

**F. No.01-02/GA/2018-FSSAI**  
**FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA**  
**MINISTRY OF HEALTH AND FAMILY WELFARE**  
**3RD FLOOR, FDA BHAWAN, KOTLA ROAD, NEW DELHI-110002.**

Dated, the 09th November 2018

**CORRIGENDUM**

**INVITING BIDS FOR FOR CREATION OF FURNISHED OFFICE STRUCTURE WITH COMPLETE INTERIORS, SUPPLY OF FURNITURE & FIXTURES, AIRCONDITIONING SYSTEM AND OTHER MISC& CIVIL WORK AT TOP FLOOR, FRSL PREMISES, INDIRAPURAM, DISTT GHAZIABAD**

This is with reference to the Tender Document dated 25<sup>th</sup> Oct 2018 for the subject work. Pre-Bid Meeting was held on 02 Nov 2018 in FDA Bhawan, Kotla Road, New Delhi-110 002 wherein various issues were observed/discussed with the prospective bidders present in this meeting. The following amendments are accordingly hereby made which may be perused and the price bids may be submitted in revised format attached separately as **(Annexure - B)**. Brief record of pre bid meeting is at **Annexure - A**.

2. The last date and time for submitting bids also remain unchanged.
3. In view of the above details, the following may be seen for information.

<b>S.No.</b>	<b>For the Contents Mentioned in RFP</b>	<b>Read as under</b>
(i)	<del>para 5 (Part-II) of RFP  The edges of flooring shall be well concealed. Neon streak lights will be provided at the skirting/sides of the conference table and digital display panels. All types of electrical wires and Telephone/AV and Internet cables to be used shall be of specification laid down by the FSSAI in line with local rules and electrical wiring for all installations and equipment will be concealed/embedded. Proper fire safety measures are to be followed while carrying out electrical wiring as per guidelines &amp; standards duly cleared by designated authorities.</del>	Removed/N.A.
(ii)	<b>For Para 6 A(1 to 5) of Part-II of RFP</b> <del>1. Glass Wool Insulated Walls Panels: The main wall panels will be made up of 100mm thick PUF Panels with guard film having</del>	<u><b>Read</b></u> The structure shall consist of works as under:- Structural Framework:- Fabrication and supply of the walls panels, roof trusses joists shall be all

ribbing pattern. The Panels will be made of 0.50 mm thick PPGI on both side with 49 mm thick layer of rigid CFC free polyurethane foam of density 40 kg +/- 2kg / cum as Insulation. The wall puf panels will be provided with tongue and groove joint and will be interlocked using with cam lock systems. Gable ends will also be covered with same Single required size panels as of wall. The wall panels at the corner will be joined by PPGI corner angle.

2. False Ceiling:The false ceiling panels shall be made up of 50 mm thick with 0.50 mm thick PPGI with rigid CFC free polyurethane foam of density 40 kg +/- 2kg / cum as Insulation to be provided in verandah area Only.

3. Pufpanel manufacturing process: These Panels will be manufactured in discontinuous plant using high pressure dispensing machine of required capacity to inject specified amount Iso-Cyanide and polyol liquid chemicals into the cavity of full panel in 2/3 shot. The impending machinery should be equipped with a PLC controlled panel for monitoring and controlling the injection rate to assure specified uniform density requirements. All panels will be moulded in place using the above in-situ process after placing them in a hydraulic press with heated aluminium platen so as to attain the desire finish, bonding and structural properties. All material required for the manufacture of shelter will be new and shall comply with relevant Bureau of Indian Standard specification. The PUF insulation material in the panel will have fire retarding and self-extinguishing properties as per any international standard B2 DIN 410 2 part/BS-4735 Self Ext.

4. PPGI Walls Cladding: The wall cladding shall be of PPGI trapezoidal profile PPGI sheet of 0.6mm thickness & shall be fixed on to the runners with suitable size STSD screws

made up of roll-formed cold rolled lipped “C” steel sections of width 89mm or 150 mm made out sheet thickness ranging from 0.75mm to 1.20 mm with Zinc/Galvalume coating of 275GSM and steel yield strength of 550MPa i/c portal frame made of HR steel if required to accommodate large rooms including the base plate anchor bolts etc. Purlin:- GI hot section/ Galvalume “C” section Runner: Cold rolled lipped “C” steel sections shall be provided @ interval of 750 mm c/c or as per design/on site requirement for hanging of lights/false ceiling.

Roofing:- Metal profile PPGL 0.5mm TCT in colours as approved. Roof Insulation:- 48kg/m<sup>3</sup>, minimum 100mm thick Fiber glass wool with one side aluminum sheeting/film for roof insulation. It may be noted that the Roof will have the provision of installation of Solar Panels on it as per the directions of concerned agency with suitable steel structure on top sun facing with approx 35-40° slope.

External Wall Cladding:- 12mm thick Heavy duty Fiber cement boards of exterior grade **in first layer and 6mm cement fibre board in 2<sup>nd</sup> layer fixed in groove pattern to conceal the joints of the first layer board.** Building Paper – Breather Foil on external face of LGSF wall. Internal wall cladding:- 12 mm thick Normal fiber cement boards upto bottom of truss/joist, However the clear height of bottom of truss/joist shall not be less than 3.0 mtr from floor level . Internal Wall Lining – 12.5mm thk Gypsum Plaster board with necessary fixing with necessary screws and finishing with jointing compound and jointing tape etc.

Wall Insulation:- 100mm thick mineral wool 48kg/m<sup>3</sup> density with aluminium sheeting/film. Suitable sun shades made out of minimum 0.50 mm PPGL sheets will be provided to all external windows and doors not covered under verandah. The minimum projection for the sun shade shall be 450 mm and 300 mm wider than the width of the opening.

Gutter and down take pipe:- Valley Gutter and

	<p><del>5. Roofing: The roof shall be provided with a two way slope of 1:3 ratios with PPGI trapezoidal colour coated sheet min 0.6mm or higher thickness. The roof shall have minimum projection of 300 mm from the eaves &amp; gable wall. The roof sheets shall be fixed on to the steel frame work of trusses &amp; purlins using STSD screws having suitable washers. The roof sheeting junction will be covered using 0.60mm thick PPGI ridge cover of 300 mm each on both slopes. <b>It may be noted that the Roof will have the provision of installation of Solar Panels on it as per the directions of concerned agency with suitable steel structure on top facing South West with approx 35-40° slope.</b></del></p>	<p>down take pipe as per Architectural and as per actual requirements.</p> <p>Finishing:- Ready to paint surface for interior &amp; exterior including Jointing &amp; a coat of cement primer Soffit and Eaves or equivalent Lining :- External Soffit and Eaves Lining with Fiber cement Boards.</p> <p>All civil work upto plinth level/Roof top level where the prefabricated structure to be erected shall be paid separately as per requirement &amp; site conditions. The work shall be executed as per drawing enclosed with the NIT. (The outside dimensions in plan of the light gauge metal frame shall be measured for working out the area payable under this item. However, cut-out/opening shall be deducted from the above measured areas. Nothing extra shall be paid for roof projections/ sunshades, or height.) (Note: Split up of components of this item is not permitted, all relevant works/items shall be of specialized LGSF original manufacturer like Everest or equivalent)</p> <p><b>The above work includes removal / shifting of all services existing on the relevant area as per the instruction of officer – in –charge.</b></p>
(iii)	<p>For Para 11 of Part-II of RFP.</p> <p><u>Civil Foundation &amp; Flooring:</u> As per standard engineering practices: The foundation plinth beam will be on the mother slab and upto 150mm above the existing terrace floor level &amp; shall be covering the following aspects as per drawing.</p> <p>A. Excavation of Base-work on Terrace&amp; Backfilling of available excavated area.</p> <p>B. Providing &amp; Laying in Position Cement Concrete in base 1:5:10(1 Cement: 5 Coarse Sand: 10 Graded Stone Aggregate 40 mm Nominal sizes).</p> <p><del>C. Brick Work with bricks of class designation 75 in: Cement Mortar 1: 6 (1Cement: 6 Coarse Sand).</del></p>	<p><u>Read</u></p> <p>11. <u>Civil Foundation &amp; Flooring:</u> As per standard engineering practices: The foundation plinth beam will be on the mother slab and upto 150mm above the existing terrace floor level &amp; shall be covering the following aspects as per drawing.</p> <p>A. Excavation of Base-work on Terrace&amp; Backfilling of available excavated area.</p> <p>B. Providing &amp; Laying in Position Cement Concrete in base 1:5:10 (1 Cement: 5 Coarse Sand: 10 Graded Stone Aggregate 40 mm Nominal sizes).</p> <p>C. Sand Filling up to 50 mm over compacted earth. F. Providing &amp; Laying in Position Cement Concrete in floor 1: 3: 6 (1Cement: 3 Coarse Sand: 6 Graded Stone Aggregate 20mm Nominal size) 75 mm thick.</p> <p>D. Providing &amp; laying vitrified tile 800x800 size over PCC in floor as per specification. E. Providing &amp;</p>

