epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N OS	1		
19	Providing & Fixing of wooden wall storage. Size : Length-1200mm, Depth-450mm, Height-450mm, Made Of 18mm thick Pre-laminated Particle Board.	N OS	1		


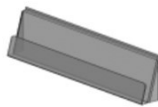

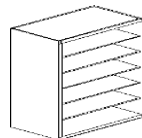
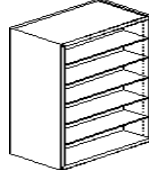
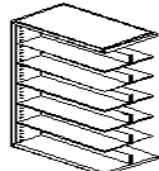
20	<p>Providing &amp; Fixing of Side Runner. Size: Height: 750mm, Width: 900mm, Depth: <b>450mm</b>. Body part made-up of prime quality cold rolled close annealed Sheet Use only MIG/TIG &amp; Spot welding for fabrication. Top made of 18mm thick Pre-laminated Particle Board. Side Edges covered with PVC edge band on edge bending machine. Provision of drawer below table top with telescopic channel.</p> <p>Superior Quality make lock. PVC handles. Doors in cold rolled close annealed M.S. Sheet. Doors are Top hung slide on roller bearing. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p> <p><i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
21	<p>Providing &amp; Fixing of Storage. Size: Height:1200mm,Width:900mm, Depth:<b>450mm</b> Body part made-up of prime quality cold rolled close annealed Sheet Use only MIG/TIG &amp; Spot welding for fabrication. Top made of 18mm thick Pre-laminated Particle Board. Side Edges covered with PVC edge band on edge bending machine. Door set make lock. PVC handles. Doors in cold rolled close annealed</p> <p>M.S. Sheet. Doors are Top hung slide on roller bearing. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p> <p><i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
22	<p>Providing &amp; Fixing of Pedestal. Size : Height : 610m, With : 400mm, Depth :450mm, Body part made-up of prime quality cold rolled close annealed Sheet use only MIG/TIG &amp; sport welding for fabrication, Body made of 0.8mm thick cold rolled close annealed Sheet. Drawer with Telescopic Channel slides. Superior quality make multi drawer front lock. Drawer front in cold rolled close annealed M.S. Sheet 0.8mm thk. Provision of casters for mobility. All steel components are epoxy powder coated followed by seven tank anti corrosion treatment of surface.</p> <p><i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
23	<p>Providing &amp; Fixing of Round Table. Overall Dimension: 600 Dia. X 450 H mm • Made up of High Moisture Resistant 25mm Thick Prelaminated Partical Board • Top is Round in shapes, curved out through CNC router machine. • One side laminated, Color matching to running Color Scheme. • Edges finished with 2mm self glued hot pressed PVC Edge Biding by Rehau or equivalent. • Base will be in Trirod Pattern as shown in image • Made up of mild steel round bright bars finished with Powdercoating • Powder coating of all the metal units must be of 70 micron tank process with oven baking coat by polyster powder coating. • Partical – Associate Brand or Equivalent.</p>	N OS	1		
24	<p>Providing &amp; Fixing of Square Table. Overall Dimension: 600x600X 450 H mm • Made up of 25mm Thick Prelaminated Partical Board • One side laminated, Color matching to running Color Scheme. • Edges finished with 2mm self glued hot pressed PVC Edge Biding by Rehau or equivalent. • Base will be in Trirod Pattern as shown in image • Made up of mild steel round bright bars finished with Powdercoating • Powder coating of all the metal units must be of 70 micron tank process with oven baking coat by polyster powder coating. • Partical – Associate Brand or Equivalent.</p>	N OS	1		
25	<p>Providing &amp; Fixing of Center Table. Overall Dimension: 900 X 600 X 450 H mm • Made up of High Moisture Resistant 25mm Thick Prelaminated Partical Board • One side laminated, Color matching to running Color Scheme. • Edges finished with 2mm self glued hot pressed PVC Edge Biding by Rehau or equivalent. • Base will be in Trirod Pattern as shown in image • Made up of mild steel round bright bars finished with Powdercoating • Powder coating of all the metal units must be of 70 micron tank process with oven baking coat by polyster powder coating. • Partical – Associate Brand or Equivalent.</p>	N OS	1		
26	<p>Providing &amp; Fixing of Center Table. Overall Dimension: 1200 X 600 X 450 H mm • Made up of High Moisture Resistant 25mm Thick Prelaminated Partical Board • One side laminated, Color matching to running Color Scheme. • Edges finished with 2mm self glued hot pressed PVC Edge Biding by Rehau or equivalent. • Base will be in Trirod Pattern as shown in image • Made up of mild steel round bright bars finished with Powdercoating • Powder coating of all the metal units must be of 70 micron tank process with oven baking coat by polyster powder coating. • Partical – Associate Brand or Equivalent.</p>	N OS	1		
27	<p>Providing &amp; Fixing of Corner Table- Size: Length: 600mm, Width: 600mm, Height: 450mm. Under Structure made of MS cold rolled close annealed tube 1.2 mm thick, duly powder coated after anti corrosion treatment of surface. Top Made up from 18mm Pre-laminated Particle board/ 12mm clear float glass.</p>	Nos.	1		

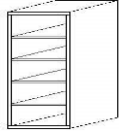




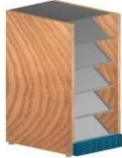

28	Providing & Fixing of Centre table- Size: Length: 900mm, Width: 600mm, Height: 450mm. Under Structure made of MS cold rolled close annealed tube 1.2 mm thick, duly powder coated after anti corrosion treatment of surface. Top Made up from 18mm Pre-laminated Particle board/ 12mm clear float glass.	Nos.	1		
29	Providing and placement of Computer Table. Size- Length-1086mm, Width-628mm, Height-1215mm, Made of 25mm thick Pre laminated particle board, and Legs and Shelf Made of 18mm thick PLPB-BSL Board Varticles with provision of cable duct. As per show in picture.	N os	1		
30	Providing & Fixing of Computer Table Main Unit. Size: Length:- 900mm, Width:-450mm, Height:-750 mm. C-Frame & tubular cold rolled close annealed steel structure. Fabrication involves only MIG/TIG & Spot welding . Top made of 18mm thick Pre-laminated Particle Board. PVC Edge beading of 2mm thick by Through Feed Machine. Electrical Cable Tray made of 0.6mm thk MS cold rolled close annealed sheet press formed 3 fold 115mm ht. Provision to run cable in legs. Drum Type Leveller. Metal keyboard tray and removable CPU stand. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N os	1		
31	Providing & Fixing of Computer Table Adon Unit. Size: Length:- 900mm, Width:-450mm, Height:-750 mm. C-Frame & tubular cold rolled close annealed steel structure. Fabrication involves only MIG/TIG & Spot welding .Top made of 18mm thick Pre-laminated Particle Board. PVC Edge beading of 2mm thick by through Feed Machine. Electrical Cable Tray made of 0.6mm thk MS cold rolled close annealed sheet press formed 3 fold 115mm ht. Provision to run cable in legs. Drum Type Leveller. Metal keyboard tray and removable CPU stand. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i> Note: Add on table can be used with main table only.	N os	1		
32	Providing & Fixing of Duct for wiring in Computer Tables. Size:- Length:900mm Width: 65mm, Height: 125mm, Frame made of cold rolled close annealed Steel Structure. Use only MIG/TIG & Spot welding for fabrication. Provision for Cable and switches. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	R. Mtr.	1		
33	Providing & Fixing of Couch for Examination. Size:- Length:1950mm, Width: 600mm, Height: 990mm,- cusion 100 mm, sliding door units, base structure 40x20x1.2 mm thk , openable door , pipe 25x25x1.2mm , leveller bolt dia- 25mm	N os	1		
34	Providing & Fixing of Metal Bed. Size:- Length:1950mm, Width: 900mm, Height:450/750mm, Made out of prime quality cold rolled close annealed sheet & Tubes. Body side panel made out of prime quality 1mm thk. press form cold rolled close annealed sheet. Use only MIG/TIG & Spot Welding for fabrication. Top of Bed is MS CRCA sheet 0.8 mm thick with stiffner. Leg side front panel made of 18 mm thick particle board. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N os	1		
35	Providing & Fixing of Wooden Bed. Overall Size- 1800 x 1950. With out storage Made in 18 mm thick prelaminated particle board structure.	N os	1		








36	<p>Providing &amp; Fixing of Metal Bed with Storage. Size:- Length:1950mm, Width: 900mm, Height:450/750mm, Made out of prime quality cold rolled close annealed sheet &amp; Tubes. Body side panel made out of prime quality 1mm thk. press form cold rolled close annealed sheet. Use only MIG/TIG &amp; Spot Welding for fabrication. <b>One drawer of 900mm width and 800 Depth</b> provided on base frame attached from Bed with proper fittings.Top of Bed is MS CRCA sheet 0.8 mm thick with stiffner. Leg side front panel &amp; Drawer facia made of 18 mm thick particle board. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p> <p>The overall appearance of the product shall be as per photograph.</p>	N OS	1		
37	<p>Providing &amp; Fixing of Study Table with Drawer. <b>Overall size 760-W x 600D x 750H(mm). Table top made up of 18mm thick Pre laminated particle board with 2mm thick.</b> Under structure made up of CRCA Pipe Dia: 32mm and 1.6 mm thick &amp; Pipe 50x25x1.2mm thick. Single drawer box full size made of 0.8 mm MS CRCA sheet &amp; Drawer facia made of 18 mm thick Prelaminated Particle Board, <b>Drawer with Superior quality lock and Superior quality telescopic channel slider.</b> All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph</i></p>	N OS	1		
38	<p>Providing &amp; Fixing of Wardrobe. <b>Size :- height:1600mm, width:600mm depth:600mm Body part made-up of MS CRCA sheet.</b> One Drawer along with width . Door are mounted on steel hinge brackets overlay. <b>Base frame made up 25x50x1.2mm thick crca pipe &amp; Dia 32mm x 1.6mm thick pipe. Door &amp; Top made of 18 mm thick PLPB with 3 point premium lock. 1 Drawer with Superior quality lock and Superior quality telescopic channel slider.</b> All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
39	<p>Providing &amp; Fixing of Bed side Unit. Overall Size- 450 x 450 x 450 mm Ht. Made in 18 mm thick prelaminated particle board structure.</p>	N OS	1		
40	<p>Providing &amp; Fixing of Single Almirah. Size:-height:1980mm, width:610mm depth:550mm, All Body part made-up of prime quality cold rolled close annealed Sheet 0.8mm thick, doors 1mm thick. Use only MIG/TIG &amp; Spot welding for fabrication. provision of 1 adjustable shelf and 1 Drawer. Three way locking device with six levers superior quality lock for Door. Doors are mounted on pin type MS hinges. All steel components are epoxy powder coated followed by seven tanks anti corrosion pre-treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
41	<p>Providing &amp; Fixing of Almirah. Size:-height:1980mm, width:910mm depth:550mm, All Body part made-up of prime quality cold rolled close annealed Sheet 0.8mm thick, doors 1mm thick. Use only MIG/TIG &amp; Spot welding for fabrication. Vertically divided into two parts with provision of two separate doors, provided with 1 adjustable shelf and 1 Drawer in each compartment. Three way locking device with six levers superior quality lock for Door. Doors are mounted on pin type MS hinges. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		



42	<p>Providing &amp; Fixing of Canteen Table Four Seater. Size:- L-1065 mmx D-915mmxHt-750mm. Under structure made of prime quality cold rolled close annealed square tube 30mm x 30mm x 1.2mm thk. with 4 nos. folding/tilting stools 2 on each side. Stools fitted on specially designed C-clamps over leg rest on each side with Bush for smooth functioning.  Top-1.0mm thk. stainless-steel properly bent &amp; edge-formed, supported with 12mm Ply below top. Stool Top made up of 1.0 mm thk. stainless steel dia 300mm, supported on 12mm Ply/PLPB fitted with CSK screw on 25mmx3 mm thk. MS flat welded on stool frame. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
43	<p>Providing &amp; Fixing of Wooden Single Wardrobe- Overall Size-900mm x 600mm x 1950mm, Made in 18 mm thick prelaminate particle board, with dressing glass.</p>	N OS	1		
44	<p>Providing &amp; Fixing of Wooden Three Door Wardrobe- Overall Size-1350mm x 600 mm x 1950 mm, Made in 18 mm thick prelaminate particle board</p>	N OS	1		
45	<p>Providing &amp; Fixing of TV Unit. Overall Size- 1180Wx440DX635 mm Ht. Made in 18 mm thick prelaminate particle board structure.</p>	N OS	1		
46	<p>Providing &amp; Fixing of Locker Main Unit. Size:- Height:1950mm, Width:380mm, Depth:450mm ( 6 door), Body part made-up of prime quality cold rolled close annealed Sheet of 1mm &amp; 0.8mm thickness, Use only Spot welding for fabrication. Knockdown constructions, Individual compartment having individual door, with six levers superior quality lock. special Holes are provided in doors for ventilation. Doors are mounted on Pivot with steel handle. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
47	<p>Providing &amp; Fixing of Locker Adon Unit. Size:- Height:1950mm, Width:380mm, Depth:450mm ( 6 door), Body part made-up of prime quality cold rolled close annealed Sheet of 1mm &amp; 0.8mm thickness, Use only Spot welding for fabrication. Knockdown constructions, Individual compartment having individual door, with six levers superior quality lock. special Holes are provided in doors for ventilation. Doors are mounted on Pivot with steel handle. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		







48	<p>Providing &amp; Fixing of Locker Main Unit. Size:- Height:1950mm, Width:380mm, Depth:450mm ( 3 door), Body part made-up of prime quality "cold rolled close annealed" Sheet of 1mm &amp; 0.8mm thickness, Knockdown constructions, Individual compartment having individual door, with 3 multipurpose lock. Holes are provided in doors for ventilation. Doors are mounted on Pivot with steel handle. components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i></p>	N os	1		
49	<p>Providing &amp; Fixing of Locker Adon Unit. Size:- Height:1950mm, Width:380mm, Depth:450mm ( 3 door), Body part made-up of prime quality "cold rolled close annealed" Sheet of 1mm &amp; 0.8mm thickness, Knockdown constructions, Individual compartment having individual door, with 3 multipurpose lock. Holes are provided in doors for ventilation. Doors are mounted on Pivot with steel handle. components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i></p>	N os	1		
50	<p>Providing and placement of library Book rack main unit Single side with Overall Dimensions shall be 900mm(W)x380mm(D)x1890mm(H). Rigid Knockdown construction . Back panel up to the bottom of third rack for additional rigidity . Racks, Back panel &amp;Skirting : CRCA 1.0 mm thickness . Side panels : 25 mm thick pre laminated particle board (PLB) with laminate on both sides . Stack ability shall have addon units width wise to form a bank of racks having common side panel .Bottom plus four fixed racks plus 10 storage levels. Each rack is provided with stiffener at bottom for strength . Uniformly distributed load capacity per each full shelf is 80 Kg. maximum . Rack back stiffener shall be there at the rear side of the racks back stiffener s are provided . These are to support books on the rear side . Label Holder on each main unit to insert labels for identification . Finish shall be Epoxy polyester powder coated to the thickness of 50 microns.</p>	N os	1		
51	<p>Providing and placement of library Book rack Adon unit Single side. with Overall Dimensions shall be 900mm(W)x380mm(D)x1890mm(H). Rigid Knockdown construction . Back panel up to the bottom of third rack for additional rigidity . Racks, Back panel &amp;Skirting : CRCA 1.0 mm thickness . Side panels : 25 mm thick pre laminated particle board (PLB) with laminate on both sides . Stack ability shall have addon units width wise to form a bank of racks having common side panel .Bottom plus four fixed racks plus 10 storage levels. Each rack is provided with stiffener at bottom for strength . Uniformly distributed load capacity per each full shelf is 80 Kg. maximum . Rack back stiffener shall be there at the rear side of the racks back stiffener s are provided . These are to support books on the rear side . Label Holder on each main unit to insert labels for identification . Finish shall be Epoxy polyester powder coated to the thickness of 50 microns.</p>	N os	1		
52	<p>Providing &amp; Fixing of Library book rack Main Unit. Overall Dimensions shall be 900mm(W)x535mm(D)x1890mm(H). Rigid Knockdown construction . Back panel up to the bottom of third rack for additional rigidity . Racks, Back panel &amp;Skirting : CRCA 1.0 mm thickness . Side panels : 25 mm thick pre laminated particle board (PLB) with laminate on both sides . Stack ability shall have addon units width wise to form a bank of racks having common side panel .Bottom plus four fixed racks plus 10 storage levels. Each rack is provided with stiffener at bottom for strength . Uniformly distributed load capacity per each full shelf is 80 Kg. maximum . Rack back stiffener shall be there at the rear side of the racks back stiffener s are provided . These are to support books on the rear side . Label Holder on each main unit to insert labels for identification . Finish shall be Epoxy polyester powder coated to the thickness of 50 microns.</p>	N os	1		

53	<p>Providing &amp; Fixing of Library book rack Adon Unit. Overall Dimensions shall be 900mm(W)x535mm(D)x1890mm(H). Rigid Knockdown construction . Back panel up to the bottom of third rack for additional rigidity . Racks, Back panel &amp; Skirting : CRCA 1.0 mm thickness . Side panels : 25 mm thick pre laminated particle board (PLB) with laminate on both sides . Stack ability shall have addon units width wise to form a bank of racks having common side panel .Bottom plus four fixed racks plus 10 storage levels. Each rack is provided with stiffener at bottom for strength . Uniformly distributed load capacity per each full shelf is 80 Kg. maximum . Rack back stiffener shall be there at the rear side of the racks back stiffener s are provided . These are to support books on the rear side . Label Holder on each main unit to insert labels for identification . Finish shall be Epoxy polyester powder coated to the thickness of 50 microns.</p>	N OS	1		
54	<p>Providing &amp; Fixing of Bayend Panel. Acrylic Book Holder Overall Dimension: 500 L X 60 D X 200 H mm • Providing &amp; supplying of Book Holder made up of 3mm transparent Monoacrylate Acrylic laser cutted. • U shape Machine heat molded lip as book stopper. • Triangle back support to provide tilted face out of book. • Transparent &amp; Odourless</p>	N OS	1		
55	<p>Providing &amp; Fixing of Library book rack Main Unit. Overall Size:- H:-1980mm, W:-915mm, D:-380mm: Body Structure: Made up of prime quality cold rolled close annealed MS sheet 1.0mm thk 3 fold side panel with dia 9mm hole in middle of each panel throughout the height at 25mm pitch for height adjustability of shelves. Adjustable middle shelf made out of Prime Quality cold rolled close annealed 1.0mm thk. Sheet. Complete knockdown assembly. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>Overall appearance as per photograph.</i></p>	N OS	1		
56	<p>Providing &amp; Fixing of Library book rack Adon Unit. Overall Size:- H:-1980mm, W:-915mm, D:-380mm: Body Structure: Made up of prime quality cold rolled close annealed MS sheet 1.0mm thk 3 fold side panel with dia 9mm hole in middle of each panel throughout the height at 25mm pitch for height adjustability of shelves. Adjustable middle shelf made out of Prime Quality cold rolled close annealed 1.0mm thk. Sheet. Complete knockdown assembly. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>Overall appearance as per photograph.</i></p>	N OS	1		
57	<p>Providing &amp; Fixing of Library book rack Main Unit. Overall Size:- H:-1980mm, W:-915mm, D:-535 mm: Body Structure: Made up of prime quality cold rolled close annealed MS sheet 1.0mm thk 3 fold side panel with dia 9mm hole in middle of each panel throughout the height at 25mm pitch for height adjustability of shelves. Adjustable middle shelf made out of Prime Quality cold rolled close annealed 1.0mm thk. Sheet. Complete knockdown assembly. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>Overall appearance as per photograph.</i></p>	N OS	1		
58	<p>Providing &amp; Fixing of Library book rack Adon Unit. Overall Size:- H:-1980mm, W:-915mm D:535mm.: Body Structure: Made up of prime quality cold rolled close annealed MS sheet 1.0mm thk 3 fold side panel with dia 9mm hole in middle of each panel throughout the height at 25mm pitch for height adjustability of shelves. Adjustable middle shelf made out of Prime Quality cold rolled close annealed 1.0mm thk. Sheet. Complete knockdown assembly. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>Overall appearance as per photograph.</i></p>	N OS	1		








59	<p>Providing &amp; Fixing of Bag rack Main Unit. Overall Size:- H:-1980mm, W:-380mm D:-380mm: Made up of prime quality MS cold rolled close annealed sheet. Shelf - 5 nos making six compartments. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
60	<p>Providing &amp; Fixing of Shoe rack Main Unit. Overall Size:- H:-1075mm.,W:-300mm D:350mm: Made up of prime quality MS cold rolled close annealed sheet. Shelf - 5 nos making six compartments. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
61	<p>Providing &amp; Fixing of Shoe rack adon Unit.Overall Size:- H:-1075mm, W:-275mm, D:-350mm : Made up of prime quality MS cold rolled close annealed sheet. Shelf - 5 nos making six compartments. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
62	<p>Providing and placement of Magazine Display Rack. Overall size- Height-1860mm x Width-900mm x Depth-350mm, Structure made of PLMDF board 18mm thickness.  Edges to be sealed with 2mm thick PVC edge banding machine pasted</p>	N OS	1		
63	<p>Providing and placement of Magazine Display Pocket. size- Height-216mm x Width-260mm x Depth-70mm. Acrylic Pouch.</p>	N OS	1		
64	<p>Providing and placement of Magazine Rack Main- Size:- Height:1900mm, Width:300mm, Depth:400mm: Sides made of 18mm thick pre-laminated particle board. Edges covered with PVC edge band on through feed edge bending machine. Shelf tray &amp; Bottom Panel made by M.S.cold rolled close annealed Sheet. Tray slides on pvc roller bearing. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		
65	<p>Providing and placement of Magazine Rack Add-on- Size:- Height:1900mm, Width:283mm, Depth:400mm: Sides made of 18mm thick pre-laminated particle board. Edges covered with PVC edge band on through feed edge bending machine. Shelf tray &amp; Bottom Panel made by M.S.cold rolled close annealed Sheet. Tray slides on pvc roller bearing. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.  <i>The overall appearance of the product shall be as per photograph.</i></p>	N OS	1		



66	Providing and placement of Newspaper Stand. Overall size- Height-1700mm x Width-885mm x Depth-755mm, Made of 18mm thick PLPB with CRCA Round Tube. Verticle pipe Dia.50mm x 1.2mm thick 2 Nos. Upper Top middle top and Lower top plpb 724 x 425/465 x 18mm thick 6 Nos.Base top PLPB 905x 755x18mm thickness 1 no.	N OS	1		
67	Providing & Fixing of News Paper stand. Size: Width:- 750mm x Depth:- 1000mm x Height:- 1200mm ( For 2 News Paper ), Frame Structure : Made up of Prime quality cold rolled close annealed Rectangular pipe 25x50x1.2mm thk MIG welded to Press formed steel column 105mm x 25mm x 1.0mm thk. Top made of 18mm thick pre-laminated particle board. Side edges covered with PVC edge band on edge bending machine. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N OS	1		
68	Providing and placement of Book Stopper. Size: Width:- 168mm x Depth:- 160mm x Height:- 190mm with 1.2mm thick : Made up of Prime quality cold rolled close annealed Press formed sheet. Epoxy powder coated followed by seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N OS	1		
69	Providing and placement of Reading Table 7'x3'- Size:- Length:2100mm, Width:900mm, Height:750mm. T – Frame made of press formed MS cold rolled close annealed sheet and tubes, MIG/TIG & Spot welding for fabrication. Top made of 18mm thick pre-laminated particle board. Side Edges covered with PVC edge band on edge bending machine. Perforated modesty panel at centre of table. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N OS	1		
70	Providing and placement of Reading Table 4.5'x3'- Size:- Length: 1350mm, Width:900mm, Height:750mm, T – Frame made of press formed MS cold rolled close annealed sheet and tubes, MIG/TIG & Spot welding for fabrication. Top made of 18mm thick pre-laminated particle board. Side Edges covered with PVC edge band on edge bending machine. Perforated modesty panel at centre of table. All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface. <i>The overall appearance of the product shall be as per photograph.</i>	N OS	1		
71	Providing and placement of Reading Table 6 seater with Middle Partition, Size:- Length:2100mm, Width:900mm, Height:750mm. Aluminium frame Screen of size 2000mm x 450mm in With fabric. Under structure of top made up of 50mm x 50mm x 1.6mm thick & 40mm x 40mm x 1.6mm thick erw tube. with provision of horizontal & vertical cable tray made up of 0.8mm cold rolled close annealed sheet curved with bottom & side pillar. All steel components are epoxy powder coated followed by seven tanks anti corrosion. 70mm Thick Tiles Base Partition- Size:- 2100L x 450 mm Ht. Internal Frame are made by 1.6mm thk. cold rolled close annealed powder coated Sections. Tiles are made by 12mm. Thk. Pre laminate particle board. Tiles are also available in Glass, Fabric and Steel option. Frame structure are fabricated by MIG/TIG welding Machine. Tiles are fitted by high strength PVC Dowel in PVC Insert with transition fit. provision of Slot for cabling and accessories. upper and side trim are 1mm thk. extruded powder coated aluminium section and Pole is 1.6mm Thick Aluminium.		1		
72	1200 x 900 x 750 mm Ht. Made of 25mm thick pre laminated particle board top with pvc edge bending. Under structure of top made up of 50mm x 50mm x 1.6mm thick & 40mm x 40mm x 1.6mm thick erw tube. with provision of horizontal cable tray made up of 0.8mm cold rolled close annealed sheet curved with bottom & side pillar. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. 70mm Thick Tiles Base Partition- Size:- 1200L x 450 mm Ht. Internal Frame are made by 1.6mm thk. cold rolled close annealed powder coated Sections. Tiles are made by 12mm. Thk. Pre laminate particle board. Tiles are also available in Glass, Fabric and Steel option. Frame structure are fabricated by MIG/TIG welding Machine. Tiles are fitted by high strength PVC Dowel in PVC Insert with transition fit. provision of Slot for cabling and accessories. upper and side trim are 1mm thk. extruded powder coated aluminium section and Pole is 1.6mm Thick Aluminium.		1		



73	<p>Providing &amp; Fixing of Executive Chair High Back. Overall Size - Max/Min. Height-1285/1165mm, Width-690mm, Depth - 700mm, Seat Height-640/520mm, Seat Size-W-560mm x D-530mm, Back Size-H-770mm x W-530mm, 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece die castes Nylon arm rest with Cushion. Quality Latherite tapestry with single and double stitch. High density PU cushion.</p> <p><i>Over all appearance of product as shown in picture. Available in only Black Latherite.</i></p>	N OS	1		
74	<p>Providing &amp; Fixing of Executive Chair Lowh Back. Overall Size - Max/Min. Height-1165/1045mm, Width-690mm, Depth - 700mm, Seat Height-640/520mm, Seat Size-W-560mm x D-530mm, Back Size-H-640mm x W-530mm, 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece die castes Nylon arm rest with Cushion. Quality Latherite tapestry with Single and double stitch. High density PU cushion.</p> <p><i>Over all appearance of product as shown in picture. Available in only Black Latherite.</i></p>	N OS	1		
75	<p>Providing &amp; Fixing of Executive visitor Chair. Overall Size - Height-1035mm, Width-690mm, Depth-690mm, Seat Height-490mm, Seat Size-W-560mm x D-530mm, Back Size-H-640mm x W-530mm, Under Structure cantilever type MS cold rolled close annealed Tube Dia. 32mm x 1.6 mm thick. Hot pressed ply wood with steel T-Nuts for rigid fastening. Single piece die castes Nylon arm rest with Cushion. Quality Latherite tapestry with single and double stitch. High density PU cushion. All steel components should be epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p> <p><i>The overall appearance of the product shall be as per photograph. Available in only Black Latherite.</i></p>	N OS	1		
76	<p>Providing &amp; Fixing of Offcer's visitor chair. Size: Height Overall/Seat - Max:1105/510mm, Min: 1020/440mm, Depth - 660mm, Width- 660mm : 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece die castes PP arm rest. Quality Latherite tapestry with double stitch. High density PU cushion.</p> <p><i>Available in only Black Latherite.</i></p>	N OS	1		
77	<p>Providing &amp; Fixing of non revolving visitor chair. Size: Height Overall/Seat - 1080/480mm, Depth - 630mm, Width- 660mm : Under Structure cantilever type MS cold rolled close annealed Tube 1.6 mm thick. Hot pressed ply wood with steel T-Nuts for rigid fastening. Single piece die castes PP arm rest. Quality Latherite tapestry with double stitch. High density PU cushion. All steel components should be epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p> <p><i>Available in only Black Latherite.</i></p>	N OS	1		
78	<p>Providing &amp; Fixing of High Back Chair. Specification- Size-H:1130-1230mm, Seat ht: 470-570mm, D-680mm, W-600 mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Seat Hot pressed ply wood with steel T-Nuts for rigid fastening with PP cover. Back is moulded Bright Bar with stitched Mesh Cloth. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable synchrony tilt mechanism and with Single piece Die castes PP arm rest adjustable with PP pad. Quality tapestry. High density Moulded PU cushion.</p>	N OS	1		




