



**F. No.20-03/GA/2018 –FSSAI (KOL)**

**FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA**  
**MINISTRY OF HEALTH AND FAMILY WELFARE**  
**3RD FLOOR, FDA BHAWAN, KOTLA ROAD,**  
**NEW DELHI-110002.**

Dated, the 7<sup>th</sup> March,2019

**TENDER NOTICE**

**INVITING BIDS FOR RENOVATION OF NFL KOLKATA AND CONSTRUCTION**  
**OF FURNISHED OFFICE ACCOMMODATION AND OTHER MISC WORK AT**  
**CFL BUILDING, KOLKATA (WEST BENGAL)**

Food Safety and Standards Authority of India (FSSAI) invites sealed Tenders from the reputed & experienced contractors for renovation of CFL Kolkata building premises and creation of fully furnished office accommodation for Eastern Region office of FSSAI in compliance of terms and conditions stipulated in the tender document.

02. The tender document is available on the FSSAI website and CPP Portal. The duly filled in Tender Document with relevant supporting documents may be submitted on or before **1<sup>st</sup> April, 2019 by 1400hrs** addressed to Asstt Director (GA), FSSAI, 3<sup>rd</sup> Floor, FDA Bhawan, Kotla Road, New Delhi 110002 along with Demand Draft/Pay Order for Rs.25,00,000/- (Rupees Twenty Five Lakhs Only) (Non-bearing interest) as Earnest Money Deposit (EMD). The Demand Draft / Pay Order towards EMD should be in favour of Senior Accounts Officer, FSSAI payable at New Delhi.

Tender document (non-transferable) containing detailed specifications, terms & conditions can also be obtained from FSSAI HQ, GA Division, 3<sup>rd</sup> Floor, FDA Bhawan, Kotla Road, New Delhi-110 002 on payment of cost of tender Rs.500/- (non-refundable) in the form of Demand Draft/Pay Order drawn on any Nationalized/Scheduled commercial Bank in favour of *Senior Accounts Officer, FSSAI*, New Delhi or in cash. Alternatively, the tender document can be downloaded from FSSAI's **website: [www.fssai.gov.in](http://www.fssai.gov.in)**. **or through CPP Portal [www.eprocure.gov.in/epublish/app](http://www.eprocure.gov.in/epublish/app)** with the payment towards cost of the tender document and submission of bid as mentioned above.

**Address for communication:** Asstt Dir (GA), Food Safety and Standards Authority of India (FSSAI), 3<sup>rd</sup> Floor, FDA Bhawan, Kotla Road, New Delhi. -110002

Assistant Director (GA)  
FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA



**F. No.20-03/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 Feb,2019

**INVITING BIDS FOR RENOVATION OF NFL KOLKATA AND CONSTRUCTION**  
**OF FURNISHED OFFICE ACCOMMODATION AND OTHER MISC WORK AT**  
**CFL BUILDING, KOLKATA (WEST BENGAL)**

1. This Request for Proposal (RFP) is divided into five Parts as follows:
  - (a) **Part I** – Contains General Information and Instructions for the Bidders about the RFP such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
  - (b) **Part II** – Contains essential details of the works/services required, such as the Technical Specifications, Delivery Period, Mode of Delivery and Consignee details.
  - (c) **Part III** – Contains Standard Conditions of RFP.
  - (d) **Part IV** – Contains Special Conditions applicable to this RFP and which will also form part of the contract with the successful Bidder.
  - (e) **Part V** – Contains Evaluation Criteria and Format for Price Bids.
2. This RFP is being issued with no financial commitment and the FSSAI reserves the right to change or vary any part thereof at any stage. FSSAI also reserves the right to withdraw the RFP, should it become necessary or considered appropriate at any stage without assigning any reason there-for.

**PART I – GENERAL INFORMATION**

1. **Last Date and Time for Depositing the Bids.** 1<sup>st</sup> April, 2019 by 1400 hrs.

The sealed Bids, both Technical and Financial should be deposited/reach by the due date and time. The responsibility to ensure this lies with the Bidder.
2. **Manner of Depositing the Bids.** Sealed Bids should be either dropped in the Tender Box earmarked for the purpose at 3<sup>rd</sup> Floor, FSSAI, FDA Bhavan, Kotla Road, New Delhi-110 002 or sent by post at the address given above so as to reach by the due date and time. Late tenders will not be considered. No responsibility will be taken for postal delay or non-delivery/ non-receipt of Bid documents.

3. **Time and Date for Opening of Bids.** Sealed Bids received by the due date / time will be opened at **1500 hrs on 01 April, 2019**. If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/ time, as intimated by the FSSAI.

4. **Location of the Tender Box:** 3<sup>rd</sup> Floor, FSSAI, FDA Bhavan, Kotla Road, New Delhi-110 002.

5. **Place for Opening of Bids.** Bids will be opened in the Conference Room, 3<sup>rd</sup> Floor, FDA Bhavan, FSSAI HQ, Kotla Road, New Delhi -110 002. The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time. *Important commercial/technical clauses quoted by Bidders will be read out in the presence of the representatives of all the Bidders.* This event will not be postponed due to non-presence of bidder's representative due to any reason. Please note that only the Technical Bid would be opened on the time and date mentioned above. The schedule for opening of Financial Bid will be intimated after acceptance of the Technical Bid. Commercial/Price Bid of only those firms will be opened, whose Technical Bids are found compliant/suitable after Technical Evaluation is done.

6. **Submission of Bids.** Bids should be forwarded by Bidders under their original memo/letter pad, inter-alia, furnishing details like GST Regn. Number, PAN Number, ESI/PF Regn numbers, Bank address with NEFT Account details, etc and complete postal & e-mail address of their office. The following aspects are to be kept in mind by firms/companies while submitting their bids:-

(a) Bids against this RFP are required to be submitted, as stated above, under a two-bid system as per the technical requirements indicated in **Part –II of this RFP**. The technical bids are to be accompanied with requisite EMD and other related supporting documents. If tender fee is not paid, an amount of Rs.500/- as Tender Fee in the form of a Bank Draft/Pay Order/Banker's Cheque drawn in favour Sr. Accounts Officer, FSSAI payable at Delhi/New Delhi will have to be deposited.

(b) Bids are to be submitted in separate sealed covers/envelopes containing sealed technical and financial bids. Bids are to be duly marked with the title as '**Technical Bid for renovation of CFL Kolkata building premises and construction of fully furnished office accommodation**' or '**Financial Bid for renovation of CFL Kolkata building premises and construction of fully furnished office accommodation**'. The Master Cover in which the Technical and Financial bids are to be enclosed needs to be labelled with the Title of RFP i.e '**Bid for renovation of CFL Kolkata building premises and construction of fully furnished office accommodation**'.

(c) Financial bids of only the technically qualified bidders would be opened/considered and no representation or contention in this regard shall be entertained.

7. **Clarification of RFP.** Bidders may seek clarifications in writing regarding this RFP document within one week of issue of RFP. FSSAI shall respond in writing to any such request for clarifications and all such clarifications shall be posted on the official website of FSSAI i.e. [www.fssai.gov.in](http://www.fssai.gov.in). It is recommended that all bidders physically inspect the venue

for the proposed work and services to get an accurate estimation of the requirements, prior to submission of their Bids.

**8. Pre-Bid Conference.** A pre bid meeting will be held on **15.03.2019 at 11 AM** in the office of Food Safety and Standards Authority of India at 3<sup>rd</sup> Floor, FDA Bhawan, Kotla Road, New Delhi -110 002, to clarify issues and to answer queries on any matter pertaining to the bid that may be raised. The bidders willing to attend the pre-bid conference are requested to inform the FSSAI beforehand in writing or through email. They may also bring their queries in writing which could also be sent through email not later than two days before the scheduled date of pre-bid meeting. The bidders are requested to examine the Qualifying and Technical requirements of the Bid Documents so as to avoid any confusion/scope of not adhering to fulfilling the required conditions and submission of supportive documents along with the bid. In case bidders choose to offer or suggest with better features/specifications/design etc; and concept/material to be used the same shall be discussed by the bidders in the pre-bid meeting and bidders shall also clearly spell out the advantages and superiority of taking such deviations, if they considered it more appropriate and necessary for betterment of the proposed work. The documentary evidence for offering such suggestions with justification shall have to be submitted to FSSAI during the pre-bid meeting. Based on FSSAI confirmation on these points, bidder will submit its offer and will not be allowed to take any further technical deviation at the time of submission of technical offer. Minutes of pre-bid conference/meeting, including the text of the queries raised and the responses/suggestions given, together with any responses prepared after the meeting, will be transmitted without delay to all purchasers of the bidding documents and/or published on fssai official website. Any changes which may become necessary as a result of pre-bid meeting may be made by the FSSAI exclusively through the issue of an addendum and not through the minutes of the pre bid meeting. **It may be noted that Non attendance at the pre bid meeting will not be a cause for disqualification of a bidder and is purely voluntary.** The maximum number of participants from an applicant, who chooses to attend the Pre-Bid Conference, shall not be more than two persons. The representatives attending the Pre-Bid Conference shall be in possession of an authority letter, duly signed by the authorised signatory of his/her Organisation.

9. During evaluation and comparison of bids, the FSSAI may, at its discretion, ask the bidder for a clarification on his bid. No post-bid clarification on the initiative of the bidder will be entertained.

10. **Validity of Bids.** The Bids should remain valid for a period of **120 days** from the last date of submission of the Bids.

11. **Earnest Money Deposit.** Bidders are required to submit Earnest Money Deposit (EMD) for amount of **Rs.25,00,000/-** (Rupees Twenty Five Lakhs Only) along with their bids. The EMD may be submitted in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque from any of the public sector banks or a private sector bank authorized to conduct government business. The EMD should be valid for a minimum period of forty five days or more from the date of last date of bid submission. EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30<sup>th</sup> day after the award of the contract. The EMD of the successful bidder would be returned, without any interest whatsoever, after the receipt of Performance Guarantee from them as provided in part-IV of this RFP. The EMD will be forfeited if the bidder withdraws or amends/impairs or derogates from the tender in any respect within the validity period of their tender.

12. **Rejection of Bids.** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected. Bids not submitted as per prescribed format will also be rejected.

## **PART II – ESSENTIAL DETAILS OF ITEMS/SERVICES REQUIRED**

**Introduction.** FSSAI, an autonomous body functioning under Ministry of Health & Family Welfare intends to renovate the premises occupied by it at CFL, Kolkata premises and also to create additional ready to use infrastructure on top floor of the Building premises located at No.3, Kyd Street, Post Park Street, Kolkata, West Bengal, 700016 with a view to have an additional office space urgently required due to the expansion of this Authority and shifting of its regional office. The renovation work will require civil works by dismantling or modifying inner walls, wherever needed as per design & utility. The wall paneling using wood and allied material, fall/false ceiling, electrical wiring etc as per layout and detailed working drawing will be provided to the selected contractor. The construction on terrace floor would be temporary in nature and no RCC (Reinforced Cement Concrete) work for roofs/walls shall be allowed and therefore the material used for construction has to be light weighted viz LGSF steel blended with aluminum rust proof structure. However, the walls & roofs would be insulated properly with at least 100mm thick glass wool as per details specified in scope/description of work. It would be an air conditioned space with ultra-modern facilities at par with international standards of creating modern fully equipped office area. The necessary preventive measures of energy saving by way of using LED lights only and for provisioning of Solar Panels on roof tops with 35-40 degree slant towards south west so as to have the ready built space/infrastructure to set up solar panels and requisite wiring for the same. The office equipment/fixtures would also be of energy efficient meeting prescribed BIS Standards. The total area available for construction is more than 650 sqm with further scope of recoupage and the proposed structure will have only approx 550 sqm covered area which may be measured as per prevailing measurement of units to around 600 sqm or so, leaving the remaining area as open for keeping firefighting equipment/water dispenser pipes/valves etc. and outdoor air-conditioning unit. The detail for the requisite construction area is mentioned in RFP and the layout plan, overall design etc; is attached as Appendix-A to this RFP.

2. The construction material shall be light weighted. The Pillars would be rust free Steel Iron blended with aluminium based and the structure shall be reinforced by a framework of metal trusses architecturally designed.

3. The selected agency will ensure the load bearing capacity and stability of the proposed structure together with its installations and furniture and fixtures and all electrical/electronic equipment, solar panels and safe to bear more than 100km wind speed.

4. Ceiling (ready to move) height should not be less than 9 ft from the usable furnished floor area with canopy for the proposed construction area giving minimum visibility from the front side of the building.

5. The edges of flooring shall be well concealed. All types of electrical wires and Telephone/AV and Internet cables to be used shall be of meeting BIS standards and 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 & standards duly cleared by designated authorities.