<p><del>D. Providing &amp; Laying Damp Proof Course (DPC) 75mm thick with Cement Concrete 1: 2: 4 (1 Cement: 2 Coarse Sand: 4 Graded Stone Aggregate 12.5mm Nominal size) over the brick work.</del></p> <p>E. Sand Filling up to 50 mm over compacted earth. F. Providing &amp; Laying in Position Cement Concrete in floor 1: 3: 6 (1Cement: 3 Coarse Sand: 6 Graded Stone Aggregate 20mm Nominal size) 75 mm thick. G. Providing &amp; laying vitrified tile 600x600 size over PCC in floor as per specification. Providing &amp; laying vitrified tile super glossy nano tech as per approved patterns with approved colour &amp; make on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) sand mortar bed fixed with neat cement paste including fixing to required slopes, floating filing joints with white /coloured tile joints filing compound, curing etc. complete in all respects as per drawings and directions. (Basic rate Rs. 100/- sft). H. Cement Plaster - 12 to 15mm thick mix on the exposed external Brick wall over NGL in 1: 6 (1 Cement: 6 Fine Sand) finished with Water proofing Cement Paint Snowcem or equivalent of approved shade. I. Plinth protection of average 50 mm thick 1:5:10 and 300 mm in width (Sloping from 3 inches to 1 inch).</p>	<p>laying vitrified tile super glossy nano tech as per approved patterns with approved colour &amp; make on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) sand mortar bed fixed with neat cement paste including fixing to required slopes, floating filing joints with white/coloured tile joints filing compound, curing etc. complete in all respects as per drawings and directions. (Basic rate Rs. 100/- sft). Make Kajaria, Somany, NITCO or equivalent. F. Cement Plaster - 12 to 15mm thick mix on the exposed external Brick wall over NGL in 1: 6 (1 Cement: 6 Fine Sand) finished with Water proofing Cement Paint or equivalent of approved shade. G. Plinth protection of average 50 mm thick 1:5:10 and 300 mm in width (Sloping from 3 inches to 1 inch).</p>
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<p>(iv)</p>	<p><b><u>FOR</u></b>  <b><u>PART F (SUPPLY, INSTALLATION AND COMMISSIONING OF NEW LIFT)</u></b></p> <p>The FSSAI intends to procure &amp; install one new lift with 08 passengers (680 kg weight) carrying capacity with the best available technology and quality using Gearless &amp; Machine Room Less (MRL) system with fully functional ARD (Automatic Rescue Device) and Auto Defect Detection System. The Technical Specifications for the proposed Lifts are given below as an indicative and the essentially required specifications to be adhered to by the lift manufacturers as per present norms/rules/guidelines/circulars issued under (i) The Indian Electricity Rules 1956 (ii) The Indian Electricity Act 1910 (iii) Bombay Lift Act 1939 (iii) Delhi Lift and Escalator Bill (iv) Haryana Lifts and Escalator Act-2008 (v) Fire safety regulations pertaining to lifts (vi) NBC provisions applicable to lifts-2005 etc. The bidders shall also take into account the applicable local and State regulations for the design and installation of lifts. Wherever appropriate Indian Standards are not available, relevant British and/or IEC Standards shall be applicable. BIS certified equipment shall be used as a part of the Contract. EN-81 standards as amended to date would be used as a benchmark where appropriate IS are not available. The Lift will carry on site comprehensive complete warranty of two years from the date of installation.</p>	<p><b><u>READ</u></b></p> <p>The FSSAI intends to procure &amp; install one new lift with 10 passengers (680 kg weight) carrying capacity with the best available technology and quality using Gearless &amp; Machine Room Less (MRL) system with fully functional ARD (Automatic Rescue Device) and Auto Defect Detection System. The Technical Specifications for the proposed Lifts are given below as an indicative and the essentially required specifications to be adhered to by the lift manufacturers as per present norms/rules/guidelines/circulars issued under (i) The Indian Electricity Rules 1956 (ii) The Indian Electricity Act 1910 (iii) Bombay Lift Act 1939 (iii) Delhi Lift and Escalator Bill (iv) Haryana Lifts and Escalator Act-2008 (v) Fire safety regulations pertaining to lifts (vi) NBC provisions applicable to lifts-2005 etc. The bidders shall also take into account the applicable local and State regulations for the design and installation of lifts. Wherever appropriate Indian Standards are not available, relevant British and/or IEC Standards shall be applicable. BIS certified equipment shall be used as a part of the Contract. EN-81 standards as amended to date would be used as a benchmark where appropriate IS are not available. The Lift will carry on site comprehensive complete warranty of two years from the date of installation.</p>
<p><b>For specifications/Make/Model and related details mentioned in Price Bid Format have been amended for convenience and more clarity. Hence, the revised Price Bid Format for the entire work and services is appended below to be used for submission of Bids.</b></p>		

Sd/-  
Assistant Director (General Administration)  
Food Safety and Standards Authority of India

**INVITING BIDS FOR FOR CREATION OF FURNISHED OFFICE STRUCTURE  
WITH COMPLETE INTERIORS, SUPPLY OF FURNITURE & FIXTURES,  
AIRCONDITIONING SYSTEM AND OTHER MISC& CIVIL WORK AT TOP FLOOR,  
FRSL PREMISES, INDIRAPURAM, DISTT GHAZIABAD**

**BRIEF RECORD OF PRE BID MEETING FOR THE SUBJECT WORK HELD ON 02 NOV 2018**

This pertains to selection of suitable contractor for carrying out the work of cration of fully furnished office infrastructure by temp construction on roof top of FRSL premises located in Ahinsakhand-II, Indirapuram. In this regard an OTE was published on FSSAI own website, CPP Portal and advertisement in leading local newspaper (N/11 ante may kindly be perused). As per condition of RFP, a pre bid meeting was held on 2<sup>nd</sup> Nov, 2018 at 1100 hrs in conference room of FSSAI, FDA Bhawan in presence of following officials :-

- (i) Mr. Raj Singh, Head (GA & Legal)
- (ii) Mr. Ravinder Kumar, AD(GA)
- (iii) Mr. Sumer Singh Meena, AD(GA)

3. During the pre-bid meeting the undermentioned probable bidders were also present. Copy of attendance is also placed below (F/A) for information: -

- (i) Mr. Ranjan Kr Jha, Project Head M/s Tirupti Traders
- (ii) Mr. KP Tyagi, Project Coordinator, M/s Tirupati Traders
- (iii) Mr. PK Sharma, Project Manager, M/s Tirupati Traders
- (iv) Mr. Dhiraj Navani, Proprietor & rep of M/s Kamini Constructions
- (v) Mr. S.K. Dey, Executive Director, M/s Asha Enterprises (P) Ltd
- (vi) Mr. Dinesh, Manager M/s SF Projects (SP)
- (vii) Mr. Sunny Jain, M/s Pavilions & Interiros India Pvt Ltd
- (viii) Mr. Deepak Jangra, Project Manager M/s MGS Infra Pvt Ltd
- (ix) Mr. Vijay Bhatt (Director), M/s MGS Infra Pvt Ltd

4. The probable bidders raised various queries and made few suggestions in the Tender Document and also sought clarification wrt the BoQ and payment provisions mentioned in RFP to enable them to submit their bids. The same are appended below for reference:-

S.No.	Observations	Clarifications
(i)	It was pointed out by the rep of M/s Asha Enterprises (P) Ltd that the warranty on airconditioning system is provided by the OEM for one year and thereafter AMC is to be obtained	It was clarified that this provision has been categorically kept with a view to ensure that the product supplied and installed is of good quality and while installation there should be no lapse

	<p>from its manufacturers for trouble free service. Therefore, the condition for 2 yrs warranty mentioned in Tender document may please be restricted to one year. The warranty upto five years would be transferred to FSSAI through OEM subsequently.</p>	<p>of any kind which may lead to inconvenience or unwarranted situation/technical snags later. Further three years AMC has been sought to ensure smooth functioning for 5 yrs. Hence, it is mandatory clause and no change is considered appropriate to ensure that the supply of product and ancillary items are genuine and of good quality. Besides that the after sales service/on site warranty component inherently involved, though the concerned OEM will be providing the same but the selected bidder has to ensure and coordinate its smooth backup services. The other present bidders' reps from Kamini Constructions, Tirupati Traders agreed upon it unanimously.</p>
(ii)	<p>It was further stated by most of the bidders raised the issue of having MoU/authorization back up with OEM for various visual/display equipment and airconditioner manufacturers (OEM) as the MoU executed at this stage and supply at later stage may yield into trouble due to unforeseen price escalation or fate accompali for them to accept their terms and conditions which at the time of entering into MoU or authorization may not be there.</p>	<p>It was clarified that this condition was incorporated in tender document to ensure that the quality and original brand products are supplied. As regard blackmailing or advantageous position of OEM, it was mentioned that no OEM would undergo for this presumable situation as this organisation has already awarded and successfully carried out similar work on this condition. The rep of Kamini Construction, Tirupati Traders also were of the opinion that this clause can be remained unchanged. Therefore, it would be in the interest of proposed work to keep this technically qualifying clause unchanged.</p>
(iii)	<p>The bidders asked for detailed structural drawing/layout plan.</p>	<p>It was ensured that the same would be provided by FSSAI and also published on website at an early date. Any bidder may collect it in person, if required from AD(GA) during office hours.</p>