79	<p>Providing &amp; Fixing of Low Back Chair. Specification- Size-H:930-1030mm, Seat ht: 460-560mm, D-680mm, W-580 mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Seat Hot pressed ply wood with steel T-Nuts for rigid fastening with PP cover. Back is moulded Bright Bar with stitched Mesh Cloth. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable synchrony tilt mechanism and with Single piece Die castes Fixed PP arm rest. Quality tapestry. High density Moulded PU cushion.</p>	N OS	1		
80	<p>Providing &amp; Fixing of Size:- H: 910-1010mm, Seat H: 470-570mm, D: 575mm, W: 580mm : 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece Die castes PP arm rest. Quality tapestry. High density Moulded PU cushion. Tapestry 0.75 Mtr. <i>Over all appearance of product as shown in picture.</i></p>	N OS	1		
81	<p>Providing &amp; Fixing of Office Chair Mid Back. Size: Total Height-1000mm, Depth 660mm, Width-640mm Seat Height: 510mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. 12 mm Hot pressed plywood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. <b>Two position Lockable synchrony tilt mechanism</b> with Single piece integral skin. <b>2-D Up &amp; down height adjustable PU arm rest.</b> Quality tapestry. High density Moulded PU cushion. Upholstery 1.5 Mtr. <i>Over all appearance of product as shown in picture.</i></p>	N OS	1		
82	<p><b>Providing &amp; Fixing of Office Chair Hi-back-</b> Size: Total Height-1050-1150mm, Depth 600mm, Width-535mm Seat Height:420-520mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Sturdy steel column gas lift for centre support and seat height adjustment. Telescopic ABS cover over steel column. Lockable centre tilt mechanism and with Single piece integral skin PU arm rest. Quality tapestry with PVC beading all around. High density Moulded PU cushion. Upholstery 2.0 Mtr. <i>Over all appearance of product as shown in picture.</i></p>		1		
83	<p>Providing &amp; Fixing of Office Chair Mid Back. Model Width Depth Height Seat Height Bravo High Back 76.3 CM 76.3 CM 97.0 - 109.0 CM 42.5 - 54.5 CM Thick cushion seat &amp; Back Wider contoured seat and back Back button adding aesthetics User friendly levers Centre Tilt Synchronous Mechanism with tilt tension adjustment Upright position locking Seat Height Adjustment Poly Propylene abuse resistive armrest Nylon Pedestal 100% VOC free powder coating Knock-down design reducing transportation emissions Designed for long life and easy part replacement.</p>	N OS	1		
84	<p>Providing and placement of Reading Chair with Cushion. Size:-Overall H: 835mm,D:585mm,W: 520mm: - Back &amp; Seat Moulded Cushion • Back Outer PPCP • Crape Tapestry • PU Handle • Hot pressed Ply • Frame Oval Tube 13*31 mm-16g With Powder Coated.</p>	N OS	1		







85	<p>Providing &amp; Fixing of Study Chair. Size:-Overall H: 830mm,Seat h: 460mm,D: 580mm,W: 535mm: Under Structure made of 19mm dia MS cold rolled close annealed tube 1.2 mm thick, duly powder coated after anti corrosion treatment of surface. Seat and back are made of 12mm thick Hot pressed ply wood with high density PU foam, upholstered with fine quality fabric. Arms Tubular. Steel components are epoxy powder coated followed by seven tanks anti corrosion pre-treatment of surface. Upholstery 0.6 Mtr. <i>Overall appearance as per photograph.</i></p>	N OS	1		
86	<p>Providing &amp; Fixing of Round ottoman. height: 450mm. Made with composite steel &amp; plywood frame. Top made of 6mm thick ply, Metal Structure made of 16 Gauge, Metal Frame 3/4" Tube. Side edges covered with PP profile. Top &amp; side covered with PU foam 50 density. Upholstered with fine quality fabric with high durability. The overall appearance of the product shall be as per photograph.</p>	N OS	1		
87	<p>Providing &amp; Fixing of Round ottoman. height: 450mm.Made with composite steel &amp; plywood frame. Top made of 6mm thick ply, Metal Structure made of 16 Gauge, Metal Frame 3/4" Tube. Side edges covered with PP profile. Top &amp; side covered with PU foam 50 density. Upholstered with fine quality fabric with high durability. The overall appearance of the product shall be as per photograph.</p>	N OS	1		
88	<p><b>Providing &amp; Fixing of ottoman Arc shape. 900mm L x 450mm W x 450mm H</b> Top &amp; Base made up of 12mm thick ply CNC cut shape with air perforations , Support strcutre frame Metal Structure-16 Gauge, Metal Frame 3/4" Tube, Top foam layer 50 density. Further to be covered with a layer of soft decron sheet for better comfort outer structure to be covered with foam layer 50 density to be upholstered with vinyl fabric with double stiched machine sewed edges</p>	N OS	1		
89	<p><b>Providing &amp; Fixing of ottoman Arc shape. 600mm L x 450mm W x 450mm H</b> Top &amp; Base made up of 12mm thick ply CNC cut shape with air perforations , Support strcutre frame Metal Structure-16 Gauge, Metal Frame 3/4" Tube, Top foam layer 50 density. Further to be covered with a layer of soft decron sheet for better comfort outer structure to be covered with foam layer 50 density to be upholstered with vinyl fabric with double stiched machine sewed edges</p>	N OS	1		
90	<p>Providing and placement of Soft seating. Overall Dimension: 1012mm L x 600 mm W x 900 mm H X Seat height 450 mm • Ottoman made up of 12 mm thick ply under structure. • Easy to move &amp; light weight. • Ottoman can easily be Placed throughout multiple spaces. • Further Covered with non water absorbent, High Density Foam of density &gt;= 50 • Covered with removable commercial grade Vinyl fabric , Vinyl is loved for its waterproof quality that is easily wiped clean. • Water Repellent Fabric. • Easy to Clean • SS finished Sofa legs. 50mm dia x 50mm H round.</p>	N OS	1		
91	<p>Providing &amp; Fixing of Lounge Chair. Overall size- Height: 940mm, Width: 700mm, Depth: 595mm, Seat height: 530mm, Seat back height-450mm. - High pressure PU moduled shell cushion over solid metal inserts density of PU - 45-60 kg/m². - Uphosted with PVC Leatherite / Tapestry. - Aluminium die casted base with class-3 Gaspump and chrome finish M.F plate for chair bolt complete as per photograph.</p>	N OS	1		







92	<p>Providing &amp; Fixing of ottoman. Overall Dimension: 900mm L. X 450 mm W X 450mm H • Top &amp; Base made up of 12mm thick ply CNC cut shape with air perforations , Support strcutre frame Metal Structure-16 Gauge, Metal Frame 3/4" Tube, Top foam layer 50 density.</p> <p>Further to be covered with a layer of soft decron sheet for better comfot outer structure to be covered with foam layer 50 density to be upholstered with vinyl fabric with double stiched machine sewed edges. The manufacturer shall have Quality &amp; Safety assurance like ISO-9001:2015, ISO-14001:2015 AND ISO-18001:2007, BIFMA Membership &amp; AIOTA Certification.</p>	N OS	1		
93	<p>Providing &amp; Fixing of + Shape ottoman. Overall Dimension: 1200mm L x 1200mm W x 450mm • Made up of 17mm x 17 mm MS Pipe Under structure further covered with 6 mm thick ply. • Further Covered with non water absorbent, High Density Foam of density &gt;= 50 • Covered with removable commercial grade Vinyl fabric , Vinyl is loved for its waterproof quality that is easily wiped clean. • Water Rerepellent Fabric. • Easy to Clean • The Sleek Chrome U frame made up of 18 mm thick round Bride Bar base adds extra elegant of style. Leg size 900mm L x 150mm H , to be bolted with the ply base of the ottoman.</p>	N OS	1		
94	<p>Providing &amp; Fixing of ottoman with Back. Overall Dimension: 960W x 965 D x 450 Hmm • Made up of 17mm x 17 mm MS Pipe Under structure covered with 6 mm thick ply. • Further Covered with non water absorbent, High Density Foam of density &gt;= 50 • Covered with removable commercial grade Fabric , A type of fibre known for it's strength, dye affinity and high luster. • Easy to Clean • Button feet Glides for easy movement. 50mm dia 25mm H made up of NYLON , a tough, lightweight, elastic synthetic polymer ,</p>	N OS	1		
95	<p>Providing &amp; Fixing of Comma Shape ottoman.Overall Dimension: 1190mm L x 576mm W x 450mm H • Ottoman made up of 6 mm thick ply under structure. • Easy to move &amp; light weight. • Ottoman can easily be Placed throughout multiple spaces. • Further Covered with non water absorbent, High Density Foam of density &gt;= 50 • Covered with removable commercial grade Vinyl fabric , Vinyl is loved for its waterproof quality that is easily wiped clean. • Water Repellent Fabric. • Easy to Clean • SS finished Sofa legs. 50mm dia x 50mm H round.</p>	N OS	1		
96	<p>Providing &amp; Fixing of 2 Seater Sofa with 2 Switches and 2 Sockets. Outer Side size-L 1950x D650x H800mm, Inner Seat Height450mm, Back Height-800mm, Upholstered with premium quality PU cloth with help of stitching, where ever necessary. With Electrical Switch and Socket.Without Wiring.</p>	N OS	1		
97	<p>Providing &amp; Fixing of Lounge Sofa. Overall Dimension: 1800mm L x 600mm W x 900mmH, Seat height - 450mm • Made up of 17mm x 17 mm MS Pipe Under structure further covered with 6 mm thick ply. • Further Covered with non water absorbent, High Density Foam of density &gt;= 50 • Covered with removable commercial grade Fabric , A type of fibre known for it's strength, dye affinity and high luster. • Water Rerepellent Fabric. • Easy to Clean •SS finished Sofa legs. 50mm dia x 50mm H round.</p>	N OS	1		
98	<p>Providing &amp; Fixing of Auditorium Chair. Centre to centre distance 530mm.Size: Height: 850mm, Seat Height: 470mm, Depth: 560mm &amp; Width: 560mm. Under Structure made of 75mm dia 1.2mm thick MS cold rolled close annealed tube welded to MS cold rolled close annealed 1.6mm press formed pedestal for better grip and with provision to be grouted at floor. Upholstered seat and back made of Hot pressed ply wood with steel T-Nuts for rigid fastening. Single piece integral skin PU arm rest common for every alternate Chair.</p> <p>Quality tapestry. High density PU moulded cushion. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. The overall appearance of the product are as per photograph. Upholstery 1.5 Mtr Note: Floor must be minimum 100mm thick RCC slab to grout the chairs or otherwise written confirmation on deviation should be taken by Bonton, as regard to floor.</p> <p>Steps depth must be as per layout – deviations must be discussed with Bonton and written consent of Bonton is must in this regard before placing the order.</p>	N OS	1		







99	<p>Providing &amp; Fixing of Auditorium Chair. Centre to centre distance 560mm. Size: Height: 850mm, Seat Height: 470mm, Depth: 560mm &amp; Width: 610mm. Under Structure made of 75mm dia 1.2mm thick MS cold rolled close annealed tube welded to MS cold rolled close annealed 1.6mm press formed pedestal for better grip and with provision to be grouted at floor. Upholstered seat and back made of Hot pressed ply wood with steel T-Nuts for rigid fastening. Arm rest made of teak wood fitted on MS cold rolled close annealed sheet box and press formed rotating lever specially design to accommodate writing tablet. Quality tapestry. High density PU moulded cushion. Writing tablet made of 18mm thick Pre-laminated Particle Board. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface. The overall appearance of the product are as per photograph. Upholstery 1.5 Mtr Note: Floor must be minimum 100mm thick RCC slab to grout the chairs or otherwise written confirmation on deviation should be taken by Bonton, as regard to floor. Steps depth must be as per layout – deviations must be discussed with Bonton and written consent of Bonton is must in this regard before placing the order.</p>	N os	1		
100	<p>design. Design is subject to change for continual improvement. Without any disturbing noise. Arm-rest to Arm-rest (center dist.): 21" to 24" (inches). PPCP-injection molded Housing for Cushion &amp; Backrest. All sheet metal parts with powder coated / or zinc passivated. Seat numbering on cushion on tip-up portion as per BT design. Row numbering for seats along the aisles. Provision for lights on sides for seats along the aisles. Integral Skin Armrest/PPCP/Wooden. All exposed &amp; visible parts shall be powder coated.</p> <p><b>Fabric:-</b> Approved from our existing range of fabric. 3mm lamination on fabric. FR grade material confirms to IS 15061 For horizontal Burning test only.</p> <p><b>Frame:-</b> Frame of ERW Round Tube / IS :3074 - 2005. Cushion Frame - 19 dia 1.2mm thick, Back Rest - 16 dia 1.63 mm thick, S Spring Wire Dia – 2.9. Remark – dimension tolerance +2 mm.</p> <p><b>Polyurethane Foams:-</b> Density: 50 + 5 Kg/M3 / JIS K 6401. Constant Compression Set: (Max. 13%) JIS K 6401. Remark – dimension tolerance + 10 mm.</p> <p><b>Spring:-</b> For Auto Tip-up – Torsion Spring / Spring Steel IS : 4454 - 1981 GRADE 2 (part I). For Push Back mechanism – tension Spring / Spring Steel IS : 4454 - 1981 GRADE 2.</p> <p><b>Wing Components:-</b> HRPO Sheet Metal / IS : 1079 - 1994 . Wing frame "C" Channel. Channel 2MM Thick X 60mm Width. Rectangular Tube IS:4923-1985 50X25X1.63MM THK. Side wing frame with With fabric upholstered plywood. Remark – dimension tolerance + 2 mm.</p> <p><b>Back &amp; Cushion Housing:-</b> Material: PPCP (Injection Molded). Back Rest - IS:10951-1984 PPCP BLACK 2.3mm thick. Cushion - IS:10951 - 1984 PPCP BLACK 2.3mm thick. Remark – dimension tolerance + 2 mm.</p> <p><b>Arm-rest:-</b> Solid Wood. Foldable Type SIZE L425X80X15.</p> <p><b>Slider Mechanism:-</b> Sliding mechanism Will have travel of max 60mm forward. Roller and ball cage mechanism for sliding. Size – channel 33X210MM 2MM Thick. Proprietary item as per BT design. Design is subject to change for continual improvement of the mechanism. Remark – dimension tolerance + 2 mm.</p> <p><b>Seat Dimension:-</b> Cushion Height – 450 +10, Back Rest Height – 1030 +10. After Push Back Dimension – 920 +10. Normal Dimension – 750 +10. After Push Back Dimension with Open Tablet – 1000mm +10. Remark – dimension tolerance + 10 mm.</p> <p><b>Installation Hardware:-</b> RCC Flooring 4 Inch - Anchor Fastener M8X100mmL. Sleeve Dia 14mm With 30mmL (4 Nos). Wooden Flooring 2 Inch - Coach Bolt for M8X40/50 (4 Nos).</p> <p><b>Tablet Mechanism:-</b> Mechanism: Combination of solid square bar with sheet metal plate. Writing Pad - MDF Bord 12mm Thik Black Colour. Tablet Assembly - Foldeble Type (can be folded inside the wing assembly when not in use). Tablet - Inclined 12 + 2° (Degree) From the Floor.</p> <p><b>Special Note:-</b> All part detail mention are subject to change for continual improvement of the seat. Seat will be tested as per our specification only. other test will be applicable to our seats in not mention of our specification.</p>	No s	1		

<p>101</p>	<p><b>Seats Description-</b> Push back chair or Fixed Back chair. Auto Tip-up cushion. Sliding mechanism – Proprietary item as per BT design. Design is subject to change for continual improvement. Without any disturbing noise. Arm-rest to Arm-rest (center dist.): 21”to 24” (inches). PPCP-injection molded Housing for Cushion &amp; Backrest. All sheet metal parts with powder coated / or zinc passivated. Seat numbering on cushion on tip-up portion as per BT design. Row numbering for seats along the aisles . Provision for lights on sides for seats along the aisles. Integral Skin Armrest/PPCP /Wooden. All exposed &amp; visible parts shall be powder coated.  <b>Fabric:-</b> Approved from our existing range of fabric. 3mm lamination on fabric. FR grade material confirms to IS 15061 For horizontal Burning test only.  <b>Frame:-</b> Frame of ERW Round Tube / IS :3074 - 2005 . Cushion Frame - 19 dia 1.2mm thick, Back Rest - 16 dia 1.63 mm thick, S Spring Wire Dia – 2.9. Remark – dimension tolerance +2 mm.  <b>Polyurethane Foams:-</b> Density: 45 + 5 Kg/M3 / JIS K 6401. Constant Compression Set: (Max. 13%) JIS K 6401. Remark – dimension tolerance + 10 mm.  <b>Spring:-</b> For Auto Tip-up – Torsion Spring / Spring Steel IS : 4454 1981 GRADE 2 (part I). For Push Back mechanism – tension Spring / Spring Steel IS : 4454 1981 GRADE 2.  <b>Wing Components:-</b> HRPO Sheet Metal / IS : 1079 - 1994 . Wing frame : Rectangular Style. ERW Square tube IS:4923-1985 25X25 1.63mm Thick. Side wing frame with With fabric upholstered plywood. Remark – dimension tolerance + 2 mm.  <b>Back &amp; Cushion Housing:-</b> Material: PPCP (Injection Molded). Back Rest - IS:10951-1984 PPCP BLACK 2.3mm thick. Cushion - IS:10951, PPCP BLACK 2mm thick. Remark – dimension tolerance + 2 mm.  <b>Arm-rest:-</b> Integral skin PU with water Fall Edges /PPCP Injection Molded with Integral skin PU / Wooden.  <b>Slider Mechanism:-</b> Sliding mechanism Will have travel of max 60mm forward. Roller and ball cage mechanism for sliding. Size – channel 33X210MM 2MM Thick. Proprietary item as per BT design. Design is subject to change for continual improvement of the mechanism. Remark – dimension tolerance + 2 mm.  <b>Seat Dimension:-</b> Cushion Height – 440 +10. Back Rest Height – 1030 +10. After Push Back Dimension – 920 +10. Normal Dimension – 750 +10. Remark – dimension tolerance + 10 mm.  <b>Installation Hardware:-</b> RCC Flooring 4 Inch - Anchor Fastener M8X100mmL. Sleeve Dia 14mmWith 30mmL (2 Nos). Wooden Flooring 2 Inch - Coach Bolt for M8X40/50 (2 Nos).  <b>Special Note:-</b> All part detail mention are subject to change for continual improvement of the seat. Seat will be tested as per our specification only. other test will be applicable to our seats in not mention of our specification.</p>	<p>1</p> <p>No s</p>		
<p>102</p>	<p>Providing and placement of office desk. The overall size of the table shall be 2350W x 2350D x 750H. Primary Work Surface: Made of 25mm Thick Pre laminated twin board of E1-P2 grade and approved shade confirming to IS 12823:1990, Edge banded with matching 2 mm thick PVC lipping. Soft closing access flap with in-build power box are provided on work surface for wire management.  SECONDARY WORK SURFACE: Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Modesty Panel: Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. INTEGRATED PEDESTAL: Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedestal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing &amp; anti slam mechanism. Handles are provided for ease of opening. Pedestal is provided with lock for security. The integrated pedestal unit shall be fabricated from pre-laminated MDF board in approved shade.</p>	<p>1</p> <p>N os</p>		






103	<p>Proving and placement of Back unit with overall size of 1800*1800.TOP PANEL: Made of 25mm Thick Pre-laminated twin board of E1- P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. SLIDE DOOR UNIT: Made of 25mm Thick Pre laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side, bottom, back and shelves. Shutters are made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Shutters have a soft closing &amp; anti slam mechanism. Handles are provided for ease of opening. Storage is provided with lock for security. DISPLAY/STORAGE UNIT: Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS 12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side, back and shelves. Doors are made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Top panel of display unit Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.</p>	N OS	1		
104	<p>Providing &amp; Fixing of HOD Table. MAIN DESK Size-1800x2100x750mm  Primary Work Surface should be made up of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.  Made up of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.  Secondary Work Surface- Made up of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.  Modesty Panel- Made up of 25mm thick MDF one side pre- laminate board confirming to IS 14587:1998 with 0.4mm PVC membrane pressed on to top.  Understructure- Made up of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.  Integrated Pedestal- Made up of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top  Pedestal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal  Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing &amp; anti slam mechanism. Handles are provided for ease of opening.  Pedestal is provided with lock for security.</p>	N OS	1		
105	<p>4 Seater PU Coated size shall be 1135mm Width x 1175mm Depth x 750mm Height. Top shall be 25 mm thick base material shall be 25 mm MDF board. On top PU painting of minimum 2H hardness with 75% glass as per colour chart .White Laminate on bottom specially profiled edges for comfort. The Under structure shall be having bend pipe structure of MS powder coated. Pipe dia 38 mm, 2 mm thick and it shall be fitted with top by SS machine screws. Legs shall be of MS powder coated and 38 mm dia. pipe legs are fixed with under-structure and table top. Glide shall be of Plastic fixed at the under-structure to prevent the damage of table top during stacking .</p>	N OS	1		

106	<p>Providing and placement of ding table with Overall size of 1800*900. Folding tables are ideal for having a Surface on an as-needed basis. With its ability to easily fold and stack; the Tango desk offers the perfect solution for multipurpose spaces. When in use the tables can be easily moved around on smooth castors to re-arrange into a variety of layouts. When the space needs to be cleared, all the tables can be easily folded and stacked away in a small area. Tabletop: Tabletop is made of 25mm thk.MDF OSR. OSR board(Bottom side in white colour)asperIS:12406 which is having two finish options: PU coated on top side. Under structure-Legs are made by welding the combination of M.S.E.R W. round tube 63.5x2mmTHK of IS:7138,flanges made of CRCA sheet. of 1.6mm THK and 1.2mm thk)of IS513.inside plates made of HR 5mm THK sheet(IS:2062).Assembly in epoxy polyester powder coated(Min40micron).Tabletop connected with spring loaded mechanism with full handle made of sand wltch tubes of M.S.E.R.W. 16*1.2mm THK. and 12.7*1.6mm THK. Tube of IS7138.coated with epoxy polyester powder coated (Min40micron). to operate table top. Legs are provided with casters of 65mm lockable type for Ease of movement and can be locked when required at any positions.</p>	Nos	1		
107	<p>Providing and placement of Canteen table. Size shall be 1734 Width mm x 1175 Depth mm x 750 Height mm . Top shall be 25 mm thick base material shall be 25 mm MDF board . On top PU painting of minimum 2H hardness with 75% glass as per colour chart . White Laminate on bottom specially profiled edges for comfort . The Under structure shall be having bend pipe structure of MS powder coated . Pipe dia 38 mm , 2 mm thick and it shall be fitted with top by SS machine screws . Legs shall be of MS powder coated and 38 mm dia. pipe legs are fixed with under structure and table top. Glide shall be of Plastic fixed at the under structure to prevent the damage of table top during stacking .</p>	Nos	1		
108	<p>Providing and placement of Dining chair. The seat and back are made of injection moulded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The Powder coated (DFT50+ microns) welded tubular frame is made from 2.22 + 0.03 cm x 0.16+/- 0.0128cm and 3.5+/- 0.03 cmx1.5+/-0.03 cm x 0.16 +/- 0.0128 cm M.S.E.R.W tube. The Shoes are made of high impact strength polypropylene polymer compound with indoor grad UV Resistance and pressed fitted with tubular frame. The overall size of dinning chair shall be520mm (B) x 550mm(D) x 840mm total height x 450mm sear height.</p>	Nos	1		
<b>ASSISTIVE DEVICES</b>					
109	Adjustable Walking Stick - quadricpod	Nos	1		
110	Crutches Elbow / Forearm, Adult (Pair)	Nos	1		
111	Adjustable Walking Stick - Single	Nos	1		




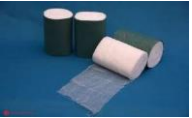
112	Ankle Support (in pairs)	No s	1		
<b>SICK BAY / SICK ROOM</b>					
113	Bed Pan (Steel)	No s	1		
114	Elbow Support (in pairs)	No s	1		
115	Foot planter flexer	No s	1		
116	Instrument Trolley Type of Product-Foldable instrument trolley Material- Stainless steel Capacity-120 Kg Dimensions-20*68*19 cm	No s	1		
117	Hospital Fowler Bed Thickness-Frame pipe-18 Gauge Semi Fowler Bed Platform with Fixed 1 Rod on Base, 2 Pcs Head & Foot Panels, 1 Right & 1 Left Collapsible Railing, 2 Pcs Leg Stand with 4 Wheels, 1 Pc Stainless Steel Handle & 2 Cut One Mattress. Dimension-190x90x60cm Coating- Epoxy Powder Coated Weight- 45 Kg Max. ISO 13485:2016 & ISO 9001:2015 Certified	No s	1		






118	<p>Patient Stool (Revolving)  Pattern- Plain  Shape -Round  Dimensions-30x30x53 cm  Material – Stainless Steel  Weight-4Kg  Height-2-2.5 Ft</p>	No s	1		
119	<p>Stretcher Foldable  Bearing Load Capacity-140 Kg  Dimensions-110*20*11 cm  Epoxy Powder Coated  Weight -25 Kg</p>	No s	1		
120	<p>Urine Pan  Capacity-1000 ml  Material-Body -Virgin HDPE  Cap: Regrind HDPE &amp; PP  Dimensions- 35x20x20 cm  Weight-110g</p>	No s	1		
<b>FITNESS AND PHYSIOTHERAPY</b>					
121	<p>Ankle exerciser</p>	No s	1		
122	<p>Electric Heating Pad  Dimensions-21.59x30.48x2.54 cm  Weight-380 g  Single Side: 85 deg C</p>	No s	1		
123	<p>Finger ladder  Material- Wooden  Size in number-106-53 cm</p>	No s	1		








124	Heal Pad Latex Free Free Size	No s	1		
125	Physiogears Combination 5 IN 1 LCD 125 Programs Computerized IFT+MS+TENS+US+Deep Heat Machine with 1 Year Warranty	No s	1		
126	Infrared Lamp for Pain Relief Therapy, Stimulate Body Cell Function and Improve Blood Circulation Item Dimensions-16*18*18 cm	No s	1		
127	Cotton Green Multipurpose Bedside/Chairside 3 Fold Detachable Partition with Green Curtain Cloth Material- Cotton Foldable – 3 Fold Dimensions-66*96 cm Weight -3 Kg	No s	1		
128	Wall Mountable wheel	No s	1		
129	Wax Bath Sleeves-14 Temperature -5 Degree Inner Material-Stainless Steel Coating- Duly Epoxy Powder Coated	No s	1		






130	<p>Weight Cuff (in pairs)  Size- Standard  Item Weight -2 Kg  Material- Matty  Colour - Black</p>	No s	1		
131	<p>T Pulley  Material- Iron  Colour- Black  Weight- 900 grams  Dimensions-50*13*13 cm</p>	No s	1		
132	<p>Traction Unit  Product Weight-16 Kg  Dimension-46*38*36 cm  Traction time -5-60 Minutes  Hold Time-5- 90 Seconds  Traction Force- 5-45 Kg  Progressive Steps -5 Seconds</p>	No s	1		
133	<p>Hydrocolatral with 4 pack  Dimension-17 x 14.25 x 10.5 inches (43.2 x 36.2 x 26.7 cm); 10 Pounds (4.5 kg)  Material- Stainless Steel</p>	No s	1		
134	<p>Ice packs  Ice Gel Pads, Sealed &amp; Leak proof packs  Size- 400 ml  Item Weight-480 g  Dimensions- 12 x 2 x 19 Centimeters</p>	No s	1		