## **6.0 Scope / Description of Work**

6.1 FSSAI, functioning under Min of Health & Family Welfare intend to renovate and upgrade the part of building premises occupied by it at CFL, Kolkata located at 3, KYD Street, Kolkata, West Bengal. All the civil and essential supportive work like complete interior finishing, installations of ultra modern/latest available technology of VRF air-conditioning system (Cassette Type) being highly energy efficient and also Split Air-conditioners (100% inverter technology with cooling capacity only), digital audio/video system complete, Furniture and Fixtures, LED lights of different category/wattage and allied various miscellaneous jobs to make it ready to use on turn-key basis are required to be carried out by the selected agency. All types of electrical wires and Telephone/AV & internet cables to be used shall be of specification laid down in the tender document & also be in line with local rules/fire norms etc. The electrical wiring for all installations and equipment will be concealed/embedded. Furniture items are also required to be supplied and installed as per specifications given in succeeding paras in detail. Proper safety measures are to be followed while carrying out electrical/audio visual/telephone communication system/internet wiring etc as per guidelines & standards as applicable and **there should be no flaw or lack of competency/ignorance which shall not be tolerable**. In addition, on hand training centre/facility is also to be created in the adjoining area wherein the provisions for interiors, electrical, A/V (communication system) and furniture items viz Tables/Chairs etc. would be required. Few tables would be required to keep lab testing equipments of various sizes as per on site requirement as per detailed itemised work mentioned in succeeding para. It is further stated that FSSAI intends to install three new lifts with 10 passengers (680 kg weight) carrying capacity with the best available technology and quality using Gearless & Machine Room Less (MRL) system with fully functional ARD (Automatic Rescue Device) with independent battery backup. Out of these three lifts, one is against replacement of old hydraulic lift already functional and being used at the premises with 3 stops with passengers carrying load capacity of approx 340 kg. One New Lift out of total three numbers, therefore, shall be of max capacity that can be installed in the existing lift well. 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 (iv) Delhi Lift and Escalator Bill (v) Haryana Lifts and Escalator Act-2008 (vi) Kolkata Lifts and Escalators Act-1955 (vii) Fire safety regulations pertaining to lifts (viii) 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. The broad Technical Specifications are appended below for reference: -

## Technical specification

Type of lift	Passenger Lift
Number of lift required	03 Nos
Load: number of Persons	10 Passengers (680 Kg).
Rated Speed	1.5 mps
Motor Speed/specification	Approx 180 starts / hour
Elevator Duty Elevator Cycles of operation	400000 cycle per annum
Travel in meters	Approx 12 Mtrs
Number of Floors to be Served/Stops	5 Nos (Includes GF + 4 floors) maximum
Position of machinery	Directly above lift well.
(a) Type of control	Gearless Microprocessor based AC variable voltage variable frequency with MRL operation.
(b) Type of operation	Microprocessor based digital simplex selective collective without attendant with MRL operation.
(c) Potential free Contacts	Potential free contacts for each floor Position and up and down moment of the lift Shall be provided in the controller which can be used for the building automation system at later date
Car entrance door	Stainless steel (the bidder should provide other options which will be considered for better ambience).
(a) Number	2 Nos. at each floor.
(b) Type of doors	Power operated horizontal sliding – center opening
(d) Car open in front only	Yes
(e) Fire resisting rating	The landing door should have min 2 hour as per IS standard.
Lift car	
(a) Construction design	As per General specification for lift 2003 amended as on date
(b) Interior Finish	With prior approval of FSSAI concerned officials.
(i) Ceiling	Stainless Steel Sheet with design options to be approved.
(ii) Lighting	Shall be 'LED' lights with 200 lux level make Philips/Syska or equivalent established brand. Design options to be provided for approval.
(iii) Ventilation	Shall be cross flow blower fan with louver with 02 Nos fans.
Emergency supply	i. Independent Inverter backup with trickle/boost charges arrangement for at least 30 minutes with maintenance free batteries for emergency light, alarm bell and inter-com system
	ii. A separate maintenance free battery system should be provided for ARD
Door Close Safety	Full height Infrared light curtain door safety In addition to a pressure operated switch (mechanical safety switch). Door Nudging feature should be there in lift
Controller panel	The controller panel shall be of suitable steel gauge

	having vermin/Dust proof Arrangements with suitable in built ventilation system.
Signals / Buttons	Micro Led Red/yellow/Green
COP Type	Surface Mounted Partial height
COP Faceplate Material	Glossy Durably polycarbonate
COP Faceplate	Pre designed Solid Colors & Printed Pattern
COP Buttons	Round tactile Flush mounted silver mirror polished Amber/White LED
Display type	Segmented LCD/LED
Intercom System	The intercom system provided in the lift car has to be hand free type and with lifting cradle and intercom in machine room shall also be provided with direct connection at reception/security desk. Inter com of Lift shall be connected with the suitable wiring to the existing EPABX system also.
To Automatic Rescue Device	(i) ARD should monitor the normal power supply in the main controller and shall activate Rescue operations within ten seconds of normal power supply failure. It should bring the elevator to the nearest floor at a slower speed than the normal run. While proceeding to the nearest floor the elevator will detect the zone and stop. After the elevator has stopped, it automatically opens the doors and parks with door open. After the operation is completed by the ARD the elevator is automatically switched over to normal operations as soon as normal power supply resumes.
	(ii) In case the normal supply resumes during ARD in operation the elevator will continue to run in ARD mode until it reaches the nearest landing and the doors are fully opened. If normal power supply resumes when the elevator is at the landing it will automatically be switched to normal power operation.
	(iii). The lift safeties shall remain active during ARD mode of operation
	(iv). The battery capacity should be adequate so as to operate the ARD at least seven times a day. Provided the duration between usage is at least 30 minutes.
Synchronization	The Lifts to be synchronised, if technically feasible

6.2. The details of work description with estimated qty which would be required for the proposed work is given below in different parts as per category of items/services to provide clarity of work involved:



**PART-A**

Sl.No.	Description of work	Unit	Tentative Qty (in Sqm)		
			Part A	Part B	Part C
1	<p><u>Superstructure</u> : Designing, fabricating, supplying &amp; erection at site (Roof top level i.e.upto 20 metre 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:-</p> <p>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.</p> <p>Purlin:- GI hot section/ Galvalume “C” section</p> <p>Runner: Cold rolled lipped “C” steel sections shall be provided @ interval of 750 mm c/c for hanging of lights / false ceiling .</p> <p>Roofing:- Metal profile PPGL 0.5mm TCT in colours as approved</p> <p>Roof Insulation:- 16kg/m<sup>3</sup>, <b>100mm thk Fiber glass roof insulation</b></p> <p>External Wall Cladding:- 12mm thick Heavy duty Fiber cement boards of exterior grade Building Paper – Breather Foil on external face of LGSF wall + <b>6mm thick fiber cement board fixed in horizontal grooves to cover up the joints of 12mm board below.</b>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:- 50mm thick mineral wool 48kg/m<sup>3</sup> density.Suitable sun shades made out of 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</p>	sqm	600		150

	<p>the width of the opening</p> <p>Wall Insulation:- 50mm thick mineral wool 48kg/m<sup>3</sup> density.</p> <p>Suitable sun shades made out of 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.</p> <p>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</p> <p>Soffit and Eaves or equivalent Lining :- External Soffit and Eaves Lining with Fiber cement Boards.</p> <p>All civil work up to 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 in this item shall be executed by specialised LGSF OEM only)</p> <p>The above works include removal / shifting of all services existing on the relevant area as per the instruction of officer – in –charge.</p>				
2	<u>CIVIL WORK</u> : Excavation of Base Work on terrace & back filling of available excavated area with demolition of any RCC/Brick wall.	sqm	800		150
3	Providing RCC Plinth beam of <b>140 x 300mm</b> with nominal reinforcement of <b>12mm TMT bars</b> & M20 concrete for fixing of LGSF wall by means of anchor fastener.	sqm	450		300
4	Providing & laying in position cement concrete in floor 1:3:6 (1 Cement: 3 Corase Sand : 6 Graded Stone Aggregate 20mm Nominal size) 75mm thick. With Water Proofing	cum	20		10
5	Plinth beam edge Protection of average 50mm thick 1:5:10 and 300mm in width (Sloping from 3 inches to 1 inch)	cum	10		8

6	Flooring (Dry Area): Floor tiles and skirting (100 mm height) in general & dry areas shall be of Vitrified Tiles <b>up to size of 800x800mm</b> of approved color laid on a bed of <b>average 20mm</b> 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) <b>(Kajaria/Nitco/Somani or equivalent make)</b>	sqm	770	1,200	150
7	Flooring (Wet Area): Toilet area - Minimum 7 mm thick antiskid tiles of Kajaria/NITCO/ make approved equivalent of approved colour & quality. (Base Price – Rs. 60/Sqft) (Kajaria make)	sqm	60	100	30
8	Wall Tiling (Toilet Area): 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/ <b>mortar</b> , finishing, cleaning etc complete. Joints to be finished with tile grout with matching pigment etc. Complete (Base Price – Rs. 60/Sqft) <b>(Kajaria/Nitco/ equivalent make)</b>	sqm	200	350	70
9	Water Proofing <b>(Toilet wall &amp; floor area)</b> : Water proofing with blastomeric modified APP polymer membrane reinforced with non woven fibre in Toilet areas.	sqm	100	150	50
12	False Ceiling : 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	sqm	550	800	150

	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 Officer-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.				
13	Doors: Flush doors 30mm thick with 4mm thick teak ply/veneer/ 1.00mm thick laminate on both sides as the case may be, complete with all required hardware like hinges & mortice lock set.	sqm	30	60	15
14	Windows: Sliding / Casement window / Door 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 <b>0.6mm</b> toughened glass (double glass with <b>airgap</b> between them of approx 10mm) fixed using rubber gasket.	sqm	80	250	30
15	Electricals: Providing electrical work comprising of PVC Conducing, Point wiring (Havells/ <b>Polycab/Finolex</b> FRLS or equivalent), Modular Switches (Northwest or equivalent), Sockets with boxes & respective cover plate (Havells make or equivalent) (All other fittings & fixtures in concerned officials / <b>clientscope</b> ) Including Main, Sub-main <b>wiring</b> , MCCB, RCCB, 4 way TPN etc as per design and detials provided by Officer-in-charge.	sqm	600	1,200	200
16	Civil work : Dismantling of existing roof and providing the steel girder with red <b>sand</b> stone and concrete/ <b>decking sheet / checkered plate as the case may be</b> , ceiling plaster, matching the level with existing roof. Complete as per design.	sqm	-	-	150
17	Providing and fixing of steel frame as per structure drawing and <b>8-10mm</b> polycarbonate sheet as per the design.	sqm	100	-	100

18	<p>Providing 20mm thick plaster of paris (gypsum anhydrous) ceiling up to height of 5m above floor level including coves &amp; moulding as per sample approved/ <b>drawing supplied</b> 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 &amp; fixing stainless steel grade 304 wire gauge with wire of dia 0.5mm mesh fixed to wedge shaped ceiling section i/c cutting &amp; making smooth surface with scaffolding etc. all complete as per directions of Officer in charge</p>	sqm	150	400	50
19	<p>Civil construction of store/toilets area on, raising brick walls on plinth beams over existing terrace after removing existing water proofing &amp; brick tiles flooring, laying I-section &amp; T-irons in 75x75x10mm with agra stone slabs and then laying RCC in 75mm average thickness with water proofing on top, inside &amp; outside plaster, PCC under floor, required electrical works, complete with aluminum doors &amp; windows.</p>	sqm	60	-	50
20	<p>Plumbing: Providing Plumbing Lines in Toilets of 20mm PPR/<b>CPVC</b> pipes with UV layer &amp; glass coating for external water supply &amp; 16mm Polyethylene pack pipes for Internal water supply with elbows, bends &amp; T's limited to the building structure only including all required elbows, bends, floor traps, complete. (All Other <b>CP and chinaware</b> Fittings &amp; Fixtures separate)</p>	sqm	50	60	30

21	<p>Construction of two new lift shafts including lift pit, lift well and head/machine room as per the equipment requirement and specifications – including dismantling work wherever necessary, excavation, RCC work in walls &amp; floor upto the pit level, raising 9” brick walls on all four sides, laying RCC beams &amp; lintels at all door levels, water proofing inside the lift pit, required electrical work in the shaft, plaster inside &amp; outside of the walls &amp; pit, covering the lift shaft with RCC roof slab in approx. 200mm thickness with fixing of an I-section as per the lift manufacturer specifications, complete as per the design &amp; directions of the officer in charge. Making the new lift shaft for 2 lifts and machine room including of dismantling where ever needed , complete repair of the shaft area, making of water proofing in pit , support system, ladder etc complete the shaft for ready to install the lift as per there specifications and drawings as per design and drawing provided by Officer-in-Charge.</p> <p>REPLACING ONE OLD 4 PASSENGER HYDRAULIC LIFT WITH NEW LIFT</p>	2	1	0	
22	<p>Kota stone slabs 25 mm thick in tread &amp; risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.</p>	sqm	0	10	30
23	<p>Kota stone slab 25 mm thick 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).</p>	sqm	0	40	40

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

Sl.No.	Description of work	Unit	Tentative Qty		
			Part A	Part B	Part C
1	Providing and Supplying of ergonomically designed fabric upholstered high back revolving chair for Conference Room. 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)	Nos	8	8	-
	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.				
2	<p><b><u>Specifications for conference room 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</p>	Nos	35	50	-

	<p>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 confirming 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.  Note –. The back and base of the chair should be supplied with fabric upholstered. (Fabric colour shall be approved by concern official )  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 )  All material should be of high quality used of relevant ISI specification and as approved by the concerned officer.</p>				
3	<p><b><u>Specifications for fixed base cushion chair for conference room :</u></b>  The back chairs for the conference rooms and meeting rooms 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.  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:  Overall Height of chair : 890 mm max.  The chair should be preferably the same model/alike as that of conference room chair.</p>	Nos	20	20	



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 1.0mm thick Merion or Egeivalent Laminate.  The table should have soft 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.  Table shall be made in following configuration:-  1) Conference Table 6 Seater (3300 mm x 600 mm)</p>	Nos	4	4	-
	2) Conference Table 3 Seater (1800 mm x 600 mm)	Nos	2	2	-
	2) Conference Table 1 Seater (750 mm x 600 mm)	Nos	4	4	-
	<b>Note</b> : The seating system design shall be modular / changeable as per drawing attached.				
5	<p><b>Specifications for lounge sofa sets:</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.  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  All material should be used of relevant ISI specification and as approved by the concerned officials.</p>	Seat	10	10	-
6	<p><b>Specifications for centre table :</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</p>	Nos	4	4	-

	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 & centretable should be from the same model/alike.				
7	<b>Specifications for side table :</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 - 550mm (W)x 550mm(D)x 425 mm (H) (min) NOTE: The side table & centretable should be from the same model/alike.	Nos	6	6	-
8	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.	Sqm	250	350	100
9	Providing and fixing in position ply paneling with appropriate Laminate and necessary dash fasteners to ensure stability. The paneling consists of 12mm commercial ply with 1mm th. Laminate, 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.	Sqm	150	250	50
10	Providing and fixing in position teak veneer ply paneling made out of frame work of 50x50 mm 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	Sqm	80	150	30