(iv)	All bidders insisted that make i.e. brand of all the items be specified/mentioned for better pricing and providing equal opportunity to all for quoting prices for them as non specifying the brand or make/model could be the reason for price variation.	The suggestion was considered appropriate and agreed to, being asked by all present probable bidders subject to obtaining approval from CFA after consulting Architect/Sr Experts.
(v)	A clarification was sought whether all the prices are to be quoted inclusive of GST as in case there is decrease in GST rate due to any reason, the quoted price shall prevail.	It was clarified that tax (GST) being the statutory component which is to be paid. Hence, it was agreed that the prices for individual items be quoted exclusive of GST by mentioning that GST would be additional, as applicable.
(vi)	It was also pointed out that the external cladding for sun shades mentioned thickness of 0.60mm PPGI could be of fibre sheet. Also sought clarification whether the outer walls of LGSF structure could be single or double.	It was clarified that no fibre sheet is allowed. The outer walls would be double not single.
(vii)	All the bidders have raised the issue of payment terms. They were insisting that provision for one more payment instalment be incorporated as after 50% payment release no further payment is provisioned and entire balance 50% shall be payable only after completion of work. This way the contractor has no leverage and any working capital quision as majority of items would require immediate payment like airconditioning sytem, lift, LGSF structure etc. This is not feasible provision and should be considered favourably as no provision of running bills payment exist.	It was mentioned that the proposal will be considered at appropriate level and if approved, the provison of additional 15% payment between the stages 2 and 3 would be made and balance 35% as full and final will be released on completion of work.
(viii)	The bidders also raised a point about work completion related to release of second instalment as to what would be the criteria of quantifying the work in terms of percentage. It would be better if it is quantified at	It was not considered a valid point and thus quantifying the items in connection with release of payment could yield to variations and thus, as suggested the quantification of LGSF structure and installation of



	various stages viz erection of LGSF structure, laying of flooring/paneling etc. so that proper authenticated work completion certification could be made and bidders should not be at the mercy of Architect or FSSAI officials in this regard.	airconditioning system only can be considered upon. But percentage term would remain as benchmark and will be certified by the FSSAI officials/Architect.
(ix)	Majority of bidders also insisted that the time line for work completion may be given for around 6 months considering coming winters/fog weather ahead.	It was clarified that this is time bound project and only those bidders willing to accept the challenge and has capability/enough resources to carry out the specified work by working hard may undertake the project. Maximum 120 days time could be considered from the date of award of contract.
(x)	A clarification was sought whether there is any restriction on working hours or movement of items into the premises	It was clarified that there is no restriction of any kind from FSSAI for executing the awarded work.
(xi)	The point was raised whether the site can be visited and also the item relating to creation of lift well by extending the existing one is not itemized in BoQ.	It was stated that the same is mentioned in RFP and thus need not be any additional item and may be quoted in lumpsum (Item No.21 of Part-A of BoQ may please be referred to). The site could be visited any working day at FRSL Lab, FSSAI, Ahinsakhand-II, Indirapuram near CRPF camp, Distt Ghaziabad (UP)
(xii)	The rep of Kamini Constructions stated that the PUF item is mentioned in RFP which is not required to be mentioned as all details are otherwise specified in BoQ and for ceiling insulation inside roof glass wool is mentioned.	It was clarified that PUFpanel mentioned in general description of work (page 6 of RFP) will be removed as it is not being used for insulation. Roof insulation as well as wall insulation with glass wool of 100mm is to be done instead of 50mm mentioned in item no.1 of Part-A. The bidders quote their rates accordingly.
(xiii)	It was further mentioned that 2 Cub Mtr for wooden Chokhat to be affixed for doors at certain places be included as additional item. This will be affixed wherever needed as per onsite requirement.	It was agreed upon as this would avoid any additional item anticipated at this stage to avoid any ambiguity later.

4. It was further clarified that the time limit of three months is quite reasonable for work completion. However, as insisted upon by all bidders, it was assured that this aspect would be considered but in no case shall be exceeding 4 months considering all pros and cons and wherewithal of the area and that is why composite tendering has been done so that the onus of responsibility for supply of items, civil/electrical work and plumbing work should be shared or transferred. As a consolidated supplier of all works and services i.e. all items, it becomes quite convenient and authority of getting work done is also centralized. The single vendor has to plan its work stages and he will be having freehand by customizing its preferences on supply/installation of items according to their on site requirement and scope of finishing. This was agreed upon by majority of the bidders as the provision of unforeseen circumstances viz short supply/strike or natural calamity etc will prevail in time limit. **It is further mentioned that the comprehensive AMC for new lift after completion of two years warranty from the day of installation shall be the responsibility of selected vendor to transfer/arrange directly through OEM.**

REVISED PRICE BID FORMAT TO BE SUBMITTED BY THE BIDDERINVITING BIDS FOR FOR CREATION OF FURNISHED OFFICE  
STRUCTURE WITH COMPLETE INTERIORS, SUPPLY OF  
FURNITURE & FIXTURES, AIRCONDITIONING SYSTEM AND  
OTHER MISC& CIVIL WORK AT TOP FLOOR, FRSL  
PREMISES, INDIRAPURAM, DISTT GHAZIABADPART – A – TEMPORARY LGSF BASED INFRASTRUCTURE  
AND ALLIED CIVIL AND MISC WORK

Sl. No.	Description of work	Tenta- tive Qty	Unit Rate (in Rs.)	Total Amount (in Rs.)
1	<p><b>Superstructure</b> : Designing, fabricating, supplying &amp; erection at site ( Roof top level i.e. upto 20 meter height ) of pre engineered / prefabricated light weight single storey without staircase steel structure as follows:</p> <p>The structure shall consist of works as under:-  Structural Framework:- Fabrication and supply of the walls panels, roof trusses joists shall be all made up of roll-formed cold rolled lipped “C” steel sections of width 89mm or 150 mm made out sheet thickness ranging from 0.75mm to 1.20 mm with Zinc/Galvalume coating of 275GSM and steel yield strength of 550MPa i/c portal frame made of HR steel if required to accommodate large rooms including the base plate anchor bolts etc.  Purlin:- GI hot section/ Galvalume “C” section  Runner: Cold rolled lipped “C” steel sections shall be provided @ interval of 750 mm c/c or as per design/on site requirement for hanging of lights/ false ceiling.  Roofing:- Metal profile PPGL 0.5mm TCT in colours as approved. Roof Insulation:- 48kg/m<sup>3</sup>, minimum100mm thick Fiber glass wool with one side aluminum sheeting/film for roof insulation.  It may be noted that the Roof will have the provision of installation of Solar Panels on it as per the directions of concerned agency with suitable steel structure on top sun facing with approx 35-40° slope.</p> <p><u>External Wall Cladding</u>:- 12mm thick Heavy duty Fiber cement boards of exterior grade in first layer and</p>	770 sqm		

<p>6mm cement fibre board in 2<sup>nd</sup> layer fixed in groove pattern to conceal the joints of the first layer board. Building Paper – Breather Foil on external face of LGSF wall. Internal wall cladding:- 12 mm thick Normal fiber cement boards upto bottom of truss/joist, However the clear height of bottom of truss/joist shall not be less than 3.0 mtr from floor level. Internal Wall Lining – 12.5mm thk Gypsum Plaster board with necessary fixing with necessary screws and finishing with jointing compound and jointing tape etc.</p> <p>Wall Insulation:- 100mm thick mineral wool 48kg/m<sup>3</sup> density with aluminium sheeting/film.</p> <p>Suitable sun shades made out of minimum 0.50 mm PPGL sheets will be provided to all external windows and doors not covered under veranda. The minimum projection for the sun shade shall be 450 mm and 300 mm wider than the width of the opening. Gutter and down take pipe:- Valley Gutter and down take pipe as per Architectural and as per actual requirements.</p> <p>Finishing:- Ready to paint surface for interior &amp; exterior including Jointing &amp; a coat of cement primer Soffit and Eaves or equivalent Lining :- External Soffit and Eaves Lining with Fiber cement Boards. All civil work upto plinth level/Roof top level where the prefabricated structure to be erected shall be paid separately as per requirement &amp; site conditions. The work shall be executed as per drawing enclosed with the NIT.</p> <p>(The outside dimensions in plan of the light gauge metal frame shall be measured for working out the area payable under this item. However, cut-out/opening shall be deducted from the above measured areas. Nothing extra shall be paid for roof projections/sunshades, or height.)</p> <p>(Note: Split up of components of this item is not permitted, all relevant works/items shall be of specialized LGSF original manufacturer like Everest or equivalent)</p> <p><b>The above work includes removal / shifting of all services existing on the relevant area as per the instruction of officer – in –charge.</b></p>			

2	<b>CIVIL WORK:</b> Excavation of Base Work on terrace & back filling of available excavated area with demolition of any RCC/Brick wall.	700 sqm		
3	Providing RCC Plinth beam of 150x300mm with nominal reinforcement of 8mm TMT bars & M20 concrete for fixing of LGSF wall by means of anchor fastener. 8mm rings and 12mm main bars	16 Cum		
4	Providing & laying in position cement concrete in floor 1:3:6 (1 Cement: 3 Coarse Sand : 6 Graded Stone Aggregate 20mm Nominal size) 75mm thick. With Water Proofing	20 cum		
5	Plinth beam edge Protection of average 50mm thick 1:5:10 and 300mm in width (Sloping from 3 inches to 1 inch)	10cum		
6	<b>Flooring (Dry Area):</b> Floor tiles and skirting <b>upto 150mm</b> height in general & dry areas shall be of Vitrified Tiles <b>800x800mm</b> of approved color laid on a bed of 20mm thick cement mortar 1:3 (1Cement:3 Coarse sand) finished with a flush pointing in tile grout with matching pigment including preparation of surface, cleaning etc complete. (Base Price – Rs. 100/Sqft) (Kajaria make)	770sqm		
7	<b>Flooring (Wet Area):</b> Toilet area - Minimum 7 mm thick antiskid tiles of Kajaria/NITCO/ make approved equivalent of approved colour & quality.	60 sqm		
8	<b>Wall Tiling (Toilet Area):</b> Glazed Ceramic Tiles of 300x450mm or 300x300mm as available up to height of 2100mm in toilets shall be used for Dado/ wall tiles, of approved color and make, fixed on the wall with the help of adequate adhesive, finishing, cleaning etc complete. Joints to be finished with tile grout with matching pigment etc. Complete	175 sqm		
9	<b>Water Proofing (Toilet wall area):</b> Water proofing with plastomeric modified APP polymer membrane reinforced with non woven fibre in Toilet areas upto 7ft height <b>and under toilet flooring also.</b>	400 sqm		
10	<b>Internal Wall Paint :</b> Providing & applying 2 coat of Plastic Emulsion paint including a coat of primer (Asian - Ace - Apex).	2250 sqm		
11	<b>External Wall Paint :</b> Providing & applying 2 coat of Exterior weather coat with sealant and cement primer coat on external surface of fiber cement boards. (Asian)	1000 sqm		