135	Hand Gripper	No s	1		
136	Muscle stimulator	No s	1		
137	Short Wave Diathermy Power Supply-230 v, 50Hz Power Output-400 W Voltage Regulator-5 Steps Power Control-5 Steps Frequency-27.12 MHz Dimension-20"x15"x16" Weight-25 Kg	No s	1		
138	Quardstable	No s	1		
139	Rotatory wrist machine Colour- Silver/ Black Material- Carbon Steel Maximum User weight-120 Kg	No s	1		
<b>SICK ROOM/ HEALTH CLINIC</b>					






140	<p>Sphygmometer (B.P Apparatus)  Net weight= 49 kg and gross weight = 52 kg  meas 198 x 93 x 17  abs panels, saline stand, manual head side adjustable lever and all rolling caster with brake  also, mattress &amp; collapsible side rail included  23-inch height &amp; head up up to 80 degree</p>	Nos	1		
141	<p>Glucometer  Blood Glucometer  Item dimension: - 19x11x06 Weight: - 200 Gm  Battery Type: - Lithium Fast result: in 5 Second  Small05uL Blood Sample Size  Large Memory Storage</p>	Nos	1		
142	<p>Bedside Table (Adjustable with Geared Handle)  Colour- White  Castor Diameter-5 CM  Size- 30 inch</p>	Nos	1		
143	<p>Dressing kits (Bandage, Gauze, Cotton, Antiseptics, Hand sanitizer and Gloves etc.)</p>	Nos	1		
<b>RESIDENTIAL FACILITIES</b>					




144	Multipurpose Plastic Stool Colour – Brown Frame Material- Plastic Size – Standard Weight -495 Grams Seat Width- 29 cm Leg Style Straight	No s	1		
145	Door / Call Bell ( Wireless )	No s	1		
146	Chairs – Plastic Colour-Ratan Dark Breidge Material – Plastic Product Dimensions: Length (57 cm), Width (61.5 cm), Height (88 cm) Make:- Neelkamal,Cello,	No s	1		
147	Room Heater Watt- 1900 Watts Make- Havells , bajaj,Usha, Orpat	No s	1		
148	Geaser / common boiler 3 liter/4.5 Kw Make- Havells, Jaguar,Bajaj,Havells	No s	1		

149	Foot Mat (plastic/ grass)	Sqft	1		
150	Alarm clocks	No s	1		
<b>KITCHEN &amp; DINING (CROCKERY)</b>					
151	Pressure Cooker- Small (5 ltr) Material- Stainless Steel Make-Prestige,Borosil,Hawkins	No s	1		
152	Pressure Cooker- Small (14 ltr) Material- Stainless Steel Make-Prestige,Borosil,Hawkins	No s	1		
153	Pressure Cooker -Big (20 ltr) Material- Stainless Steel Make-Prestige,Borosil,Hawkins	No s	1		
154	Idli cooker -Big 6 stage plates Dimensions- 21.6 x 21.6 x 19.7 cm; 1.45 Kilograms	No s	1		
155	Roaster pan Dimensions-37*25*5.5 cm Weight-480 Grams	No s	1		

	Color – Black Shape- rectangular				
156	Plate big - Steel (tray) Material- Stainless Steel Size-12 “	No s	1		
157	Plate small - steel (tray) Material- Stainless Steel Size-09 “	No s	1		
158	Mixer/juicer/grinder (Food processor) Body – ABS Watt-1000 W Blade material- Stainless Steel Motor Winding – Copper Juice Extractor Overload protector	No s	1		
159	Rice Stainer Material -Stainless steel Dimension-35x28x12 cm	No s	1		
160	Food Serving Bowls/ Vessels( 4 in 1) Material -Stainless Steel Size-4.5 x18cm Scrach Proof	No s	1		

161	<p>Commercial Washing Machine  Dimensions-1280*1400*1870 mm  Capacity – 30-45 kg  Drum Volume-305L  Drum Diameter-840 mm  Motor- 7.5 Hp  Extraction Maximum Speed-865 RPM  G-Factor(In)-350</p>	Nos	1		
162	<p>Commercial Micro Oven  Capacity – 71 Liters  Convention grill microwave</p>	Nos	1		
163	<p>Garbage Drum  Capacity 240 Liters  Material – Virgin Plastic  Colour- to be finalized in by engineer in charge</p>	Nos	1		
164	<p>Dinning Table Sets – plastic- 4 seater  Dimension- 73D x 114W x 74H Centimeters  Colour- to be finalized by the Engineer incharge</p>	Nos	1		

165	<p>Plastic jars/ Container</p> <p>Capacity -200 ml</p> <p>Set of 6 nos.</p>	Nos	1		
<b>COMMON FACILITIES</b>					
166	<p>Kitchen Chimney</p> <p>Stainless steel oil collector</p> <p>Size: 90 cm(3-5 burner stove for wall mounted chimneys)   Suction Capacity: 1500 m3/hr(For kitchen size more than 200 sqft and heavy frying/grilling)   Filter Surface Area: 78 x 30 cmsq.</p> <p>Noise Level-58 dB</p>	Nos	1		
167	<p>Exhaust Fans 18"</p>	Nos	1		
168	<p>PUREIT CLASSIC AUTOFILL 23L</p> <p>With inbuilt candle</p>	Nos	1		
169	<p>Mega Phone</p> <p>Operates on UM-3 (aa) Pencil Cells &amp; 12V Car Battery.</p> <p>Class-D Amplifier provides extremely high efficiency of power consumption that extends the battery life to around 8 hours. All ABS body, sturdy yet lightweight.</p> <p>Built-in Siren. Clear sound, long range &amp; efficient design.</p>	Nos	1		

	Microphone with Volume Control & Press-to-Talk Switch. Additional microphone switch is provided in the hand grip				
170	Fire Extinguisher -ABC type-2 Kg	Nos	1		
<b>LIGHTS / FANS</b>					
171	Corridor Wall fans 24 Inch, 180 W, 3 Blade Air Circulator Green Wall Mounted Fan with Regulator	Nos	1		
<b>WAITING AREA/ GUEST AREA</b>					
172	Providing and placement of conference table without Chair. size shall be ( 1) 675 Width mm x 600 Depth mm x 750 Height mm , seats (2) 1350 Width mm x 600 Depth mm x 750 Height mm . Top shall be 25 mm PLB thick With PVC beading all over . In Under structure legs shall be made from 18 mm thick PLT having curved profile plus Modesty shall be made from PLT (pre - laminated twin ) boards 18 mm thick in. Wire manager shall be running along the width of desk fitted on the modesty panel from inside.	Nos	1		

### Annexure V: Schedule of requirement of Civil Works

Sl.No	Description	Unit	Rate (Incl. GST) In Figures	Rate (Incl. GST) In Words
<b>CIVIL WORKS</b>				
1	<b>Plain cement concrete (1:2:4)</b> in foundation and bottom layers of flooring using 12 mm size black hard crusher broken granite chips.	Cum.		
2	<b>R.C.C. work of M-25 grade</b> with 20mm and down grade black hard granite (crusher broken) stone chips including hosting including laying with <b>Centering &amp; Shuttering etc.</b> all complete as per the direction of the Engineer-in-charge.	Cum		
3	Making <b>plinth protection 50 mm thick</b> of cement concrete 1:3:6 (1 cement:3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top	Sqm		
4	Providing <b>M.S reinforcement for R.C.C work</b> including cutting, bending, and tying the grills and placing in position including cost of binding wire 18 to 22 gauge etc. complete as per the direction of the Engineer-in-charge.	Qntl		
5	<b>Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm.</b> size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2\%$ in cement mortar (1:6) in 230 mm thick wall, immersing the bricks for minimum 6 hrs in water before use,	Cum		

6	<b>Half brick masonry with non modular fly ash bricks</b> of class designation 10, conforming to IS :12894, <b>in super structure in Cement mortar 1 : 4 (1 cement : 4 coarse sand)</b> above plinth and upto floor V level as per the direction of the Engineer-in-charge	Sqm.		
7	Providing average <b>35 mm thick grading concrete (1:2:2)</b> on roof slab with <b>6mm</b> size hard granite chips as per the direction of the Engineer-in-charge.	Sqm		
8	<b>Providing Avg. 12 mm thick cement plaster 1:4</b> (1 cement : 4 sand) <b>to inside surface etc.</b> as per the direction of the Engineer-in-charge.	Sqm		
9	<b>Providing Avg. 16 mm thick cement plaster 1:4 (1 cement : 4 sand) to outside surface etc.</b> as per the direction of the Engineer-in-charge.	Sqm		
10	Providing average <b>6 mm thick cement plaster(1:4)</b> to R.C.C surfaces finished smooth including deep chipping & slurring treatment etc. complete.as per the direction of the Engineer-in-charge.	Sqm		
11	Providing & applying <b>cement punning</b> over cement plaster.	Sqm.		
12	Providing and applying <b>2 coats with 100% acrylic emulsion paint (exterior quality)</b> of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost , conveyance, taxes of all materials, cost of all labours , T & P, sundries etc. as required for the work complete.	Sqm		

13	Finishing walls with <b>water proofing cement paint</b> of approved shade on new work two coats to give an even shade including cost of paint etc., all complete as per direction of Engineer-in-charge.	Sqm		
14	<b>Supplying and painting of internal walls and ceiling with two or more coats of acrylic emulsion paint</b> which includes two coat of <b>internal putty</b> with a coat of <b>primer</b> all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials,scaffolding etc., as per the direction of the Engineer-in-charge.	Sqm		
15	Providing and applying 2 coats of <b>textured paint</b> of approved make on the surface to be finished with required thickness putty which includes one coat of primer of approved brand including preparation of surface, with cost of all materials, labour, conveyance, taxes, royalties, scaffolding, watering, curing, sundries, tools and plants, etc., as per the direction of the Engineer-in-charge.(Approved Make DULUX)	Sqm.		
16	<b>Synthetic enamel painting two coats</b> over one coat of primer on wood surface. etc.,complete as per the direction of the Engineer-in-charge.	Sqm.		
17	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.			
	With ready mixed red oxide zinc chromatic on steel /iron works having VOC content less than 250 grams/litre.	Sqm		
	<b>FLOORING</b>			

19	2.5 cm <b>A.S. Flooring</b> with cement concrete (1:2:4) including punning using 12mm size crusher broken granite chips with all complete as per direction of engineer in charge.	Sqm		
20	Fixing <b>Chequered tile in floors</b> treads or steps and landing on 25mm thick bed of cement mortar 1 :1 (1 cement : 1 sand ) jointed with neat cement slurry mixed with pigment to match the shades on the tiles etc. complete as per direction of engineer in charge.	Sqm		
21	Fixing <b>vitriified tiles (600mm x 600mm) in floors</b> treads or steps and landing on 25mm thick bed of cement mortar 1 :1 (1 cement : 1 sand ) jointed with neat cement slurry mixed with pigment to match the shades on the tiles etc. complete as per direction of engineer in charge.	Sqm		
22	Fixing <b>vitriified tiles (600mm x 600mm) in dados skirting</b> and risers of step on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigment to match the shades on the tiles etc. complete as per direction of engineer in charge.	Sqm		
23	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :	Sqm		
24	Fixing <b>Kota tile in floors treads or steps and landing</b> on 25mm thick bed of cement mortar 1 :1 (1 cement : 1 sand ) jointed with neat cement slurry mixed with pigment to match the shades on the tiles etc. complete as per direction of engineer in charge.	Sqm		

25	Fixing <b>kota tile in dados skirting</b> and risers of step on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigment to match the shades on the tiles etc. complete as per direction of engineer in charge.	Sqm		
26	Fixing <b>Anti-skid Ceramic tile (300mm x 300mm) in floors</b> treads or steps and landing on 25mm thick bed of cement mortar 1 :1 (1 cement : 1 sand ) jointed with neat cement slurry mixed with pigment to match the shades on the tiles etc. complete as per direction of engineer in charge.	Sqm		
27	Providing and fixing <b>1st quality ceramic glazed wall tiles</b> of approved make of 5mm and size <b>450 mm X 300 mm</b> conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours,shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm,including pointing in white cement mixed with pigment of matching shade complete as per the direction of the Engineer-in-charge.	Sqm		
28	Providing <b>18 mm thick</b> approved quality & shade <b>polished granite slabs</b> , and cutting to required size laid over 20 mm thick under layer of cement mortar (1:3) to masonry or concrete surfaces in skirting, dado, risers and treads of steps, counters, edtges / facias complete (screwing on vertical surfaces if required) to proper level and joints filled with cement mixed with oxide matching colour in required proportion, washed, acid cleaned, including cost of all materials, labour, conveyance, taxes, royalties, scaffolding, watering, curing, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-charge.	Sqm		

29	Providing and fixing <b>30mm thick Granite stone work for wall lining at all height</b> in cement mortar 1:3 (1cement : 3 coarse sand) including pointing with white cement mortar with an admixture of pigment to match the granite shade complete as per direction of Engineer-in-charge.	Sqm		
30	Extra for providing edge moulding to <b>18mm thick marble stone counters, Vanities</b> etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	Mtr.		
31	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	Each		
32	<b>Mirror polishing</b> on marble work / Granite work/ stone work where ever required to give high gloss finish complete.	Sqm		
33	Supplying and fixing of <b>W.I. clamps</b> 25 cm to 30 cm long of 35mm x 5mm size for doors including fixing in C.C. 1:3:6 with 12mm to 20mm hard stone chips or in cement mortar 1:3 including cost of all materials.	No.		
34	Providing and laying <b>water proofing treatment on roofs of slabs</b> by applying cement slurry mixed with water proofing cement compound consisting of applying:	Sqm		
	(a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.			

	(b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.			
	(c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around.			
35	Supplying, fitting & fixing <b>100 mm dia p.v.c rain water pipe (medium)</b> with necessary bends , shoes, heads, etc. including cost of P.V.C pipe, clamps, nails etc. complete.	Rmt		
	<b>DOOR &amp; WINDOW :</b>			
36	Providing fitting, fixing of <b>Al. door and ventilator with Al. choukath having OEL Anodized Al. door choukath</b> section no. 9205 & shutter section of 9219 as vertical member and top member, 9232 as bottom & middle member including fixing of 6mm plain glass in ventilator 8mm thick plain glass in shutter as panels of door frame by means of tapered clip no. 4660 and the to be completed by means of jointing angle no. 1855 <b>including fixing 6 no.s of 4" aluminium heavy hinges , 4 no.s aluminium decorative handles , 2 no.s 250mm x 10mm aluminium tower bolt , 2 no.s of godrej make floor spring of model nom 3873, 1 no. of godrej make 6 lever mortice lock of approved model</b> with cost of all material, cost of all fixture, cost of all labour, T&P , hire charges of drilling machine etc. complete.	Sqm.		

37	Providing and fixing <b>ISI marked flush door shutters</b> conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.			
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm.		
38	Supplying and fixing Sal wood in <b>Single rebate frames</b> of doors, and other frames, raw framed of 125 mm x 62 mm size including all fittings and S.S screw on wooden joinery, grooves and making arrangement as shown on drawing, etc. complete, as per the direction of the Engineer-in-charge.	Cum.		
39	Supplying,fitting and fixing of <b>FRP door frame of size 75 X 100mm</b> including drilling holes in masonry wall with cost of all materials,rawl plug,screws,taxes and cost of all labour ,etc.complete.as per the direction of the Engineer-in-charge.	Mtr.		
40	Supplying,fitting, fixing of factory made <b>single leaf rigid F.R.P composite door shutter</b> of 32mm thick,laminated with to G.R.P skins with wood grain finished,fabricated using UV stabilized Isophthalic gal coat and one layer of 450 gsm E-glass Chopped Strand Mat(CSM) impregnated with orthopathalic,polyster resin etc., with cost,conveyance and taxes of all materials and labour etc.complete.as per the direction of the Engineer-in-charge.	Sqm.		

41	<p>Supplying, fitting and fixing of <b>M.S shutter with frame with m.s angle frame</b> of 35 x 35 x 6mm and shutter section of 30 x 30 x 5mm m.s angle with welding of 25 x 6 mm flat and welding of 16 gauge C.R sheet with two coat of best quality of red oxide primer and enamel paint of approved shade &amp; arrangement of clamp, fitting of 3 no.s of 4" hinges, 1 no. of 2" hinges and 300mm x 16mm m.s aldrop with 8" tower bolt including cost conveyance, taxes of all materials , labour, T&amp;P etc. all complete as per drawing and direction of Engineer-in-charge .</p>	Sqm.		
42	<p>Providing and fixing of <b>Sliding windows of approved make</b> to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with total coated thickness of 0.55 mm .Slide guide section should be made of 0.5 mm stainless steel of 430 grade. with paint specification being with primer of 5-7 microns thick and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7 microns and the Sections for external frame bottom and top should be of 79 x 45 mm.</p>			

	external frame sides should be of 69 x 24 mm, guide for top and bottom should be of 69 x 26 mm (Stainless Steel). Section for shutter should be of 26 x 30 mm, Sash bar should be of 23 x 57mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like gasket will be made of EPDM. All corner brackets for internal and external are to be made of glass filled nylon. The sections are to be cut to length, joined and assembled by means of corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all fixtures like handles, tower bolt and required hinges.	Sqm.		
43	Supplying, fabricating and fixing <b>MS grills, railing and M.S frame</b> made up with M.S. square bar / round bar / flat / plate as per design and drawing including applying <b>two coat enamel paint over a coat of red oxide primer</b> including all fixtures and fixing the same to wooden door and window frames as per requirement and direction of Engineer-in-charge.	KG.		
44	Making new the existing door by making surface level and finish with <b>veneer</b> of approved shade and make duly polished complete with door accessories.	Sqm.		
45	Making new the existing door by making surface level and finish with <b>1 mm laminate</b> of approved shade and complete with door accessories.	Sqm.		
46	Providing and fixing <b>frameless glass door</b> with <b>12mm toughened glass</b> with necessary patch fittings(Dorma) of approved make and as per the directions of the architect.	Sqm.		

47	Providing & fixing <b>flush door</b> . Frame made out of ply of <b>thickness 30mm</b> , with lock handles, hinges, stopper , tower bolt, door closures etc. complete of approved quality . The ply is finished with 1 mm thick laminate from both sides. All exposed wooden members to be finished in Melamine polish, in approved shade and pattern to be match with partition or as as per instruction.	Sqm.		
48	Same as above but finished on <b>one side with 4 mm teak veneer</b> duly melamine polished & Other side 1mm laminate complete .	Sqm.		
49	Same as above but finished both side with <b>4 mm teak veneer</b> duly melamine polished complete .	Sqm.		
50	Same as above but finished both side with <b>4 mm teak veneer</b> duly melamine polished complete .	Sqm.		
51	P/F Acoustical doors in position with proper line and level.The shutter shall consists of CP-II wood inner frame 40x40mm with top, bottom and lock rail and covered with 150 X 12mm thick Rubber wood slates in inner side with 8mm distance between two slates & 12mm ply with 1mm laminate from outside .The core shall be filled with glass wool of 32kgs density for sound insulation.The shutter shall be fitted into ply door frame.The shutter and door frame shall be finished with 1mm laminate of approved shade and make.The door shall be fitted with 4 nos heavy duty brass hinges and stainless steel handle and imported door closer complete lock arrangement etc.	Sqm.		

52	<p>P/F Acoustical doors in position with proper line and level. The shutter shall consist of CP-II wood inner frame 40x40mm with top, bottom and lock rail and covered with 150 X 12mm thick Rubber wood slates in inner side with 8mm distance between two slates &amp; 12mm ply with 1mm laminate from outside. The core shall be filled with glass wool of 32kgs density for sound insulation. The shutter shall be fitted into ply door frame. The shutter and door frame shall be finished with 4 mm teak veneer duly melamine polished and made. The door shall be fitted with 4 nos heavy duty brass hinges and stainless steel handle and imported door closer complete lock arrangement etc</p>	Sqm.		
53	<p>a) Providing and fixing as per approved sample, 100mm wide vertical Fabric Blind of approved make (high quality) complete with hanging channel, sliding and tilting systems in 'drawn' position fabric vanes to overlap by minimum of 10mm (every 1.0 mt running length to have at least 11 Nos 100mm wide fabric vanes) Length of blinds as mentioned in drawings bottom end to be at least 25 mm below horizontal surface. Fabric strip as that of fabric vanes, to be fixed on both side of aluminium top channel. Lower ends of the vanes to be weighed down and tied with each other on both corners, with ball chains. The fabric to be Scotchgard and sanitised (stain repellent) average thickness 0.8 mm, 100 % polyester non woven. Items to be completed in all respects including fixing with brackets onto wall or partition with rawl plugs complete as per the direction of architect Make - Vista or equivalent.</p>	Sqm.		
54	<p>Providing and fixing of <b>Venetian blinds</b> Both side Coated with Blackout Fabric, Coating is of PU. Max. Width 2.50 M; with smooth operating roller rods of approved shade and quality</p>	Sqm.		

55	Providing and fixing <b>roller blinds</b> Vista/Mascot make and shade with hanging and drawing system including all hardware and fixing complete.	Sqm.		
56	Providing and fixing <b>curtain rods</b> of 1.25mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with c.p. Brass screws and wooden plugs, etc., wherever necessary complete	Mtr.		
57	Curtain of required shades	Sqm.		
	<b>STORAGE CABINET OPENABLE / SLIDING SHUTTER (Laminate Finish) : (450mm D.)</b>			
58	<b>STORAGE WITH LAMINATE :</b> Providing supplying and fixing at site Side and Back storage unit 450 deep made out of 18 mm thk ply board and back of the side unit is of 8mm ply, unit is provided with verticle and horizontal divisions as per design with drawers & shutters, lockable, with all hardware like hinges, tower bolt, magnetics catcher, lock of approved quality. The cabinet should be raised 75/100mm above ground. Inside exposed ply surfaces of the runner with putty finish, wood primer coats and finished with 3 coats of flat oil base color paint with specified shade. Exposed outside surface Laminated with standard grade laminate of approved design and make. All exposed edges finished with first quality T.W. beadings to be finished in 2 to 3 coats of melamine polish of approved shade. . Provision for cable boxes etc complete if required	Sqm.		

II	<p><b>STORAGE WITH VENEER FINISH :</b>  Providing supplying and fixing at site Side and Back storage unit 450 deep made out of 18 mm thk ply board and back of the side unit is of 8mm ply, unit is provided with verticle and horizontal divisions as per design with drawers &amp; shutters, lockable, with all hardware like hinges, tower bolt, magnetics catcher, lock of approved quality. The cabinet should be raised 75/100mm above ground. Inside exposed ply surfaces of the runner with putty finish, wood primer coats and finished with 3 coats of flat oil base color paint with specified shade. Exposed outside surface veneer finish with melamine polish of approved colour and gloss in 3 coats of melamine finish over 3 coats of sealer as per best practice. All exposed edges finished with first quality T.W. beadings to be finished in 2 to 3 coats of melamine polish of approved shade. . Provision for cable boxes etc complete if required</p>	Sqm.		
59	Providing vision panel not exceeding 0.1 sqm in all type of flush doors Rectangular or Square	Sqm.		
60	Wooden Louvers (not exceeding 0.2 sqm) are provided in flush door shutters.	Sqm.		
61	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete	Mtr.		
62	Providing and fixing <b>12 mm thick frameless toughened glass door</b> shutter of approved brand and manufacturer, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge including all accessories	Sqm		
	<b>FITTING AND FIXTURES FOR DOORS</b>			

63	SS Handle (25 x 450mm ) of approved make.	Nos.		
64	SS Handle (200mm ) of approved make.	Nos.		
65	SS Handle (150mm ) of approved make.	Nos.		
66	Providing and fixing <b>aluminum handles</b> ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade or powder coated( minimum thickness 50 micron aluminum)with necessary screws etc. complete :			
	125 mm	Nos.		
	100 mm	Nos.		
67	Chromium plated <b>Brass mortice latch and lock 100x65 mm with 6 levers</b> and a pair of brass lever handles	Nos.		
68	SS 304 tower bolt (200mm)	Nos.		
69	SS 304 tower bolt (150mm)	Nos.		
70	Providing and fixing aluminum hanging floor <b>door stopper</b> ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade or powder coated( minimum thickness 50 micron aluminum) with necessary screws etc. complete. Twin Rubber Stopper	Nos.		
73	Providing and fixing aluminum die cast body tubular type universal <b>hydraulic door closer</b> (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm) with necessary accessories and screws etc. complete.	Each		

74	SS 304 hinges (125mm)	Nos.		
75	Aldrop (10")	Nos.		
76	Magnetic Door silencer .	Nos.		
	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.			
77	With stainless steel cover plate minimum 1.25 mm thickness	Nos.		