	Providing and fixing in position ply paneling with laminate made out of frame work of 50x50 mm 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 1mm thick laminate 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 as per detailed drawings and as directed by the concerned official	Sqm	80	150	30
11	Providing and Fixing Toughened Glass on wall for writing board, name board etc; as per details below and as per the detailed working drawing :-  (i) toughened glass for using as writing board – 01 Nos (ii) toughened glass based sign board for display of Names and tenure etc. using sticker based material as per specified nomenclature – 01 Nos (iii) sign board using 19mm BWR Board & veneer with polish covered with toughned glass of same size using stickers/film pasted using stainless steel spacers as approved – 02 Nos	Sqm	4	4	2
11A	Conference Room: Acostic Panel of 12mm thickness in appropriate complete fixing and with approved color as per design and drawing	Sqm	100	200	-
12	Providing & fixing of Pergola or other design in M.S. Structure work with the grid system or single section work for structural safety as mentioned in drawings & design	Kg	1,500	3500	2,000
13	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 + -300mm 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	Nos	6	30	

	<p>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. to be installed as directed.</p>				
14	<p>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 &amp; 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&amp; finish of the adjoining laminate, the side enclosing partition to be in 50mm thickness clayed with 1.0mm thick designer laminate, all cable &amp; wire managers to be provided along with required electrical points, switches &amp; sockets, computer jacks &amp; punches, etc. All required hardware with locks &amp; handles and channels to be used, complete in all respects and ready to use.</p>	Nos	24	2	-
15	<p>Providing and fixing blinds of MAC make &amp; approved shades with channels &amp; operating system complete as per direction.</p>				
	(a) Active screen range	Sqm	25	30	10

	(b) Oaken Glow ( officer cabins )	Sqm	25	30	-
	View Max screen	Sqm	45	40	-
16	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	150	200
17	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 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 3rd and 4th floors at newly created office space area.	Nos	50	60	5
18	Providing and Fixing toughened& laminated Glassup 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	Sqm	-	-	10

	as far as possible (as per drawing issued ). 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.				
19	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	50	200
20	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	6	2
21	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	6	2
22	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	6	2
23	Providing & fixing un plastic is edpvc triple layer overhead water storage tank	Ltr	2,000	5,000	2,000
24	Providing & fixing 12mm thick factory made toughened glass of saint-go-bain or equivalent make for fixed glass partitions and/or doors in all sizes & shapes with all required cuts & holes for stainless steel patch & 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.	Sqm	60	80	20
	(a) Double cylinder floor spring (heavy duty - 90kg)	Nos/ Each	15	20	4
	(b) Top patch fitting of Ozone / Dorma / Closma or equivalent make	Nos/ Each	15	20	4
	(c) Bottom patch fitting with strike plate of ozone/dorma/closma or equivalent/ identical quality make	Nos/ Each	15	20	4
	(d) Corner patch lock of ozone/ dorma / closma or equivalent make	Nos/ Each	15	20	4
(e) H - type or D- type handle (25 x 300mm) of safex / closma or equivalent make	Nos/ Each	15	20	4	
25	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	50	50	10

26	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	20	20	10
27	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.				
	(a) Having depth of up to 230mm	Sqm	20	200	5
	(b) Having depth of up to 350mm	Sqm	60	100	5
	(c) Having Depth of up to 450mm	Sqm	3	10	5
	(d) Having Depth of up to 600mm including modular stainless steel basket & fitting suitable for below counter kitchen / pantry cabinets	Sqm	10	10	20
28	Supply and placing in position main officer desk/table of the specification of size 2100(w)mmX900(d) mmX750(h)mm +- 300 mm variation.The table top shall be 25mm thick MFC (Melamine Faced Chipboard). The main table should be of duck noise profile edge in order to enhance the work space aesthetics. The material shall be as per manufacture's specifications and as per direction of officer.	Nos	8	12	1
29	Supply and placing in position joining table of the specification/size1000(w)mmX450(d)mmX750(h) mm +- 150 mm variation with top panel thickness of 25mm using Melamine Faced Chipboard (MFC). The leg of joining table shall be of metal. The material shall be as per manufacture's	Nos	8	12	1

	specifications and as per direction of officer.				
30	Supply and placing in position back unit of the specification/size of 2100(w)mmX450(d)mm X750(h)mm +- 300 mm variation with top panel thickness of 25mm using Melamine Faced Chipboard (MFC). The door panels and all other panels should be 18 mm thick MFC (Melamine Faced Chipboard). The handles shall be of metal. The material shall be as per manufacture's specifications and as per direction of officer.	Nos	4	6	1
31	Supply and placing in position centre table of the specification/size 1000mmX600mmX428mm +- 150 mm variation 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 manufacture's specifications and as per direction of officer	Nos	4	6	2
32	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	10	2
33	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	8	2
34	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	10	2
35	Providing & fixing hand shower (health faucet) with metal hose & holder in polish crome of Kohler / jaguar or equivalent make complete as per the direction of the Officer in charge	each	6	10	2
36	Providing & fixing white vitreous wall hung urinal with concealed fitting of Kohler / jaguar or equivalent make with back inlet and valve outet including fixing to wall suitable brackets all as per manufacturer specifications and as per the direction of the Officer in charge	each	4	10	2
37	Providing & fixing unplasticied PVC connection pipe with brass unions 60cm length and 20mm nominal bore as per the direction of the Officer in charge	each	10	10	4
38	Providing & fixing anti cockroach floor drain cardinetc complete as per the directions of the concerned officer in charge	each	10	20	4
39	Providing & supplying mini fridge for storing minor soft drinks, juices or water bottles for placing inside wooden pantry cabinet	Each	1	1	-



40	Providing & fixing bottle trap of Kohler / Jaguar or equivalent make etc complete as per the directions.	each	5	10	2
41	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	8	2
42	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	10	2
43	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	20	30	6
44	Providing & fixing Stainless steel paneling in horizontal band shape all along the coridoor walls in 230mm height in SS 304 grade 22 gauge thick machine moulded on all bends fixed with adhesive on 19mm thick BWP block board duly cut in size and fixed on fastners with all exposed edges finished and fixed with 4mm teak lipping finished with wood primer before fixing SS sheet.	Mtr	10	100	10
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 between the pantry, toilets and AC plant on the terrace	Sqm	30	-	-
46	Providing & fixing Titan series 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 attached with all accesories 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	Each	6	10	2
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	Sqm	20	10	20

	aluminum doors & windows.				
48	Providing & fixing 18mm thick gang-saw cut, mirror polished, pre-polished, machine cut for kitchen platform, vanity counter, window sills, facias, and similar location of required size, approved shade, colour & texture layered 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 polishing to edges to give high gloss finish etc complete at all levels	Sqm	30	100	20
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	Mtr	30	80	20
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	10	5
51	Providing and Fixing 35mm thick BWP flush doors clad and pasted with 1mm designer laminate 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 hardware all complete ready to use	Sqm	30	50	15
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	30	50	10
53	Supply, Installation, Testing & commissioning (SITC) of up to 300mm plastic body fresh air fan in the existing opening i/c making the hole to suit the size of the above fan making good the damages connection, testing, commissioning etc. as reqd.	Each	6	6	2
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	6	2
55	Supply, fixing, Installation, Testing and Commissioning (SITC) of Garden Bollard / water proof decorative luminaire Light with 1x 7 watt LED lamp i/c S/F of 1 No 7 W LED lamp i/c connection with 1.5 Sqmm FRLS PVC insulated	Each	8	4	10

	,copper conductor ,single core cable etc as reqd				
56	SITC of 15 watt LED type Down Lighter fitting direct in the fall 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	80	120	40
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	10	30	5
58	SITC of essential LED tube Fitting 4' 20w/840 T8 1nd 1200 on surface or cove i/c connection etc required (Philips/Leolux/Wipro/Max or equivalent make) of 18 watt LED tube.	Each	100	150	10
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	40	10
60	SITC of Strip light fitting 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	30	45	15
61	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	8	10	2
62	SITC of 12- 15 watt LED type Surface Light fitting direct fixed on the existing ceiling 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	10	30	10
63	SITC of upto 36 watts LED square surface light of size 600x600mm fixed direct on the existing ceiling including testing & commissioning complete as required (Phillips/Leolux/wipro/Max or equivalent make) as per design	Each	10	30	10
64	Removal of malba by way of mechanical means and clearing the site.	Cum	10	40	10
65	Providing & applying plaster of paris punning plaster on walls average 12mm thickness with using chicken wire mesh where ever required	Sqm	150	2500	350

66	Providing & applying a coat of thinnable cement primer on walls	Sqm	150	2500	350
67	Providing 12mm thick plaster of paris (gypsum anhydrous) false ceiling up to 5M above floor level consisting of power pressed galvanized GI channel fixed with dash fastners and hanging arrangement including scaffolding complete as per direction of officer in charge	Sqm	150	400	150
68	Providing wood work (Second class teak wood) in frames of doors, windows and other frames and fixed in position with hold fast lugs or with dash fasteners of required dia & length.	Cum	1	2	1
69	Malamine polish with finish in gloss/matt of required shade over wooden surface including preparation of surface complete.	Sqm	30	50	10
70	Providing & fixing 9mm th. Accoustic panels as per design & pattern on 12mm th. Wooden plyboard fixed on 50mm x 50mm hardwood frame.	Sqm	30	30	10
71	Providing & installation of 6mm th. Loop pile carpet on steps / floor / panelling in walls	Sqm	20	30	20
72	Providing and fixing double skin partition in 12mm thick commercial ply on both side over frame work of 50mmx50mm section martini wood @600mm c/c using pink primer on the frame	Sqm	30	50	10
73	Suppling, drilling, cleaning hole in RCC & fixing HILTI make Mechanical fastener HST3 M12x 125	Each	30	300	100
74	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	Sqm	-	100	50
75	Dismantling of all toilets including all piping work, CP fittings, China wares, CI & GI pipes including the stacking of useful materials.	LS	-	-	-
76	Providing & fixing 18mm th. BWP plyboard on steps in conference/training room and similar locations complete with necessary hardware.	Sqm	50	50	-
77	Providing & fixing merine ply shuttering with struts & props in counters & lintels	Sqm	20	20	10
78	Providing & applying waterproofing treatment in toilets to the RCC slab/Retaining wall, any other horizontal & vertical concrete or brick wall	Sqm	30	80	30

	surface with three coats of tapered laid over 300 micron fibre sheet with all complete as per manufacturer's specification				
79	Panelling on walls with 47mmx45mm MS tube or 50mm x 50mm wooden baton of Mirinti wood and fixing 12mm thick commercial ply on top complete with necessary hardware	Sqm	200	350	100
80	Providing & Fixing 4mm Veneer on existing ply Partition or above wall panellings	Sqm	200	350	100
81	Providing & fixing stainless steel Sink for Pantry (910mm x 400mm) of Nirali or equivalent make including fixing angles and waste pipe complete	Each	1	1	1
82	Providing & fixing Geysers for Kitchen & toilet in 25 ltr capacity each complete including copper pipes for connection and nut bolts complete	Each	1	2	1
83	SITC profile lights of size 50mm x 75mm in class room corridor	Each	10	5	-
84	Providing & applying enamel paint over an undercoat of red oxide primer on steel / MS structure or grills etc.	Sqm	30	50	20
85	Providing and installing weatherproof electrical box on terrace for AC units	Each	4	4	2
86	Providing & Installing buzz bars in required amperage for load distribution	Each	1	2	1
89	Providing & fixing 4mm coloured lacquer glass fixed with silicon on 12mm ply panelling on walls wherever required as per design	Sqm	10	10	5
90	Latherite panelling over 12mm ply base with 50mm foam filing and stitching as per design issued in the training room area	Sqm	10	10	-
91	3D Panelling over 12mm ply base on wooden frame with cove, finished with duco paint	Sqm	10	10	-
92	Providing and fixing tiled carpets in conference hall or similar locations fixed over a layer of 3mm foam base with adhesive	Sqm	50	10	30
93	Providing and fixing MDF Jali with top finish of duco paint as per design issued	Sqm	10	-	-

	Providing & fixing Prelaminate wooden flooring With high resistance towards scratches / cigrate Burns, furniture legs in high abrasion resistance, HPL laminate surface layer, HDF core material & Compact sound block underlay in thickness upto 9mm plank size upto 1195 x 200mm in Pergo /Kronotex or equivalent make in natural touch or Matte finish AC-5 grade as per direction of eng / officer in charge	Sqm	30	100	100
	Providing & fixing modular kitchen (factory made / Machine made) kitchen cabinets of ISI marked 18mm \ Waterproof ply/board, 6mm back ply, completely Pasted with laminate of 1.00mm thickness on all sides Including carcasses & shutters complete, with self closing Spring loaded SS hinges of Hettich or equivalent make,All edges finished with edge binding tape machine pressed From all sides, kitchen cabinets to have adjustable legs, Finished with pre-polished Granite stone with moulded Edge, fixed with single bowl drain board stainless steel Sink, RO (Megna of Aqua Guard) all required stainless steel baskets & trays inside Cabinets as per design supplied or as per the directions of The Officer / officer incharge. All cabinets to be measured On the front face or finished faces upto 580mm depth.	Sqm			15
	Providing & Fixing of rubberized flooring for the Gym area with 62 mm thick and as per the drawing & detail	Sqm			50

## PART-C FOR VRF AIRCONDITIONING SYSTEM

Sl.No.	Description of work	Unit	Tentative Qty		
			Part A	Part B	Part C
<b>1 (A)</b>	<b><u>Installation of Variable Refrigerant Flow System</u></b> Supply, Installation , Testing and commissioning of Modular type outdoor units equipped with highly efficient scroll compressors. Each outdoor unit should have minimum 1 no. variable compressor up to 18 HP, 2 nos. variable compressors upto 32 HP capacity, 3nos. variable compressors up to 54 HP capacity with special heat exchanger, 20- 27 Steps speed control DC motor condenser fan , auto check function for connection error, auto address setting and in built Double Stage Oil Separation to ensure minimum oil entenchment and proper lubrication. The condensing units should be capable for outside ambient 48 Deg. C				
	48 HP Heat Pump Type- Top Discharge- 100 % INVERTER(24 HP + 24 HP)	Nos	1	2	-
	36 HP Heat Pump Type- Top Discharge- 100 % INVERTER (20 Hp + 16 HP)	Nos	1	2	1
<b>2 (B)</b>	<b><u>INDOOR UNIT</u></b> Supply , Installation , Testing and commissioning 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>	4 way cassette with wired/corded remote 6 HP Cassette	Nos	8	-	-
<b>B-ii</b>	5 HP Cassette	Nos	2	8	-
<b>B-iii</b>	4 HP Cassette	Nos	5	12	10
<b>B-iv</b>	3 HP Cassette	Nos	2	9	-
<b>B-v</b>	2.5HP Cassette	Nos	-	1	-
<b>C</b>	<b><u>Y-Joints</u></b>	Nos	19	54	9
<b>D</b>	Split 100% Cool only wall mounted Air - conditioners make Hitachi / Mitsubishi / Toshiba or equivalent with maximum energy efficient i.e 5 or more star rating with complete fitting under buy back of old one split A.C. Complete installation with supportive low side work with no hidden cost				
D-i	1.0 HP	Nos	-	2	-
D-ii	1.5 HP	Nos	4	14	-
D-iii	2.0 HP	Nos	-	4	-

D-iv	2.5 HP	Nos	-	8	-
Sl.No	Description of work	Unit	Tentative Qty		
			Part A	Part B	Part C
1	Installation of Variabe Refrigerant Flow System – Setfree				
Part-A					
	Installation Modular type Set free outdoor units equipped with highly efficient scroll compressors .Each outdoor unit should have minimum 1no.variable compressor variable compressors upto 54HP capacity with special heat exchanger, 27 Steps speed control DC motor condenser fan ,auto check function for connection error, auto address setting and in built Double Stage Oil Separation to ensure minimum oil entrachment and proper lubrication. The condensing units should be capable for outside ambient 48 Deg. C.				