12	<p><b>False Ceiling :</b> Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main “T” runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross “T” of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main “T” at 600 mm center to center to form a grid of 1200x600 mm and secondary cross “T” of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main “T” runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm 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. GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.</p>	450 sqm		
13	<p><b>Doors:</b> Flush doors with veneer/laminate on both sides.</p>	30 sqm		
14	<p><b>Windows:</b> Sliding/fixed/casement window shall be provided with all fitments. The window frame and window shutter will be manufactured using suitable UPVC sections. The window shutter shall be provided with glazing of 08mm thk plain glass (double glass with gap between them of approx 50mm) fixed using rubber gasket.</p>	60 sqm		

15	<b>Electricals:</b> Providing electrical work comprising of PVC Conducing, Point wiring (Havells FRLS or equivalent), Modular Switches, Sockets with boxes & respective cover plate (Havells make or equivalent) (All other fittings & fixtures in concerned officials' scope)	770 sqm		
16	Civil work : Removal of existing dome, dismantling and providing the steel girder with red stone and concrete, ceiling plaster, matching the level with existing roof. Complete as per design.	90 sqm		
17	Providing and fixing of steel frame and polycarbonate sheet over the stair case as per the design.	40 sqm		
18	Providing 20mm thick plaster of paris (gypsum anhydrous) ceiling up to height of 5m above floor level including coves & moulding as per sample approved consisting of frame work made of special sections power pressed from MS sheet with galvanized coating consisting of ceiling angle hanger of 20x20x0.5mm thick of required length 1 and fixed to ceiling with dash fastener and other end with hanging arrangement G.I channels 45x25x0.9mm, 5 nos member running to which ceiling section 0.5mm thick bottom rail of 80mm with tapered flange of 26mm each fixed with self taping screws running in a direction perpendicular to G.I channel fixed with self taping screws @ 400c/c and perimeter angle 20x20x0.5mm fixed to wall with rawl plugs @ 900mm c/c. Providing & fixing stainless steel grade 304 wire gauge with wire of dia 0.5mm mesh fixed to wedge shaped ceiling section i/c cutting & making smooth surface with scaffolding etc. all complete as per directions of Officer in charge	300 sqm		
19	Civil construction of store/toilets area on terrace floor level for toilet, raising brick walls on plinth beams over existing terrace after removing existing water proofing & brick tiles flooring, laying I-section & T-irons in 75x75x10mm with agra stone slabs and then laying RCC in 75mm average thickness with water proofing on top, inside & outside plaster, PCC under floor, required electrical works, complete with aluminium doors & windows.	50 sqm		
20	<b>Plumbing:</b> Providing Plumbing Lines in Toilets of 20mm PPR pipes with UV layer & glass coating for external water supply & 16mm Polyethylene pack pipes for Internal water supply with elbows, bends & T's	50 sqm		

	limited to the building structure only including all required elbows, bends, floor traps, complete.			
21	Raising the extra floor for lift at terrace including of dismantling wherever needed, complete repair of the shaft, water proofing in pit, support system, ladder etc complete in all aspect the existing shaft for ready to install the new lift as per their specifications and drawings.	L.S.		

**PART-B – FURNITURE, FIXTURES, INTERIOR PANELLING& MISCELLANEOUS**

S.No.	Item Description	Unit	Tentative Qty	Unit Rate (in Rs.)	Total Amount (in Rs.)
1	<p>Providing and Supplying of ergonomically designed fabric upholstered high back revolving chair for use of official's/meeting purposes. The Seat and Back Cushion of the chairs should be pressed on 12mm hot press moulded ply. The seat cushion of the chair should be made up of 50mm thick High Density of 45±2 Kg/m<sup>3</sup> polyurethane mould and back cushion should be made up of 38mm thick High Density 33±2 Kg/m<sup>3</sup>. The polyurethane foam shall be as per manufacturer's specification. The hardness of foam shall be 20 kg on hampden machine and 25% compression and it should be covered with fabric as per manufacturer's shade card. (Fabric colour shall be approved by concern official)</p> <p>The arms of the chairs should be black as per manufacturer specification. The Gas lift mechanism should be tested as per BIFMA X 05.01.2002 Standards. The tilting mechanism should be synchro-tilt mechanism as per international ergonomics standards any position locking. The pedestal should be five legged injection moulded in black 30% glass – filled nylon and fitted with 5 nos twin wheel castors. The castors of the chairs should be glass filled, twin wheel castors confirming to BIFMA Standards X 05.01.2002 tested to perform 1,00,000 cycles with 225 lbs Load. NOTE:The back and base of chair should be supplied with black polypropylene moulded covers. (Fabric colour shall be approved by concern official )Overall Height of chair should be minimum 1225 mm (Inclusive of maximum adjustment of gas lift mechanism) All material should be used of relevant ISI specification and as approved by the concerned officer.</p>	Nos	10		



2	<p><b><u>Specifications for use of official's/meeting purposes revolving chair:</u></b></p> <p>The Seat and Back Cushion of the chairs should be pressed on 12mm hot press moulded ply. The seat cushion of the chair should be made up of 50mm thick High Density of 45±2 Kg/m<sup>3</sup> polyurethane mould and back cushion should be made up of 38mm thick High Density 33±2 Kg/m<sup>3</sup>. The polyurethane foam shall be as per manufacturer's specification. The hardness of foam shall be 20 kg on hampden machine and 25% compression and it should be covered with fabric as per manufacturer's shade card. The arms of the chairs should be black .</p> <p>The Gas lift mechanism should be tested as per BIFMA X 05.01.2002 Standards. The pedestal should be five legged injection moulded in black 30% glass –filled nylon and fitted with 5 nos twin wheel castors. The castors of the chairs should be glass filled, twin wheel castors conforming to BIFMA Standards X 05.01.2002 tested to perform 1,00,000 cycles with 225 lbs Load. It should have synchro single point locking arrangement.</p> <p>Note –. The back and base of the chair should be supplied with fabric upholstered. (Fabric colour shall be approved by concern official )</p> <p>All material should be used of relevant ISI specification Overall Height of chair should be minimum 970 mm ( Inclusive of maximum adjustment of gas lift mechanism )</p> <p>All material should be of high quality used of relevant ISI specification and as approved by the concerned officer.</p>	Nos	35		
3	<p><b><u>Specifications for fixed base cushion chair for use of official's/meeting purposes :</u></b></p> <p>The back chairs for use of official's/meeting purposes shall be low back chair. The arms of the chairs should be black . The chair shall be supplied with PU moulded seat and back .The under structure should be made of tubular cantilever type MS ERW tube black powder coated. The chair shall be supplied with fabric of approved make and shade for seat and back.</p> <p>Note -The back and base of the chair should be supplied with fabric upholstered. All material should be used of relevant ISI specification The dimensions of the chairs should be as follows:</p> <p>Overall Height of chair : 890 mm max.</p> <p>The chair should be preferably the same model/alike as that of conference room chair.</p>	Nos	10		

4	<p>Providing and fixing <b>CONFERENCE ROOM Table</b> with the following specifications:-  The table is to be supplied in completely knock down conditions for assembly at site.  The construction of the main table shall be free standing structure constructed with the help of mini-fix dowels and pins.  The table should be made up of min 32mm thick MDF board with balancing laminate.  Top is finished with 0.6mm thick post forming laminate of Merino or equivalent make.  The table should have waterfall edge .The foil shall be coated with PU layer for better scratch and wear resistance.  MDF Board shall be of Interior Grade as per IS 12406 : 2003  The table connections have to be made in such a way that no gaps should be seen in between the tables.  The provision of Wire carrier shall be as per manufacturer specifications.</p> <p><b>Table shall be made in following configuration:-</b></p> <p><b>1) Conference Table 6 Seater -4 nos ( 3300 mm x 600 mm)</b>  <b>2) Conference Table 1 Seater -4 nos ( 750 mm x 600 mm)</b>  <b>Note :</b> The seating system design shall be modular / changeable as per drawing attached.</p>	Nos	01		
5	<p><b><u>Specifications for lounge sofa sets:</u></b>  Supplying one, two and three seated sofa sets of specified size and dimension . Seat rest, Back rest and Side arms assembly consists of a fabricated inner frame assembly with moulded polyurethane foam having density = <math>45 \pm 2</math> Kg./cm which provides strength as well as comfort to the sofa. The complete moulded backrest assembly is covered with a replaceable fabric upholstery cover.  <b>Three seated sofa shall have overall size of 1800L x 740 D x 740 H mm Two seated sofa shall have overall size of 1300L x 740 D x 740 H mm One seated sofa shall have overall size of 600L x 740 D x 740 H mm</b>  All material should be used of relevant ISI specification and as approved by the concerned officials.</p>	Seat	10		
6	<p><b><u>Specifications for centre table :</u></b>  The centre table should be of premium quality. It should be 0.95 cm thick float glass with high Quality teak wood framing/MS ERU high quality chrome plated framing.  Material should be used of relevant ISI specification and as approved by the concerned officer.  Approx. Size shall be - 900mm(W)x 550mm(D)x 425 mm (H) (min) NOTE: The side table &amp;centretable should be from the same model/alike.</p>	Nos	3		