78	<p>30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (<math>\pm 0.2</math> mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20mm and 1 mm (<math>\pm 0.1</math> mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (<math>\pm 0.2</math> mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (<math>\pm 0.1</math> mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge including door frame</p>	Sqm		
79	<p>Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacturer, including providing and fixing top &amp; bottom pivot &amp; spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).</p>	Sqm		
80	<p>Providing and fixing approved brand and manufacture SS 304 grade D type 1200mm Pull Handle with 32mm dia fixed with SS screws etc. complete in all respects as per manufacturers' specifications &amp; as directed by Engineer-in-charge.</p>	Pair		

81	Providing and fixing approved brand and manufacture SS 304 grade D type 300mm Pull Handle with 22mm dia fixed with SS screws etc. complete in all respects as per manufacturers' specifications & as directed by Engineer-in-charge.	Pair		
82	Providing and fixing approved brand and manufacture SS 304 grade Patch Lock with Cylinder fixed with SS screws etc. complete in all respects as per manufacturers' specifications & as directed by Engineer- in-charge.	Set		
83	Providing and fixing approved brand and manufacture SS 304 grade door Buffer wall mounted 22mm dia, 75mm long with Cover fixed with SS screws etc. complete in all respects as per manufacturers' specifications & as directed by Engineer-in-charge.	Each		
	<b>STEEL WORK</b>			
84	Designing, providing, installing/fixing skylight consisting of 16mm thick multiwall polycarbonate sheet "Danpalon" or equivalent in approved color (minimum 900mm wide) with standing seam on both sides & double tooth snap on locking system to ensure maximum uplift capability. The panel shall be co-extruded UV protected and antiglare/softlight to prevent glare/sun streak . The cross section of one cell should not be more than 4mmX4mm & weight of single panel shall not be less than 3250 per square metre. The system shall be fitted on purlins with spacing as specified by manufacturer with stainless steel fastener & screws and supported on MS tube framework, complete as per specification, drawing and direction of Engineer in Charge. The rate includes cost of all the operations,labour materials and tests (as applicable) for proper completion of the work except the M.S tubular framework which shall be measured and paid separately (For payment purpose the area of finished <b>polycarbonate sheet</b> fixed in position shall only be measured).	Sqm		

83	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg		
84	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.			
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg		
85	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg		
	<b>MISCELLANEOUS WORK</b>			
86	Providing and pasting of wall paper of approved make etc with all accessories, labour T&P etc complete.	Sqm		
87	Providing and applying vinyl coated wall paper of approved brand and finish as per the architects specification including scaffolding cleaning etc., at all levels and location etc, complete as directed and approved by architect.	Sqm		

88	<p><b>Wooden flooring</b> - Providing and fixing 8 mm prelaminate wooden flooring as per approved Brand, colour and shade and laid on the levelled floor with approved adhesives &amp; underlayment including polishing edge profile and termination profile for skirting and different flooring, PU polish matt finish etc. with seamless joint, 2 side V-groove finish scratch resistant, moisture resistant, strong and durable, underlayer of supreme profile 8mm polyurethane sheets as directed by the architect on levelled finished floor. complete as per design and drawings, specifications and as directed by the architect.</p>	sqm		
89	<p>Tufted carpet - Providing and fixing in position imported tile carpet of approved shade and brand 540 GSM PILE WT , GROSS WT 3400 GMS, Graphic loop pile having thickness 5mm-6mm and size 500 x 500 mm with primary backing of polypropylene woven sect and secondary PVC backing, complete as per drawings, specifications and as per the direction of architect. Carpet to be installed with standard fevicol/Dunlop adhesives. The flooring to be installed as per manufacturer's specifications and to be installed by its authorized agency or as approved. The installation to be in line and level including the cost of all materials, disposal of debris etc, complete to the satisfaction of architect.</p>	Sqm		

90	<p>Carpet flooring - Providing and fixing in position imported carpet of approved shade and brand 550 GSM PILE WT , GROSS WT 1800 GMS, Graphic loop pile having thickness 7mm-9mm with primary backing of polypropylene wooven sect and secondary action back, complete as per drawings, specifications and as per the direction of architect.Carpet and underlay to be installed with standard fevicol/Dunlop adhesives.The flooring to be installed as per manufacturer's specifications and to be installed by its authorized agency or as approved, with eighteen months warranty from principals from any manufacturing defects.The installation to be in line and level including the cost of all materials, disposal of debris etc, complete to the satisfaction of architect.(Inclusive of profile)</p>	Sqm		
91	<p>Vinyl Floor plank - Providing and fixing 2.5mm thick resilient vinyl flooring confirming to EN 649 with flexibility confirming to EN 435 in the form of wood finish planks of size 152.4 X914.4 mm (6"X36") in colour and finish as selected by the architects / clients fixed with water based adhesives .</p>	Sqm		
92	<p>Vinyl Floor plank Form -Providing and fixing 2.5mm thick resilient vinyl flooring confirming to EN 649 with flexibility confirming to EN 435 in the form of rolls and finish as selected by the architects / clients fixed with water based adhesives.</p>	Sqm		
93	<p>Artificial <b>Turf grass flooring</b> - 35MM Classic - Colour 4 Tone- Component PE + PP - Standard width 2m x 25m</p>	Sqm		
94	<p>Providing and fixing <b>Single Glazing 6 mm</b> thick toughened glass ST 450 from Saint Gobain or equivalent complete in all respects as per direction of the Engineer-in-charge. (Required properties Solar factor 0.43, U- Value (W/sq.m-K) 5.6, Visible light transmittance 0.43) including aluminium framing work and sealant .</p>	Sqm		

95	Providing and fixing over glass 1.5mm thick <b>Etching strips</b> (film) of approved make fixed as per manufacturer's specifications all complete as per direction of the Engineer-in-charge.	Sqm		
<b>WATER SUPPLY</b>				
	<b>For Water Supply</b>			
1	Providing and fixing of required dia of <b>Chlorinated Polyvinyl Chloride (CPVC) pipes</b> , of approved make having thermal stability for hot & cold water supply, <b>including all CPVC plain &amp; brass threaded fittings</b> , i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.			
	(Concealed work, including cutting chases and making good the walls etc.)			
1.1	15 mm nominal outer dia pipes.	Mtr.		
1.2	20 mm nominal outer dia pipes.	Mtr.		
1.3	25 mm nominal outer dia pipes.	Mtr.		
1.4	32 mm nominal outer dia pipes.	Mtr.		
2	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete			
2.1	25 to 40 mm nominal bore	Item		
2.2	50 to 80 mm nominal bore	Item		
3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)			
3.1	25mm nominal bore	Each		
3.2	32 mm dia, nominal bore	Each		
3.3	40 mm dia, nominal bore	Each		
3.4	50 mm dia, nominal bore	Each		
3.5	65 mm dia nominal bore	Each		
3.6	80 mm dia nominal bore	Each		

4	Providing and fixing <b>PTMT Ball cock</b> of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball.			
	50 mm nominal bore, 242mm long, weighing not less than 1240 gms	Each		
5	Providing and fixing <b>gun metal gate valve</b> with C.I. wheel of approved quality (screwed end) as per direction of Engineer-in-charge.			
5.1	32 mm nominal bore	Each		
5.2	40 mm nominal bore	Each		
6	Providing and fixing <b>ball valve (brass)</b> of approved quality, High or low pressure, with plastic floats complete as per direction of Engineer-in-charge.			
6.1	25 mm nominal bore	Each		
6.2	32 mm nominal bore	Each		
7	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but with fittings and the base support for tank.			
7.1	500 Ltr.	Each		
7.2	1000 ltr.	Each		
7.3	2000 Ltr.	Each		
7.4	5000 ltr.	Each		
8	Providing, installation, testing and commissioning below counter installation type portable Drinking Water R.O. unit complete in all respect discharge matching with Water Cooler.	Each		
9	Providing, insatallation, testing & commissioning of water cooler having nominal cooling capacity of 20 liters per hours, with 20 litres dispenser with 2 nos. of faucets, (cold water tap, normal water tap) to work on one phase 230 volts 50 Hz AC power Receiving, storing, handling, with complete assessories including cutting and making wall as required	Each		
<b>SANITARY INSTALLATION</b>				

1	Providing and fixing <b>white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern</b> & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :			
	W.C. pan with ISI marked white solid plastic seat and lid	Each		
2	Providing and fixing <b>white vitreous china flat back half stall urinal of size 580x380x350 mm</b> with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :			
	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each		
3	<b>Providing and fixing wash basin</b> with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:			
	<b>White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap</b>	Each		
4	Providing and fixing <b>white vitreous china pedestal for wash basin</b> completely recessed at the back for the reception of pipes and fittings.	Each		

5	Providing and fixing <b>Stainless Steel A ISI 304 (18/8) kitchen sink</b> as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :			
	<b>Kitchen sink with drain board</b>	Each		
	<b>510x1040 mm bowl depth 250 mm</b>			
6	Providing and fixing <b>P.V.C. waste pipe</b> for sink or wash basin including P.V.C. waste fittings complete.			
	<b>32 MM dia Flexible pipe</b>	Each		
7	Providing, fitting and fixing of <b>C.P. brass bottle trap in wash basin</b> including all fittings etc. all complete.	Each		
8	Providing and fixing <b>C.P. brass bib cock</b> conforming to IS : 8931 of approved make with 15 mm nominal bore.	Each		
9	Providing and fixing of <b>C.P. brass concealed stop cock</b> extra heavy body with 15 mm nominal bore all complete with wall flange of approved make.	Each		
10	Providing and fixing of <b>C.P. brass angular stop cock</b> with 15 mm nominal bore of approved make.	Each		
11	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet etc. all complete.	Each		
12	Providing and fixing <b>C.P. brass long nose bib cock</b> with wall flange conforming to IS : 8931 and weighing not less than 810 gms of approved make with 15 mm nominal bore.	Each		
13	Providing and fixing <b>600x450 mm beveled edge mirror of superior glass</b> (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each		

14	Providing and fixing 600x120x5 mm glass shelf with edges round off,supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	Each		
	Providing and fixing <b>toilet paper holder.</b>			
15	Providing and fixing of <b>32 mm dia C.P. brass waste coupling for wash basin.</b>	Each		
16	Providing and fixing <b>stainless steel jali (grating) with or without hole</b> for waste pipe for floor / Nahani trap.	Each		
16.1	100 mm dia. weight not less than 100 gms.			
16.2	75 mm dia. weight not less than 100 gms.			
17	Providing and fixing of <b>600 mm long heavy duty C.P. connecting tube</b> with heavy quality C.P. brass adjustable bolts on both end.	Each		
18	Providing and fixing <b>brass tap</b> confirming to IS : 8931 of approved make with 15 mm nominal bore.	Each		
19	Providing, fitting and fixing of <b>C.P. brass shower arm</b> of approved make 190 mm long heavy body with wall flange and pressure adjustable shower of approved make.	Each		
20	Providing, fitting and fixing of <b>health faucet</b> confirming to IS : 8931 of approved make.	Each		
21	Providing of following <b>C.P. brass toilet accessories in toilets</b> of approved make.	Each		
21.1	Providing and fixing towel rail complete with brackets fixed to wooden cleats with CP brass screws.			
	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	Each		
21.2	Recessed Soap dish	Each		
21.3	Grab rail in handicapped toilet	Each		

21.4	Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colours weighing not less than 80 gms	Each		
21.5	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colours weighing not less than 105 gms	Each		
21.6	Supplying, fitting and fixing over the countertop, white glazed vitreous china oval shaped wash basin of size 560 mm x 410 mm with tap holes Washbasin Oval with ISI mark - Installation over the counter type with 15 mm CP brass pillar cock long necked foam flow with flow rate < 2 litre per minute at 45 PSI, 32mm CP brass waste coupling, PVC flexible waste pipe, 15mm PVC inlet water pipe connection, CI cantilever brackets embeddd in 1:2:4 concrete, 15 mm CP brass angle stop cock -, etc. all complete at all leads and lifts as per drawings, specifications and instructions of the Engineer Incharge.	Each		
21.7	Providing and fixing C.P concealed single lever diverter with thermostatic mixer with shut off valve and diverter, including cutting and making good the walls, wherever required.	Each		
<b>DRAINAGE WORKS</b>				
1	Providing and fixing <b>Unplasticised-PVC pipe clips</b> of approved design to Unplasticised-PVC (SWR) pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with S / S screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. all complete.			
	110 mm	Nos.		

2	Providing and laying <b>non-pressure NP2 class (light duty) R.C.C. pipes</b> with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.			
2.1	150 mm dia R.C.C. Hume Pipe	Meter		
2.2	250 mm dia R.C.C. Hume Pipe	Meter		
3	Providing and fixing <b>square-mouth S.W. gully trap</b> class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :			
	180 x 150 mm size P type.	Nos.		
4	Constructing <b>brick masonry manhole in cement mortar 1:4</b> ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :	Each		
	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :			
5	Extra for depth for manholes :			
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each		

6	Constructing <b>brick masonry chamber for underground C.I. inspection chamber</b> and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 Fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:	Each		
7	Inside dimensions <b>455x610 mm and 45 cm deep</b> for single pipe line:	Each		
8	Inside dimensions <b>600 x 850 mm and 45 cm deep</b> for line with three or more inlets.	Each		
9	Supplying all materials, labour, fitting and fixing of the unplasticised - Rigid PVC (SWR) soil waste and vent pipe conforming to IS : 13592 type A on the wall surface and below ground and floor level, fixing the pipe on wall surface with the PVC clips including jointing with seal ring (confirming to IS : 5382 leaving 10 mm gap for Thermal expansion) and solvent solution as per manufacturer specification for UPVC (SWR) pipes and with solvent cement for rigid PVC pipes including cutting the pipes into required length wastage and testing as per specifications, necessary earth work in excavation and filling of the pipe line trenches providing staging and scaffolding as per requirement at site.			
	110 mm dia U-PVC (SWR) pipe.	Meter		

10	Supplying all materials, labour, fitting and fixing of the unplasticised - Rigid PVC waste and vent pipe confirming to IS : 13592 type A on the wall surface and below ground and floor level, fixing the pipe on wall surface with the PVC clips including jointing with seal ring (confirming to IS : 5382 leaving 10 mm gap for Thermal expansion) and solvent solution as per manufacturer specification for UPVC pipes and with solvent cement for rigid PVC pipes including cutting the pipes into required length wastage and testing as per specifications, necessary earth work in excavation and filling of the pipe line trenches providing staging and scaffolding as per requirement at site.			
10.1	32 mm dia U-PVC waste pipe.	Meter		
10.2	40 mm dia U-PVC waste pipe.	Meter		
10.3	110 mm dia U-PVC waste pipe.	Meter		
11	Providing and fixing on wall face Unplasticised-PVC (SWR) moulded fitting / accessories for U-PVC (SWR) pipes confirming to IS : 13592 Type-A including jointing with seal ring confirming to IS : 5382 leaving 10 mm gap for thermal expansion.	Nos.		
12	110 mm x 110 mm U-PVC (SWR) S Trap with minimum water seal of 50 mm as per IS : 5329 and IS : 2556 (Part-XIII).	Nos.		
13	110 mm x 110 mm U-PVC (SWR) P Trap with minimum water seal of 50 mm as per IS : 5329 and IS : 2556 (Part-XIII).	Nos.		
14	P.V.C. Floor trap 110 mm x 75 mm PVC (SWR)	Nos.		
15	Multiple floor trap 150 mm x 75 mm x 50 mm	Nos.		
16	Double Y with door 110 mm dia U-PVC (SWR)	Nos.		
17	Double Y plain 110 mm dia U-PVC (SWR)	Nos.		

18	110 mm dia 90 degree U-PVC (SWR) bend with door	Nos.		
19	110 mm dia U-PVC (SWR) plain bend to use for HR bend	Nos.		
20	110 mm dia 45 degree U-PVC (SWR) plain bend to use for offset.	Nos.		
21	110 mm dia U-PVC (SWR) 90 degree plain bend for EWC	Nos.		
22	110 mm dia U-PVC (SWR) vent cover.	Nos.		
23	Single T with door 110 mm dia U-PVC (SWR)	Nos.		
24	Double junction with door 110 mm dia U-PVC (SWR)	Nos.		
<b>ELECTRICAL WORKS</b>				
1	Recessed wiring to <b>light point / fan point / exhaust fan point / call bell point</b> with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.			
1.1	Angle Holder point	Point		
1.2	Tube Light Point/ceiling light point	Point		
1.3	Exhaust Fan point	Point		
1.4	Ceiling Fan Points	Point		
1.5	Calling bell Points	Point		
2	Supplying and fixing of following <b>piano type switch / socket on the existing switch box / cover</b> including connections etc as required.			

	<b>5/6 amp. Switch</b>	Each		
3	Supplying and fixing of following <b>piano type switch / socket on the existing switch box / cover</b> including connections etc as required.			
	<b>3 pin 5 / 6 amp socket outlet</b>	Each		
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.			
4.1	Telephone socket outlet	Each		
4.2	TV antenna socket outlet	Each		
4.3	6A modular switch	Each		
4.4	16A modular switch	Each		
4.5	6A modular socket	Each		
4.6	16A modular socket	Each		
5	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.			
5.1	1 or 2 Module (75mmX75mm)	Each		
5.2	3 Module (100mmX75mm)	Each		
5.3	6 Module (200mmX75mm)	Each		
6	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	Each		
7	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each		
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But with MCB/RCCB/Isolator)			
8.1	2 + 8 way, Single door	Each		
8.2	2 + 12 way, Single door	Each		

8.3	12 Way (2+12), Double Door	Each		
8.4	8 Way (2+8), Double Door	Each		
9	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But with MCB/RCCB/Isolator)			
9.1	6 Way (4+18), Double Door	Each		
9.2	8 Way (4+24), Double Door	Each		
10	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but with MCB's and incomer ) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase are required.)			
10.1	6 way (4 + 18), Double door	Each		
10.2	8 way (4 + 24), Double door	Each		
10.3	12 way (4 + 36), Double door	Each		
11	Supplying and fixing 5 amps to 32 amps rating, 240 volt, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
11.1	Single Pole	Each		
11.2	Triple pole and neutral	Each		
12	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
12.1	40 Amp	Each		
12.2	63 Amp	Each		

13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
13.1	40 Amp	Each		
13.2	63 Amp	Each		
14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
14.1	25 Amp	Each		
14.2	40 Amp	Each		
14.3	63 Amp	Each		
15	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Set		
16	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed steel/ PVC conduit as required.	Meter		
17	Supplying and fixing of <b>metal box of 150 mm x 75 mm x 60 mm deep (nominal size) on surface</b> or inrecess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5 / 6 amps socket outlet and 5 / 6 amps piano type switch, connection, painting etc as required.(For light plugs to be used in non residential buildings)	Each		

18	Supplying and fixing of <b>metal box of 180 mm x 100 mm x 60 mm deep (nominal size)</b> on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin 15 / 16 amps socket outlet and S.P. 15 / 16 amps piano type switch, connection, painting etc as required. (For light plugs to be used in non residential buildings)	Each		
19	Supplying and fixing <b>batten holder / BK angle holder</b> ISI marked including connection etc. as required.	Each		
20	Supply, Installation, Testing and Commissioning of resistance type <b>ceiling fan regulator</b> , in existing switch box including connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor, earthing the regulator as required	Each		
21	Supply of all required materials and recessed wiring to circuit / sub-main with followings number and sizes of PVC insulated FRLS 1100 volt grade stranded copper wire run inside 20mm PVC conduit (14S.W.G) pipe laid on surface of wall / ceiling and copper wire as earth continuity conductor and comple in all respect including making good to all damages caused and as per instruction of Electrical Engineer - in - charge. All switches & ceiling roses are ISI marked.			
22	Recessed wiring to submain in <b>2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor</b> of ISI marked conforming to IS-694/1990 in 20 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired.	Meter		

23	Recessed wiring to submain in <b>2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor</b> of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired.	Meter		
24	Recessed wiring to submain in 4 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)	Meter		
25	Recessed wiring to submain in 4 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)	Meter		
26	Supplying & drawing following pair, 0.5 sq mm FR PVC insulated copper conductor, unarmoured telephone cable in the existing surface / recessed steel/PVC conduit as required.			
	2 pair	Meter		
27	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Meter		

28	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.			
28.1	20 mm dia	Meter		
28.2	25 mm dia	Meter		
28.3	32 mm dia	Meter		
29	Supply & erection of 4 x25 sqmm Ar. Al. calbe	Meter		
30	Supply & erection of 3x1/2x240 sqmm Ar. Al. calbe	Meter		
31	Supply & erection of 3x1/2x150 sqmm Ar. Al. calbe	Meter		
32	Supplying and fixing of following sizes of <b>PVC conduit along with accessories in recessed wiring including cutting the wall</b> and making good the same in case of recessed conduit as required.			
	<b>20mm pvc conduit</b>	Meter		
33	Supplying and fixing of <b>16 / 18 SWG metal box of following sizes (nominal size) on surface</b> / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.	Nos.		
	<b>EARTHING</b>			
35	<b>Earthing with G.I earth pipe 3 meter long 40 mm dia</b> ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required	Nos.		
36	Supplying and laying <b>8 SWG copper wires</b> ISI marked <b>at 0.5 meter below ground level</b> for conductor earth electrode including soldering			

	<b>8 No swg</b>	Meter		
37	Providing and fixing of <b>lightning conductor finial made of 25 mm dia 300 mm long, copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate</b> including holes etc. complete as required.	Nos.		
38	Providing and fixing of <b>G.I. tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor</b> complete as required. <b>(For horizontal run)</b>	Meter		
39	Providing and fixing of <b>G.I. tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor</b> complete as required. <b>(For vertical run)</b>	Meter		
40	Supplying and fixing of <b>Call Bell / Buzzer</b> ISI marked suitable for <b>DC /AC single phase 230 volts</b> complete as required.	Nos.		
41.0	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	Nos.		

42.0	<p>Supply and creating of advance maintenance free Chemical Gel Earthing of Dual Pipe Technology (GI) of 3mtr long 50mm dia of outer shell (MS) with the 25mm dia of inner shell (MS) of 80-100 microns galvanized earth electrode filled with highly conducting metallic compounds with the permanent sealing's at both the ends with the lead terminal of 32x10mm size at the top along with 50 Kgs of chemical mixture of Resistance Lowering Grounding Minerals. The loss on ignition by mass of the chemical compound shall be less than 20%. The chemical compound should be tested and certified by any International accredited and BIS (Bureau of Indian Standards) accredited laboratory. The earth electrode shall be duly tested &amp; certified by CPRI (Central Power Research Institute), Govt of India. The chemical earth electrode manufacturer shall be an ISO 9001:2008 &amp; ISO 14001:2004 certified organization. The Earth pit should be covered with heavy duty polyplastic weather proof chamber etc. as required &amp; approved by the Engineer In charge.</p>	Nos.		
43.0	<p>Supply and laying, Testing and commissioning of following items for interconnecting the earthing stations ,panels, DBs etc. of the following sizes in built up trenches /surface/wall complete with holes &amp; fixing, jointing / terminating accessories as per specifications &amp; drawing complete as required.</p>			
43.1	<p>30mmx 06mm GI strip on surface or in recess</p>	M		
43.2	<p>Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.</p>	M		
43.3	<p>Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and refilling etc. as required.</p>	M		

43.4	Providing and fixing 4.00 mm dia copper wire ( 8 SWG) on surface or in recess for loop earthing as required.	M		
	<b>FITTING &amp; FIXTURES:</b>			
1	Supply, delivery, installation , testing and commissioning of the followig fittings / fixtures complt will all required accessories and lamps on wall / ceiling as per the direction of Electrical Engineer in Charge			
1.1	Indoor decorative luminaire for Surface and wall mounted LED batten, extruded aluminium housing provided for efficient heat dissipation with polycarbonate diffuser & integrated electronic driver for LED tube light fitting diffused for 20w LED and complete with all other accessories making good in all respect with complete testing as per direction of Engineer in charge.	Nos.		
2	Indoor decorative luminaire for Surface and wall mounted LED batten, extruded aluminium housing provided for efficient heat dissipation with polycarbonate diffuser & integrated electronic driver for LED tube light fitting diffused for 40w LED and complete with all other accessories making good in all respect with complete testing as per direction of Engineer in charge.	Nos.		
3	Indoor decorative luminaire for Surface and wall mounted LED batten, extruded aluminium housing provided for efficient heat dissipation with polycarbonate diffuser & integrated electronic driver. diffused fo 10w LED and complete with all other accessories making good in all respect with complete testing as per direction of Engineer in charge.	Nos.		

5	Providing and fixing of <b>1 x 10 W LED</b> with testing and complete with all accessories as per the direction of Engineer in charge.	Nos.		
6	<b>Surface mounted light Philips/ Havells make</b> and complete with all other accessories including fixing and making good in all respect with complete testing as per direction of Engineer in charge.(portico)	Nos.		
7	<b>Surface mounted light Philips/ Havells make</b> and complete with all other accessories including fixing and making good in all respect with complete testing as per direction of Engineer in charge.	Nos.		
8	<b>Surface mounted light Philips/ Havells make</b> and complete with all other accessories including fixing and making good in all respect with complete testing as per direction of Engineer in charge.	Nos.		
9	Supply, delivery, installation and testing of following sweeps of energysaving star rating a.c. ceiling fan complete with fan blades, down rod, canopies, capacitor etc including supply of sundry materials, making connection from the suitable point outlet but excluding cost of fan regulator complete as per Electrical Engineer in charge.	Nos.		
	<b>1200 mm sweep ceiling fan</b>			
10	Supply, delivery, installation & testing of following sweeps and speed of <b>exhaust fans suitable for operational at 250 volt, 50 hz a.c.</b> supply complete with a set of propeller blade, tripod leg for mounting of motor, ring frame, blades, gravity louvre complete assembly including supply of sundry materials, making hole of suitable size for housing of exhaust fan, making connection from suitable point outlet, making good the damages caused complete as per Electrical Engineer in charge.	Nos.		
	<b>300mm sweep 900 rpm</b>			

11	Supply, Installation, Testing & Commissioning of 1x10 watt LED light fixture recess mounted including driver etc complete as required.	Nos.		
12	Supply, Installation, Testing & Commissioning of 1x18 watt LED light fixture recess mounted including driver etc complete as required.	Nos.		
13	Supply, Installation, Testing & commissioning of 1x 9 W, mirror light.	Nos.		
14	Supply, Installation, Testing & Commissioning of 1x40 watt LED light fixture recess mounted including driver etc complete as required. (Philips Make, Cat No - MIDFLUX LED Full Glow High or equivalent.)	Nos.		
15	Supply, Installation, Testing & commissioning of 1x23 watt bracket light.	Nos.		
16	Supply, Installation, Testing & commissioning of 1x18 watt garden light.	Nos.		
17	Supply and installation of LED Downlight fitting (18W) along with the lamp and required mounting accessories. Orient Brand or equivalent.	Nos.		
18	Supply and installation of ultra slim LED panel made from extruded aluminium housing frame of 12wt led light & required mounting accessories. ORIENT BRAND or equivalent.	Nos.		
19.0	LED indoor uplighter & Downlighter			

	Supply and Installation of ambiview die cast aluminium housing, tempered glass diffuser, ip54, up-down light of 1wwl02x203xw along with installation accessories & required No,s of Drivers Complete. JAQUAR BRAND or equivalent.	Nos.		
20.0	24wt LED Baton			
	Supply and installation of glaze led batons of high quality alluminium extruded with decorative end caps along with the lamp and required mounting accessories. ORIENT BRAND or equivalent.	Nos.		
21.0	6wt LED			
	Supply and installation of ultra slim LED panel made from extruded alluminium housing frame of 6wt led light & required mounting accessories. ORIENT BRAND or equivalent.	Nos.		
22.0	EXIT Signage			
	Supply and Installation of 2x8W IP65, SURFACE mounted LED/CFL Emergency EXIT Light Fitting (with features such as Maintained & Photoluminescent) with in-built constant charging Ni-Cd rechargabel battery with 3hrs Back Up time.	Nos.		
23.0	LED Strip			
	Supply and Installation of LED Strip Light 4000K, 15W/m along with installation accessories & required No,s of Drivers Complete. ORIENT BRAND or equivalent.	Meter		
	<b>CCTV Surveillance System</b>			
1	Supply and installation, testing and commissioning of 1.3 Mp AHD IR Bullet/Dome Camera	Each		
2	Supply and installation, testing and commissioning of 16ch AHD DVR	Each		

3	Supply, testing and commissioning of 32" LED Monitor	Each		
4	Supply, testing and commissioning of 12V 20 Amps Power Supply	Each		
5	Supply, testing and commissioning of 8U Val Rack	Each		
6	Supply, testing and commissioning of RG6 + 2 Core Power Cabling	Meter		
7	Supply, testing and commissioning of 4 TB Hard Disk	Each		
8	Installation of above CCTV Surveillance System	Per Job		
	<b>Electrical Misc Work.</b>			
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLSH PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, <b>with modular switch</b> , modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. including all fittings and accessories as required.	Point		
2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( <b>without independent switch</b> etc.) with 1.5 sq. mm FRLSH PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. including all fittings and accessories as required.	Point		
3	Wiring for power plug with 2X4.0 sq. mm FRLSH PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4.0 sq. mm FRLSH PVC insulated copper conductor single core cable for loop earthing including all fittings and accessories as required.	M		

4	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLSH PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit including all fittings and accessories as required.			
4.1	2 x 1.5 sq. mm + 1 x 1.5 sq. mm earth wire	MTR		
4.2	2x 4 sq.mm + 1x 1.5 sq.mm	MTR		
5	Supplying and fixing suitable size GI box with ( 3 module) modular plate and cover in front on surface or in recess, including providing and fixing 1 nos.6 pin 6/16 A modular socket outlet and 1 nos.15/16 A modular switch, connections etc. as required.	Nos		
6	Supplying and fixing suitable size GI box with ( 6 module) modular plate and cover in front on surface or in recess, including providing and fixing 2 nos.6 pin 6/16 A modular socket outlet and 2 nos.15/16 A modular switch, connections etc. as required.	Nos		
7	Supplying, fixing, testing & commissioning of Industrial Sockets			
7.1	Supplying, fixing, testing & commissioning of 20 A, 240 V, SPN Industrial type socket outlet , with 2 pole and earth, plug top along with 20 A, "C" curve, SP, MCB, with Polycarbonate enclosure of suitable size, on surface or in recess, with cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Nos.		
7.2	Supplying, fixing, testing & commissioning of 32 A, 415 V, TPN Industrial type socket outlet , with 4 pole and earth, plug top along with 32 A, "C" curve, TPN, MCB, with Polycarbonate enclosure of suitable size, on surface or in recess, with cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Nos.		