## Airconditioning System's other requirements for installations

<b><u>A-1</u></b>	<b>Installation, Testing and Commissioning Outdoor Unit</b>				
	48 HP	Nos	1	2	1
	36 HP	Nos	1	2	1
	<b><u>Indoor Units</u></b>				
	Installation, testing and commissioning of SETFREE INDOOR units , address setting and capacity as mentioned below. Multispeed motor, Coil Section with DX Coil, Outer Cabinet, drain pan mechanism insulation, pipe connections, fresh air intake connector and individually controlled louver setting for cassettes and concealed unit above 3 HP having higher air quantity of 400 CFM/tr etc. of various capacities as per OEM (Hitachi) specifications.				
<b><u>B.1</u></b>	<b>Cassette Units</b>				
	<b>2.5 HP</b>	Nos.	-	1	-
	3.0 HP	Nos	2	9	-
	4.0 HP	Nos	5	12	10
	5.0 HP	Nos	2	8	-
	6.0 HP	Nos	8	-	-
<b><u>B.2</u></b>	<b>Hi-Wall Units</b>				
	Wall Mounted Split Type : 1.0 HP	Nos	-	2	-
	Wall Mounted Split Type : 1.5 HP	Nos	4	14	-
	Wall Mounted Split Type : 2.0 HP	Nos	-	4	-
	Wall Mounted Split Type : 2.5 HP	Nos	-	8	-
	Corded Remote	Nos	21	58	10
	MS Stand foe Outdoor Unit Mounting	Nos	2	4	1
<b><u>2</u></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 HITACHI STD & specifications, all piping inside the room shall be properly supported with MS hanger.				
	41.3 ( with 19 mm Insulation )	RMT	150	250	50
	34.9 ( with 19 mm Insulation )	RMT	150	250	50
	28.6 ( with 19 mm Insulation )	RMT	150	250	50
	22.2 ( with 19 mm Insulation )	RMT	150	250	50

	19.1 ( with 19 mm Insulation )	RMT	150	250	50
	15.9 ( with 19 mm Insulation )	RMT	150	400	50
	12.7 ( with 19 mm Insulation )	RMT	80	400	50
	9.5 ( with 19 mm Insulation )	RMT	150	350	50
	6.4 ( with 19 mm Insulation )	RMT	125	250	75
<b>3</b>	<b>Cable Tray</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	150	200	200
	Cable Tray for copper piping (150 mm) without cover	RMT	150	150	150
	Cable Tray (300mm) cover only 20G	RTM	R/o	-	-
	Cable Tray (150mm) cover only 20G	RMT	R/o	-	-
<b>4</b>	<b>Supply, installation, testing &amp; commissioning of Refnet Joints</b>				
<b>5</b>	Providing and fixing rigid PVC piping complete with fittings, supports as per HITACHI Standards & specifications and duly insulated with 6 mm thick closed cell nitrile rubber insulation.				
	32 mm dia	RMT	300	450	100
	40mm dia	RMT	50	150	80
<b>6</b>	Supply & fixing of control cum transmission wiring of Copper Conductor Cable alongwith Conduite for looping between indoor & outdoor VRF System & to main Central remote controller system				
	2 C X .75 Sq mm	RMT	1000	1500	550
<b>7</b>	Cassette Frames – Welding	Nos.	17	30	10

### CCTV for Creche and GYM

Sl.No.	Description of work	Make / Mode	Tentative Qty		
			Part A	Part B	Part C
<b>1</b>	CCTV Camera with DVR, wiring and around 10 Nos high resolution HD Camera which may work in night also i.e. Night vision HD Camera (bullet type / dome type) 8 Camera 2.0 MP or more with DVR and 2 TB HDD and Related Cables and Accessories	<b>Panasonic/ CP Plus/ Hikvision</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>2</b>	Supply and installation of Smart LED – 40 Inch	<b>Panasonic/ Sharp/ Sony</b>	<b>0</b>	<b>0</b>	<b>3</b>

**PART-D FOR AUDIO VISUAL EQUIPMENT/ITEMS**

Sl.No.	Description of work	Make / Mode	Tentative Qty		
			Part A	Part B	Part C
1	80" Inch Full HD Display with Pixel Pitch of minimum 0.9225 x 0.9225 mm, Max Brightness of 350 cd/m <sup>2</sup> , Contrast Ratio - 5,000 : 1, 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	Samsung/Panasonic/Sharp	1	1	-
2	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	Samsung/Panasonic, Sharp	4	4	1
3	43-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	Samsung/Panasonic/Sharp	4	4	2
3	Wall Mount for Above Display	Custom	9	9	3
4	Cable Cubby with 1 VGA-A, HDMI, Data X 2 with 2 Power	Extron/Kramer/Eisconnect	1	1	1
5	3x1 switcher with two HDMI® inputs and one VGA input, HD video scaler with HDMI output and input resolution control, Automatic input selection and automatic display control	Atlona, Crestron, Extron	1	1	1
6	4K/UHD 8-Output HDMI to HDBaseT Distribution Amplifier, HDCP 2.2 compliant, PoE (Power over Ethernet) source – remotely powers PoE-compatible receivers, Transmits RS-232, IR, and CEC control signals over HDBaseT	Atlona, Crestron, Extron	1	1	0
7	4K/UHD capability @ 60 Hz with 4:2:0 chroma subsampling, HDCP 2.2 compliant, HDBaseT receiver for HDMI®, power, and control up to 230 feet (70 meters) Remotely powered via PoE (Power over Ethernet)	Atlona, Crestron, Extron	5	5	1

	Receives RS-232, IR, and CEC control signals over HDBaseT				
6	1x4 HDMI® distribution amplifier, 4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling, plus support for HDR formats HDCP 2.2 compliant EDID management	Atlona, Crestron, Extron	0	0	1
7	Full HDVideo Conference Systems, Full HD codec, 1080HD 10x PTZ camera, 2 Full HD video outputs, supports SIP, H.323, 128 kbps-6.0 Mbps, supports H.264 High profile,H.264 Baseline Profile,H.263, Multiple Language supported, Do not disturb mode, Video mute, Picture-in-picture, built in 4 way multipoint, 1 year Warranty	Clearone, Cisco, Panasonic	1	1	1
8	Boundary Microphone (half-cardioid) with 3-pin XLR connector, black	Beyerdynamic, Clock Audio/Sennhiezer	14	14	8
9	Digital Signal Processor, 12 balanced microphone/Line input, 12 balanced microphone/ line output, 24 bit A/D, D/A conversion, 64 bit processing core, Biult in AEC, AFC, Auto Mixer, RS232 bidirectional control, supports third party control, supports 50 preset function etc	Biamp/Crestron/Tekink	2	2	1
9	Wireless Handheld Microphone, UHF, Frequency Range 576 to 865 MHz, Electro condenser microphone, 16 selectable channel, balance XLR output, Receiving Sensitivity 90 DB ormore, Signal to noise Ratio 104 dB or more, Frequency Responce 100 Hz-15KHz	Beyerdynamic, Clock Audio/Sennhiezer	1	1	1
10	Two-channel, 350W @ 4Ω Power Amplifier	Extron, Crown, TOA	1	1	1
11	Two-way in-ceiling loudspeaker, 6.5" LF & 1" Tweeter, 8Ohm/60 Watts, 60Hz - 20KHz , White – PAIR	Apart, TOA,JBL	4	4	4
12	HDMI Cable, MIC Cable, Speaker Cables, Cat6	Beldon/Extron/Linetek	LOT	LOT	LOT
13	12U rack with front Glass, Top & bottom CRCA Steel Powder coated with one self and Power Strip and Accessories	MTS/President / Valrack	1	1	1
13	Installation Testing Commissioning and Programming of DSP	Project	1	1	1

## PART-E For Outside Landscaping on Terrance Open Area

Sl. No.	Description of work	Unit	Tentative Qty		
			Part A	Part B	Part C
<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	2	20	20
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	200	400	200
3	Removal of Malba from site	Truck	20	10	10
<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	5	10	10
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	5	10	10
4	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete Cold Twisted bars of grade FE-500D	Kg	500	2,000	3,000
<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	10	15
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	200	200
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	10	10	10
4	Extra for providing and placing in position 2 Nos. 6mm dia M.S. bars at every third coarse of half brick masonry ( with F.P.S. bricks ).	SQM	100	100	100
	<b>Brick bat coba waterproofing</b> Providing on top of slab surface cement slurry mixed with water proofing compound thereafter				

5	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	-	80	80
<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	200	500	400
10	<b>Internal Wall Paint</b> : Providing & applying 2 coat of Velvet paint including a coat of primer (Asian - Ace - Apex).	Sqm	2,250	3,500	200
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	500	2,500	250

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)	Sqm	500	2,500	250
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	500	1,500	500
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	250	500	250
<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	50	20
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	20	50	20
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	100	250	50
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	50	30	20

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	100	20	50
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	50	10	20
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	40	10	30
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	20	10	40
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	20	25
<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	3,000	1,000	2,000
<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	54	9



b	25mm nominal outer dia pipe	RMT	30	54	9
c	32mm nominal outer dia pipe	RMT	24	43	7
d	40mm nominal outer dia pipe	RMT	18	32	5
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	22	4
b	75 mm dia soil pipe	RMT	24	43	7
c	110 mm dia soil pipe	RMT	10	18	3
3	Providing and fixing 110mm UPVC Nahani Trap.	Nos.	6	11	2
4	Providing and fixing 125mm S.S. grating over Nahani Trap.	Nos.	6	11	2
5	Providing and fixing BIB COCK	Nos.	6	11	2
<b>6</b>	<b>Providing &amp; Fixing CPVC Ball Valve</b>				
a	20mm nominal outer dia pipe	Nos.	3	5	1
b	25mm nominal outer dia pipe	Nos.	2	4	1
c	32mm nominal outer dia pipe	Nos.	1	2	0
d	40mm nominal outer dia pipe	Nos.	1	2	0
<b>H</b>	<b>Miscellaneous Work</b>				
1	Providing & fixing 32mm thick seasoned Miranti wood/ Canadian Pine wood planks with necessary hardware on existing MS frame complete with coating of linscid oil.	Sqm	20	50	10

S.No.	Electrical	Unit	Tentative Qty
1	Wiring for Light point/ Fan point/ exhaust fan point/call bell point with 1.5 sq. mm FRSL PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc as required. a) Group C	Point	250
2	Wiring for twin control light point with 1.5 sq mm FRSL PVC insulated copper conductor single core cable in surface/recessed steel conduit, 2 way modular switch, modular plate. Suitable GI box and earthing the point with 1.5sq mm. FRSL PVC insulated copper conductor single core cable etc as required.	Point	12
3	Wiring for group controlled (looped) light `point/fan point/exhaust fan point/call bell point (without independent switch etc) with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit, and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc as required	point	700
4	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed Steel conduit as required a) 2x2.5 sqm mm + 1x1.5 sq mm earth wire	Meter	950
5	Wiring for circuit/ submain wiring along earth wire with the following size of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required a) 4 X 2.5 sq. mm + 1 X 2.5 sq. earth wire.	Meter	200
6	Supplying and fixing of following sized of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required . 20 mm dia.	Meter	200
7	Supplying and fixing of following sized of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required . 25 mm dia.	Meter	400
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings.	Each	100
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	80

10	Wiring for light/power plug with 2x4 sq mm FRLS PVC insulated copper conductor single core cable in surface/recessed Steel conduit alongwith 1 No.4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	Meter	1000
11	Wiring for light / power plug with 2X4 sq.mm FRLS PVC insulated copper conductor single core cable in surface. Recessed medium class PVC conduit along with 2 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	0
12	Wiring for light/power plug with 4x4 sq mm FRLS PVC insulated copper conductor single core cable in surface/recessed Steel conduit alongwith 2 No.4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	Meter	150
13	Wiring for light / power plug with 4X4 sq.mm FRLS PVC insulated copper conductor single core cable in surface. Recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	150
14	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required 2x6 sqmm + 1x6 sqmm earth wire	Meter	500
15	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required 4X6 sq.mm + 2X6 sq mm earth wire	Meter	100
16	Supplying & fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate etc. as required.	Each	100
17	Supplying and fixing suitable size GI box with modular plate and cover in front on surface of in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	Each	22
19	Supply, Installation, testing and commissioning of pre-wired, fluorecent fitting/ compact florescent fitting of all types, with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Nos.	450
20	Installation, testing and commissioning of ceiling fan, including wiring the down fods of standard length (upto 30 cm ) with 1.5 sqmm FRLS PVC insulated, copper conductor , single core cable etc as required.	Nos.	12
21	Installation of exhaust fan in the existing fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required upto 450 mm sweep.	Nos.	14