7	<p><b><u>Specifications for side table :</u></b>  The centre table should be of premium quality. It should be 0.95 cm thick float glass with high Quality teak wood framing / MS ERU high quality chrome plated framing. Material should be used of relevant ISI specification and as approved by the concerned officer.</p> <p>Approx. Size shall be - 550mm (W)x 550mm(D)x 425 mm (H) (min)  NOTE: The side table &amp; centretable should be from the same model/alike.</p>	Nos	4		
8	<p><b><u>Specification for Partitions:</u></b>  Acoustically treated movable / folding wall partitions of 80mm thick partition filled with sound absorbing and damping layer ( glass wool wrapped in tissue paper) to achieve 50STC acoustic performance, with manual physical operation top and bottom seal mechanism with 1-hour fire rated. Partition having omni-directional manually operated and offer optimum room flexibility. The track system / bearing hinges enables the panels to negotiate angles and intersections and be moved to alternate locations and to be folded and stacked on both sides of the hall. The face finishes are made to coordinate wall panelling style and the surrounding decoration, Stacking methods: Two Side Stacking</p>	Sqm	40		
9	<p>Providing and fixing in position teak veneer ply paneling with appropriate and necessary dash fasteners to ensure stability. The paneling consists of 12mm commercial ply with 4mm th. teak veneer, all teak wood section / teak veneer to be melamine polished and all frame with one coat of primer and one coat of synthetic enamel paint complete in all respects asper detailed drawings and as directed by the concerned official.</p>	Sqm	300		
10	<p>Providing and fixing in position teak veneer ply paneling made out of frame work of 50 x 50mm Mirinti/champwood frame of best quality fixed to floor placed at 450/600mm (max.) c/c vertical and horizontal supported from existing wall/floor with appropriate and necessary dash fasteners to ensure stability. 50mm thick glass wool wrapped in tissue paper duly filled before ply paneling, the paneling consists of 12mm commercial ply with 4mm thick teak veneer, all teak wood section / teak veneer to be melamine polished and all frame of M.S. work to be properly welded including one coat of primer and one coat of synthetic enamel paint complete in all respects asper detailed drawings and as directed by the concerned official</p>	Sqm	100		

11	<p>Providing and Fixing Toughened Glass on wall for writing board, name board etc as per details below :-</p> <p>(i) 610mmx1220mm toughened glass for using as writing board – 01 Nos</p> <p>(ii) 610mmx1220 mm toughened glass based sign board for display of Names and tenure etc. using sticker based material as per specified nomenclature – 01 Nos</p> <p>(iii) 600mmx450mm sign board using 19mm BWR Board &amp; veneer with polish covered with toughned glass of same size using stickers/film pasted using stainless steel spacers as approved – 02 Nos</p>	Sqm	4.0		
12	Providing & fixing of Pergola in M.S. Structure work with the grid system as mentioned in drawings & design.	Kg	1800		
13	<p>Supplying and installation of modular computer work unit of minimum dimension 1200mm (W) x 600mm (D) x 760mm (H) with a 50mm thick panel on either sides of total ht 2100mm. A variation of +/-150mm either side shall be tolerable as/availability of product in mentioned makes. The work station shall be made up of 19mm BWP block board (in different thicknesses as per requirement of the design) finished in machine pressed 1.0mm laminate color as decided by the client. The side and rear, 2100mm high partition panel of 50mm width, made up of multiple layers of 12mm / 19mm block board with outer finished paneling of laminate and tackable fabric as per the drawing provided. This partition member shall have in it a hollow space to run the Data and power cables, + space for recessed switch plate as per drawing provided, the said partition panels to have partly toughened glass verticals as design elements. The tack-able fabric shall be mounted on 12mm soft board including a set of trays with it. The color and texture of laminate, fabric etc. shall be a combination (asper the design or choice of the office in charge) as decided by buyer. The unit shall have a cabinets / drawers unit as per drawing provided. The drawers shall be supported on telescopic runners of hettich / ozone equivalent make. The lower portion shall have hinged shutter doors as per drawing, with spring loaded self closing hinges of hettich or equivalent make. All the drawers, cabinets shall have a tumbler locking mechanism classic furniture pad lock with steel/ nickel finish, of godrej / doorset / harison or equivalent make. All the handles shall be S.S brushed finish and to be as per approval by buyer/ client . The flat exposed edges shall be sealed with 4mm thick teak wood lipping duly duco painted in matching colour to the laminate around. The unit shall be complete in all respect including making space &amp; provisions for electrical agency for laying of wiring (telephone, power, data and voice) in provided raceways and provisions for fixing of switch plates, switches, sockets etc. The complete unit shall be having wire managers, required accessories etc. and to be installed at</p>	Nos	30		

	3 <sup>rd</sup> and 4 <sup>th</sup> floors.				
14	Providing and fixing low height Cubical shaped Executive Work Station with approx height of 5ft and giving main work station approx size 1250 x 500mm with side table unit approx size 900x450mm with ample storage provisions as per drawing & design, the entire unit to be in 19mm thick BWP block board pasted with 1.0mm thick designer laminate, all edges to be sealed with teak wood margin duly duco painted matching to the colour& finish of the adjoining laminate, the side enclosing partition to be in 50mm thickness clayed with 1.0mm thick designer laminate, all cable & wire managers to be provided along with required electrical points, switches & sockets, computer jacks & punches, etc. All required hardware with locks & handles and channels to be used, complete in all respects and ready to use.	Nos	10		
15	Wooden Table with 1mm thickness offwhite laminated and enamel paint inside with storage for small pantry with granite / stone top thereon HxLxD = approx 800mmx900mmx450mm	Nos	02		
16	Providing and fixing blinds of MAC make & approved shades with channels & operating system complete as per direction.				
	(a) Active screen range	Sqm	25.0		
	(b) Oaken Glow ( officer cabins )	Sqm	25.0		
	(c) View Max screen	Sqm	45.0		
17	Providing & pasting imported graphic designer wall paper of 0.5mm thickness on existing walls including adhesive etc complete as per approved design by concerned officer.	Sqm	100		
18	Supply of premium chair for computer tables with overall dimension (w) 49cm (D):63.0 cm (H): 81.5 cm and seat height (SH): 44-56 CM (adjustable). The seat/back shall be made up of 1.2 cm thick hot pressed plywood, upholstered with poly viscose fabric (67% polyester + 33% Viscose), ( color and texture as decided ) or polyester bearing the weight of 330 gm/mtr for a span of 1.2 meters. The seat and back shall be made up of molded Polyurethane Foamwith PVC lipping all round. The seat (SIZE: 49.0cm. (W) x 44.0cm. (D) Should have a water fall edge and back (SIZE: 50.0cm. (W) x 49.0cm. (H) Foam shall be designed with contoured lumbar support. The one-piece armrests shall be made of black integral skin polyurethane with 50-70 “A” Hardness and reinforced with M.S. insert. The armrests shall be scratch and weather resistant. The armrests shall be fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm. thk. HR steel. The center pivot mechanism shall be designed with features: 3600 revolving type. 17° maximum tilt on pivot at center. Tilt tension adjustment. Upright locking. The bellows is 3 piece telescopic type and injection molded in black	Nos	50		

	Polypropylene. The base shall be in chrome (glossy) finish and fitted with 5 nos. twin wheel castors (castor wheel dia. 5.0cm.). The pedestal shall be of 65.0 cm. pitch center dia. (75.0 cm with castors) The twin wheel castors should be injection molded in black Nylon for trouble free movement. To be placed on 3 <sup>rd</sup> and 4 <sup>th</sup> floors at newly created office space area.				
19	Providing and Fixing toughened laminated up to 33mm thick strengthened glass in composition of two or three layers of 10mm toughened glass with two sandwiched layers of 1.52mm thick PVB laminate layer , scratch resistant, frosted and laminated composite Glass for and as part of Floor Area to cover the existing atrium but allowing the light to pass through, with strength to take load of 100kg per sqm with 33mm thickness or more of first quality which will be layed after making mild steel and frame as per design to give full strength and support keeping in mind all safety features and preventive actions as far as possible. Design of frame attached for reference. The existing fibre sheets curved shed to be demolished and a scaffolding of five floors height to be erected till the job is completely over.	Sqm	30		
20	Providing & laying matt finish terrace tiles in the front portion where lounge sitting is to be created, tiles to be layed on cement mortar giving proper rain water slope as per design.	Sqm	120		
21	Providing & fixing automatic hand dryer of make Euronics / Aircare / or equivalent good quality make with speed upto 60M/S and minimum 1200 watts power in stainless steel body, complete as per the directions of the Officer/ officer in charge.	Nos	3		
22	Providing & fixing of manual type tissue paper dispenser of Kimberley clark / Aircare or equivalent quality make in ABS body complete as per the directions of the Officer/ officer incharge.	Nos	3		
23	Providing & fixing manual push type soap dispenser of Kohler / Kimberley clark / Aircare / or equivalent quality make with capacity of 1000ml in ABS body complete as per the directions of the Officer or officer in charge.	Nos	3		
24	Providing & fixing unplastic is edpvc triple layer overhead water storage tank	Ltr	3000		