8	Supply and Installation of 150mm sweep 2600 RPM, 400CMH (235CFM) (totally enclosed motor type exhaust fan (with bird screen) suitable for operation on 230Volts, 50 HZ single phase AC power supply along with its power point wiring (Supply, fixing, connection and testing of 3-pin 6 A power plug socket with/without 6A switch with top cover plate, PVC back box suitable for modular plate with all accessories to complete the job.) controlled by 6A switch and mounting plate with necessary accessories and gravity louvers shutters rigid frame with rubber mountings and conforming to IS-2312 (with latest amendments), including grouting of bolts for installation, supply of all materials required for interconnections complete as required as per drawing & site conditions and as directed by EIC. (Make- Crompton Greaves- Cat. Ref.-Flux Air 6") The Opening in wall/window for installation of exhaust will be provided by civil contractor.	Nos.		
9	S/F of SOUNDLESS High speed WALL fan, Heavy Duty,durable, copper winding, POLYPROPYLENE PLASTIC blade(ISI mark) Crompton Graveic/Khaitan/Orient/Polycab/Bajaj	Nos.		
	<b>DISTRIBUTION BOARDS, MCBs &amp; MCCBs</b>			
10	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, dust protected, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
10.1	4 way (4 + 12), Double door	Set		
10.2	6 way (6 + 18), Double door	Set		
10.3	8 way (8 + 24), Double door	Set		

11	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted on surface/recess with tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer ) as required .			
11.1	12 Way ( 12 + 36 ) Double Door	Set		
12	Supplying and fixing following way, single pole and neutral, sheet steel, dust protected, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
12.1	4way SPN double door, MCB DB	Set		
12.2	8way SPN double door, MCB DB	Set		
12.3	12way SPN double door, MCB DB	Set		
12.4	16way SPN double door, MCB DB	Set		
13	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, “B” curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
13.1	Single pole	Each		
13.2	SPN	Each		
13.3	40AMP DP MCB	Each		
13.4	TPN	Each		
14	Supplying and fixing FOLLOWING rating, 415 V, 10 kA, “C” curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
14.1	Four pole - 40A	Each		
14.2	Four pole - 63A	Each		
14.3	Four pole - 100A	Each		
14.4	Four pole - 125A	Each		

15	Supplying fixing, testing & commissioning of following rating, double pole, 240 V, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
15.1	25 amps	Nos.		
15.2	40 amps	Nos.		
15.3	63 amps	Nos.		
16	Supplying fixing, testing & commissioning of following rating, four pole, 415 V, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
16.1	25 amps	Nos.		
16.2	40 amps	Nos.		
16.3	63 amps	Nos.		
	<b>LT CABLES &amp; TERMINATIONS</b>			
17.00	Supply of following size of 1.1 kv grade FRLS aluminium conductor XLPE insulated and PVC sheathed armoured cable as per IS: 7098:1988 (Part-I) with upto date amendments.			
17.10	3½ core, 25 Sq.mm. A2XFY	M		
17.20	3½ core, 35 Sq.mm. A2XFY	M		
17.30	3½ core, 50 Sq.mm. A2XFY	M		
18.00	Supply of following size of 1.1kv grade FRLS multicore copper conductor XLPE insulated and PVC sheathed armoured cable as per IS : 7098:1988 with upto date amendments.			
	4 core, 16 Sq.mm.	M		
19.00	Supplying and making indoor end termination with brass double compression gland (Heavy duty type) and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			
19.10	for 3½ core, 25 Sq.mm. A2XFY	Set		
19.20	for 3½ core, 35 Sq.mm. A2XFY	Set		
	<b>CABLE TRAY</b>			

20	Supply and installation of following size of (Hot dip) GI Ladder type-Double Compartment Type cable trays(Galvanisation thickness not less than 50 micron) in convenient sections, joined with connectors including horizontal and vertical bends, reducers, tees, cross members, clamps, connection pieces and other accessories as required, duly suspended from the ceiling with GI suspenders including GI bolts & GI nuts, etc. complete as required.			
20.1	600mm X 60mm 2mm thickness	M		
20.2	1000mm X 75mm 2.0mm thickness	M		
21	Supply and installing of following size of (Hot dip) GI Perforated type, Double Compartment Type cable trays (Galvanisation thickness not less than 50 micron) in convenient sections, joined with connectors including horizontal and vertical bends, reducers, tees, cross members, clamps, connection pieces and other accessories as required, duly suspended from the ceiling GI suspenders including GI bolts & GI nuts including fabrication, etc. complete as required.			
21.1	150mm X 50mm 1.6mm thickness	M		
21.2	300mm X 50mm 1.6mm thickness	M		
21.3	450mm X 60mm 2mm thickness	M		
	<b>RACEWAYS &amp; JUNCTION BOXES</b>			
22.0	Supply & Installation of Galvanised junction boxes of following sizes with stainless steel plate cover with counter screws.			
22.1	300x300x100mm deep	M		
22.2	200x150x100mm deep	M		
22.3	150x150x100 mm deep	M		
	<b>MCCBs</b>			
23.00	Supplying fixing, testing & commissioning of following rating, 4Pole, 415 V, MCCB), in the existing MCCB DB/Panel complete with connections, testing and commissioning etc. as required.			
23.1	100 amps 16kA	No.s		
23.2	125 amps 16kA	No.s		

23.3	400 amps 35kA with Adjustable Ir trip	No.s		
	<b>(II) SOUND SYSTEM</b>			
	<b>Sound System</b>			
24.0	CMA 5400 CENTRAL AMPLIFIER	NO.		
25.0	CMC 5100 CHAIRMAN UNIT	NO.		
26.0	CMC 5200 DELEGATE UNIT	NO.		
27.0	SSA 250M P.A Amplifier	NO.		
28.0	ADP-30R DIGITAL PLAYER/ RECORDER	NO.		
29.0	CWM 400V PA VHF WIRELESS MICROPHONE	NO.		
30.0	AXS 312BT SPEAKER BOX	Nos		
31.0	STUDIO MASTER XR40HH CORDLESS MICROPHONE	Nos		
32.0	STUDIO MASTER XR40LL CORDLESS MICROPHONE	NO.		
33.0	INSTALLATION SYSTEM RAVE	Per Job		
34.0	FALCON CABLES	MTR		
35.0	INSTALLATION WITH ALL SUPPORT MATERIALS	Per Job		
	<b>(III) PROJECTOR</b>			
	<b>PROJECTOR</b>			
36	Supplying, fixing, testing & commissioning of EB-S41 SVGA projector. Brightness: 3300lm with HDMI Port, White and colour brightness at 3,300lm, SVGA Resolution. Power Supply Voltage: 100-240V AC +- 10%, 50/60Hz. High Contrast Ratio of 15,00:1. Horizontal Keystone slider. Upto 10,000 hours lamp life in eco-mod. It should also have a WIFI Connectivity & Screen Cast Technology of branded make( Epson/Panasonic/Igate/Benq) The cost includes thr projector, projector screen, HDMI Cable from projector to projector devices & all connectors & installation charges.	NOS		
	<b>UPS</b>			
37	Supply, installation, testing & commissioning of UPS in paralleling mode at 0.99 input power factor as per specification given in the document with following broad features.			
	THD(i) shall be less than 3% in the entire loading range.			

	Input power factor shall be more than 0.95. from 25% to 100% load.			
	UPS shall carry design output at 40 deg.			
	Shall have soft start and hold of for incoming supply.			
	Invertor capability to supply 150% load for 5 sec.			
	Single Phase Input and Single Phase Output. ( Input - 200V - 250V, Single Phase, Output - 220 Volt, Single Phase.			
	Shall not allow deep discharge of the battery and shall not go to 10.5 volts in case of 12 volt cells.			
	Battery shall be internal type suitable for 15 minute backup on 100% load.			
	UPS described as above			
i	For 1 KVA	<b>Each</b>		
ii	For 2 KVA	<b>Each</b>		
iii	For 5 KVA	<b>Each</b>		
iv	For 7.5 KVA	<b>Each</b>		
<b>LANDSCAPING &amp; HORTICULTURE WORK</b>				
1	Trenching in ordinary soil up to a depth of 30 cm including removal and stacking of serviceable materials and then disposing of surplus soil,by spreading and neatly levelling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with farm yard manure before and after flooding trench with water(excluding cost of imported earth,manure)			
	Lawn and Plantation area	Cum		
2	Rough Dressing the trenched ground including breaking clods	sqm		
3	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation	sqm		
4	Fine dressing of the ground	sqm		

5	Supplying and staking of garden soil/good earth at site including royalty and carriage upto 5 km lead complete(earth measured in stacks will be reduced by 20% for payment),trench to be filled with soil:FYM at 1:9 ,Reqt of good soil= $(0.3 \times 782.128) \times 0.9 = 283$ cum	cum		
6	Supplying and staking of Farm yard Manure(cowdung based) from approved source carriage upto 5 km lead complete(Manure measured in stacks will be reduced by 8% for payment),trench to be filled with soil&FYM in 1:9,reqt of FYM= $(0.6 \times 782.128) \times 0.1 = 31.4$ cum	cum		
7	Mixing earth and FYM in the required proportion specified or directed by Horticulture officer incharge	cum		
8	Spreading of Sieved FYM & good earth in required thickness as per direction of Horticulture officer-in-charge(cost of FYM,good earth to be paid separately	cum		
9	Plantation of Ornamental tree,palm,shrub and hedges at site including watering,removal of unservicable materials as per direction of HO incharge(excluding cost of plants&water)			
9.1	TAGAR	Each		
9.2	MINI TAGAR	Each		
9.3	SEASONAL	Each		
9.4	JASMIN	Each		
9.5	GOLDEN DURANTA	Each		
9.6	IXORA DWARF	Each		
	<b>PATH WAY</b>			
10	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	sqm		
<b>DISMANTLING WORKS</b>				

1	Dismantling Brick or Stone Masonry Under 3.00mtr. Height.	CUM		
2	Dismantling Brick or Stone Masonry Above 3.00mtr. Height.	CUM		
3	Dismantling Flat and Pantiled Roofing (Tiles only)	SQM		
4	Dismantling Reapers Under Tiled Roof.	SQM		
3	Dismantling and Removing 2.50cm thick A.S Flooring	SQM		
4	Removing old damaged Cement Plaster	SQM		
7	Dismantling Terraced Roof .	SQM		
8	Dismantling G.C.I or A.C Sheet Roof .	SQM		
9	Dismantling Wrought & Framed Timber in Roof Frame.	CUM		
5	Dismantling & Removing Doors ,Windows & Ventilators Including Frames,Hinges etc.	SQM		
6	Dismantling & Removing 2.50cm Thick grading Concrete from Roof.	SQM		
12	Removing old grading Plaster from Roof.	SQM		
13	Removing old Damage Tarfelt from Roof.	SQM		
14	Dismantling & Removing old Damage Cement Concrete.	SQM		
7	Dismantling & Removing old Damage R.C.C Column, Beam,Slab,Staircase,Landing, Lintel.	CUM		
8	Dismantling & Removing old Damage R.C.C Chajja,Shelves, Fins & Parapet etc.	SQM		
9	Dismantling & Removing old Damage Marble Chips Flooring	SQM		
10	Dismantling & Removing old Damage Marble Chips Dados & Skirting	SQM		
11	Dismantling & Removing old Damage Tiled Flooring	SQM		
12	Dismantling & Removing old Damage Tile Cladding from Wall.	SQM		
13	Dismantling & removing old damaged fixed grill / grill gate	SQM		
<b>SIGNAGES</b>				
1	Providing and fixing logo boards made of 3 mm acrylic base laser cut logo/ mono theme with manual workmanship of completing the logo .	sq.inch		

2	Providing and fixing logo boards on stainless steel 304 grade , 1 mm thick plate with etching and colour filled	sq.inch		
3	Providing and fixing logo boards on stainless steel 304 grade , 1 mm thick plate with digital printed vinyl or reflective.	sq.inch		
4	Providing and fixing QUOTES .. 3 mm acrylic base plate with 3 mm acrylic laser cut texts.	sq.inch		
5	Providing and fixing name plates or any utilities plate made on 3 mm acrylic with vinyl cut paste of any size.	sq.inch		
6	Providing and fixing name plates or administration plates made on 1mm thick stainless steel , matt / brush finish surface and text / name etched and colour filled. Supplied with hole for fixing or back side double sided self adhesive tabs as per the requirements.	sq.inch		
7	Providing and fixing name plates with acrylic base and text too on acrylic laser cut pasted as per requirements.	sq.inch		
8	Providing and fixing 3D Letters for building Names of Stainless Steel 1” emboss Size of letters in between 6 to 12 inches height. In Hindi lipi one matra will count as half letter.	sq.inch		
9	Providing and fixing 3D Letters for building Names of Titanium GOLD or Rose Gold 1” emboss Size of letters in between 6 to 12 inches height. In Hindi lipi one matra will count as half letter.	sq.inch		
<b>HVAC WORK</b>				
1	Indoor & outdoor units complete with cooling coil & Condenser coil, electrical control box, inspection inlet for easy access to the unit, capable to operate at power source 1 Phase/ 3 Phase, 220-240V/380-415V, 50Hz , accessories as required for smooth operation of the system of the following capacities. Make- CARRIER			
1.1	8.5 Tr High Static Duct	Nos.		
1.2	11 Tr High Static Duct	Nos.		
1.3	17 Tr High Static Duct	No.		
1.4	1 Ton Toshiba Split	Nos.		

2	Installation & Commissioning of Ductable units.			
2.1	Carrier Make 8.5TR Condensing unit	Nos.		
2.2	Carrier Make 11.0TR Condensing unit	Nos.		
2.3	Carrier Make 17.0TR Condensing unit	No.		
3	Copper Refrigerant Piping with 9 mm thick Nitrile Rubber insulation.			
	For Ductable Split AC	Rmt.		
4	<b>Unarmoured PVC Copper cable between Indoor and Outdoor units.</b>			
	For Ductable Split AC	Rmt.		
5	Base Frame for ODU			
	Supply, Fabrication & Installation of base frame for outdoor Units.	Nos.		
6	GSS DUCTING.			
6.1	24 SWG	Sqmt		
6.2	22 SWG	Sqmt		
7	Thermal insulation with 25 mm thick Aluminum Foil faced Glass Wool.	Sqmt		
8	Acoustic insulation with 12.5 mm thick Rigid Board covered with 36G perforated Aluminum sheet.	Sqmt		
9	Flexible canvas connection for Ductable Split AC	Nos.		
10	Grills/Diffusers			
10.1	Aluminium Square grills with VCD	Sqmt		
10.2	Volume control Damper VCD	Sqmt		
11	Drain Piping			
	Insulated drain water piping from indoor to nearest drain point for separate unit.	Rmt.		
12	Supply, Installation, Testing & Commissioning of Split Air Conditioners as per required room size.			
	1.5 Ton	Each		
	2.0 Ton	Each		

### FIRE FIGHTING & FIRE DETECTION SYSTEM

1	<p align="center"><b>Supply,Installation, testing and commissioning of Electrical motor driven Centrifugal pump set for fire fighting Hydrant &amp; Sprinkler system consisting of the following :make-wilo,kirloskar/lubi/equivalent as per direction of E.I.C</b></p>	Set		
	<p>a) Horizontal <b>Centrifugalsingle stage pump</b>. End suction, top discharge with all accessories <b>capacity 2280 lpm at 70 m head</b> with CI casing, standard fitting, CS diffusers, bronze impeller (dynamically balanced) and SS (304) Shaft with mechanical seal. The installation shall be complete with flexible coupling and coupling guard, 150 mm dial pressure gauge of 0-16 kg/cm<sup>2</sup> range with gun metal shut off cock on delivery side as required. (The pump should be tested for bench mark at factory and test certificate shall be submitted). make-wilo,kirloskar/lubi/equivalent make as per direction of E.I.C</p>			
	<p>Pump shall be capable of furnishing not less than 150% of rated capacity at a head of not less than 65% of the rated head. The shut off head shall not exceed 120% of rated head.</p>			
	<p>b) Squirrel cage induction motor, TEFC type suitable for operation on 415 volts, <math>\pm 10\%</math>, 3 phase 50 HZ <math>\pm 3\%</math>. A.C supply, for the above pump with speed of (synchronous speed 2900 rpm), conforming to IP 55 protection &amp; class-F insulation. The motor shall conform to IS 325-1978 with flexible coupling and coupling guard, complete as required.</p>			
	<p>c) Common base plate for (a) and (b) made of M.S. Channel of required size.</p>			
	<p>e) Cost of all the items accessories tools and tackles packing etc. required to put pumping system into service.</p>			

2	<p><b>Supply, Installation, testing and commissioning of Diesel driven Centrifugal STAND BY PUMP SET for fire fighting Hydrant &amp; Sprinkler system consisting of the following :make-wilo,kirloskar/lubi/equivalent make as per direction of E.I.C</b></p>	Set		
	<p>Supply, installation, testing and commissioning of <b>Diesel Engine driven</b> fire pump suitable for automatic operation comprising of the following and conforming to BS 649/IS 10002 all amended upto date.</p>			
	<p><b>Horizontal, cetrifugal end suction top discharge single stage pump set.</b> The installation shall be complete with flexible coupling and coupling guard as required. Fire pump shall have C.I. casing, CS diffusers, bronze impeller (hard finished and dynamically balanced) and SS (304) shaft with mechanical seal, capable for delivering <b>2080 Imp at head of 70 mts</b> to ensure a minimum pressure of 3.5 Kg/Sqcm at the farthest or topmost hydrant / sprinkler. The installation shall be complete with necessary pressure gauge with gun metal shut off cock on delivery side (The pump should be tested for bench mark at factory and shall be gotten approved by the Local fire Authority).</p>			
	<p>Pump shall be capable of furnishing not less than 150% of rated capacity at a head of not less than 65% of the rated head. The shut off head shall not exceed 120% of rated head.</p>			

	Radiator cooled (secondary cooling) diesel engine of speed <b>1500 RPM</b> suitable for the above pump with automatic starting mechanism and other accessories including fuel tank (fabricated from 3mm MS sheet, painted with two coats of synthetic enamel paint over a coat of primer) of capacity adequate to sustain pump operation for 8 hours continuous working. The tank shall be fitted with Magnetic oil level indicator, MH with cover, drain valve, air vent including structural supports (painted with approved shade), 2 Nos. x 12 volt battery, heat exchanger with necessary piping connections & fittings, flexible coupling, coupling guard & exhaust pipe connection complete as required.			
	Common base plate for (a) and (b) from M.S. channel of required size.			
	Suitable cement concrete foundation with plaster, (design and drawing to be provided by the Agency while the foundation will be done by others) complete with antivibration arrangement of cushy foot mountings.			
3	<b>Supply, Installation, testing and commissioning of horizontal single stage Jockey pump of capacity 180 lpm at 88 m head for fire fighting system comprising of the following::make-wilo,kirloskar/lubi/equivalent as per direction of E.I.C</b>	Set		
	a) Single stage horizontal end suction & top discharge Jockey pump, suitable for operation on 415 volts $\pm$ 10%, 3 phase, 50 HZ $\pm$ 3% A.C supply. The installation shall be complete with Flexible coupling and coupling guard, complete as required.			

	<p>The pump casing shall be CI, shaft shall be SS &amp; impeller/ shaft sleeve/casing wearing ring shall be bronze. The pump shall be provided with mechanical seal. The system shall be complete with 150 mm dial pressure gauge of 0-16 Kg/m<sup>2</sup> range with gun metal shut off cock on delivery side, as required. (The pump should be tested for bench mark at factory and test certificate shall be submitted).</p>			
	<p><b>b)</b> Squirrel cage induction motor, TEFC type suitable for operation on 415 volts, <math>\pm 10\%</math>, 3 phase 50 HZ <math>\pm 3\%</math>. A.C supply, for the above pump with speed of 2900 rpm (synchronous speed 3000 rpm), conforming to IP 55 protection &amp; class-F insulation. The motor shall conform to IS 325-1978 with flexible coupling and coupling guard, complete as required.</p>			
	<p><b>c)</b> Common base plate for (a) and (b) from M.S. channel of required size.</p>			
	<p><b>d)</b> Cost of all the items accessories tools and tackles packing etc. required to put pumping system into service.</p>			
	<p><b>For pump defined above &amp; of duty as follows :</b></p>			
	<p><b>Flow : 180 lpm</b></p>			
	<p><b>Head : 70 mts</b></p>			

4	<p><b>Supply, Fabricating, fixing, testing and commissioning of air cushion tank</b> (material IS 2062/2002) with SS air-release valve of approved quality with S.S isolation valve, GM drain valve, gate valve, provision for pressure switches, pressure gauge etc. inside the pump house including making inlet and outlet connection with MS pipe of required length from discharge header to air cushion tank, fixing properly and securing the same to the base etc. complete in all respect having painting including two coats of approved paint over a coat of primer. The tank shall be fabricated out of 8mm thick MS sheet shall be of cylindrical shape with 300mm dia and 1.5m height. The tank shall be installed on suitable vertical legs having M.S. plate of size 75mm x 75mm x 5mm at the bottom. The legs shall be grouted in Cement concrete foundation. Flange connection shall be provided for connection with discharge header. The tank shall be tested at 25 kg/sq.cm before installation.</p>	Set		
5	<p><b>Supply, Providing &amp; fixing</b> 150 mm dial type <b>Pressure gauge</b> of (0-16kg/cm<sup>2</sup>) range with gun metal shut off cock etc. duly calibrated before installation in MKS and FPS units and fixing the same where required as directed including all fittings, short piece, nipples, elbows testing the joints etc. all complete. (Quantity of this item will be payable only where it has not been included in the relevant composite items).</p>	Each		

6	<p><b>Supply,Providing &amp; fixing Pressure Switch</b> the most commonly used fluid control components of Aluminum enclouser with storage temprature 40 to 180°F (-40 to 82°C) along with ambient temprature 0 to 160°F (-18 to 71°C),set point shifts less than 1% of range for a 50°F (28°C) ambient temperature change. Unit will operate down to -40°F (-40°C) but with reduced repeatability. Maximum media temperature 200°F (93°C), Shock Set point repeats after 50 G, 10 millisecond duration. Switch output One SPDT including seven electrical terminations; Refer to 'How to Order' and vibration set point repeats after 10 G, 5-500 CPS.</p>	Each		
7	<p>Providing and fixing CI double flanges suction strainer (PN 1.0) “Y” type including, nuts, bolts and 3mm thick rubber insertion complete. (Suction Side)<b>Kartar/Zoloto/H Sarker/equivalent as per direction of E.I.C</b></p>			
	200mm dia	Nos		
8	<p>Providing and fixing butterfly valves, wafer end type class PN 1.6 as per IS: 13095-1991 or BS: 5155, including necessary nuts, bolts, gaskets etc. complete (without gear box) (Discharge Side)Audco, KSB, C &amp; R, Zoloto, L&amp;T.,DRP equivalent as per direction of E.I.C</p>			
	a) 150mm dia	Nos		
	b) 100mm dia	Nos		
9	<p>Providing &amp; Fixing of CI gate Valve as per IS : 14846 (PN 1.6 Rating for suction side of the pumps ) and rising sprindle type with falnges , bolts , nuts , washers , gaskets etc. Kartar/Zoloto/H Sarker equivalent as per direction of E.I.C</p>			
	a) 200 mm dia	Nos		
	b) 150 mm dia	Nos		
	c) 100 mm diA	Nos		
	d) 80 mm dia	Nos		

10	Supply, installation, testing and commissioning of UL/approved Cast Iron Non-Return Valves including making flanged joints by providing necessary nuts, bolts, gaskets etc. (Discharge Side) ( <b>Make-Kartar/Zoloto/H Sarker/equivalent as per direction of E.I.C</b> )			
	Providing, fixing, testing & commissioning of C.I. dual plated non-return valve [PN 1.6 Rating (16kg/cm <sup>2</sup> ) complete 2 nos. matching flanges, rubber insertion, with nuts, bolts and washers etc of following sizes .			
	a)80 mm dia	Nos		
	b)150 mm dia	Nos		
11	Providing and fixing exhaust, Diesel engine driven pump <b>exhaust M. S. pipe</b> class 'B' of suitable dia (150mm dia) for the engine including fitting like flanges, bends, reducers, etc. The pipe shall be provided with 12 mm thick supercera ceramic fibre rope, 21 gauge, necessary excavation, fixing of silencer connections at engine exhaust, necessary supports, back filling, cutting and making good, bird proof and weather proof flap complete in all respect as directed.Make-Tata,Jindal or equivalent as per direction of E.I.C			
	150 mm dia	RM		
12	Providing & fixing double flanged flexicon rubber expansion (bellows) joint with unit control of standard length as per manufacturers specifications suitable for working pressure of 15Kg/Sqcm including rubber gaskets, flanges, nuts, bolts and washers complete as required for suction and delivery of pumps.			
	a) 150 NB	No		
	b) 80 NB	No		
13	Providing and installation of GM Ball Valve, IS-318 LTB-2 SS Stem AISI 410, Ball SS 304/CF8, teflon gland packing, screwed female threads to IS-554,			
	a) 25 NB	No		

14	Supply, installation, testing and commissioning of Fire Brigade inlet connection with provision for Four male instantaneous coupling fabricated out of 150 mm dia. approved make heavy class MS pipe with non-return valve, Butterfly valve for fire fighting system including making connection by providing necessary piping & fittings to the fire storage tank, fire fighting wet riser, sprinkler system painting the same with 3 coats of enamel paint over a coat of Zinc Chromate primer all complete as per drawings, specifications. <b>Minimax, Safex, Fireshield, Safe Guard equivalent as per direction of E.I.C</b>			
	a) Four way	Nos		
15	Gun-metal Fire brigade suction hose coupling (Draw-out Connection) with nut for female coupling as per IS:902-1974 complete with 150 mm dia. MS suction pipe and 100 mm dia. 1 No. CI foot valve flanged (to be connected to static water tank). (Make-equivalent as per direction of E.I.C	Nos		
16	Providing & Fixing of C.I. Foot Valve of following sizes and complete in all respect with all labour, tools & plants, transportation, taxes, levies etc. and as per specification, drawing and direction of Engineer-in-charge.			
	150mm NB	No.		
17	<b>L.T.Cables</b>			
	Supply, installation, testing and commissioning of following sizes of PVC sheathed XLPE insulated Aluminium Copper conductor/ power/control armoured cables of 1100V grade on surface of wall or in existing cable trays with fixing hardware etc. as required.			
	Aluminium Conductor armoured cables:			
	3.5 x 90 Sq mm	RM		
	3.5 x 70 Sq mm	RM		
	3.5 C x 6 Sq.mm	RM		
	4 C x 4 Sq.mm	RM		
	4 C x 2.5 Sq.mm	RM		
18	<b>Cable Termination :</b>			

	Supply & making end termination with brass Double compression glands for the following XLPE insulated PVC sheathed 1100 V grade cable including cost of crimping lugs/ ferrules, compression glands, solder, cable sockets, insulation tape etc. complete as required.			
	Suitable for aluminium conductor armoured cables:			
	3.5 x 120 Sq mm	Set		
	3.5 x 70Sq mm	Set		
	3.5 C x 6 Sq.mm	Set		
	3.5 C x 4 Sq.mm	Set		
	3.5 C x 2.5 Sq.mm	Set		
<b>19</b>	<b>EARTHING</b>			
	Supply, installation, testing & commissioning of following size G.I. Strip/G.I. wire clamped to existing cable tray, wall for system/equipment earthing complete as required including interconnection etc.			
	25mm G.I Strip	RM		
	8 SWG . G.I wire	RM		
<b>20</b>	Supply, installation, testing and commissioning of courtyard SS metal single headed hydrant valve as per IS: 5290 consisting of 63NB. single outlet flanged oblique type hydrants valve with instantaneous female plunger type coupling, chained blank cap including making flanged joints by providing necessary nuts, bolts, gaskets all complete as per specifications suitable for 80 NB stand post. (as required External): <b>Minimax, Safex, Fireshield, Safe Guard</b>	Nos		
<b>21</b>	Providing and placing in proper position Non-percolating flexible hose (RRL type-'A') ISI marked (IS:636) 63 mm dia x 15 M long complete with instantaneous type gunmetal 63 mm dia. IS marked male and female couplings (IS:903) bound and riveted to hose pipe with copper rivets and 1.5 mm copper wire. <b>Minimax, Safex, Fireshield, Safe Guard</b>	Nos		

22	Providing and placing in proper position SS 63mm dia short size branch pipes with 20 mm dia nozzles with 63mm instantaneous coupling ISI marked (IS: 903). <b>Minimax, Safex, Fireshield, Safe Guard</b>	Nos		
23	Weather proof hose cabinets for external yard hydrant fabricated from 16 g MS sheet with full glass door and locking arrangement, suitable to accommodate one hydrant valve, 2 nos.15m long hose, 1 No branch pipe. The cabinet shall be painted with one coat of primer and finished stove enamelled "Fire Red", "Fire Hose" written on front including suitably mounted on a raised masonry platform as required. (Approx 0.6mx0.6 mx 0.45 m).	Nos		
24	Providing and fixing standard fireman's axe with heavy insulated rubber handle complete.	Each		
25	Providing and fixing first aid fire <b>hose reel equipment</b> confirming to IS : 884-1969 with upto date amendments finished with post office red spray paint and complete with following as required :			
	20mm dia 30metres long hose tubing of approved make confirming to IS : 5132-1969 with upto date amendments.			
	Swinging type hose guide fixing bracket assembly			
	6mm outlet gunmetal nozzle with shut off valve as required	Each		
26	Providing and fixing butterfly valves, wafer end type class PN 1.6 as per IS: 13095-1991 or BS: 5155, including necessary nuts, bolts, gaskets etc. complete (without gear box) (Discharge Side)Audco, KSB, C & R, Zoloto, L&T.,DRP			
	150 mm dia	Nos		
	80 mm dia	Nos		
	<b>INTERNAL SPRINKLER &amp; PIPING WITH ACCESSORIES</b>			