22	Suppling and fixing two module stepped type electronic fan regulator on the ecisting modular plate switch box including connections but excluding modular plate etc. as required.	Nos.	12
23	Supply of LED better suitable for conduit/surface/suspended mounting, a stand alone fixture with power consumption of maximum 41W producing lumen output of 4000 lumens or more having an integral driver with THD<10% and PF>0.9 excellent efficiency of 90 lm.W and 50000 hrs of life at L70 i.e. the lumen output of fiture reduces to 70% of its original output after 50000 hrs. Complete with all accessories etc. as reqd Make : OSRAM - Simplitz BTN ACH1200A, Philips BN 208C LED 40/CDL L1200 FR, Trilux RIDOS OT LED 4000-840 ET, Thron Propack LED 4500-840 HF.	Nos.	10
24	Supply of recessed LED light fixture of size not less than 590x 590x77 mm having minium lumen out put of 3300 lumens & maximum 43 watt, driver efficiency more than 80% , pf- more then 0.9 shall have elegant, craca powder coated housing body with high transitivity opal diffuser cover etc. The fixture shall have in built protection against over voltage, short circuit, over load and miss-wiring with high effeciency and low power- loss. The fixture shall be suitable for WHITE LIGHT (5700 -6500k), CRI >80, color light. The fixture, coplete with its driver etc as required. make philips - RC365BLED33 -5000PSU ODYH, OSRAM LUX POWER F, GE -GCR043 -56NO(42W), Zumtobel - MELLOW Light V LED (39W)	Nos.	50
25	Supply of Surface mounted LED downlighter, the powerR consumption of fixture is 15 -18 W and producing a lumen out put of 1100 lumen. The fixtur has Mid Power LED'S integrated with an efficient optical system to provide high DLOR. Construction of fixture is High Efficiency White Refelector along with High Transitive in Diffuser and CRI > 70 Complete with all accessories etc. as reqd. Make : OSRAM/ PHILIPS/GE/ ZUMTOBEL.	Nos.	80
26	Supply of recess mounted LED downlighter, the power consumption of fixture is upto 15 W and producing a lumen out put of upto 1100 lumen. The fixtur has Mid Power LED'S integrated with an efficient optical system to provide high DLOR. Construction of fixture is High Efficiency White Refelector along with High Transitive in Diffuser and CRI > 70 Complete with all accessories etc. as reqd. Make : OSRAM/ PHILIPS/GE/ ZUMTOBEL.	Nos.	400
27	Supply , Installation , Testing and Commissioning of LED street light wattage of 40-45 W IP66 with minimum system lumen output of 3400 lumenx, CCT> 5500k, CRI >70 and efficacy of minimum 85 lumen/ watt having pressure diecast aliminium ally housing, life of LED's should be 50,000 burnings hrs. Surge protection upto 4kV with heat resistant toughened glass/ polycarbonate complete with all accessories etc as required.	Nos.	6
28	Supplying of 1200mm ceiling fan BEE 5 star rating complete with down rod, blades,canopy etc but without regulator etc as required	Nos./E ach	12

29	Supply of upto 450mm sweep heavy duty exhaust fan complet with louvers etc.	Nos	14
30	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/recess, complete with tined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB/RCCB/Isolator) a) 12 Way, Double Door	Each	2
31	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, <b>415</b> volts, on surface/recess, complete with tined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc as required (But without MCB/RCCB/Isolator) a) 8 Way (4+24), Double door	Each	5
32	Supplying and Fixing following rating, double pole, 240 Volts, RCCB in the existing MCB DB complete with connections, testing and commissioning etc. as required 40 Amps	Each	2
32a	RCCB 4 pole in 40amp	Each	5
33	Supplying and Fixing following rating, double pole, 415 Volts, RCCB in the existing MCB DB complete with connections, testing and commissioning etc. as required 63 Amps	Each	2
33a	RCCB 4 pole in 63amp	Each	5
34	Supplying and Fixing 5 amps to 32 amps rating 240 Volts, C series, Miniature Circuit Breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required a) Single Pole	Each	120
35	Supply and Fixing of single pole blanking plate in the existing MCB DB complete etc as required	Each	20
36	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 required.	Nos	6
37	SITC of Profile LED light fitting in 18mm X15mm 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.	Meter	30
38	SITC of designe hanging lights above conference table in the main conference room / hall of maximum size up to 750 mm x 200mm x 200mm fabricated out kof fabric of glass on MS powder coted round o sqare bar frame fitted with CFL or LED bulbs as per design.	Each	12

39	<p>MAIN LT PANEL Fabrication, supply, installation, testing and commissioning of cubicle type floor/wall mounted L.T. panel made out of 2mm thick CRCA sheet including connection, inter-connection along with 4 strip aluminum bus bar comprising of following panel mounting switchgear etc. as required, interconnections with solid aluminum strip/ aluminium bar / suitable size of copper wire etc, as required.</p> <p>A) INCOMER 1 200A , FP MCCB, 25KA -1 NO.</p> <p>B) MEETING AND INDICATION - ON/ OFF phase indication lamps with control fuse, 1 set - Digital Ammeter 02 200amp[ with selector switch 1 no. - Digital Volt meter 0 - 440 Volt with selector switch 1 no.</p> <p>C) Bus Bar chamber four strip 200amp aluminium bus bar with heat shrinkable PVC Sleeves - 1 set OUT GOING - 63 A, TPN MCCB 16KA 4 nos. - 63 AMP, DPMCB 1no. - 6 - 32amp SP MCB 10Kg = 72 nos</p>	Set	1
40	Supplying of following sizes of XLPE insulated Aluminum conductor Armoured cable , 1.1 KV grade cables conforming to relevant IS code and TECHNICAL specifications.		
	a) 2x10 sqmm XLPE insulated Al conductor armoured cable	Meter	0
	b) 3.5x50 sq mm XLPE insulated Al, conductor armoured cable	Meter	30
	c) 3.5 X 95 sqmm. XLPE insulated Al. Conductor armoured cable	Meter	150
	d) 4X25 sqmm. XLPE insulated Al. Conductor armoured cable	Meter	30
41	Supplying of following sizes of XLPE insulated Copper conductor Armoured cable , 1.1 KV grade cables conforming to relevant IS code and TECHNICAL specifications.		
	a) 4x10 sqmm XLPE insulated CU conductor armoured cable	Meter	100
	b) 4X16 sqmm. XLPE insulated CU. Conductor armoured cable	Meter	50
42	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METEL pipe as required..		
	a) upto 35 sqmm.	Meter	0
	b) Above 35 sq mm and upto 95 mm	Meter	0
43	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of following size on wall surface as required.		
	a) upto 35 sqmm.	Meter	180
	b) Above 35 Sqmm and upto 95 sq.mm	Meter	180

44	Supplying and making indoor end terminaiton with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/ XLPE aluminium conductor cable of 1.1KV grade asn required.		
	a) 2x10sq.mm	set	0
	b) 3.5x50 sq mm	set	4
	c) 3.5 X 95 sqmm. XLPE insulated Al. Conductor armoured cable	Set	4
	d) 4 x 10 sq.mm	Set	10
	e) 4 x 16 sq.mm	set	6
	b) 4X 25 sqmm.	Set	0
	0	0	0
45	Providing and Fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with eisting surface/ recessed conduit/submain/cable as required.	Meter	300
46	Providing and Fixing 8 SWG dia Copper wire on surface or in recess for loop earthing along with eisting surface/ recessed conduit/submain/cable as required.	Meter	300
47	Earthing with G.I. Earth plate 600mmx600mmx6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc with charcoal/coke and salt as required.	Sets	6
48	Providing and Fixing 25mm x 5mm G.I. strip in 40mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc as required	Meter	150
49	Providing and Fixing 25mmx5mm G.I. strip on surface or in recess for connections etc as required	Meter	100
50	a) 1 or 2 Module (75mm x 75mm)	Each	80
	b) 4 Module (125mm x 75mm)	Each	80
	c) 8 Module (125mm x 125mm)	Each	80
51	Supplying and Fixing following modular switch/socket on the existing modular plate and switch box including connections but excluding modular plate etc as required		
	a) 5/6 A Switch	Each	500
	b) 15/16 A Switch	Each	50
	c) 3 pin 5/6 A socket outlet	Each	50
	d) 6 pin 15/16 A Socket Outlet	Each	50
	e) Telephone Socket Outlet	Each	50
	f) usb outlet /port	Each	30
52	Supply and Fixing Testing and Commissioning of Modular RJ-45 with data outlet socket with grid and cover plate in suitable size of 16 SWG GI Box	Each	50
53	Supplying and Drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed Steel/PVC conduit as required. - 1 RUN	Meter	2000

54	Supply, installation, Testing and Commissioning of FIVE star rating split type AC unit of 2.0 TR capacity working on 230 volts AC supply with OUTDOOR Unit stand copper piping upto 4 metre i.e. fixing of drain pipe making electrical connection complete etc as required ( MAKE HITACHI/O GENERAL/MITSUBISHI/TOSHIBA)	Each	2
55	Supply, installation, Testing and Commissioning of FIVE star rating split type AC unit of 1.5 TR capacity working on 230 volts AC supply with OUTDOOR Unit stand copper piping upto 4 metre i.e. fixing of drain pipe making electrical connection complete etc as required ( MAKE HITACHI/O GENERAL/MITSUBISHI/TOSHIBA)	Each	2
56	Supplying, Installation, Testing and Commissioning of Wall Mount Type 5KVA Voltage Stabilizer with input of 160-300 Volt and Output of 200-240 Volts with under voltage and high voltage cutt-off and with TDR etc. complete as reqd.	Each	22
57	Supply, Installation, Testing and Commissioning of additional referigerent copper piping of required size alongwith insulation, wiring and drain piping, complete etc. as required.	Meter	100
58	Supply of LED fittings of Philips make BY-400 LED 145 - S or equivalent in GE/Thorn/Zumtobel, Complete with all accessories etc as required	Nos	0
59	<b>SMOKE DETECTORS</b> (A) Supply, Installation, Testing and Comissioning of Intelligent Addressable, UL Listed smoke detector with base, locking etc. Make of Detectors - Notifier/ Honeywell/Jhonson Control		
	a) Above False Ceiling	Nos	50
	b) Below False Ceiling	Nos	200
	c) Heat Detectors	Nos	20
60	<b>Hooter cum Strob</b> Supply, Installation, testing and Commissioning of required power supply units to be provided for hooter cum strobe. (Instead of external power unit, providing additional power supply modules inside the panel is acceptable) Make - Notifier/Honeywell/ Jhonson Control	Nos	6
61	<b>RESPONSE INDICATORS</b> Supply, installation, testing and commissioning of Response Indicators with single LED ( Make - Notifier/Honeywell/Jhonson Control)	Nos	50
62	<b>MANUAL CALL POINT</b> Analogue addressable pull down type manual call point with address selection ( Make - Notifier/Honey well/Jhonson Control	Nos	6
63	Providing and fixing of CO2 GAS TYPE 4.5 Kg Fire Extinguisher duly ISI marked IS: 2878 complete with one meter wire breaded hose pipe with horn i/c providing suitable mounting arrangement etc. Complete as required.	Nos.	16



64	Providing and fixing of 6.0 Kg capacity ABC stored pressure type Fire Extinguisher duly ISI marked IS: 13849 with nozzle and delivery hose complet in all respect etc. Complete as required.	Nos.	16
65	Supplying and Drawing Following Sizes of FRLS PVC insulated copper conductor, 2x1.5 sqm.m armoured cable	Meter	500
66	SITC of analog addressable fire alarm control panel with battery backup and full features	Nos	3
67	Providing & fixing GI cable tray with GI threaded		
	a) Cable Tray 300mm without cover b) Cable Tray 150mm without cover c) Raceway 75mm with cover d) Raceway 150mm with cover	Nos Nos Nos Nos	50 50 100 100
68	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	20

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

S.No.	Item/Description	Unit	Qty
1.	Supply, installation and Commissioning of New Lift with latest available technology (i.e. Gearless, Machine Room Less-MRL) with capacity to carry passengers total weight of 400 kg or more with 3 stops at the speed of 1.5 Mtr per second. The Lift shall be of Schindler/Mitsubishi/OTIS make only and installed at existing well by removing the existing old hydraulic lift. 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
2.	Supply, Installation and Commissioning of New Lifts with latest available technology i.e. Gearless, Machine Room Less (MRL) with capacity to carry minimum 680 kg weight equivalent passengers with 4 stops at the speed of 1.5 mtr per second. The Lift shall be of Schindler/Mitsubishi/OTIS 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.	02
	Less : Cost of Old Hydraulic Lift (passenger capacity around 5 Nos)		

## 7.0 **Technical Bid**

Technical Bid consists of all technical details along with financial terms and conditions. This bid also covers minimum eligibility criteria and required documents as mentioned below.