25	<p>Providing &amp; fixing 12mm thick factory made toughened glass of saint gobain or equivalent make for fixed glass partitions and/or doors in all sizes &amp; shapes with all required cuts &amp; holes for stainless steel patch &amp; lock fittings, spacers, duly edge polished and finished to use and complete in all respects including filing the gaps with silicon sealant for fixing patch fittings. Steel patch fittings, locks, handles and floor machines to be paid separately.</p> <p>a) Double cylinder floor spring (heavy duty - 90kg)</p> <p>b) Top patch fitting of Ozone / Dorma / Closma or equivalent make</p> <p>c) Bottom patch fitting with strike plate of ozone/dorma/closma or equivalent/ identical quality make</p> <p>d) Corner patch lock of ozone/ dorma / closma or equivalent make</p> <p>e) H - type or D- type handle (25 x 300mm) of safex / closma or equivalent make</p>	Sqm	50		
26	Providing & fixing solar film frosted sparkle of lummar / 3M or equivalent make on toughened glass in approved design and pattern as per the drawing supplied or as per the instructions.	Sqm	30		
27	Providing & fixing solar sun control film in brown / black / grey shade of Garware or equivalent make on toughened or plain glass as per the drawing supplied or as per the instructions of the EIC.	Sqm	90		
28	<p>Providing and fixing file / storage cabinets in sizes as per design or site requirements made up of BWP block board (of different thicknesses as/ design) finished in machine pressed laminate (colour / texture to be as decided by EIC / matching to the adjoining work stations / wood work. A variation of up to 50mm in either dimension shall be tolerable for getting the desired product in mentioned makes. The inside to be finished in 1mm thick laminate or matching to the exteriors. A-class teak wood 4mm lipping / 2mm thick taping shall be used as lipping etc. wherever required, to be polished to match same shade as laminate. Cabinets to be made as per drawing provided , with all necessary fittings and fixtures such as telescopic channels, hinges, magnetic catchers (hettich make) and handles (S.S. brushed finish) , proper locking mechanism, pad lock with steel/ nickel finish, of godrej/doorset / harison or equivalent make etc. all complete. The cabinet shall be mounted either on floor or wall using 6 - 12mm waterproof ply (duro or equivalent ) as backing with wooden anchors (gitti) placed @ 300mm c/c on wall. The item shall include making good any holes, wire managers, + fixing on wall wherever required.</p>				

	a) Having depth of up to 230mm	Sqm	20		
	b) Having depth of up to 350mm	Sqm	60		
	c) Having Depth of up to 450mm	Sqm	3		
	d) Having Depth of up to 600mm including modular stainless steel basket & fitting suitable for below counter kitchen / pantry cabinets for 5 <sup>th</sup> Floor Pantry	Sqm	10		
29	Supply and placing in position main officer desk/table of the specification of size 2100(w)mmX900(d)mmX750(h) mm.The table top shall be 18mm thick BWP ply of make century/green or equivalent only. The main table edge should be covered with the edge binding tape of matching color or as approved by the official in charge in order to enhance the work space aesthetics. The material shall be as per direction of officer in charge.	Nos	4		
30	Supply and placing in position joining table of the specification/size 1200(w)mmX600(d)mmX750(h)mm with top panel thickness of 25mm using 18mm thick BWP ply of make Century/Green or equivalent. The leg of joining table shall be of SS/Ply as per design. The material shall be as per manufacture's specifications and as per direction of officer.	Nos	4		
31	Supply and placing in position back unit of the specification/size of 2100(w)mmX470(d)mmX750(h)mm with top panel thickness using 18mm thick BWP/Board/Ply of make Century/Green or equivalent. The handles shall be of metal. The material shall be as per direction of officer.	Nos	4		
32	Supply and placing in position centre table of the specification/size 1000mmX600mmX428mm with top panel thickness of 10mm thick toughened glass. The frame work/under structure of the table shall be of wooden frame. Glass top & bottom shelves shall be metal 1.2mm sheet cut froler design fixed with understructure complete as per direction of officer	Nos	4		
33	Providing & fixing double skinned fixed partitions wall with doors or openings wherever required floor fabricated out of 65mmx50mm Champ wood frame as horizontal & vertical sections @ 450mm c/c duly coated with wood primer to be fixed with wooden plugs, fixing 12mm thick water proof ply on both sides (duro / green or equivalent make) of the partition, finally fixing 1.0mm thick laminate on both sides of the partition with adhesive of approved brand providing 1mm thick groove at all joints or wherever required as per the drawings supplied and as per the instructions EIC. Double skin partition to be raised upto a height of 1300mm from the floor and the rest of the height upto ceiling height to be enclosed with 6mm thick glass factory made duly edge polished & finished with silicon filling and all required steel patch fittings if or wherever required to hold or join each panel, the surrounding area around all glass panes to be in 35mm x 15mm thick wooden sections	Sqm	30		



	claded with 12mm ply and finally finished in matching 1.0mm thick laminate complete with all required teak beadings.				
34	Providing & fixing wall hung toilet with soft close seat and cover of size 560x365x355mm of Kohler / Jaguar or equivalent make complete as per the direction of the Officer in charge	each	6		
35	Providing & fixing Lavatory in white colour wash basin of Kohler / Jaguar or equivalent make complete as per the direction of the Officer in charge	each	6		
36	Providing & fixing PVC concealed cistern with plate 8857 fitting & fixture of Kohler / jaguar or equivalent make complete as per the direction of the Officer in charge	each	6		
37	Providing & fixing hand shower (health faucet) with metal hose & holder in polish chrome of Kohler / jaguar or equivalent make complete as per the direction of the Officer in charge	each	6		
38	Providing & fixing white vitreous wall hung urinal with concealed fitting of Kohler / jaguar or equivalent make with back inlet and valve outlet including fixing to wall suitable brackets all as per manufacturer specifications and as per the direction of the Officer in charge	each	6		
39	Providing & fixing un plasticied PVC connection pipe with brass unions 60cm length and 20mm nominal bore as per the direction of the Officer in charge.	each	10		
40	Providing & fixing anti cockroach floor drain cardinetc complete as per the directions of the concerned officer in charge	each	10		
41	Providing & fixing bottle trap of Kohler / Jaguar or equivalent make etc complete as per the directions.	each	4		
42	Providing & fixing CP single lever Lavatory faucet or single hole single lever basin mixer with lever handle without drain of Kohler / Jaguar or equivalent make complete as per the directions.	each	6		
43	Providing & fixing CP brass toilet paper holder with flap etc of Kohler / jaguar / aircare or equivalent make complete as per the directions of the Officer in charge	each	6		
44	Providing & fixing CP brass angular stop cork (angle valve) with flange for basin mixer / geyser point of Kohler / jaguar or equivalent make complete as per the directions of the Officer in charge	each	21		
45	Providing & laying PCC in average 75mm thickness to raise the floor level by 350mm and to conceal the existing exposed water supply lines on terrace after filling the concerned area with light weight foam concrete blocks to make the passage walkable .	Sqm	10		
46	Providing & fixing (12 mm thick HPL of Marino/Green or equivalent make) modular toilet / restroom cubical partition in 12mm thick marino or equivalent make compact Laminate of overall height 2100mm (including a gap of 150mm from the ground ) with door size 600mm having size as per drawing	each	6		

	attached with all accessories like SS top rail, hinge, SS privacy thumb turn occupancy indicator, coat hook, door knob, SS adjustable legs, SS - U&F channel, SS door stopper channel, SS screws & inserts (SS grade 304 satin finish) rubber door stopper lining complete as per the directions of the Officer in charge				
47	Civil construction of store area for storage purposes, raising brick walls on plinth beams over existing terrace after removing existing water proofing & brick tiles flooring, laying I-section & T-irons in 75x75x10mm with agra stone slabs and then laying RCC in 75mm average thickness with water proofing on top, inside & outside plaster, PCC under floor, required electrical works, vitrified tiles flooring, painting complete with UPVC doors & windows	Sqm	32		
48	Providing & fixing 18mm thick gang-saw cut, mirror polished, pre moulded & pre-polished, machine cut for kitchen platform, vanity counter, window sills, facias, and similar location of required size, approved shade, colour & texture layed over 20mm thick base cement mortar 1:4 9 1 cement : 4 coarse sand), joints treated with white cement, mixed matching pigment, epoxy touch ups, including rubbing, curing, moulding & polishing to edges to give high gloss finish etc complete at all levels	sqm	30		
49	Providing edge moulding to 18mm thick gang saw cut for kitchen platform, vanity counter, window sills, facias, and similar location of required size, including rubbing, moulding & polishing to edges to give high gloss finish etc complete at all levels	metre	50		
50	Providing & fixing 5mm thick looking mirror of superior quality (Modigaurd/AtulTuff/Saint Gobin make or equivalent quality) with 12mm thick commercial plywood in back of looking mirror and fixed to wooden cleats with C.P brass screws & washers complete with 50mm wide 2nd class teak wood ornamental beeding all around the mirror including polishing & fixing with teak wood plugs etc complete as per the directions.	sqm	10		
51	Providing and Fixing 35mm thick BWP flush doors cladded and pasted with 1mm designer laminate (Make Greenlam or equivalent) on either sides with 38mmx4mm thick real wood margin on all sides fixed with new hinges, push button round locks in stainless steel finish and all other required hardwares viz door closer etc; all complete ready to use	Sqm	32		
52	SITC of 36 watts LED down lighter of size 600x600mm direct in the false ceiling recessed type including testing & commissioning complete as required (Phillips/Leolux/wipro/Max or equivalent make) as per design	Each	40		
53	Supply, Installation, Testing & commissioning (SITC) of up to 300mm plastic body fresh air fan (make Crompton/Havells or equivalent) in the existing opening i/c making the hole to suit the size of the above fan making good the damages connection,	Each	6		

	testing , commissioning etc. as reqd.				
54	Supply and fixing of compact type mirror light fitting suitable for energy efficient 12 watt LED lamp along with all accessories i/c S/F 1 No 7 watt LED lamp directly on wall connection etc as reqd.	Each	6		
55	Supply, Installation, Testing and Commissioning (SITC) of Garden Bollard decorative luminaire Light with 1x 7 watt LED lamp on the existing foundation i/c S/F of 1 No 7 W LED lamp i/c connection with 1.5 Sqmm FRLS PVC insulated ,copper conductor ,single core cable etc as reqd	Each	6		
56	SITC of 15 watt LED type Down Lighter fitting direct in the false ceiling (Recessed) type i/c testing commissioning and connection etc complete as required (Phillips/Leolux/wipro/Max or equivalent make) up to 150mm in size whether round or square as per design	Each	100		
57	SITC of ceiling fan, including wiring the down rods of standard length (upto 30 cm) fan sweep size 48" in plain white colour and plain standard design of standard brands like Crompton / Khaitan / Bajaj/ Usha or equivalent make as required.	Each	12		
58	SITC of essential LED tube Fitting 4' 20w/840 T8 1nd 1200 on surface or cove i/c connection etc as required (Philips/Leolux/Wipro/Max or equivalent make) of 18 watt LED tube.	Each	15		
59	SITC of Profile LED light fitting in 18mm x 15mm aluminium channels fitted with LED bulbs upto 100pc in each running meter length with SMPS of up to 120 watts max as required in wooden or POP false ceiling.	Mtr	20		
60	SITC of designer hanging lights above conference table in the main conference room / hall of maximum size up to 750mm x 200mm x 200mm fabricated out of fabric or glass on MS powder coated round or square bar frame fitted with CFL or LED bulbs as per design.	Each	6		