27	<p><b>Supply,Providing, fixing, jointing and testing</b> in position for sprinkler system following medium class <b>MS pipes</b> conforming to <b>IS:1239</b> cut to required lengths including all necessary fittings (All fittings shall confirm to <b>IS:1879</b> (part 1 to 10) and specials such as bends, tees, unions, Reducers, flanges &amp; plugs etc.fixing at wall / ceiling level supported by clamps, hangers (using anchor fastners) etc, as per specification. Threading, jointing, and making proper connections, cutting hole in wall / floor / slab and making good the same. GI pipe sleeves suitable higher size shall be provided wherever the pipes are crossing the fire rated walls / floors slab and sealing the sleeves with glass wool in between and fire sealant compound at either end all as per Consultant / Employers' requirement. All hangers, clamps, brackets etc. shall be of galvanized iron unless specified otherwise and the supply of the same shall also be included in rates under this head. <b>(NOTE: FITTINGS UP TO 50 MM SHALL BE HEAVY DUTY MS FORGED SOCKET WELDED &amp; 65 MM AND ABOVE SHALL BE HEAVY DUTY BUT WELDED)</b>Tata/Zindal/Sail/Eq make</p>			
	<p><i>(Note:-The quoted rates of the Agency shall also include the cost of Fire sealant as required. Welding of any kind on the galvanised support / hanger shall not be permitted. )</i></p>			
	a) 25 mm dia	Metre		
	b) 32 mm dia	Metre		
	c) 40 mm dia	Metre		
	d) 50 mm dia	Metre		
	e) 65 mm dia	Metre		
	f) 80 mm dia	Metre		
	g) 100 mm dia	Metre		
	h) 150 mm dia	Metre		
	i) 200 mm dia	Metre		

28	<b>Supply,Providing and fixing</b> electrically operated water <b>flow switches</b> (Vane type) including tamper switch and accessories, complete with tap off socket arrangement as required, with 2 Nos. NO/ NC potential free contact.			
	a) 150 mm dia	Each		
29	Supply, Installation, testing & commissioning of quartzoid bulb quick response type sprinklers K-115, of rating 68 degree C pendent with accessories as required . Tyco, Viking,HD,(UL listed / FM approved )			
	<b>a) i) Pendent type (68 deg.C) sprinkler, K - 115 quick response type</b>	Each		
	<b>b) Side wall Sprinkler</b>	Each		
30	Providing and fixing <b>SS flexible sprinkler drop unbraided 20 mm NB</b> UL listed having a working pressure of 12 kg/sq.cm complete with GI nipple, sprinkler fixing adaptor and fixing clamps complete as per Manufacturer's catalogue and decorative 65 mm dia CP brass/SS flange for fixing sprinkler below false ceiling			
	20mm25MM x 800 /1000 mm long	Nos		
31	Air release valve complete with 25 mm dia. brass air valve (ball valve, pressure gauge type), 25 mm dia brass stop cock, nipple, tees, B46 elbow, pipe and all accessories as required including fixing brackets.	Nos		
32	Supply, Installation, testing & commissioning of Installation control (Alarm) valve of cast iron body and brass/ bronze working parts comprising of water motor alarm, bronze seat clapper, and clapper arm, hydraulically driven mechanical gong bell to sound continuous alarm when the wet riser sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass, test control box ball valves, MS pipe of reqd. size, flanges, orifice plate, gasket etc. of <b>size 150 mm</b> dia as reqd.	Nos		
	<b>INTERNAL HYDRANT PIPING</b>			

33	<p><b>Supply, Providing, fixing, jointing and testing</b> in position for INTERNAL HYDRANT system following medium class <b>MS pipes</b> conforming to <b>IS:1239</b> cut to required lengths including all necessary fittings (All fittings shall confirm to <b>IS:1879</b> (part 1 to 10) and specials such as bends, tees, unions, Reducers, flanges &amp; plugs etc. fixing at wall / ceiling level supported by clamps, hangers (using anchor fastners) etc, as per specification. Threading, jointing, and making proper connections, cutting hole in wall / floor / slab and making good the same. GI pipe sleeves suitable higher size shall be provided wherever the pipes are crossing the fire rated walls / floors slab and sealing the sleeves with glass wool in between and fire sealent compound at either end all as per Consultant / Employers' requirement. All hangers, clamps, brackets etc. shall be of galvanized iron unless specified otherwise and the supply of the same shall also be included in rates under this head. <b>(NOTE: FITTINGS UP TO 50 MM SHALL BE HEAVY DUTY MS FORGED SOCKET WELDED &amp; 65 MM AND ABOVE SHALL BE HEAVY DUTY BUT WELDED)</b></p>			
	150 mm dia			
	80 mm dia			
	25 mm dia			
	<b>FIRE EXTINGUISHERS &amp; SIGNAGES</b>			
34	<p>Providing &amp; fixing Water based Carbon-di-oxide 9 ltrs. fire extinguishers as per IS specification consisting of welded MS cylindrical body ,squeeze lever discharge valve fitted with internal discharge tube ,30 cm long high pressure discharge hose ,discharge nozzle,suspension brackets,finished exteranally with red enemel paint and fixed to wall with brackets with rawl plug/dash fastners complete with initial charging. Minimax, Safex, Fireshield, Safe Guard</p>	Nos		

<b>35</b>	Providing & fixing <b>ABC type (Dry powder type ) extinguishers.</b> Including all accessories as per IS specification (IS :15683) Consisting of welded MS cylindrical body with discharge hose ,discharge valve ,suspension brackets,initial filling etc. complete as required., initial filling etc complete as required. Capacity - 6 kg	Nos		
<b>36</b>	MECHANICAL FOAM type extinguishers 9 ltrs capacity as per IS specifications. For fire & plumbing pump room	Nos		
<b>37</b>	Trolley mounted co2 22.5 ltrs FOR DG ROOM, TRANSFORMER ROOM OR PUMP ROOM	Nos		
<b>38</b>	Trolley mounted mech foam 50 ltrs FOR DG ROOM, TRANSFORMER ROOM OR PUMP ROOM	Nos		
	<b>SIGNAGES</b>			
<b>39</b>	Supply and installation in position the "FIRE EXIT" Sign with luminicent colour having size 400 x 200 mm	Nos		
<b>40</b>	Supply and fixing in position the signages " FIRE ORDER" contain the following matter on 3 mm thick "Opaque" PVC foam board of computerised cut, PVC non-reflective self adhesive vinyle painted foam board of size 1200 x 1000 mm.	Nos		
	<b>Intelligent Addressable Fire Alarm System</b>			

41	<p>Supply, installation, testing and commissioning of Microprocessor based intelligent and electronically addressable, modular, expandable networkable, <b>4 loops</b> ( Expendable upto 8 loops ) (each loop consist of preferably a maximum of 127 detectors &amp; 127 devices) fire alarm control panel with minimum 640 character LCD display, multiple access levels, event history file in non-volatile memory (EEPROM). The panel shall have interfacing with a voice command center. The panel shall support programmable relay for controlling lifts, staircase pressurizations fans, lift shaft pressurization fans, ventilation fans monitoring of fire sprinkler and fire hydrant pump controlled by powerful Boolean logic equation. The panel shall have minimum five independent hazard release circuit built-in the panel. The panel shall have 240 volts AC power supply, automatic battery charger, 24 volts, sealed lead acid maintenance free batteries sufficient for 60 minutes backup .Panel shall be provided with all accessories and equipment (Siemens, Honeywell, Simplex, Bosch)</p>	No's		
42	<p>Supply, installation, testing &amp; comissioning of Short circuit isolator(GST, Honeywell, Gamewell)</p>	No's		
43	<p>Supply, installation, testing &amp; comissioning of <b>Intelligent Smoke Detector</b>, Drift Compensation, Sensitivity Adjustment, 8Bit Processor, Dual LED for 360 viewing angle, white color, Electronically Addressed, LPCB, CE &amp; UL Approved(GST, Honeywell, Schrack-make)</p>	No's		
44	<p>Supply, installation, testing &amp; comissioning of Common <b>Detector Base</b> for Addressable &amp; Conventional Detectors (Certificated by LPCB)(Siemens, Honeywell, Simplex, Bosch)</p>	No's		

45	Supply Installation Testing and Commissioning of Intelligent <b>Addressable Manual Break Glass Unit</b> complete with backbox and address switch as required. It should be UL Listed 9th Edition (Make: Notifier / Gamewell / Esser)	No's		
46	Supply Installation Testing and Commissioning of <b>Addressable Notification Appliances - Hooter with Strobe</b> UL listed (9th Edition) Hooter cum Strobe Lights.The strobes shall be synchronized for better evacuation. Three field selectable candela settings: 15, 75, and 115. Easy to use rotary dials for selection of candela and horn settings.Built in synchronization feature keeps strobes in sync for up to 30 minutes,Strobes Listed to UL / EN 1638; Horns Listed to UL 464,Horn settings on the horn strobe model include high and low volume, continuous or temporal 3 toneRound trim ring available for ceiling mount applications at 85 db (Make: Notifier / Gamewell / Esser)	No's		
47	Supply Installation, Testing & Commissioning of Addressable Notification Appliances - <b>Strobe</b>	No's		
48	Supply , Installation , Testing and commissioning of Intelligent <b>Addressable Control Module</b> with built-in type auto identification of devices to the control panel ,Internal circuitry and relay powered directly by two-wire SLC loop, Integral LED “blinks” green each time a communication is received from the control panel and turns on in steady red when activated & LED blink may be deselected globally (affects all devices) and High noise immunity (EMF/RFI). (Make: Notifier / Gamewell / Esser)	No's		

49	Supply Installation, Testing & Commissioning of Monitor Module <b>Intelligent Addressable Monitor Module</b> with the following features - Built-in type identification automatically identifies this device as a monitor module to the control panel. Powered directly by two-wire SLC loop. No additional power required. High noise (EMF/RFI) immunity. SEMS screws with clamping plates for ease of wiring. Direct-dial entry of address LED flashes green during normal operation (this is a programmable option) and latches on steady red to indicate alarm. (Make: Notifier / Gamewell / Esser)	No's		
50	Supply Installation, Testing & Commissioning of <b>6W Multi-Tap Speaker</b> This speaker with high sound pressure level of 95 db and a wide frequency 150 hz-40 Khz (-3db) frequency range 120hz-16 khz -(10db) response and low distortion for high sound level suitable for speech and music reproduction. Rated Power / Max Power: 2W / 3W / 6W	No's		
51	Supply, installation, testing & commissioning of 4 <b>Zone master Fire telephone panel</b> (Make-Siemens, Honeywell, Simplex, Bosch)	No's		
52	Supply, installation, testing & commissioning of <b>Fire Fighters Telephone Receiver</b> (GST, Honeywell, Schrack-make)	No's		
53	Supply, installation, testing & commissioning of Supply and laying of <b>2 Core 1.5 sq.mm.</b> copper armoured cable (approximate) (Finolex/Havells/polycab-make)	Mtr's		

54	Supply , Installation, testing , commissioning of 500 watt booster amplifier, FREQUENCY RESPONSE 50Hz - 15kHz ( $\pm$ 3dB) into 100V, INPUT CONNECTIONS Transformer Balanced input with male and female XLR input/output sockets, POWER OUTPUT 500 Watts RMS into 100 & 70 Volt line or 4 Ohms, OUTPUTS 100 & 70 Volts or 4 Ohm speaker outputs via a rear panel barrier strip. Line out to feed additional power amplifiers available from 1 of the paralleled XLR inputs, CONTROLS Front Panel Power Switch, Recessed front panel input attenuator, PROTECTION Internal Cooling Fan with temperature sensor, INDICATOR Amplifier Status Display Window including: Power On LED; 10 segment LED output meter; Mains fail LED; High temp trip LED, SIGNAL TO NOISE RATIO -82dB, INPUT SENSITIVITY Max 300mV (set @ 1V), INPUT IMPEDANCE 10 kOhm, THD Less than 0.5% @ 1kHz; Distortion at Max Power: 0.7%, DIMENSIONS (HxWxD) mm 88 x 483 x 410, POWER SOURCE AC: 240V - 50Hz or 110V - 60Hz 3 pin IEC connector; DC: 24V with built in trickle charge circuit: 300ma maximum trickle charge 30 Amp maximum current draw on DC 300ma standby (idle) current draw on DC, POWER CONSUMPTION 800 Watts (maximum).(Sonodyne / Bosch / odionix-make)	No's		
55	Supply , Installation, testing , commissioning of Voice Alarm Controller complete with all accessories(Sonodyne / Bosch / odionix-make)	No's		
56	Supplying, installing and jointing of 25 mm dia MS conduits on surface or concealed complete with MS junction boxes, cover plates, MS bends, GI saddles, base and other accessories all made in MS with GI screws as required to complete the job. Exposed conduiting shall be painted with red enamel paint for identification.	Mtrs		
<b>WALL PANNELLING/PARTITION/FALSE CEILING WORK</b>				

1	Providing fitting fixing wooden panelling to walls, wherever necessary panelling will be done with 12mm & 19mm termite proof BWP ply (confirming to I.S 710) wherever required to be provided and finished with 1mm thick laminate of approved shade and colour as per the drawing. The rate includes cost of cut-outs, fixation, other accessories, labour T&P etc complete. Plywood Should be of Century/greenply/austin brand with 15/20 years guarantee on plywood.	Sqm		
2	Providing fitting fixing wooden panelling to tables wherever necessary panelling will be done with 12mm & 19mm termite proof BWP ply (confirming to I.S 710) wherever required to be provided and finished with 1mm thick laminate of approved shade and colour as per the drawing. The rate includes cost of cut-outs, fixation, other accessories, labour T&P etc complete. Plywood Should be of Century/greenply/austin brand with 15/20 years guarantee on plywood.	Sqm		
3	Providing fitting fixing wardrobes, wherever necessary panelling will be done with 12mm & 19mm termite proof BWP ply (confirming to I.S 710) wherever required to be provided and finished with 1mm or 1.25mm thick laminate/Veneer as per design of approved shade and colour as per the drawing. The rate includes cost of cut-outs, fixation, other accessories, labour T&P etc complete.	Sqm		
4	Providing & Fixing of HALF Height Ply wood Partition ,wherever necessary .Pannelling will be done with 12mm & 19mm termite proof BWP Ply(Confirming to IS 710)wherever required to be provided and finished with 1mm thick laminate & 0.8mm Transparent Glass with framing of approved shade and colour as per drawing .The rate includes cost of cut-outs,fixations & other accessories ,labour T&P etc complete	Sqm		

5	Providing and fixing FULL HEIGHT 70mm thick partition which includes 8mm MR commercial Plywood both side screw fixed with drywall screw of 25mm at 300mm centres to either side of 48mm studs (0.5mm thick having one flange of 34mm and another flange of 36mm made of G. I. Steel) placed at 610mm centres in 50mm floor and ceiling channel (0.5mm thick having equal flanges of 32mm made of G. I. Steel) with joints staggered to avoid through joints.A fixing channel of 99mm width (0.9mm thick having two flanges of 9.5mm each) has to be provided at the horizontal 600 mm C/C Finally partition is finished with 1mm laminate on both side.All exposed wooden members to be finished in Melamine polish, in approved shade and pattern to be match with partition or as as per instruction	Sqm		
6	Same as above but finished both side with 4 mm teak veneer duly melamine polished complete .	Sqm		
7	Same as above but finished on one side with 4 mm teak veneer duly melamine polished & one side 1mm Laminate complete .	Sqm		
8	Providing and fixing frameless glass partition with 12mm toughened glass frosted/etched with necessary patch fittings(Dorma) of approved make and as per the directions of the architect.	Sqm		
9	Vertical Garden Partition Made up Of Pine wood 25 X 50 mm thick batten structures Seasoned Pine wood rafters finsihed in precison sizes to be fixed on floor and ceiling battens Surface to be treated with Clear Melamine Polish Including Artificial Hanging planters Complete.	Sqm		

10	Providing and fixing paneling on wall, on <b>G.I hat furring channel 22-25</b> depth with grid size 600mmx 600mm both ways fixed to wall, columns in any profile and covered with 8mm. plywood of approved make and finished with 4mm veneer duly polished as approved on exposed faces with grooves as per design.The rates shall include all hardware, fittings, adhesives, beadings, lippings etc. as directed by the architect.	Sqm		
11	Providing and fixing paneling on wall, on G.I hat furring channel 22-25 depth with grid size 600mmx 600mm both ways fixed to wall, columns in any profile and covered with 8mm. plywood of approved make and finished with 1 mm Laminate as approved on exposed faces with grooves as per design.The rates shall include all hardware, fittings, adhesives, beadings, lippings etc. as directed by the architect	Sqm		
12	Providing and fixing soft board panels on walls/ partition / panelling in the area indicated in the drawings. 12mm thk. soft board with backing of 8 thk ply . Soft board panel shall be finished with approved fabric . All exposed wooden surfaces shall be finished with Melamine polish Rate shall include fixing the whole panel in the space earmarked for the same as per drawing and as per the direction of architect.	Sqm		

13	<p>Providing and fixing sound absorptive wall paneling in profile with G.I hat furring channel 22-25 depth with grid size 600x600mm on wooden section(Extra fixing of member as per requirement). Fixing the frame gap with 25mm/1500(32 kgs/cum) glass wool of TWIGA/approved. The entire wall panelling will be fixed and covered with Black Hessian jute cloth plain weave cloth with single warp and weft interwoven weighing not more than 576grms/sqm of approved make and to the satisfaction of architect. Providing and fixing 150mm x 12m rubber wood / veneer on 8 mm ply slats over a backing of G.I frame structure. Wood slats to be melamine matt polished. The gap between the slats to be 8 mm fixed to the satisfaction of the architect.</p>	sq.mt.		
	<p>Note: rate to include cutting and making provision for housing light fixtures, conduiting and electrical fixture as per the drawing and instructions by the architect.</p>			
15	<p>Providing and fixing sound absorptive wall paneling in profile on wall (the panel should be levelled) frame of G.I hat furring channel 22-25 depth as approved with grid size 600x600mm. The entire wall panelling will be fixed and covered with 20mm wood wool board of high quality and as approved by architect and finished with 350-400 GSM PILE WT carpet/fabric (color, shade, texture, make approved by architect) paste with approved adhesive. Note: The junction of the carpet should meet evenly with accurate workmanship and to the satisfaction of the architect. Rate to include cutting and making provision for housing light fixtures, conduiting and electrical fixture as per the drawing and instructions by the architect.</p>	Sq.m		

16	<p>Providing &amp; Fixing of Gyptech Acoustical wall paneling Groowood finish slats made out of HDMR Board, melamine laminated finish perforated wooden grooved slats [2mm Grooves@30mm Pitch] back line with black acoustical fleece tongue groove edge for a seamless look of Linear dimension size 128mm x 2440mm x 16mm thick having density 825 kgs/M3, Installed by using GI Strut system.The GI Strut system includes GI Cross Channel having thickness0.45mm, length 3600mm, depth 24mm and equal flanges 15mm is fastened vertically/ horizontally at every 600mm centers. Aluminum core cross channel having thickness 0.6mm,length 3000mm, web 15mm and 28mm, depth 24mm and flanges of 7mm with suitable edge and center brackets is then fixed perpendicular to the cross channel with the help of fasteners at every 400mm centers. The air cavity between the wall and panel should be filled with 48kgs/m3 density Rockwool fiber having thickness of 50mm for obtaining maximum acoustical value. Contractors to provide expansion joints of 3mm at every 5mts both ways.</p>	SQM		
17	<p>Providing and fixing sound absorptive wall paneling in profile with G.I hat furring channel 22-25 depth as approved with grid size 600x600mm on ply frame(Extra fixing of member as per requirement).Fixing the frame gap with25mm/1500(32 kgs/cum) glass wool of approved brand/specifications.The entire wall panelling will be fixed and covered with gypboard panel of India Gypsum/equivalent of approved selection having module size 595x595mm backed with a special non woven lining having NRC value 0.81-0.79 having weight 8.30-7.30kg/sqm, Light reflectance 75%-63%, Thermal conductivity 0.16W/mk with material fire performance class 1 as per BS476:PART7:1971.The panelling includes all the necessary fixtures, complete to the satisfaction of the architect.</p>	Sqm		

18	Providing and fixing paneling on wall, on G.I hat furring channel 22-25 depth with grid size 600mmx 600mm both ways fixed to wall, columns in any profile and covered with 12mm perforated gypsum of approved make and finished with paint approved on exposed faces with grooves as per design.The rates shall include all hardware, fittings, adhesives, beadings, lippings etc. as directed by the architect	Sqm		
19	<b>TECHNO PANELLING</b> - Providing and fixing paneling on wall, on G.I hat furring channel 22-25 depth with grid size 600mmx 600mm both ways fixed to wall, columns in any profile and covered with 12.5mm perforated gypboard of approved make and glass wool and finished with 10mm acoustical pet panels as approved on exposed faces with grooves as per design.The rates shall include all hardware, fittings, adhesives, beadings, lippings etc. as directed by the architect.	Sqm		
20	<b>TECHNO CUT WORK</b> -Providing and Installation of CNC cut shape acoustical polyester fiber panels of thickness 10 mm on wall with an option of colors as per the choice of the Architect/Engineer in charge. It shall be fixed on walls as per suitable arrangements and as suggested by the engineer in charge.	Sqm		
21	Providing and fixing <b>wall panelling</b> in profile with G.I hat furring channel 22-25 depth as approved in grid size 600mmx 600mm C/C verically and horizontally .Fixing on it the 8mm thick coloured SHERA/equivalent Planks of size 150mmx3000mm as approved and fixed on frame as per drawing/specifications and design with all the necessary fixture, complete to the satisfaction of architect.The rear side of the plank should be treated with one coat of primer as approved.Plz refer specification/detail drawings for details.	Sqm		

22	Décor Cutworks Acrylic 3mm glossy white Finished Material Precision cutting with CNC router machine	Sqm		
23	Décor Cutworks MDF Raw Cutworks finished with deco paint as per approved shade Precision cutting with CNC Plasma or Fiber Laser Cutter Machine	Sqm		
24	Décor Cutworks Mild Steel 2mm Raw enamel spary paint Precision cutting with CNC Plasma or Fiber Laser Cutter Machine	Sqm		
25	Décor Cutworks Acrylic backlic 3mm glossy white + 3mm translucent . Finished Material Precision cutting with CNC router machine	Sqm		
26	Providing and fixing luna dual shadow 26 mm thick by 140 mm width cladding fixed on 18 mm ply frame to tounge and groove with duly melamine polished.	Sqm		
27	Providing and installation of v grooved fiber cement board on wall planks design , siding to be fix by dry cladding on wall choice of the Architect/Engineer in charge.	Sqm		
28	Providing and fixing Ist ClassTeak wood/Rubeer wood skirting wherever required as per carved profile of size 75mm widex15mm thick duly melamine polished.Fixing details as per drawing and as directed by architect.	rmt		
29	Providing and fixing Ist ClassTeak wood/Rubber wood beading of size 25mmx15mm(max)or as per profile duly melamine polished complete as per details, drawings and as directed by architect.	rmt		
	<b>FALSE CEILING</b>			
30	Providing fitting fixing wooden laminated ceilling as per design,made out of 12mm & 19mm fire resistant & termite proof BWP ply (confirming to I.S 5509) wherever required to be provided and finished with 1mm thick laminate of approved shade and colour fixed to expose surface of the false ceilling and to be hanged from the roof at required height as per the drawing. The rate includes cost of cut-outs, fixation,other accessories, labour T&P etc complete but excluding M.S framing and M.S pillars..	Sqm		

31	Supplying fitting and fixing Gypsum Ceiling to roof including cost of all complete and finished.	Sqm		
32	<p>GRID CEILING - Providing and fixing 15mm thick of approved texture with required groove approved by architect false ceiling tiles of Armstrong/Saint Gobin India Gypsum of size 600x600mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel section ( galvanised @ 170 gms/sqm.) consisting of main T runner suitably spaced at joints to get required length and of size 24x38 mm made from .3mm thIck. sheet spaced at 1200mm c/c and cross T of 24x25 mm made of .3mm thIck. sheet 1200mm long spaced between main T ant 600mm c/c to form a grid of 1200x600 and a secondary T of length 600mm of size 24x25 made of .3mm thck. sheet to be interlocked at middle of the 1200x600mm panel to form a grid of 600x600mm and laying of 15mm thck. mineral fiber ceiling tiles of approved texture in the grid including where ever required cutting/making opening for services like difusers, A.C grills, light fixture, smoke dectoters etc.Main T runner to be suspended from ceiling using G.I slotted cleats fixed to the ceiling with 6mm dia. and 50mm long dash fasteners.</p>			

MINERAL FIBER BOARD - Providing and fixing at all levels acoustical false ceiling of fine fissured Armstrong make/ equivalent, 12 mm thick butt edge mineral fiber board conforming to IS:2095 including providing and fixing of framework made of special factory made sections power pressed from MS sheet and galvanized in accordance with coating 600 as per IS:277 and consisting of angle cleats of size 24 mm wide x 1.6 mm thick with flanges of 24 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastener 12.5 mm dia x 40 mm long with 6 mm dia bolts to the angle hangers of 25x25x5 mm MS angle or bar of required length and other end of angle hanger being fixed with nut and bolts to GI channels 24 mm x 38 mm x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5mm thick bottom wedge of 80 mm with tapered flange of 26 mm each having clips of 10.5 mm at 400 mm centre to centre shall be fixed in a direction perpendicular to the GI channel/ tee with connecting clips made out of 2.64 mm dia x 230 mm long GI wire at every junction including fixing the mineral fiber board with ceiling section and perimeter channels 0.5 mm thk 27 mm high having flange of 20 mm and 30 mm long. The perimeter of the ceiling fixed to wall/ partition with the help of rawl plugs at 400 mm centre to centre with a 25 mm long drive-all screw @ 230mm intervals including jointing and fixing to have flush finish of tapered and square edges of the mineral fiber board with recommended filler, paper taps, finisher and two coats of primer suitable for mineral fiber boards as per manufacturers specifications and also including the cost of making openings for light fittings, grills, diffusers, cutouts, made with frame of perimeter channels suitably fixed all complete as per drawing and specification and as directed by EIC.