*Note:-It is made clear that no part of financial bid should be reflected or disclosed in technical bid in any manner. If so found, the tender will be summarily rejected by FSSAI.*

### **Eligibility Criteria for Technical Bid:**

To be eligible to participate in the said tender enquiry, the tenderer must full-fill the following technical requirements/criteria: -

- 7.1 The Bidder must have an established permanent setup (submit company profile/details indicating location/office address with proof).
- 7.2 **Tender fees:** Cost of tender fee is Rs.500/- (non-refundable) in the form of Demand draft/Pay order drawn on any Nationalized Bank in favour of Senior Accounts Officer, FSSAI, payable at New Delhi 110002
- 7.3 **Earnest Money Deposit (EMD)/Bid Security:** Earnest Money Deposit is for Rs.25,00,000/- (Rupees Twenty Five Lakhs Only) (non-bearing interest). The EMD shall be paid in the form of demand draft/banker's cheque/Fixed Deposit Receipt/Bank Guarantee issued by a nationalized bank/Scheduled Commercial Bank in an acceptable form in favour of **Sr. Accounts Officer, FSSAI** payable at **New Delhi**. MSME registered bidders will be exempted for submission EMD.
- 7.4 Tender offers received without EMD shall be rejected straightway and will not be considered except MSME registered bidders. EMD of tendering agency who submits the sealed quotation but withdraw the same before expiry of the tender validity date may be forfeited at the discretion of FSSAI.
- 7.5 **Firm's Registration:** Bidder must be registered for Income tax/possession of PAN, GST, ESI & PPF/EPF registration. (Attach supportive document viz copy of Regn).
- 7.6 The person signing the tender document on behalf of the agency, shall attach with the tender a proper power of Attorney, duly executed, stating that he/she has the authority to bind in all the matters pertaining to the contract, including the arbitration clause.
- 7.7 The bidding firm/agency/company should be an Indian Firm/Agency/Company of Indian origin having been incorporated/in existence for the minimum period of five years as on date of tender document. (attach supportive documentary proof indicating existence date).
- 7.8 **The bidding establishments should be a registered with CPWD under composite category** (i) having authorisation to undertake project/work valuing Rs.10.00 crore

and more (i.e. financially sustained of similar categories of class-II or above of CPWD) and (ii) interested PSUs, having permanent set up/office in Delhi/New Delhi or in Kolkata (attach supporting document as proof).

7.9 The bidding firm/agency/company must have successfully done/completed in any of the government departments/organizations/foreign missions in India for works/services during the past five years with the following criteria :-

(i) Three composite works of Rs. 3 crore each or more (At least two works should be composite building works and one work can be any composite/civil/Electrical /E&M services work excluding maintenance work)

Or

(ii) Two Composite Works of building of Rs.4.5 crore each

Or

(iii) One Composite Work of Building of Rs.9 crore or more.

( Attach copies of work order in support).

The Composite work of building means Civil Building Work including at least one internal electrification and more than one of the E&M services mentioned below under one agreement:-

(i) Fire Fighting

(ii) Fire Alarm

(iii) HVAC Air Conditioning

(iv) Lift

(v) Electrical Sub Station

(vi) DG Set

(vii) Interior work

7.10 The bidding agency should have average annual turnover of Rs.7.5 Crore or more during the preceding three financial years viz 2015-2016, 2016-2017, 2017-2018.

7.11 The agency and its associated subsidiaries should not have been blacklisted by any agency or involved in any pending government investigation directly for corruption or unfair trade practices etc (Separate undertaking to be submitted by the bidder).

7.12 The bidders having past experience of carrying out supply and installation of Audio/Visual Equipment/system for conference halls/office interiors & furniture and VRF Air conditioning system along with the prescribed other works will be given preference.

7.13 Vendors should have MOU/authorisation back up with a principle technology partner (OEM – Original Equipment Manufacturer/authorised distributors/dealers) for various Audio/Visual Equipment/Items and Mitsubishi/Hitachi brands VRF Air conditioning System with capacity of 50 tons or more who covers up all technological part are only eligible to participate.

## **Desirable Criteria**

- 7.14 The bidding agency/firm/company having valid ISO certification & MSME registration will be given preference.
- 7.15 **Site visit:** The probable bidders are advised to visit the site of work to assess the proposed requirement/job of work, with advance permission of the Assistant Director (GA), FSSAI HQ, FDA Bhawan, Kotla Road, New Delhi on any working day between 1000 hrs to 1600 hrs (Monday to Friday) before submission of the bid by due date.

## **8.0 Financial Bid**

- 8.1 Financial bid should **quote Unit rate of description of goods** (in quantity) in the format, Price Bid Format at Annexure-5 enclosed, figures in Indian rupees (in words also). In-complete bids will be rejected summarily.
- 8.2 Rates quoted shall be clearly indicating all statutory duties and taxes etc. as applicable. Price quoted shall be firm and any variation in rates, prices or terms during the validity of the offer may lead to forfeiture of the EMD and in case no specific taxes are mentioned the prices quoted shall be considered as inclusive of taxes.
- 8.3 Rates for Comprehensive AMC are also to be quoted separately as per bid proforma (Part-II of Annexure-5) for VRF Air-conditioning System. However, that shall not be considered for inclusion in Contract Value for the purpose of selection. The Contract Value will be the total cost as per prescribed format (i.e. Annexure-5 Part-I).

## **9. Documents**

Bid documents may be submitted in the agency's letter head/Covering letter containing the following documents: -

Annexure – 1	:	Tender Form
Annexure – 2	:	Bidder's profile
Annexure – 3	:	Financial Status
Annexure – 4	:	Letter of authority
Annexure – 5	:	Financial Bid
Annexure – 6	:	Performance Security (Bank Guarantee)
Annexure – 7	:	Check List for Bidders

## **Part – III**

**Standard Conditions of RFP** – May be referred for standard terms of RFP

The bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract/Work Order concluded with the successful Bidder (i.e. contractor in the contract), as selected by the FSSAI. Failure to do so may result in rejection of the Bid submitted by the Bidder.

## 1. General Conditions

1.1. **Law:** The Contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.

1.2. **Effective Date of the Contract:** The contract shall come into effect on the date of signatures of both the parties on the contract (Effective Date) i.e. from the date of award of work and shall remain valid until the completion of the obligations of the parties under the contract. The deliveries and supplies and performance of the services shall commence from the effective date of the contract. **(All the specified works and services, supply of items etc; shall be completed within 180 Days from the date of effective date of contract.)**

1.3. **Penalty for use of Undue influence:** The Seller/selected bidder undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favour or disfavour to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer i.e. FSSAI to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/ penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

1.4. **Access to Books of Accounts:** In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Seller, on a specific request of the Buyer, shall provide necessary information/ inspection of the relevant financial documents/information.

1.5. **Non-disclosure of Contract documents:** Except with the written consent of the Buyer/ Seller, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party except where required by the law of the land.

1.6. **Liquidated Damages:** In the event of the Seller's failure to submit the Bonds, Guarantees and Documents, supply the goods/items/services and conduct trials, installation of equipment, training, etc as specified in this contract, the Buyer may, at his discretion, withhold any payment until the completion of the contract. The BUYER i.e. FSSAI may also deduct from the SELLER/Selected Bidder as agreed, liquidated damages to the sum of 0.5%

of the contract price of the delayed/undelivered stores/services mentioned above for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than 10% of the value of delayed stores/works/services.

1.7 **Termination of Contract:** The FSSAI shall have the right to terminate this Contract in part or in full in any of the following cases:-

(a) The delivery of the material or required works and services is/are delayed for causes not attributable to Force Majeure for more than one week after the scheduled delivery/work/services.

(b) The Contractor is declared bankrupt or becomes insolvent.

(c) The completion of work is delayed due to causes of Force Majeure by more than 10 days provided Force Majeure clause is included in contract.

(d) The FSSAI has noticed that the selected agency/Contractor has utilised the services of any Indian/Foreign agent in getting this contract and paid any commission to such individual/company etc.

(e) There is undue & wilful delay in supply of required material for the work resulting delay in completion of the work by the expected schedule as agreed upon.

(f) As per decision of the Arbitration Tribunal.

(g) Non-compliance of applicable statutory obligations, as per law of land by contractor/selected firm.

2. **Notices:** Any notice required or permitted by the contract shall be written in the Hindi or English languages and may be delivered personally or may be sent by FAX or registered pre-paid mail/airmail/e-mail, addressed to the last known address of the party to whom it is sent.

3. **Transfer and Sub-letting:** The Contractor has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

4. **Patents and other Industrial Property Rights:** The prices stated in the present Contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other industrial property rights. The Contractor shall indemnify the FSSAI against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use. The Contractor shall be responsible for the completion of the supplies including spares, tools, technical literature and training aggregates irrespective of the fact of infringement of the supplies, irrespective of the fact of infringement of any or all the rights mentioned above.

5. **Amendments:** No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

## 6. **Taxes and Duties**

All bidders are to adhere to the existing GST provisions and any other tax related law of land and after award of contract any deviation or addition on this count shall not be entertained and the bidder shall be responsible for his acts and deeds.

### **Part IV – Special Conditions of RFP**

The Bidder is required to give confirmation of their acceptance of Special Conditions of the RFP mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Contractor in the Contract) as selected by the FSSAI. Failure to do so may result in rejection of Bid submitted by the Bidder.

1. **Performance Guarantee:** The Bidder will be required to furnish a Performance Guarantee by way of Bank Guarantee through a public sector bank or a private sector bank authorized to conduct government business (ICICI Bank Ltd., Axis Bank Ltd or HDFC Bank Ltd.) for a sum equal to 10% of the contract value within 15 days of receipt of the confirmed order. Performance Bank Guarantee (PBG) should be valid for 60 days beyond the date of completion of entire work. PBG may also be furnished in the form of a Bank Draft/Bankers'Cheque or Fixed Deposit Receipt if the successful bidder wish to. The specimen of PBG is given in Annexure-6 attached to this RFP. The Performance Bank Guarantee shall be considered open upon receipt by the FSSAI's Bank. In case any claims or any other contract obligations are outstanding, the selected contractor will extend the Performance Bank Guarantee as asked for by the FSSAI till such time as the Contractor settles all claims and completes all contract obligations. The Performance Bank Guarantee will be subject to encashment by the FSSAI and shall be refunded after successful discharging of all obligations relating to the contract. In case the conditions regarding adherence to delivery schedule, settlement of claims and other provisions of the contract are not fulfilled by the Contractor, the same would be adjusted from the available PBG.

2. **Option Clause:** The contract will have an Option Clause, wherein the FSSAI can exercise an option to procure an additional 50% of the original contracted quantity in accordance with the same terms& conditions of the present contract. This will be applicable within the currency of contract. The Bidder is to confirm the acceptance of the same for inclusion in the contract. It will be entirely the discretion of the FSSAI to exercise this option or not.

3. **Repeat Order Clause** – The contract will have a Repeat Order Clause, wherein the FSSAI can order upto 50% quantity of the items under the present contract within six months from the date of supply/successful completion of this contract, the cost, terms & conditions remaining the same. The Bidder is to confirm acceptance of this clause. It will be entirely the discretion of the FSSAI to place the Repeat order or not.

4. **Tolerance Clause** – To take care of any change in the requirement during the period starting from issue of RFP till placement of the contract, FSSAI reserves the right to 20% plus/minus increase or decrease the quantity of the required goods upto that limit without any change in the terms & conditions and prices quoted by the Contractor. While awarding the

contract, the quantity ordered can be increased or decreased by the FSSAI within this tolerance limit.

5. Failure of the successful bidder to comply with any of the requirements of above clauses shall constitute sufficient grounds for the annulment of the award and forfeiture of Bid Security.

6. **Payment Terms** : The payment to the selected Contractor will be made as per following schedule: -

(a) 15% Advance of total cost- against submission of Bank Guarantee or Fixed Deposit in favour of Sr. Accounts Officer, FSSAI of an equivalent amount. This will be in addition to PBG @10% of the contract value.

(b) 35% Advance of the total cost – after completion of approx 50% work as per given specifications/details within the stipulated time frame and to the satisfaction of buyer i.e. FSSAI. The 15% advance bank guarantee/Fixed Deposit/DD will also be released/returned after making payment.

(c) Balance 50% -On completion of entire works and Services/infrastructure as specified and removal of all items/leftovers from site subject to satisfaction of Head (GA & Legal), FSSAI and/or Dir/Jt Dir or Dy Dir (ERO), Kolkata)/or AD(GA), FSSAI HQ. However, the selected agency shall be required to submit an indemnity bond on Rs.100/- e-stamp paper giving undertaking/guarantee for providing assurance on the entire works/services/supplied items etc, done under this RFP for a period of one year from the date of submission of final bill. In addition a sum equivalent to 1% of the total contract value shall be remitted in favour of Sr Accounts Officer, FSSAI in the form of Bank Guarantee/Demand Draft/Fixed Deposit as token of support for the guarantee period. In case the selected agency fails to discharge its committed liability for any reason, the defect will be removed by FSSAI on its own and the amount deposited shall be forfeited in addition to Legal Course of affairs as per law of land against the Indemnity submitted.

7. **Paying Authority:**

Paying Authority will be Accounts Division, FSSAI, 3<sup>rd</sup> Floor, FDA Bhavan, New Delhi-110 002. The payment of bills will be made on submission of the following documents by the selected Contractor along with the bill:

- (i) Ink-signed copy of bill/Invoice
- (ii) Copy of Supply Order/Contract
- (iii) Job Completion Certificate
- (iv) Performance Bank Guarantee in acceptable form
- (v) Details for electronic payment viz Account holder's name, Bank name, Branch name and address, Account type, Account number, IFSC code, MICR code



## **8. FORCE MAJEURE**

- 8.1 In the event of either party being rendered unable/helpless by Force Majeure to perform any obligation required by them under the contract, the relative obligation of the party affected by such Force Majeure shall be suspended for the period during which such cause lasts. It is clarified that in case, the Force Majeure event occurs due to negligence of agency, then the provisions of this clause shall not apply.
- 8.2 Upon the occurrence of such cause and upon its termination, the party alleging that it has been rendered unable/helpless as aforesaid thereby, shall notify to the other party in writing within 07 (Seven) days of the alleged beginning and ending thereof giving full particulars and satisfactory proof. If deliveries are suspended under Force Majeure conditions lasting for more than 2 (two) months, FSSAI shall have the option of cancelling this contract in whole or part at its discretion without any liability on its part.

## **9. APPLICABLE LAW AND JURISDICTION**

All matters connected with this work shall be governed by the Indian law both substantive and procedural, for the time being in force and shall be subject to the exclusive jurisdiction of Indian Courts at Delhi and/or Mumbai.