**PART-C FOR VRF AIRCONDITIONING SYSTEM**

S.No.	Item Description	Unit	Tentative Qty	Unit Rate (in Rs.)	Total Amount (in Rs.)
<b>1 (A)</b>	<b><u>Supply of Variable Refrigerant Flow System</u></b>				
	Supply of Modular type outdoor units (Make Hitachi/Mitsubishi only) equipped with highly efficient scroll / twin rotary compressors along with motor and drive arrangement, initial charge of refrigerant (R-410A) and oil, initial refrigerant piping expansion valve (if any), drier, sight glass, high-low pressure cut-out, thermostatic control, supports for condenser unit etc. Air cooled condenser & its controller as described below of following actual capacities. ODU's have at least two compressors so as to have minimum half unit capacity running even in case of failure of one compressor. (Any variation in capacity mentioned below due to any reason shall be adjusted on prorata per HP basis whichever is lower)				
	44 HP Heat Pump Type- Top Discharge- 100 % INVERTER	Nos	1		
	36 HP Heat Pump Type- Top Discharge- 100 % INVERTER	Nos	1		
<b>2 (B)</b>	<b><u>INDOOR UNIT</u></b>				
	Supply of Indoor units address setting and capacity as mentioned below. Multi-speed motor, coil section with DX coil, outer cabinet, drain pan mechanism insulation, pipe connections etc of various capacities.				
<b>Part B-i</b>	<b>4 way cassette with wired/corded remote</b>				
B-i	1.6 TR/2.0 HP	Nos	6		
B-ii	2.65 TR/3.0 HP	Nos	10		
B-iii	3.2 TR/4.0 HP	Nos	9		
	<b>Hi-Wall Type</b>				
B-iv	1.6 TR/2.0 HP	Nos	5		
B-v	1.0 TR/1.3 HP	Nos	5		
B-vi	Corded Remotes	Nos	25		
B-vii	Cordless Remotes	Nos	10		

<b>C</b>	<b>Y-Joints</b>		Nos	35		
<b>D</b>	<b>Freight, Loading &amp; Unloading</b>					
<b>1</b>	<b>Installation of Variable Refrigerant Flow System</b>					
<b>Part-A</b>						
	Installation, Testing and commissioning (duly certified through OEM) of Modular type outdoor units equipped with highly efficient scroll / twin rotary compressors along with motor and drive arrangement, initial charge of refrigerant (R-410A) and oil, initial refrigerant piping expansion valve (if any), drier, sight glass, high-low pressure cut-out, thermostatic control, supports for condenser unit etc. Air cooled condenser & its controller as described below of following actual capacities. ODU's have at least two compressors so as to have minimum half unit capacity running even in case of failure of one compressor.					
<b>A-1</b>	<b>Installation, Testing and Commissioning Outdoor Unit</b>					
	44 HP		Nos	1		
	36 HP		Nos	1		
	<b><u>Indoor Units</u></b>					
	Installation, testing and commissioning of <b>INDOOR</b> units , address setting and capacity as mentioned below. Multispeed motor, Coil, Outer Cabinet, drain pump mechanism , pipe connections and individually controlled louver setting for cassettes.					
<b>B.1</b>	<b>Cassette Units</b>					
	2.0 HP		Nos	6		
	3.0 HP		Nos	10		
	4.0 HP		Nos	9		
<b>B.2</b>	<b>Hi-Wall Units</b>					
	Wall Mounted Split Type : 2.0 HP		Nos	5		
	Wall Mounted Split Type : 1.3 HP		Nos	5		
	Corded Remote		Nos	25		
	MS Stand for Outdoor Unit Mounting		Nos	2		
<b>2</b>	<b>Refrigerant Piping, Drain Piping and Cabling</b>					

	Supply installation testing and commissioning of Interconnecting refrigerant pipe work with (19mm/13 mm thick) closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specifications, all piping inside the room shall be properly supported with hanger.					
	41.3 ( with 19 mm Insulation )		RMT	40		
	34.9 ( with 19 mm Insulation )		RMT	40		
	28.6 ( with 19 mm Insulation )		RMT	28		
	22.2 ( with 19 mm Insulation )		RMT	28		
	19.1 ( with 19 mm Insulation )		RMT	110		
	15.9 ( with 19 mm Insulation )		RMT	250		
	12.7 ( with 19 mm Insulation )		RMT	80		
	9.5 ( with 13 mm Insulation )		RMT	170		
	6.4 ( with 13 mm Insulation )		RMT	80		
<b><u>3</u></b>	<b><u>Cable Tray</u></b>					
	Providing and fixing of GI cable tray with properly support complete with GI threaded.					
	Cable Tray for copper piping (300 mm) without cover		RMT	40		
	Cable Tray for copper piping (150 mm) without cover		RMT	40		
<b><u>4</u></b>	<b><u>Supply, installation, testing &amp; commissioning of Refnet Joints</u></b>		Nos.	35		
<b><u>5</u></b>	Providing and fixing rigid PVC piping complete with fittings, supports as per specifications and duly insulated with 6 mm thick closed cell nitrile rubber insulation.					
	32 mm dia		RMT	240		
	40mm dia		RMT	20		
<b><u>6</u></b>	Supply & fixing of control cum transmission wiring of Copper Conductor Cable alongwithConduite for looping between indoor & outdoor VRF System & to main Central remote controller system					
	2 C X 1.5 Sq mm		RMT	540		
<b><u>7</u></b>	Cassette Frames		Nos.	25		

**PART-D DETAILS OF AUDIO VISUAL EQUIPMENT/ITEMS REQUIRED**

<u>Sl No</u>	<u>Item Description</u>	<u>Qty</u>	<u>Make / Mode</u>	<u>Unit Rate</u>	<u>Total Amount (in Rs.)</u>
1	60" Inch Full HD Display with Pixel Pitch of minimum 0.693 x 0.693 mm HDMI x 3, Mini D-sub 15-pin x 1, Component Video RCA (Y, Cb/Pb, Cr/Pr) x 1, Composite Video RCA pin x 2, RCA pin (L/R) x 2, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1, USB x 1	1	Samsung/Sony/ Panasonic		
2	49-inch widescreen Full HD Display with Pixel pitch of minimum 0.490 x 0.490 mm, LED, DVI-D 24 pin x 1 (HDCP compatible), Mini D-sub 15-pin x 1*3, HDMI x 1 (1080p compatible), RS-232C x 1, 3.5 mm-diameter mini stereo jack x 2, USB x 1 (image, video, audio)*4, SD card x 1 (image, video, audio)*4	2	Samsung/Sony/ Panasonic,		
3	Wall Mount for Above Display	3	Custom		
4	Ready to use (viz Internet/Display/Video Conferencing etc Cable Cubby with minimum 1 VGA-A, HDMI, Data X 2 with 2 Power etc as per requirement	L.S.	Logic/Custom		

**PART-E Details of Outside Landscaping on Terrance Open Area**

<u>S. No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Tentative Qty</u>	<u>Unit Rate (in Rs.)</u>	<u>Total Amount (in Rs.)</u>
<b>A</b>	<b>Dismantling</b>				
1	Demolishing of Brick Work manually/ by mechanical means including disposal of unserviceable material from site & usable material to be stake at site as per direction of concerned official.	Cum	1.00		
2	Demolishing/ Chipping of Existing Stone / Tiles from floor manually/ by mechanical means including disposal of unserviceable material & usable material to be stake at site as per direction.	SQM	350.00		

3	Removal of Malba from site	truck	20.00		
<b>B</b>	<b>CC &amp; RCC Work</b>				
1	Providing and laying in position Cement Concrete 1:4:8 (1cement : 4coarse sand :8 graded stone aggregate 20mm nominal size & Coarse Sand) excluding the cost of centering and shuttering.	Cum	15.00		
2	Providing & laying Reinforced cement concrete 1 : 1.5 : 3 (1cement : 1.5coarse sand :3 graded stone aggregate 12-20mm nominal size & Coarse Sand) excluding the cost of centering and shuttering.	Cum	6.00		
3	Centering and shuttering				
	Approved Marine plywood or 3mm thick steel plate shuttering and centering for structural concrete work in locations called for including strutting, propping, bracing, bolting, wedging, casing, striking, removal etc. complete for any size, section, thickness. Props shall consist of well designed steel pipes adequately braced. The item to include centering and shuttering at all heights and levels.	Sqm	23.00		
4	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete	Kg	300.00		
a	Cold Twisted bars of grade FE-500D				
<b>C</b>	<b>Masonry Work</b>				
1	Brick work with bricks of class designation 75 in Super structure in cement mortar 1:6 (1cement:6 coarse sand of zone-II)	CUM	5.00		
2	Half brick masonry with bricks of class designation 75 in super structure above plinth level in cement mortar 1:4(1cement :4 coarse sand of zone-II)	SQM	100.00		
3	Curved Shape Half brick masonry with bricks of class designation 75 in super structure above plinth level in cement mortar 1:4(1cement :4 coarse sand of zone-II)	SQM	80.00		
4	Extra for providing and placing in position 2 Nos. 6mm dia M.S. bars at every third course of half brick masonry ( with F.P.S. bricks ).	SQM	180.00		