	<p><b>Acoustic floats</b>  Size 1200mm , 900 Shape Hexagon , Circle , square Thickness 30mm  Made up of specail acoustic infill with the backing of 9mm thick techno acoustic Panels and perimeter trim NRC Up to 0.9 NRC as tested by ARAI</p>			
	<p><b>Acoustic Baffels</b>  Size 1200mm X 300 Shape reactangle Thickness 30mm  Made up of specail acoustic infill with the backing of 9mm thick techno acoustic Panels and perimeter trim NRC Up to 0.9 NRC as tested by ARAI</p>			
	<p>ACOUSTICAL PERFORATED CEILING - Providing &amp; Fixing of Gyptech make Perfona-G perforated Acoustical Suspended Ceiling System with 25mm thick square edge tiles of size 595x1195mm in white or black or any colour as approved by Engineer-in-charge, in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections consisting of main "T" runner with suitably spaced joints to get required length and of size 24x32 mm made from 0.30 mm thick (minimum) G.I. sheet, spaced at 1200 mm center to center and cross "T" of size 24x26 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 1200 mm center to center to form a grid of 1200x1200 mm and secondary cross "T" of length 1200 mm and size 24x26 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x1200 mm panel to form grids of 600x1200 mm and wall angle of size 24x24x0.35 mm and laying false ceiling tiles of approved Color in the grid. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.The tiles should have</p>			

	Humidity Resistance (RH) of 90%, NRC 0.90, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance UK Class 0 / Class 1 (BS 476 pt -6 and7) in module size of 600 x 1200 x 25mm , suitable for Green Building application, with Recycled content of 38 - 41%.			
32	Providing and fixing plain glass with edge polish of sizes 12mm thickness as per design, drawing, complete to the satisfaction of architect.	Sqm		
33	Providing and pasting of wall paper of approved make etc with all accessories, labour T&P etc complete.	Sqm		

**ANNEXURE 1 - MAKE OF MATERIALS**

<b>LIST OF APPROVED INTERIOR MATERIAL, AND MAKES OF ITEMS FOR WORK FOR RENOVATION / BUILDING WORKS</b>		
<b>Sl. No.</b>	<b>Description</b>	<b>Parameters</b>
1	BLOCK BOARDS, PLYWOOD & BWP PLY	DURO/CENTURY/ARCHIDPLY'/ GREEN PLY/GREEN PANEL/EVERST PLY
2	LAMINATED SHEETS	DURO/CENTURY/GREENLAM/ FORMICA/DECOLAM/SUNMIC A/DURAIN/AMULYA
3	VENEER 4MM. THICK	DURIAN/MARINO/FORMICA/VENT URE/CENTURY / BHUTAN TUFF/ DURIAN/ARCHID/GREEN PLY
4	HIGH PRESSURE LAMINATE PANELS	AIROXTERIOR, GREEN LAM, CENTURY PLY/ROYAL TOUCH/
5	COREAN FINISHING SHEETS	LOTTE-SAMSUNG /ZARE/ DU PONT / MERINO
6	FLUSH DOORS (ISI MARKS)	CENTURY/ ARCHID/ EVERGREEN/ DURO/ INTERWOOD/GREENLAM/EVERSTPLY
7	GLASS FITTINGS/ PATCH FITTINGS/ SPIDER FITTINGS	GODREJ/QUBE/KICH/DORMA/HETTICH/HE F ELE/EBCO/MODI/SAINT GOBAIN/TATA/ATUL
8	HINGES, MAGNETIC CATCHERS, SLIDING CHANNEL, HANDLES, TOWER BOLTS:	HETTICH /EBCO/GODREJ/EARL BIHARI / OZONE/ QUBE/KICH/ BECKER FS/DOORSET
9	LOCKS & CUPBOARD LOCKS	GODREJ/QUBE/KICH/DORMA /BECKERFS/ DOORSET/HETTIC H/ OZONE/EBCO
10	STAINLESS STEEL	JINDAL STAINLESS STEEL/SAIL/ TATA
11	WPC	E-3 FIGHTER/ECOSTE/CENTURY PLY/ POLYGREEN/ KOMACEL
12	MODULAR SS RAILING SYSTEM	D-LINE/QUBE/KICH/MOBEL HARDWARE/METALLICA
13	FLOOR SPRINGS & DOOR CLOSERS	HETTICH/EBCO/DOORWAY/DORMA/ GODREJ/QUBE/KICH/ HARDWYN/FALCON
14	GLASS & MIRRORS	MODIFLOAT/SAINT GOBAIN/ ASAHI/ DORMA
15	MELAMINE POLISH & SEALER	NEROLAC/ASIAN/BERGER
16	SCREWS, NUTS & BOLTS ETC.	NETTLE FOLD/GKW/STL
17	ADHESIVE & GLUE	FEVICOL/PIDILITE/ARALDITE / NEROFIX
18	HARDWARE FITTINGS	EVERTITE/ABRO /GKW/ EBCO

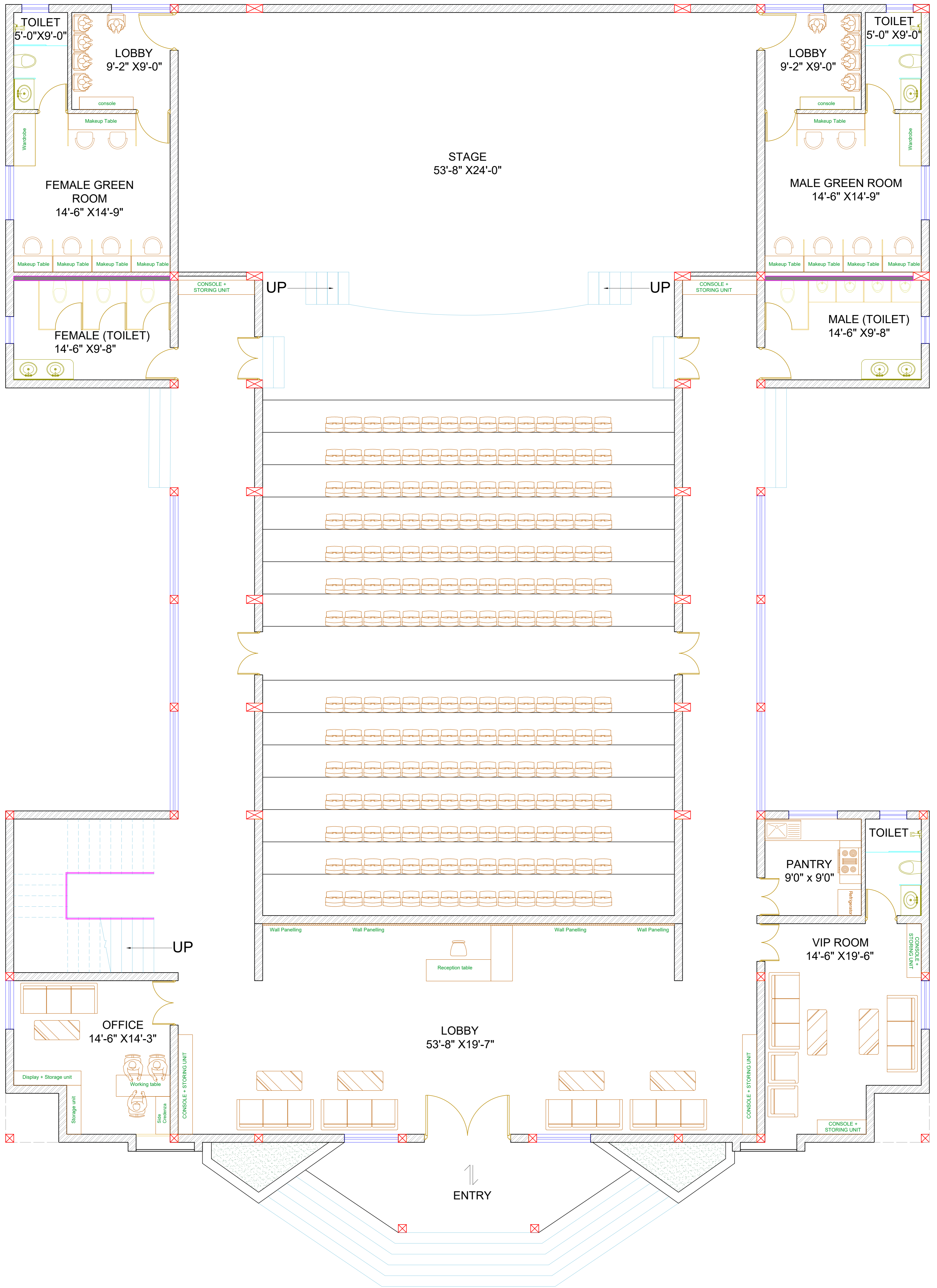
19	ACRYLIC PUTTY	ICI DULUX/ BERGER/ NEROLAC/ TATA/ULTRATECH/ SCHOMBURG/ SNOWCEM
20	WALL PUTTY	BIRLA WALL CARE / MODI WALL/ JK / ULTRATECH
21	CEMENT PRIMER	BIRLA WALL CARE / MODI WALL/ JK / TATA/ PERLCON/ JINDAL/ MYK SCHOMBURG/ WALLFIN
22	ACRYLIC DISTEMPER, EMULSION PAINT/ SYNTHETIC ENAMEL PAINT	NEROLAC/ ASIAN/ BERGER / ICI DULUX/ TATA/ JINDAL /SNOWCEM
23	TEXTURE PAINTS	ASIAN / ULTRATECT/ JINDAL /SNOWCEM/ ULTRA TECH/ MYK SCHOMBURG/ SPECTRUM/ HERITAGE
24	WALLPAPER/3D PAINT	EXEL/ GREEN/ASIAN/WALL MART/BLACKCROW /NILAYA
25	P.O.P. FALSE CEILING /GYPSUM BOARD/ FALSE CEILING	GYPBORD/ GYPSUM LTD/BORAL GYPSUM/LAFARGE/SAIN T GOBAIN
26	METAL FALSE CEILING & METALLIC LOUVERS	NITTOBO/ARMSTRONG/TRAC/DURLUM/L A FARGE/HI STEEL/ HUNTER DOUGLES
27	MINERAL FIBRE CEILING	NITTOBO/ARMSTRONG/HUNTER DOUGLES/ANUTONE/SAINT GOBIN/ USG/ BORAL
28	STRUCTURAL STEEL SECTION (FALSE CEILING)	TATA/ SIL/ RINL/APOLLO
29	U/ RUBBERIZED FOAM & EDGES	MANGALAM/ M.M. FOAM/Sleep well
30	TAPESTRY & UPHOULSTERY CLOTH/ LEATHERITE	In the Price range Min. of Rs. 800/- per R Mt.
31	VERTICAL BLINDS	VISTA/AD/Living Blinds/MAC/NBT/WINDOWTECH
32	VITRIFIED TILES	JOHNSON/RAK/KAJARIA
33	CERAMIC TILES	JOHNSON/RAK/KAJARIA
34	VINYL FLOORING	WONDER FLOOR / UNITEX / RMG / SQUAREFOOT (TARKETT),
35	CARPET	UNITEX / DIVINE / CLASSIC CARPET / SQUARE FOOT (DESSO) /VIBRANT
36	CAST IRON PIPES & FITTINGS	KAFI/ B.P.L./ NICO/JINDAL

37	GALVANIZED IRON PIPES (Heavy Duty)	TATA/ SWASTIK/ JINDAL/SAIL
38	GALVANIZED IRON FITTINGS (Heavy Duty)	UNIQUE/ D.G./ JET
39	VITREOUS CHINA SANITRY WARES	HINDUSTAN/ JOHNSON/ CERA brand/JAGUAR/ KOHLER
40	C.P. BRASS TOILET	JAGUAR/ GROHE/ KOHLER Brand/CERA/RAK
	ACCESSORIES (ISI)	
41	CEMENT	ULTRATECH/ ACC/ DALMIA /JSW/
42	WHITE CEMENT	BIRLA WHITE, JK WHITE /ULTRATECH
43	STEEL FOR REINFORCEMENT	TATA, SAIL, JINDAL, SHYAM
44	BRICKS	Fly Ash Brick- Metric System./AAC Blocks
45	WOOD FOR JOINERY FRAMES, PARTITIONS,	Naturally Seasoned, First Class Pine Wood Or As specified in the Tender as per design
46	ALLUMINIUM FRAME SECTIONS (WITH 50 MICRONS POWDER COATING)	JINDAL/ HINDALCO/ INDALCO/BANCO
47	FURNITURE	GODREJ/ FEATHERLITE/BONTON/ METHODEX/HOF
48	MATTRESS (BONDED TYPE) / QUILTED (WITH COIL)	CURLON / SLEEPWELL COIR FOAM /SPRING WELL / SPRING FIT
49	CURTAINS (POLYESTER/TER RY COTTON)	HOMES/ PURE/ OLIVE/D'DECOR / PURE/RAYMONDS/NBT/MRIGNAYANI
50	CEMENT FIBER BOARD	SHERA/NATIONAL/EVEREST
51	WATER COOLERS	VOLTAS/BLUE STAR/ USHA/EUREKA FORBES

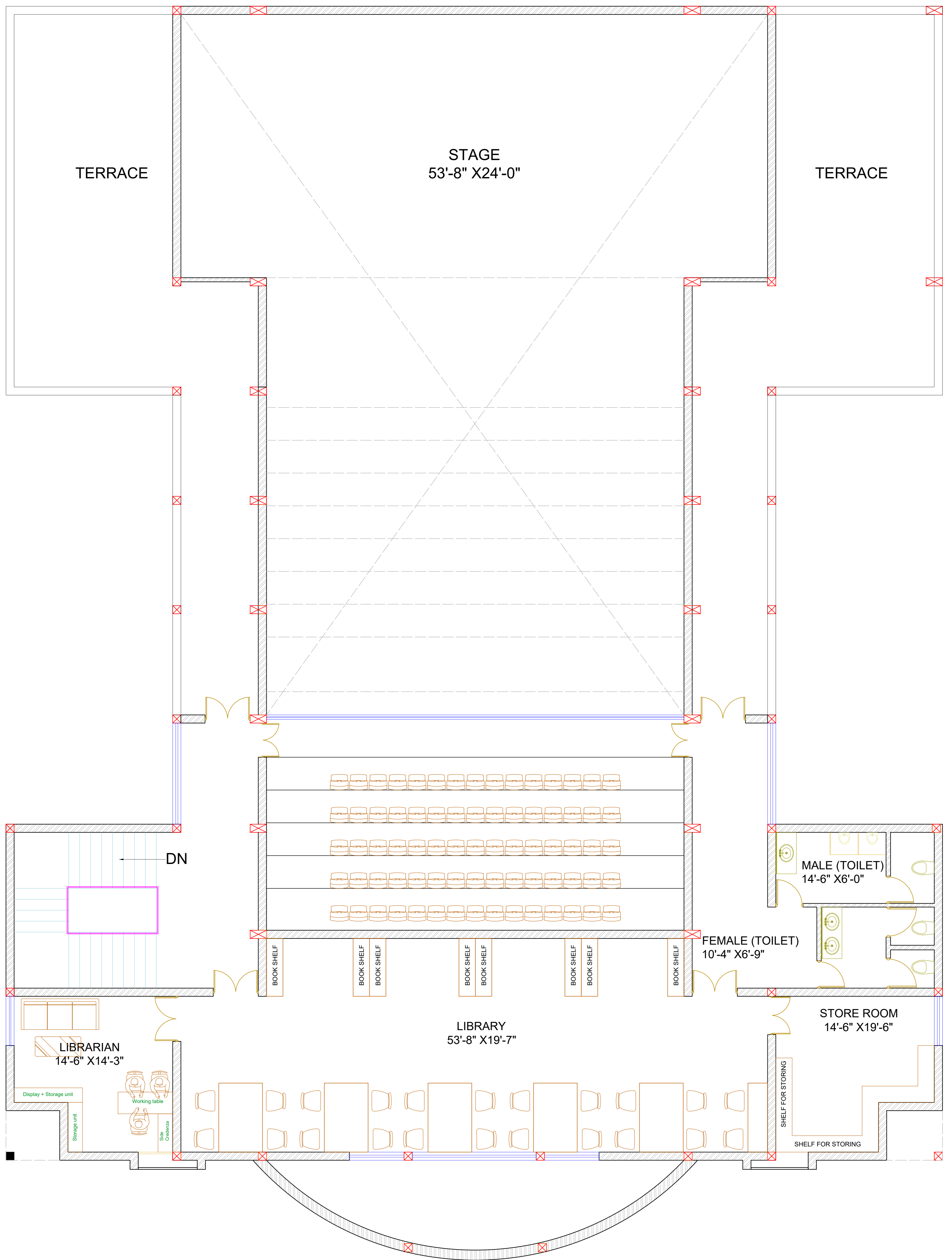
52	WATER PURIFIER	AQUA GUARD/ KENT/WHIRLPOOL/BLUE STAR EUREKA FORBES /PUREIT /KENT RO/LG/HAVELLS
53	REFRIGRATOR	LG /WHIRLPOOL/SAMSUNG/GODREJ/IFB
54	PLANTER	AVIRAA/SUPREMO/SERENO/GUPTA SALES
55	FLOORING/ VENYL FLOORING	SQUARE FOOT (TARKETT) / WONDER FLOOR / UNITEX / VIBRANT
56	COLD ROLLED/ HOT ROLLED STEEL	TATA /RELIANCE/JSW(JINDAL)
57	AIR CONDITIONER	DAIKIN/CARRIER/BLUE STAR/SAMSUNG/ MITSUBISHI ELECTRIC / PANASONIC/LG
58	ARTIFICIAL GRASS	NAM GRASS, FIELD TURF, SUPER GRASS
59	CORIAN SHEET	LG, SAMSUNG, DUPONT
60	PATTERN TILES, WALL CLADDING, WALL COVERING	MURRATTO, CANDOR VIEW, ALUK ITALY

**ANNEXURE 2 - LIST OF APPROVED ELECTRICAL MATERIAL, AND MAKES  
OF ITEMS FOR ELECTRICAL WORKS**

<b>S.No.</b>	<b>Description</b>	<b>Parameters</b>
1	Modular accessories such as switch, socket, regulator, box, cover plate, base frame, etc.(ISI Mark)	Legrand(Artior) / Anchor ( Vision ) / Schneider (Unicapure) / Gold Medal/ L&T/POLYCABS
2	PVC non metallic conduit pipe(HMS) with accessories (ISI Mark)	Polycab/Modi/Anchor
3	PVC insulated Flexible copper cable(Fire Retardent))	Havells/Finolex/Anchor/KEI/Polycab/ R.R. kabler
4	MCCB	Legrand (DPX 3)/L&T(design)/ Schneider(compact NSX) / Schneider
5	MCB	Legrand/Hagar/ Schneider/ Havells
6	MCB DB, Metal clad socket	Legrand/Hagar/ Schneider/ Havells
7	Ceiling/Exhaust/Wall fan	Bajaj/Khaitan/Orient/Crompton/ Havells
8	Bulk head fitting	Philips/ /Bajaj/Wipro
9	Telephone Cable	Havells/Finolex/Delton/KEI
10	Telephone tag block	Krone
11	Telephone socket	Legrand (Artior) / Anchor( Vision )/ Schneider (Unica pure)
12	Computer socket	Systimax/Panduit/Legrand/SCNEIDER
13	Cat-6 LAN cable	Systimax/Panduit/Legrand/D.Link
14	Computer patch card , patch panel & rack	Systimax/Panduit/Legrand/D.Link
15	Aluminiumarmoured cable 1100 volt grade	Havells/Finolex/ KEI/Polycab/ R.R. Kabler
16	Fire alarm & repeater panel	Morly/ Bosch/ Notifier/HONEYWELL
17	Multi detector,manual break glass,sounder and control relay module	Morly/ Bosch/ Notifier
18	Audio Conference System	Ahuja/ Philips/Bosch/Bose
19	Audio System with CD player,recorder	Ahuja/ Philips/ Bosch/Bose
20	Door/Reader Controller	HID® Proximity, GE/CASI® ProxLite, AWID® Proximity/IDETEK
21	Smart Card Reader	Compatible to HID® Proximity, GE/CASI® ProxLite, AWID® Proximity/IDETEK
22	Dome / Bullet camera	Honeywell / Samsung /American dynamics

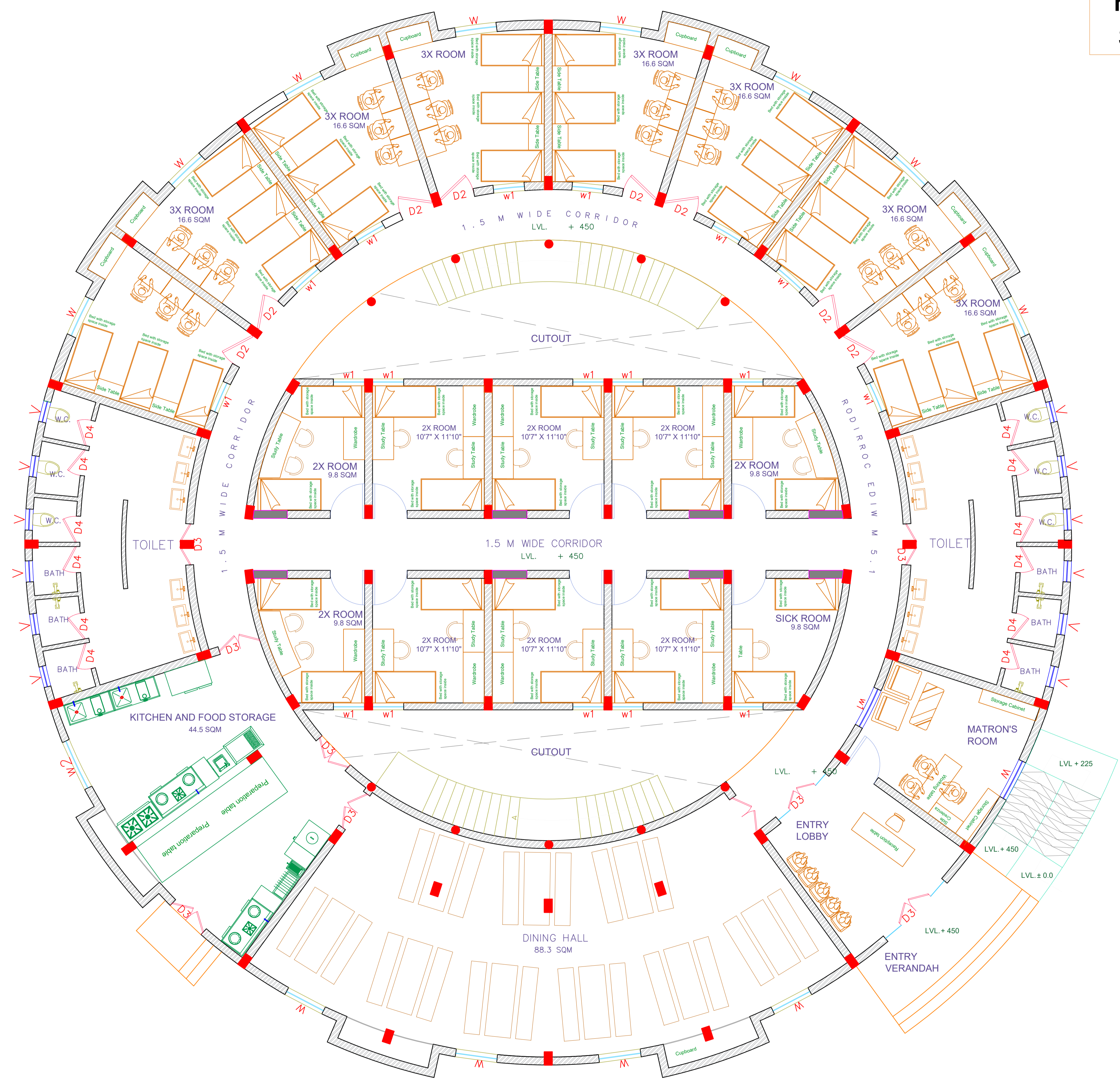


**GROUND FLOOR FURNITURE  
LAYOUT PLAN  
OF AUDITORIUM**



**FIRST FLOOR FURNITURE  
LAYOUT PLAN  
OF AUDITORIUM**

# K.G.B.V. GIRLS HOSTEL SUNDARGARH, ODISHA



**PROPOSED CONCEPTUAL GROUND FLOOR PLAN**

NEW WALL  
 EXISTING WALL

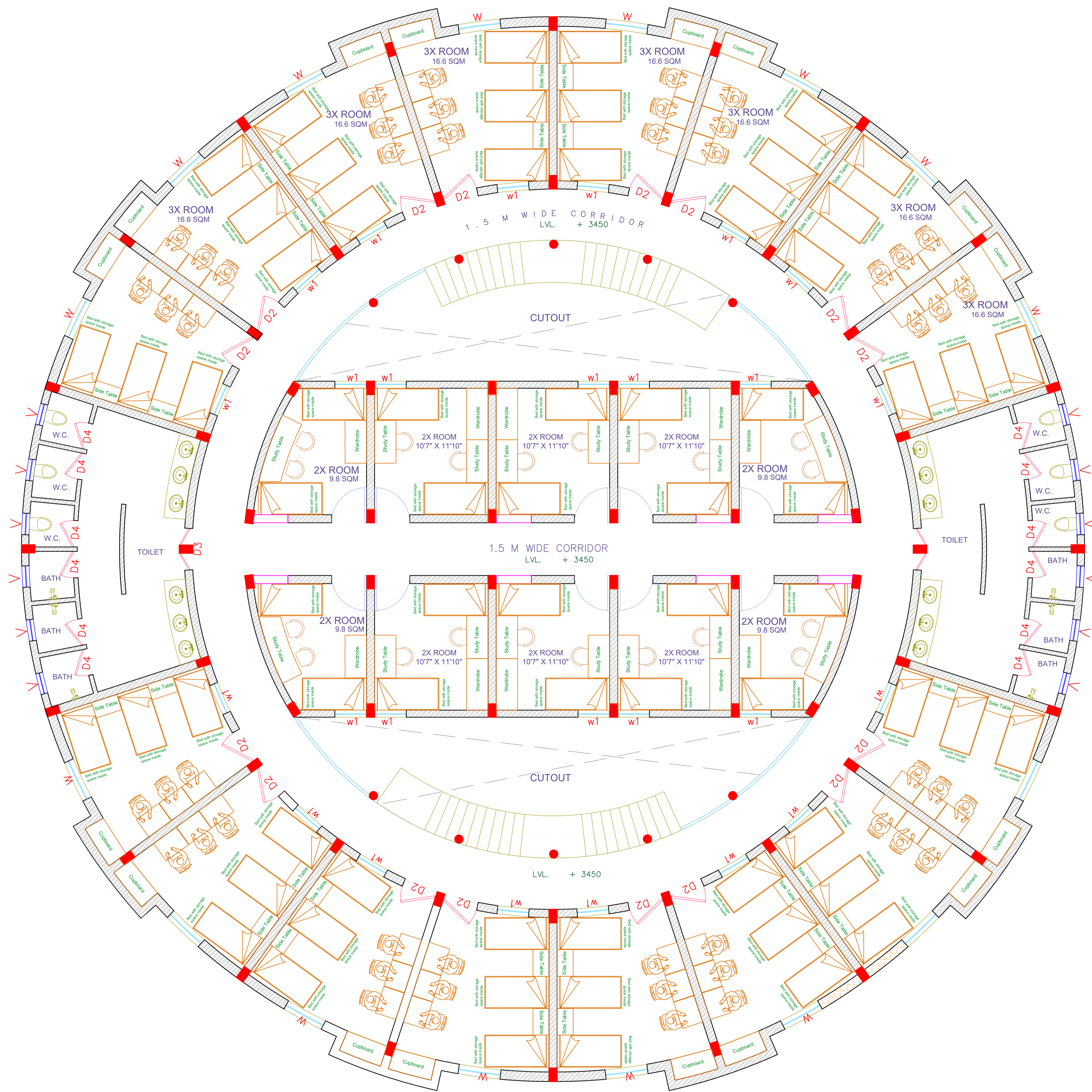
- DOOR (D1) = 1000 X 2134
- DOOR (D2) = 975 X 2134
- DOOR (D3) = 1175 X 2134
- DOOR (D4) = 745 X 2134
- VENTILATION (V) = 610 X 610
- WINDOW(W) = 1200 X 1200
- WINDOW(W1) = 900 X 1200