## **10. Other Conditions/Guidelines**

Miscellaneous jobs/works to be carried out during the currency of contract :-

- (a) All the material used for temporary construction for creation of vertical structure for usage of FSSAI shall be of international standard and safe to use.
- (b) All electrical cables/connectors/switchboards panel, switches, sockets, telephone/fax/Internet lines will be of ISI or as per the good quality specifications/norms of well renowned make such as Havel's, Roma Modular, Anchor or equivalent and their laying will be completely covered, safe and tamper proof to avoid any chance for short-circuit/accident etc.
- (c) The routine Upkeep and Clean-up of the complete infrastructure while carrying out the construction work/renovation work shall be carried out every morning and evening so as to avoid any spreading of waste material/items/empties and construction material etc.
- (d) The Cleaning Process will be carried out by using the mechanical/electrical devices by the experienced staff and manual means should be engaged during the construction period by the selected agency.
- (e) If the performance of the selected Agency is not found satisfactory during the validity of the contract, FSSAI reserves the right to cancel the contract unilaterally at any stage and no claim of damage etc from the selected Agency will be entitled.
- (f) The actual date of commencement of work will be reckoned from the date of signing of the Agreement/acceptance of work order.
- (g) The Selected Agency would indemnify FSSAI against any loss of property or life or any kind accident, fire etc during the execution of the contract.
- (h) The bidder shall include for the provision of all labour, materials, tools, supplies, equipment, services, facilities, supervision, administration, works contract tax,

licenses, permits, insurances, bonds and any other tax/levy as may be applicable, incidentals and all other things necessary to perform and incidental to the performance of the work in strict accordance with the contract documents to the satisfaction of the Architect/ Consultants and Owner i.e. FSSAI.

11. **Statutory Conditions of the Contract(Applicable in case of Successful Bidder)**

1. The contractor shall be responsible for all commissions and omissions on part of work force engaged for the purpose conduct of the event. The FSSAI shall not be responsible in any manner whatsoever, in matter of injury/death/health etc. of the contractor's employees performing duties under this contract.

2. The contractor shall be obliged and solely responsible to comply with all statutory security requirements in respect of manpower engaged by the firm and FSSAI shall not be a party to any dispute arising out of such deployment by the contractor.

3. The work force deployed by the contractor under this contract shall be the employee of the contractor and in no circumstance shall have any claim of employment with the FSSAI.

4. **Affidavit.** An affidavit (on e-stamp paper of Rs. 10/-) is required to be submitted by the successful bidder regarding the fact that the persons employed by the contractor for the outsourcing in relation to the conduct of the proposed work/services be the employees of the bidder for all the intents and purposes and, in no case shall be a relationship of employer-employee between the said persons and the FSSAI shall accrue implicitly and explicitly and the bidder shall also be solely responsible for providing all the statutory benefit to the personnel employed by it. The affidavit should also contain a declaration that bidder shall make payment of compensation under the Workmen's Compensation Act-1923, Industrial Dispute Act-1947, Minimum Wages Act-1936, 1948 or any other applicable Acts or Enactments in case of injury or death of any of its workers while at work or otherwise due to contractors directions/any other job. The affidavit should also contain a declaration that the bidder shall take care all other statutory liabilities & obligations as well in the most sincere manner and shall solely be responsible for the same.

**Part V – Evaluation Criteria & Price Bid issues**

1. **EVALUATION CRITERIA:**

**Determination of responsiveness**

1.1 Prior to the financial evaluation of bids, FSSAI will determine whether each bid is substantially responsive to the requirement of bidding documents.

1.2 For the purpose of the above clause, the bid should conform to all the terms, conditions and specifications of the bidding documents without material deviation. A

material deviation is one which affects/limits in any substantial way the scope, quality, or performance of works and/or is inconsistent with the bidding documents.

- 1.3 Eligibility of tenderer will be based on proof of past experience, financial capability, resource availability, which should form the technical offer by fulfilling the requisite qualifying requirement as mentioned above. The technical offer of the firm would be evaluated by the Technical Evaluation Committee (TEC). The financial/commercial offers will be opened only in respect of the bidders who qualify the technical bid requirements as per the tender details.
- 1.4 No error, overwriting / correction shall be permissible unless attested under the signature of the bidder with date and seal.

## 2.0 **TECHNICAL & FINANCIAL EVALUATION.**

### 2.1 **Selection Procedure & criteria:**

The technical bid evaluation shall be done based on the following criteria:-

- (i) The responsiveness of the bid, i.e; Annexures duly filled, signed and accepted bid documents in complete form, including Authorisation letter.
  - (ii) Receipt of valid EMD & Tender Fee with requisite amount in acceptable format.
  - (iii) Documents in proof of meeting the minimum eligibility criteria.
  - (iv) Any other documents as required to support the responsiveness of the bidder as per tender.
- 2.2 A substantially responsive bid shall be the one that meets the requirements of the bidding document in totality. The technical bid not meeting the minimum requirements as per the tender documents shall be rejected and their financial bids will be returned unopened.
- 2.3 The bidder who qualifies at the technical evaluation stage shall only be called at the time of opening of financial bids. FSSAI shall intimate the bidders, the time/venue for the financial Bid opening through written and/or telephonic communication/or email.

## 3. **Evaluation of bids:**

- 3.1 The Authority may reject all the bids if these are found to be unresponsive or unsuitable either because these represent major deficiencies in complying with the tender requirements or it is perceived that substantively higher rates are quoted.
- 3.2 Validity of Tender: Tender shall be valid for acceptance for a period not less than 120 days since tender opening date.

#### **4.0 Award of Contract:**

- 4.1 FSSAI will award the contract to the tenderer whose tender has been determined to be substantially responsive.
- 4.2 By the process of evaluation of technical bids and financial bids, the Lowest Bid will be decided upon the lowest total price quoted by the particular bidder as per the Financial Bid Performa Annexed to this Tender enquiry. The successful bidder will be selected based on the overall aggregate low price. The consideration of taxes and duties in evaluation process (including those for which certificate of exemption are issued) quoted by the bidders will be considered. The ultimate total cost to the buyer would be the deciding factor for ranking of bids. All columns/guidelines of the Financial Bids shall be filled in by the bidder and no column should be left blank.
- 4.3 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 will prevail and the total price will accordingly be corrected. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.
- 4.4 The Lowest Acceptable Bid will be considered further for placement of contract/ Supply Order after complete clarification and price negotiations as decided by the Buyer i.e. FSSAI. The Buyer will also have the right to award contracts to different Bidders for being lowest in particular items, if considered appropriate/necessary. The Buyer also reserves the right to do Apportionment of Quantity, if it is convinced that Lowest Bidder is not in a position to supply full quantity in stipulated time.

Tender Form

To,

The AssttDir (GA)  
Food Safety and Standard Authority of India  
Ministry of Health & Model/alike Welfare,  
FDA Bhawan, Kotla Road,  
New Delhi-110002

Ref. Your	Tender	No. dated
_____	_____	_____

We, the undersigned have examined the above Tender Document, No. \_\_\_\_\_, dated \_\_\_\_\_(if any), (*description of the goods and services*) in conformity with your above referred document.

If our Tender is accepted, we undertake to perform the services as mentioned above.

We agree to keep our tender valid for acceptance as required in the Tender document or for subsequently extended period, if any agreed to by us. We also accordingly confirm to abide by this Tender up to the aforesaid period and this Tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this Tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred Tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Central/State Government Departments/offices.

Brief of court/legal cases pending, if any, are following:

We confirm that we fully agree to the terms and conditions specified in above mentioned Tender documents, including amendment/ corrigendum if any.

(Name and designation) Duly authorised to sign Tender for and on behalf of bidder  
with company seal

(Signature with date)

**Annexure - 2**

**BIDDER'S PROFILE:**

1.	Name of firm:	
2.	Bidder's name	
3.	Registered office address	
4.	Correspondence address	
5.	Telephone: Office – Residence Mobile No.	
6.	E-mail address & website	
7.	Tele-fax Number	
8.	GST No.	
9.	PAN Number	
10.	<b>STRUCTURE AND ORGANIZATION</b> The applicant is (a) an individual (b) a proprietary firm (c) a firm in partnership (d) a Limited Company or Corporation.  (Please attach attested copies of documents of registration / incorporation of your firm)	

I / We hereby declare that the information furnished above is true and correct.

Place:

Date:

Signature of Bidder / Authorized signatory

Name of the Bidder

.....

(Seal of the Bidder)

**FINANCIAL STATUS****Name of the Bidder**


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Description	Financial Years		
	2015-16	2016-17	2017-18
Annual Turnover			
Net Worth			
Current Assets			
Current Liabilities			
Total Revenues			
Profit Before Tax			
Profit After Tax			

1. Attach the copies of financial statements, duly certified, including all related notes and income statement for the last three Financial Years as indicated above complying with the following conditions.
2. All such documents reflect the financial situation of the bidder and not sister or parent companies.

**SIGNATURE OF THE BIDDER WITH SEAL AND DATE**

**LETTER OF AUTHORITY**

PROFORMA FOR LETTER OF AUTHORITY FOR ATTENDING MEETING.

No.

Date:

Asstt Director (GA),  
FDA Bhawan, 3<sup>rd</sup> floor,  
Kotla Road,  
New Delhi-110002

Dear Sir,

We \_\_\_\_\_ hereby authorize following representative(s) to attend Technical bid opening & Price bid opening and for any other correspondence and communication against above Bid Document:

- 1) Name & Designation \_\_\_\_\_ Signature
- 2) Name & Designation \_\_\_\_\_ Signature

We confirm that we shall be bound by all commitments made by aforementioned authorised representatives.

Yours faithfully,

Signature

Name & Designation

For and on behalf of

Note: This letter of authority should be issued by the bidder in writing & duly signed by a person competent and having the power of attorney to bind the bidder. Not more than two persons are permitted to attend Techno –commercial un-priced and Price bid opening.



**Price-Bid**

**INVITING BIDS FOR RENOVATION OF NFL KOLKATA AND CONSTRUCTION OF FURNISHED OFFICE ACCOMMODATION AND OTHER MISC WORK AT KOLKATA (WEST BENGAL)**

{Refer to Para-6.0 to 7.0 of Tender Notice and quote unit rate of description of goods (in quantity) as mentioned in Para-4 (Scope of Work) of tender Notice}.

**PART-A**

Sl.No.	Description of work	Unit	Tentative Qty (in Sqm)			Unit Rate (in Rs.)	Amount (in Rs.)	Amount (in Rs.)	Amount (in Rs.0	Total Amount (in Rs.)
			Part A	Part B	Part C					
1	<p><u>Superstructure</u> : Designing, fabricating, supplying &amp; erection at site (Roof top level i.e.upto 20 metre height ) of pre engineered / prefabricated light weight single storey without staircase steel structure as follows: 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.</p>	sqm	600		150					

<p>Purlin:- GI hot section/ Galvalume “C” section  Runner: Cold rolled lipped “C” steel sections shall be provided @ interval of 750 mm c/c for hanging of lights / false ceiling .  Roofing:- Metal profile PPGL 0.5mm TCT in colours as approved  Roof Insulation:- 16kg/m<sup>3</sup>, <b>100mm thk Fiber glass roof insulation</b>  External Wall Cladding:- 12mm thick Heavy duty Fiber cement boards of exterior grade Building Paper – Breather Foil on external face of LGSF wall + <b>6mm thick fiber cement board fixed in horizontal grooves to cover up the joints of 12mm board below.</b>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:- 50mm thick mineral wool 48kg/m<sup>3</sup> density.Suitable sun shades made out of 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  Wall Insulation:- 50mm thick mineral wool 48kg/m<sup>3</sup> density. Suitable sun shades made out of 0.50 mm PPGL sheets will be provided to all external windows</p>												
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	<p>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.</p> <p>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</p> <p>Soffit and Eaves or equivalent Lining :- External Soffit and Eaves Lining with Fiber cement Boards.</p> <p>All civil work up to 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 in this item shall be executed by specialised LGSF OEM only)</p> <p>The above works include removal / shifting of all services existing on the relevant area as per the instruction of officer – in –charge.</p>								
2	<p><u>CIVIL WORK</u>: Excavation of Base Work on terrace &amp; back filling of available excavated area with demolition of any RCC/Brick wall.</p>	sqm	800		150				

3	Providing RCC Plinth beam of <b>140 x 300mm</b> with nominal reinforcement of <b>12mm TMT bars</b> & M20 concrete for fixing of LGSF wall by means of anchor fastener.	sqm	450		300				
4	Providing & laying in position cement concrete in floor 1:3:6 (1 Cement: 3 Corase Sand : 6 Graded Stone Aggregate 20mm Nominal size) 75mm thick. With Water Proofing	cum	20		10				
5	Plinth beam edge Protection of average 50mm thick 1:5:10 and 300mm in width (Sloping from 3 inches to 1 inch)	cum	10		8				
6	Flooring (Dry Area): Floor tiles and skirting (100 mm height) in general & dry areas shall be of Vitrified Tiles <b>up to size of 800x800mm</b> of approved color laid on a bed of <b>average 20mm</b> 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) <b>(Kajaria/Nitco/Somani or equivalent make)</b>	sqm	770	1,200	150				
7	Flooring (Wet Area): Toilet area - Minimum 7 mm thick antiskid tiles of Kajaria/NITCO/ make approved equivalent of approved colour & quality. (Base Price – Rs. 60/Sqft) (Kajaria make)	sqm	60	100	30				
8	Wall Tiling (Toilet Area): 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/ <b>mortar</b> , finishing, cleaning etc complete. Joints to be finished with tile grout	sqm	200	350	70				

	with matching pigment etc. Complete (Base Price – Rs. 60/Sqft) <b>(Kajaria/Nitco/ equivalent make)</b>									
9	Water Proofing <b>(Toilet wall &amp; floor area):</b> Water proofing with blastomeric modified APP polymer membrane reinforced with non woven fibre in Toilet areas.	sqm	100	150	50					
12	False Ceiling : 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	sqm	550	800	150					

	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 Officer-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.									
13	Doors: Flush doors 30mm thick with 4mm thick teak ply/veneer/ 1.00mm thick laminate on both sides as the case may be, complete with all required hardware like hinges & mortice lock set.	sqm	30	60	15					
14	Windows: Sliding / Casement window / Door 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 <b>0.6mm</b> toughened glass (double glass with <b>airgap</b> between them of approx 10mm) fixed using rubber gasket.	sqm	80	250	30					