5	<b>Brick bat coba waterproofing</b>				
	Providing on top of slab surface cement slurry mixed with water proofing compound thereafter providing cement mortar 1:4 (1 cement : 4 coarse sand) 20mm thick with polymer based water proofing compound and layer of new half broken bricks (coba) giving gaps of 15-20mm between broken bricks, providing necessary gradient for proper flow of water and providing cement slurry with water proofing compound spread over brick bat coba in cement mortar 1:4 (1 cement : 4 coarse sand) with water proofing compound filled in gaps of broken bricks and 20mm plaster in cement mortar 1:4 (1 cement : 4 coarse sand) mixed with polymer based water proofing compound, top finished smooth with neat cement and providing rope chequers including extending the water proof plaster 300mm on vertical surfaces with necessary chasing / treating of walls including providing and making gola as per drawing etc. Average thickness of the brick bat coba to be avg. 125mm.				
	The item also include providing and making khurrahs 450mm x 450mm with average minimum thickness of 50mm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) finished with aluminum foil and 12mm cement plaster 1:3 (1 cement : 3 coarse sand). (Plan area will be measured and paid)	Sqm	50.00		
<b>D</b>	<b>Finishing Work</b>				
1	12 to 15mm cement plaster of mix ; 1:5( 1cement :5 fine sand of zone-IV ) including galvanized chicken wire mesh (24 gauge 12 mm size) to junctions of concrete and masonry work and other locations including cutting to required sizes, side laps of minimum 75 mm and fixing in position with galvanized iron wire nails, complete.	Sqm	280.00		
2	Providing and applying wall putty of approved make and quality over plastered surface to prepare the surface even and smooth complete.( Birla putty)	Sqm	130.00		

3	Providing and applying 100% heat insulating & thermal resistant, high quality, external Apex paint coating of approved make including a priming coat on the surface and applying by brush two subsequent coats of paint of approved shade, color, texture & design. The rate shall include erection of scaffolding at all levels, applying three coats at an interval of 4-6 hours between each coat etc. all complete as per the satisfaction of the orgn.	Sqm	70.00		
4	Providing and applying exterior Textured finish wall coating compact finish on external walls i/c coat of sealer and two coats of primer on plastered surface as per manufacturers specification and approved shade including scaffolding wetting and curing etc. complete all level.	Sqm	100.00		
5	Finishing with Synthetic Enamel paint ( two or more coats ) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
	On steel surface	Sqm	160.00		
<b>E</b>	<b>Flooring</b>				
1	Providing & fixing 18mm thick mirror polished, machine cut granite (as per sample approved by the Architect) in flooring and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4(1cement:4 coarse sand) with joints treated with cement, mixed with matching pigment including curing etc. complete Base price of granite to be 150/sft)	SQM	20.00		
2	Providing & fixing 18mm thick machine cut Udaipur Marble/ Yellow Jaiselmer stone (as per sample approved by the Architect) in flooring/ treads/ landings and similar locations as per approved design & drawing laid over 20mm thick base cement mortar 1:4(1cemend :4 coarse sand) with joints treated with cement, mixed with matching pigment including curing, rubbing & polishing etc. complete.	Sqm	65.00		
3	Extra for fixing Udaipur Green Marble/ Yellow Jaiselmer stone over and above corresponding basic item, in border, facia and drops or similar locations, of width up to 150mm including cleaning etc. complete.	RMT	145.00		

4	Providing & laying 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 12 mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7 mm to 10 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume, including cement slurry etc. complete :	Sqm	160.00		
5	Providing & fixing Exterior Grade floor Tile of 1st quality conforming to IS:13755 in approved color and round pattern laid on 20 mm thick cement mortar 1:4 (1cement:4 coarse sand) including providing 4-5 mm gap between two tile all around as per detail drawing etc. complete considerbasic rate Rs 150/sft ( for rounder patterns)	Sqm	70.00		
6	Providing & fixing Exterior Grade floor Tile of 1st quality conforming to IS:13755 in approved color laid on 20 mm thick cement mortar 1:4 (1cement:4 coarse sand) including providing 4-5 mm gap between two tile all around as per detail drawing etc. complete considerbasic rate Rs 90/sft	Sqm	25.00		
7	Providing & fixing Broken Tile Mosaic on Wall in approved color & pattern laid on 20 mm thick cement mortar 1:4 (1cement:4 coarse sand) including providing 4-5 mm gap between two tile all around as per detail drawing etc. complete. consider basic rate Rs 50/sft	Sqm	45.00		
8	Providing & fixing Exterior Grade wall Tile of 1st quality conforming to IS:13755 in approved color laid on 20 mm thick cement mortar 1:4 (1cement:4 coarse sand) including providing 4-5 mm gap between two tile all around as per detail drawing etc. complete consider basic rate Rs 90/sft	Sqm	50.00		
9	Providing & fixing Exterior Grade Designer Mosaic floor Tile as per approved color, shade & pattern laid on 18 mm thick cement mortar 1:4 (1cement:4 coarse sand) as per detail drawing etc. complete consider basic rate Rs 800/sft	Sqm	15.00		

10	Providing & fixing 30mm thick machine cut Sand Stone(as per sample approved by the Architect) in copping and similar locations as per approved design & drawing laid over 20mm thick base cement mortar 1:4(1cemend :4 coarse sand) with joints treated with white cement, mixed with matching pigment including curing etc. complete with edge nosing polishing etc. (Basic Rate of Stone: Rs. 90/- per Sft)	Sqm	25.00		
<b>F</b>	<b>STRUCTURE WORK</b>				
1	Supplying & Erection of Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	KG	4500.00		
<b>G</b>	<b>Plumbing &amp; Drainage</b>				
1	Providing, and fixing CPVC PIPES of Astral or Supreme having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1M spacing. This includes jointing of pipes and fittings with one steps CPVC solvent cement and testing of joints complete as per direction. Concealed work including cutting the chases and making good the walls.				
a	20mm nominal outer dia pipe	RMT	30.00		
b	25mm nominal outer dia pipe	RMT	30.00		
c	32mm nominal outer dia pipe	RMT	24.00		
d	40mm nominal outer dia pipe	RMT	18.00		
2	Providing, fixing UPVC Pipes for drainage:( including fixing of required M.S. clamps ,bends and providing lead caulked joints to pipes and fittings complete).				
a	40 mm dia soil pipe	RMT	12.00		
b	75 mm dia soil pipe	RMT	24.00		
c	110 mm dia soil pipe	RMT	10.00		
3	Providing and fixing 110mm UPVC Nahani Trap.	Nos.	6.00		
4	Providing and fixing 125mm S.S. grating over Nahani Trap.	Nos.	6.00		
5	Providing and fixing BIB COCK	Nos.	6.00		
6	Providing & Fixing CPVC Ball Valve				
a	20mm nominal outer dia pipe	Nos.	3.00		

b	25mm nominal outer dia pipe	Nos.	2.00		
c	32mm nominal outer dia pipe	Nos.	1.00		
d	40mm nominal outer dia pipe	Nos.	1.00		
<b>H</b>	<b>Electrical</b>				
1	Wiring for Light/ Fan/ 6 amp point/ 16amp point along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.				
a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Rmt	50.00		
b	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Rmt	100.00		
c	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Rmt	100.00		
d	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Rmt	10.00		
2.00	Supply and Fixing of 6 pin 16/6 amp 240 volt weather proof power switch socket switch complete with all accessories as per specifications and as required.	Nos	10		
3.00	Supplying, installation, testing and commissioning of necessary MCB's B/ C series & minimum 10kA breaking capacity, RCCB's, isolator etc. in existing distribution boards including dressing, ferruling, thumbing of wires etc. complete as per specifications and details as follows:	No.	1.00		
	<b>4 WAY TPN DB</b>				
	INCOMER :				
	1 no. 40A, FP MCB/ RCCB				
	Outgoings				
	12 Nos. 6A/10A/16A/20A/25A SP MCB's, as specified in drawings.				
	<b>Light Fixtures</b>				
1.00	LED Up- Lighters (Weather Proof)	Nos	8.00		
2.00	LED Down- Lighters (Weather Proof)	Nos.	7.00		
3.00	LED Wall Bracket Lights (Weather Proof)	Nos	12.00		
<b>I</b>	<b>Miscellaneous Work</b>				
1	Providing & fixing 32mm the seasoned Miranti wood/ Canadian Pine wood planks with necessary hardware on existing MS frame complete with coating of linscid oil.	Sqm	20.00		

**PART F (SUPPLY, INSTALLATION AND COMMISSIONING OF NEW LIFT)**

S.No.	Item/Description	Unit	Qty	Unit Rate (in Rs.)	Total Amount (in Rs.)
1.	Supply, Installation and Commissioning of New Lift with latest available technology i.e. Gearless, Machine Room Less (MRL) with capacity to carry 680 kg weight equivalent passengers with 3 stops at the minimum speed of 1 mtr per second to 1.25 mtr per second. The Lift shall be of Schindler/Mitsubishi make only. Cabin Design and Door design will be with prior approval of FSSAI. All Complete in all respects viz ARD/Independent Cabin emergency lights/fans and other standard safety features at par with any modern lift facility.	No.	01		

Total of All Above Items (i.e. PART A to F)	
Add : GST, As applicable	
Grand Total Amount	
(Amount in Words)	

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