**FLOOR WISE DISTRIBUTION OF ROOMS AND BEDS**

FLOOR	2X ROOM	3X ROOM	BEDS
GROUND	9	8	42
FIRST	10	16	68
TOTAL:	19	24	

GROUND FLOOR PLINTH AREA: 715 SQM

# K.G.B.V. GIRLS HOSTEL SUNDARGARH, ODISHA



NEW WALL  
 EXISTING WALL

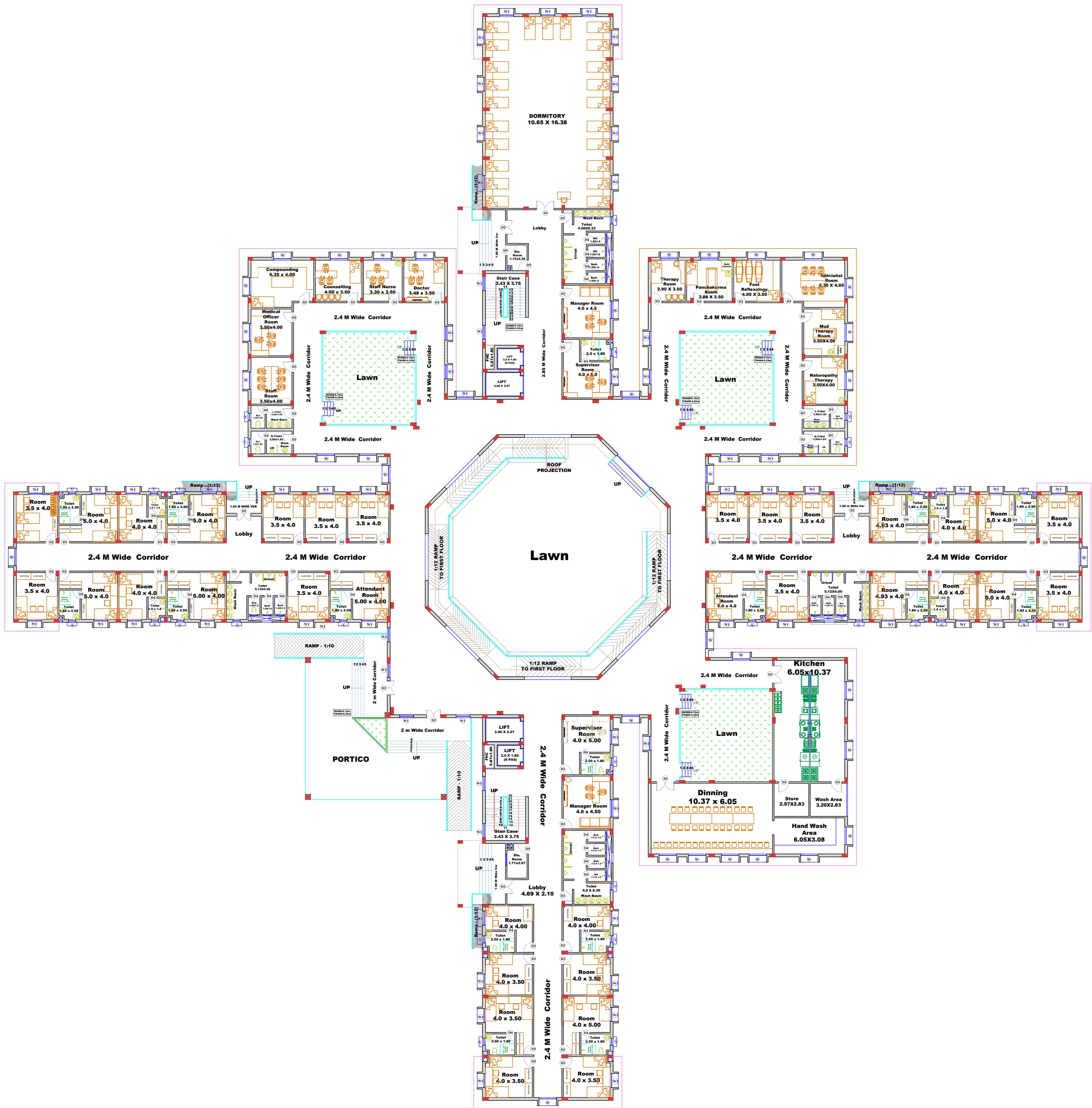
DOOR (D1) = 1000 X 2134  
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 DOOR (D4) = 745 X 2134  
 VENTILATION (V) = 610 X 610  
 WINDOW(W) = 1200 X 1200  
 WINDOW(W1) = 900 X 1200

FLOOR WISE DISTRIBUTION OF ROOMS AND BEDS

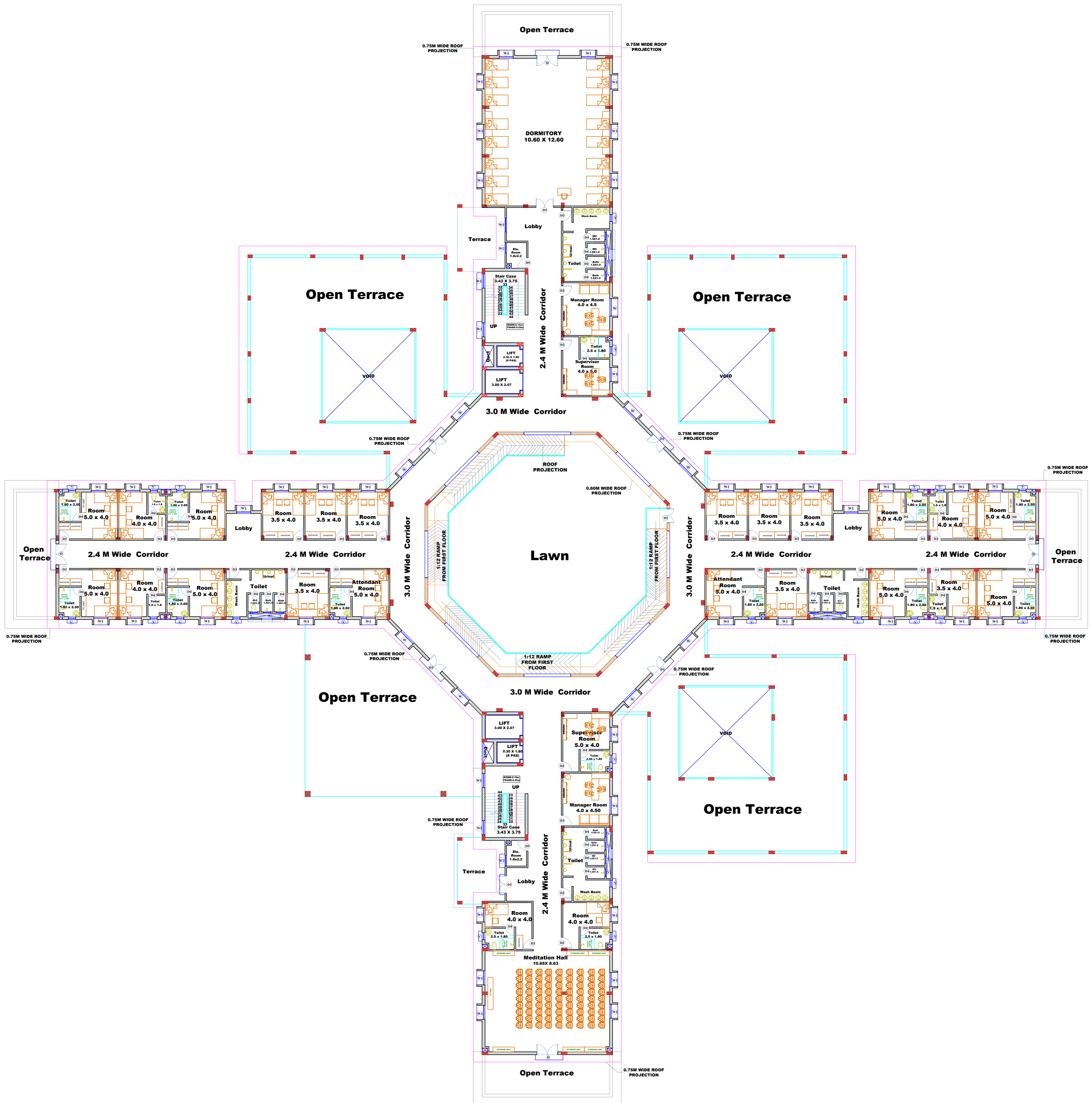
FLOOR	2X ROOM	3X ROOM	BEDS
GROUND	9	8	42
FIRST	10	16	68
TOTAL:	19	24	110

PROPOSED CONCEPTUAL FIRST FLOOR PLAN

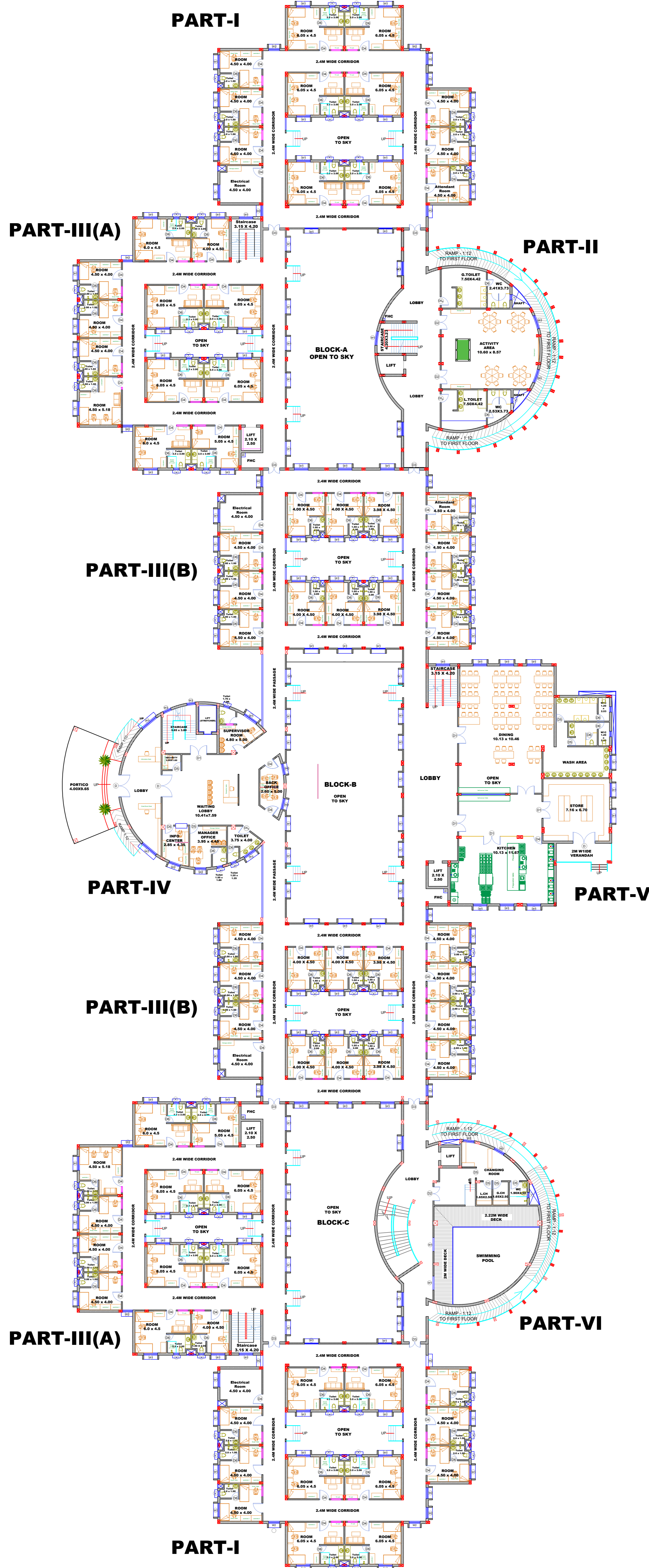
FIRST FLOOR AREA: 630 SQM



# MENTAL ILL HEALTH CARE CENTRE



## FIRST FLOOR FURNITURE LAYOUT PLAN

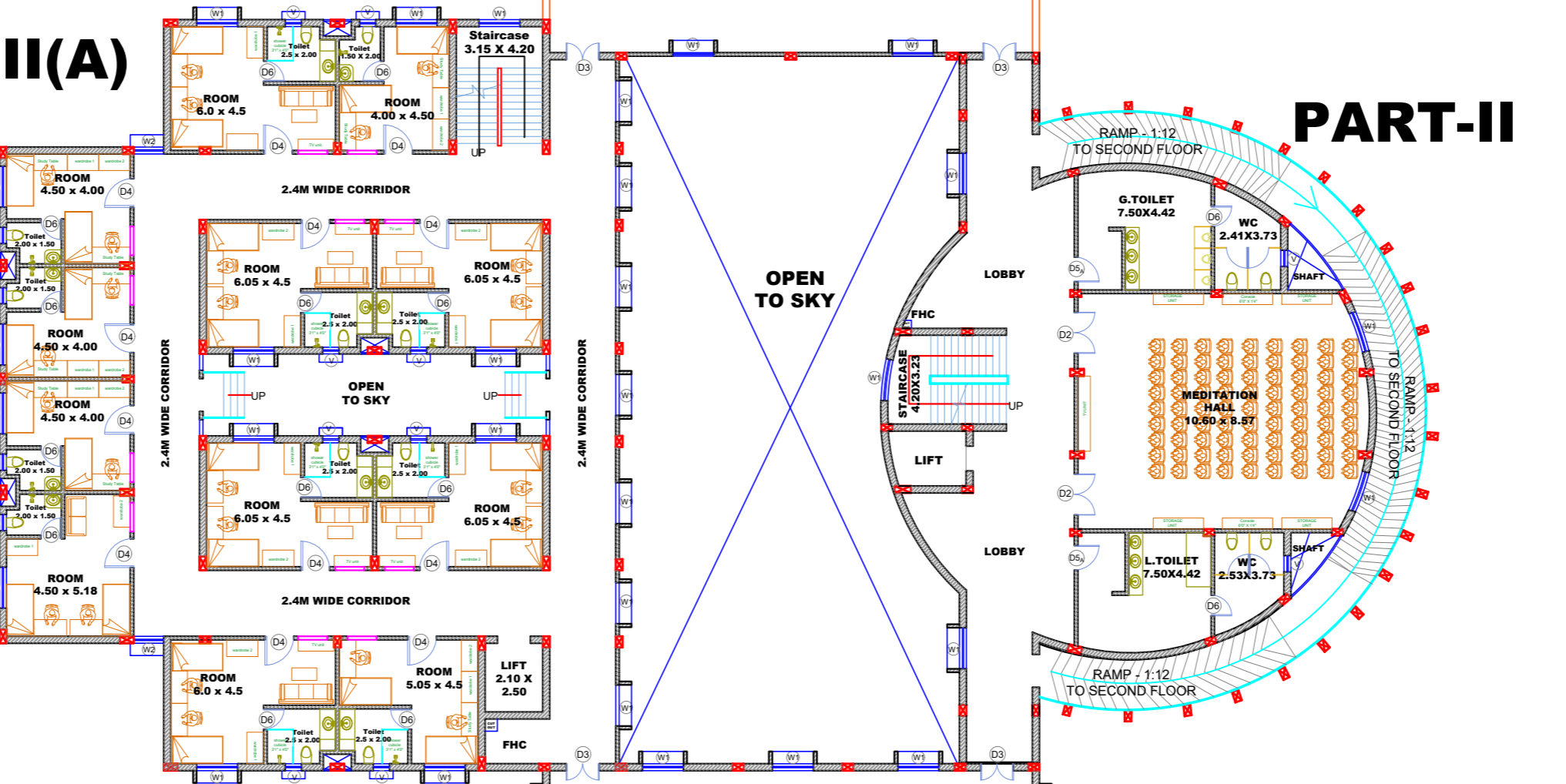


FIRST FLOOR FURNITURE LAYOUT PLAN

SCHEDULE OF OPENING					
- DOOR -					
SL. NO.	TYPE	SIZE	SILL HT.	LINTEL HT.	DESCRIPTION
1	D	2.40X2.175	-	2.175	ALUMINIUM DOOR
2	D1	1.80X2.175	-	2.175	ALUMINIUM DOOR
3	D2	1.50X2.175	-	2.175	ALUMINIUM DOOR
4	D3	1.20X2.175	-	2.175	ALUMINIUM DOOR
5	D4	1.05X2.175	-	2.175	PANELLED DOOR
6	D5	0.90X2.175	-	2.175	PANELLED DOOR
7	D6	0.90X2.175	-	2.175	ALUMINIUM DOOR
8	D6	0.75X2.175	-	2.175	FRP DOOR
- WINDOW -					
9	W1	1.50X1.425	0.75	2.175	SLIDING WINDOW
10	W2	1.20X1.425	0.75	2.175	SLIDING WINDOW
11	W3	0.90X1.425	0.75	2.175	SLIDING WINDOW
12	V	0.60X0.60	1.575	2.175	ALUMINIUM VENTILATOR WITH LOUVERS
13	FG	2.40X1.425	0.75	2.175	ALUMINIUM WINDOW WITH FIXED GLASS

**PART-III(A)**

**PART-II**

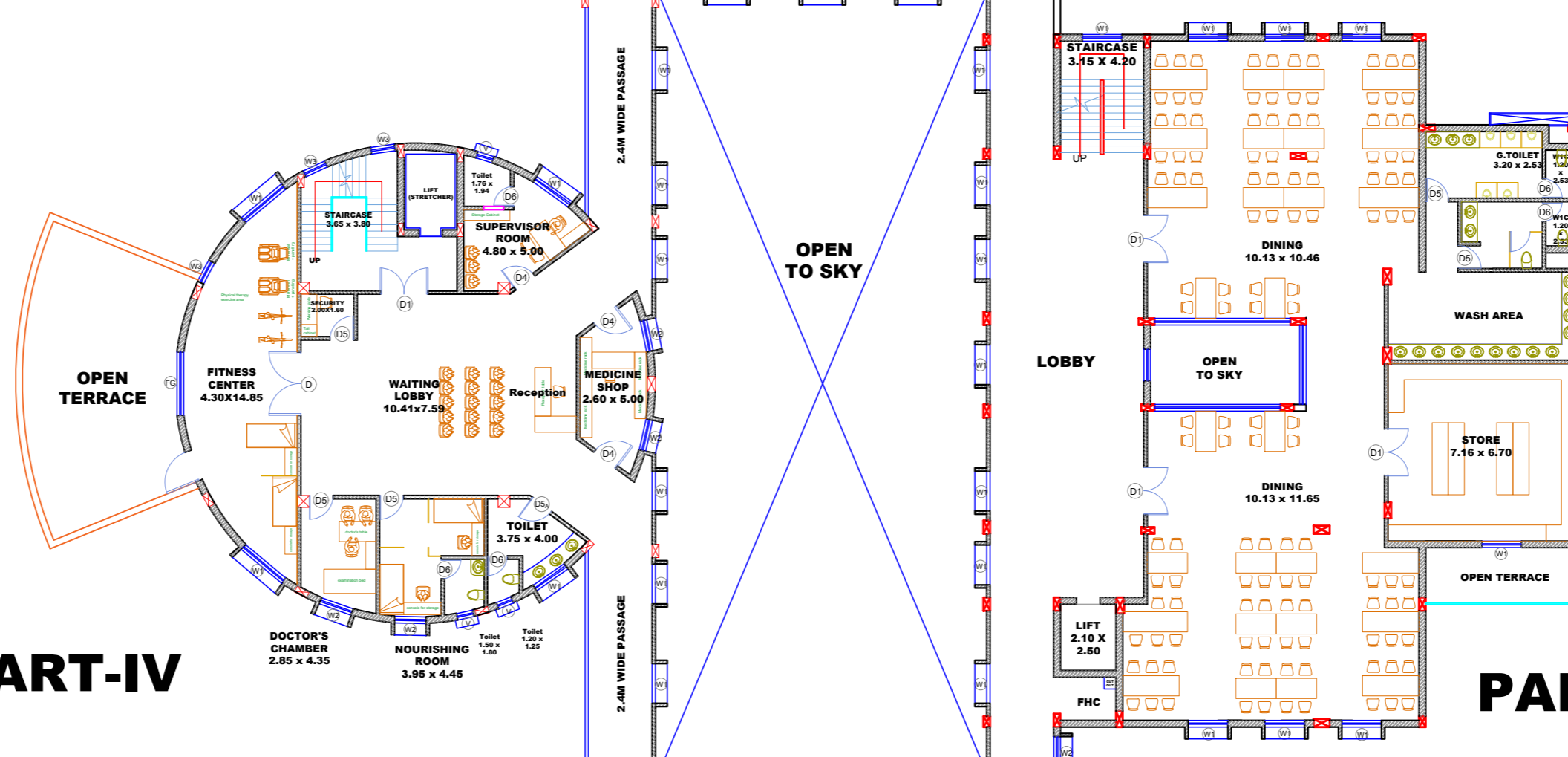


**PART-III(B)**



**PART-IV**

**PART-V**

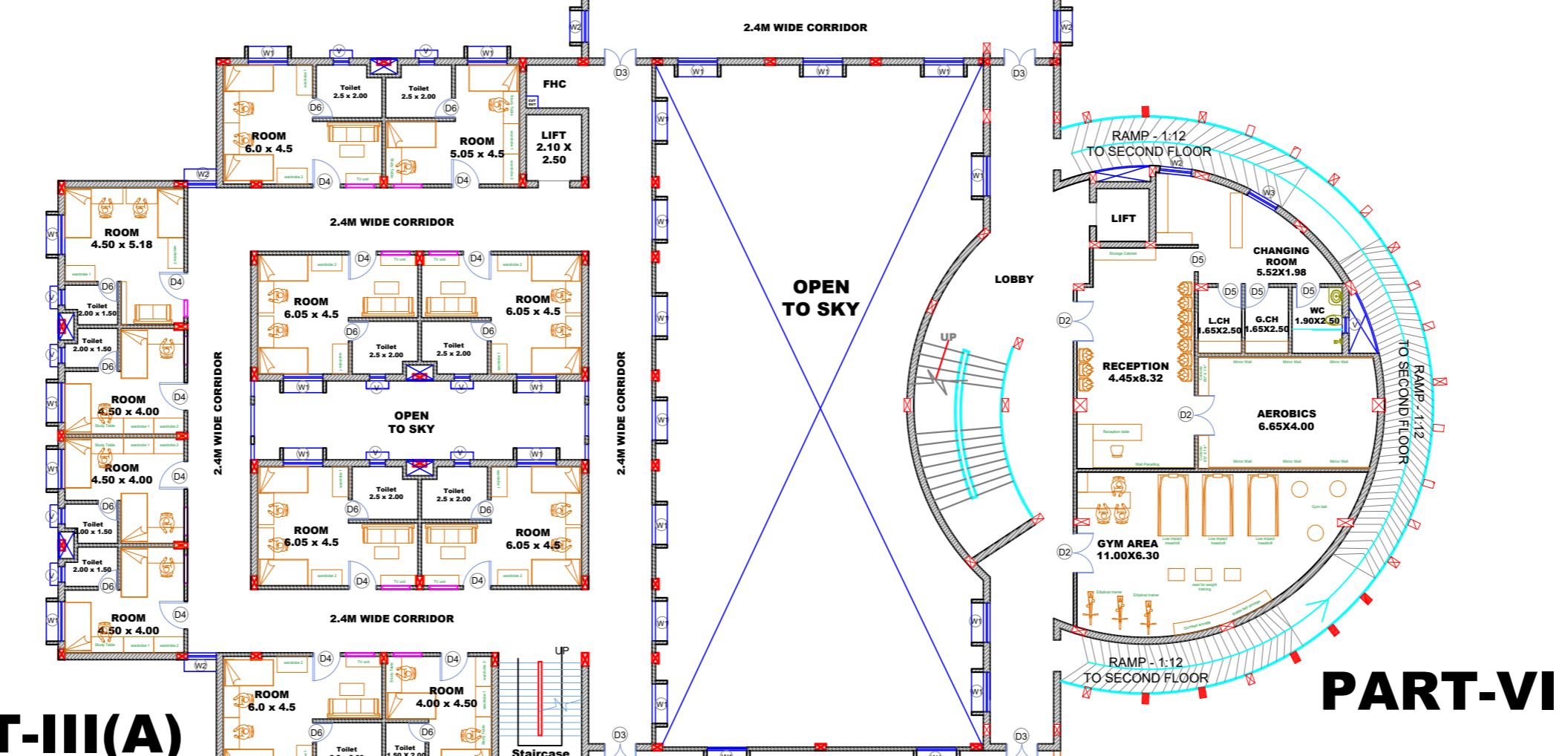


**PART-III(B)**



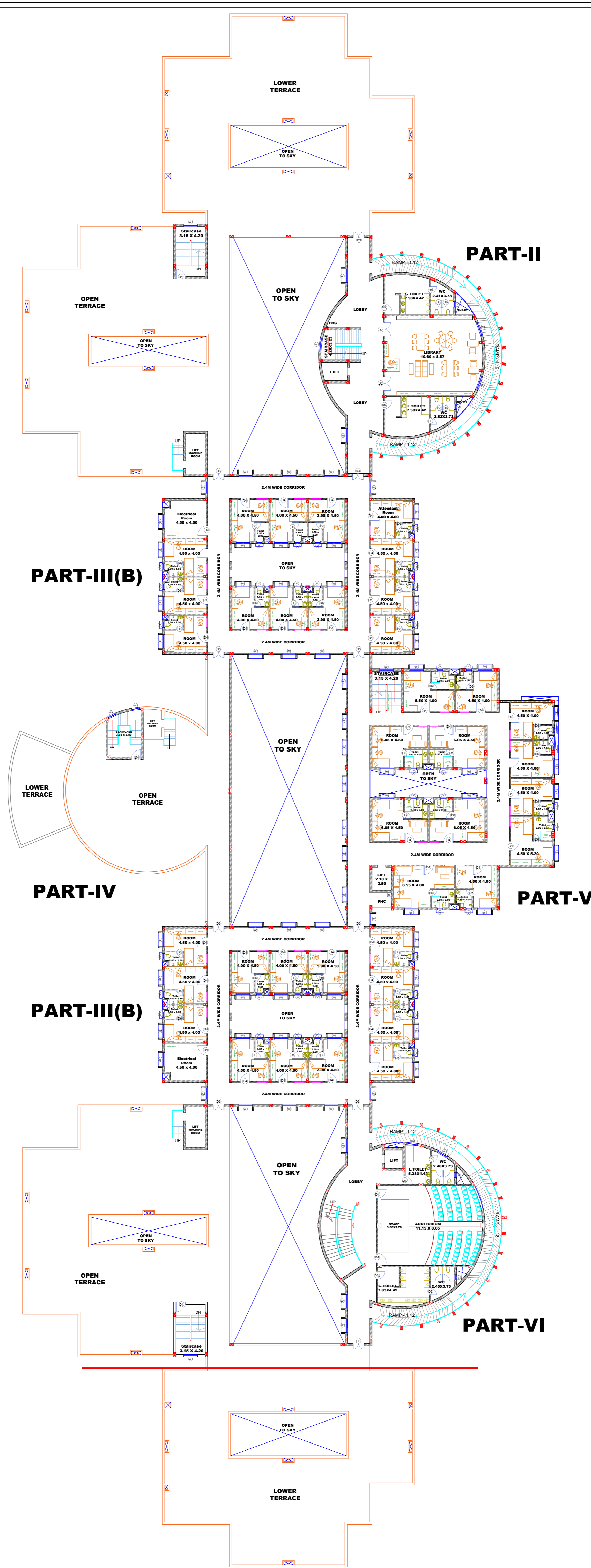
**PART-III(A)**

**PART-VI**



FIRST FLOOR FURNITURE LAYOUT PLAN

SCHEDULE OF OPENING					
- DOOR -					
SL. NO.	TYPE	SIZE	SILL HT.	LINTEL HT.	DESCRIPTION
1	D	2.40X2.175	-	2.175	ALUMINIUM DOOR
2	D1	1.80X2.175	-	2.175	ALUMINIUM DOOR
3	D2	1.50X2.175	-	2.175	ALUMINIUM DOOR
4	D3	1.20X2.175	-	2.175	ALUMINIUM DOOR
5	D4	1.05X2.175	-	2.175	PANELLED DOOR
6	D5	0.90X2.175	-	2.175	PANELLED DOOR
7	D6	0.90X2.175	-	2.175	ALUMINIUM DOOR
8	D6	0.75X2.175	-	2.175	FRP DOOR
- WINDOW -					
9	W1	1.50X1.425	0.75	2.175	SLIDING WINDOW
10	W2	1.20X1.425	0.75	2.175	SLIDING WINDOW
11	W3	0.90X1.425	0.75	2.175	SLIDING WINDOW
12	V	0.60X0.60	1.575	2.175	ALUMINIUM VENTILATOR WITH LOUVERS
13	FG	2.40X1.425	0.75	2.175	ALUMINIUM WINDOW WITH FIXED GLASS



SECOND FLOOR FURNITURE LAYOUT PLAN

SCHEDULE OF OPENING					
- DOOR -					
SL. NO.	TYPE	SIZE	SILL HT.	LINTEL HT.	DESCRIPTION
1	D	2.40X2.175	-	2.175	ALUMINIUM DOOR
2	D1	1.80X2.175	-	2.175	ALUMINIUM DOOR
3	D2	1.50X2.175	-	2.175	ALUMINIUM DOOR
4	D3	1.20X2.175	-	2.175	ALUMINIUM DOOR
5	D4	1.05X2.175	-	2.175	PANELLED DOOR
6	D5	0.90X2.175	-	2.175	PANELLED DOOR
7	D5x	0.90X2.175	-	2.175	ALUMINIUM DOOR
8	D6	0.75X2.175	-	2.175	FRP DOOR
- WINDOW -					
9	W1	1.50X1.425	0.75	2.175	SLIDING WINDOW
10	W2	1.20X1.425	0.75	2.175	SLIDING WINDOW
11	W3	0.90X1.425	0.75	2.175	SLIDING WINDOW
12	V	0.60X0.60	1.575	2.175	ALUMINIUM VENTILATOR WITH LOUVERS
13	FG	2.40X1.425	0.75	2.175	ALUMINIUM WINDOW WITH FIXED GLASS