15	Electricals: Providing electrical work comprising of PVC Conducing, Point wiring (Havells/ <b>Polycab/Finolex</b> FRLS or equivalent), Modular Switches (Northwest or equivalent), Sockets with boxes & respective cover plate (Havells make or equivalent) (All other fittings & fixtures in concerned officials / <b>clients</b> scope) Including Main, Sub-main <b>wiring</b> , MCCB, RCCB, 4 way TPN etc as per design and detials provided by Officer-in-charge.	sqm	600	1,200	200					
16	Civil work : Dismantling of existing roof and providing the steel girder with red <b>sand</b> stone and concrete/ <b>decking sheet / checkered plate as the case may be</b> , ceiling plaster, matching the level with existing roof. Complete as per design.	sqm	-	-	150					
17	Providing and fixing of steel frame as per structure drawing and <b>8-10mm</b> polycarbonate sheet as per the design.	sqm	100	-	100					
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/ <b>drawing supplied</b> 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 tapping screws	sqm	150	400	50					

	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									
19	Civil construction of store/toilets area on, 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 aluminum doors & windows.	sqm	60	-	50					
20	Plumbing: Providing Plumbing Lines in Toilets of 20mm PPR/CPVC pipes with UV layer & glass coating for external water supply & 16mm Polyethylene pack pipes for Internal water supply with elbows, bends & T's limited to the building structure only including all required elbows, bends, floor traps, complete. (All Other <b>CP and chinaware</b> Fittings & Fitures separate)	sqm	50	60	30					



21	<p>Construction of two new lift shafts including lift pit, lift well and head/machine room as per the equipment requirement and specifications – including dismantling work wherever necessary, excavation, RCC work in walls &amp; floor upto the pit level, raising 9” brick walls on all four sides, laying RCC beams &amp; lintels at all door levels, water proofing inside the lift pit, required electrical work in the shaft, plaster inside &amp; outside of the walls &amp; pit, covering the lift shaft with RCC roof slab in approx. 200mm thickness with fixing of an I-section as per the lift manufacturer specifications, complete as per the design &amp; directions of the officer in charge. Making the new lift shaft for 2 lifts and machine room including of dismantling where ever needed , complete repair of the shaft area, making of water proofing in pit , support system, ladder etc complete the shaft for ready to install the lift as per there specifications and drawings as per design and drawing provided by Officer-in-Charge.</p> <p>REPLACING ONE OLD 4 PASSENGER HYDRAULIC LIFT WITH NEW LIFT</p>	2	1	0									
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22	Kota stone slabs 25 mm thick in tread & risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	sqm	0	10	30					
23	Kota stone slab 25 mm thick 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	0	40	40					

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

Sl.No.	Description of work	Unit	Tentative Qty			Unit Rate (in Rs.)	Amount (in Rs.)	Amount (in Rs.)	Amount (in Rs.0	Total Amount (in Rs.)
			Part A	Part B	Part C					
1	Providing and Supplying of ergonomically designed fabric upholstered high back revolving chair for Conference Room. 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/m3 polyurethane mould and back cushion should be made up of 38mm thick High Density 33±2 Kg/m3. 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)	Nos	8	8	-					

	<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>									
2	<p><b><u>Specifications for conference room revolving chair:</u></b>  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/m3 polyurethane mould and back cushion should be made up of 38mm thick High Density 33±2 Kg/m3. 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</p>	Nos	35	50	-					

	fabric as per manufacturer's shade card. The arms of the chairs should be black .									
	<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 confirming 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>									
3	<p><b><u>Specifications for fixed base cushion chair for conference room :</u></b></p> <p>The back chairs for the conference rooms and meeting rooms 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>	Nos	20	20						

	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: Overall Height of chair : 890 mm max. The chair should be preferably the same model/alike as that of conference room chair.								
4	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 1.0mm thick Merion or Egeivalent Laminate. The table should have soft 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. Table shall be made in following configuration:- 1) Conference Table 6 Seater (3300 mm x 600 mm)	Nos	4	4	-				
	2) Conference Table 3 Seater (1800 mm x 600 mm)	Nos	2	2	-				

	2) Conference Table 1 Seater (750 mm x 600 mm)	Nos	4	4	-					
	<b>Note</b> : The seating system design shall be modular / changeable as per drawing attached.									
5	<p><b>Specifications for lounge sofa sets:</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.</p> <p>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</p> <p>All material should be used of relevant ISI specification and as approved by the concerned officials.</p>	Seat	10	10	-					
6	<p><b>Specifications for centre table :</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	4	4	-					

7	<p><b>Specifications for side table :</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 - 550mm (W)x 550mm(D)x 425 mm (H) (min)  NOTE: The side table &amp; centre table should be from the same model/alike.</p>	Nos	6	6	-					
8	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 as per detailed drawings and as directed by the concerned official.	Sqm	250	350	100					
9	Providing and fixing in position ply paneling with appropriate Laminate and necessary dash fasteners to ensure stability. The paneling consists of 12mm commercial ply with 1mm th. Laminate, and all frame with one coat of primer and one coat of synthetic enamel paint complete in all respects as per detailed drawings and as directed by the concerned official.	Sqm	150	250	50					



10	<p>Providing and fixing in position teak veneer ply paneling made out of frame work of 50x50 mm 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	80	150	30					
	<p>Providing and fixing in position ply paneling with laminate made out of frame work of 50x50 mm 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 1mm thick laminate 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	80	150	30					

11	<p>Providing and Fixing Toughened Glass on wall for writing board, name board etc; as per details below and as per the detailed working drawing :-</p> <p>(i) toughened glass for using as writing board – 01 Nos</p> <p>(ii) 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) 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	4	2					
11 A	Conference Room: Acostic Panel of 12mm thickness in appropriate complete fixing and with approved color as per design and drawing	Sqm	100	200	-					
12	Providing & fixing of Pergola or other design in M.S. Structure work with the grid system or single section work for structural safety as mentioned in drawings & design	Kg	1,500	3500	2,000					
13	Supplying and installation of modular computer work unit of minimum dimension 1200mm (W) x 600mm (D) x 760mm (H) with a 50mm thick panel oneither sides of total ht 2100mm.A variation of + -300mm 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	Nos	6	30						

	<p>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,</p>									
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	required accessories etc. to be installed as directed.									
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	24	2	-					
15	Providing and fixing blinds of MAC make & approved shades with channels & operating system complete as per direction.									
	(a) Active screen range	Sqm	25	30	10					
	(b) Oaken Glow ( officer cabins )	Sqm	25	30	-					
	View Max screen	Sqm	45	40	-					
16	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	150	200					

17	<p>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% polyster + 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 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 3rd and 4th floors at newly created office space area.</p>	Nos	50	60	5					
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18	Providing and Fixing toughened& laminated Glassup 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 (as per drawing issued ). 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	-	-	10					
19	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	50	200					
20	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	6	2					
21	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	6	2					

22	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	6	2					
23	Providing & fixing un plastic is edpvc triple layer overhead water storage tank	Ltr	2,000	5,000	2,000					
24	Providing & fixing 12mm thick factory made toughened glass of saint-go-bain or equivalent make for fixed glass partitions and/or doors in all sizes & shapes with all required cuts & holes for stainless steel patch & 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.	Sqm	60	80	20					
	(a) Double cylinder floor spring (heavy duty - 90kg)	Nos/ Each	15	20	4					
	(b) Top patch fitting of Ozone / Dorma / Closma or equivalent make	Nos/ Each	15	20	4					
	(c) Bottom patch fitting with strike plate of ozone/dorma/closma or equivalent/ identical quality make	Nos/ Each	15	20	4					
	(d) Corner patch lock of ozone/ dorma / closma or equivalent make	Nos/ Each	15	20	4					
(e) H - type or D- type handle (25 x 300mm) of safex / closma or equivalent make	Nos/ Each	15	20	4						
25	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	50	50	10					

26	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	20	20	10					
27	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.									
	(a) Having depth of up to 230mm	Sqm	20	200	5					
	(b) Having depth of up to 350mm	Sqm	60	100	5					



	(c) Having Depth of up to 450mm	Sqm	3	10	5					
	(d) Having Depth of up to 600mm including modular stainless steel basket & fitting suitable for below counter kitchen / pantry cabinets	Sqm	10	10	20					
28	Supply and placing in position main officer desk/table of the specification of size 2100(w)mmX900(d) mmX750(h)mm +- 300 mm variation.The table top shall be 25mm thick MFC (Melamine Faced Chipboard). The main table should be of duck noise profile edge in order to enhance the work space aesthetics. The material shall be as per manufacture's specifications and as per direction of officer.	Nos	8	12	1					
29	Supply and placing in position joining table of the specification/size1000(w)mmX450(d)mmX750(h) mm +- 150 mm variation with top panel thickness of 25mm using Melamine Faced Chipboard (MFC). The leg of joining table shall be of metal. The material shall be as per manufacture's specifications and as per direction of officer.	Nos	8	12	1					
30	Supply and placing in position back unit of the specification/size of 2100(w)mmX450(d)mm X750(h)mm +- 300 mm variation with top panel thickness of 25mm using Melamine Faced Chipboard (MFC). The door panels and all other panels should be 18 mm thick MFC (Melamine Faced Chipboard). The handles shall be of metal. The material shall be as per manufacture's specifications and as per direction of officer.	Nos	4	6	1					

31	Supply and placing in position centre table of the specification/size 1000mmX600mmX428mm +-150 mm variation 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 manufacture's specifications and as per direction of officer	Nos	4	6	2					
32	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	10	2					
33	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	8	2					
34	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	10	2					
35	Providing & fixing hand shower (health faucet) with metal hose & holder in polish crome of Kohler / jaguar or equivalent make complete as per the direction of the Officer in charge	each	6	10	2					
36	Providing & fixing white vitreous wall hung urinal with concealed fitting of Kohler / jaguar or equivalent make with back inlet and valve outet including fixing to wall suitable brackets all as per manufacturer specifications and as per the direction of the Officer in charge	each	4	10	2					

37	Providing & fixing unplasticied PVC connection pipe with brass unions 60cm length and 20mm nominal bore as per the direction of the Officer in charge	each	10	10	4					
38	Providing & fixing anti cockroach floor drain cardinetc complete as per the directions of the concerned officer in charge	each	10	20	4					
39	Providing & supplying mini fridge for storing minor soft drinks, juices or water bottles for placing inside wooden pantry cabinet	Each	1	1	-					
40	Providing & fixing bottle trap of Kohler / Jaguar or equivalent make etc complete as per the directions.	each	5	10	2					
41	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	8	2					
42	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	10	2					
43	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	20	30	6					
44	Providing & fixing Stainless steel paneling in horizontal band shape all along the coridoor walls in 230mm height in SS 304 grade 22 gauge thick machine moulded on all bends fixed with adhesive on 19mm thick BWP block board duly cut in size and fixed on fastners with all exposed edges finished and fixed with 4mm teak lipping	Mtr	10	100	10					

	finished with wood primer before fixing SS sheet.									
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 between the pantry, toilets and AC plant on the terrace	Sqm	30	-	-					
46	Providing & fixing Titan series 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 attached with all accesories 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	Each	6	10	2					
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 aluminum doors & windows	Sqm	20	10	20					

48	Providing & fixing 18mm thick gang-saw cut, mirror polished,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 polishing to edges to give high gloss finish etc complete at all levels	Sqm	30	100	20					
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&polisging to edges to give high gloss finish etc complete at all levels	Mtr	30	80	20					
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 7 fixing with teak wood plugs etc complete as per the directions.	Sqm	10	10	5					
51	Providing and Fixing 35mm thick BWP flush doors cladde and pasted with 1mm designer laminate 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 hardware all complete ready to use	Sqm	30	50	15					

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	30	50	10					
53	Supply, Installation, Testing & commissioning (SITC) of up to 300mm plastic body fresh air fan in the existing opening i/c making the hole to suit the size of the above fan making good the damages connection, testing , commissioning etc. as reqd.	Each	6	6	2					
54	Supply and fixing of compact type mirror light fitting suitable for energy efficient 12 watt LED lamp alongwith all accessories i/c S/F 1 No 7 watt LED lamp directly on wall connection etc as reqd.	Each	6	6	2					
55	Supply, fixing, Installation, Testing and Commissioning (SITC) of Garden Bollard / water proof decorative luminaire Light with 1x 7 watt LED lamp 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	8	4	10					
56	SITC of 15 watt LED type Down Lighter fitting direct in the fall 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	80	120	40					
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	10	30	5					

58	SITC of essential LED tube Fitting 4' 20w/840 T8 1nd 1200 on surface or cove i/c connection etcar required (Philips/Leolux/Wipro/Max or equivalent make) of 18 watt LED tube.	Each	100	150	10					
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	40	10					
60	SITC of Strip light fittingfitted 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	30	45	15					
61	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	8	10	2					
62	SITC of 12- 15 watt LED type Surface Light fitting direct fixed on the existing celling i/c testing commissiong 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	10	30	10					
63	SITC of upto 36 watts LED square surface light of size 600x600mm fixed direct on the existing ceiling including testing & commissioning complete as required (Phillips/Leolux/wipro/Max or equivalent make) as per design	Each	10	30	10					
64	Removal of malba by way of mechanical means and clearing the site.	Cum	10	40	10					

65	Providing & applying plaster of paris punning plaster on walls average 12mm thickness with using chicken wire mesh where ever required	Sqm	150	2500	350					
66	Providing & applying a coat of thinnable cement primer on walls	Sqm	150	2500	350					
67	Providing 12mm thick plaster of paris (gypsum anhydrous) false ceiling up to 5M above floor level consisting of power pressed galvanized GI channel fixed with dash fastners and hanging arrangement including scaffolding complete as per direction of officer in charge	Sqm	150	400	150					
68	Providing wood work (Second class teak wood) in frames of doors, windows and other frames and fixed in position with hold fast lugs or with dash fasteners of required dia & length.	Cum	1	2	1					
69	Malamine polish with finish in gloss/matt of required shade over wooden surface including preparation of surface complete.	Sqm	30	50	10					
70	Providing & fixing 9mm th. Accoustic panels as per design & pattern on 12mm th. Wooden plyboard fixed on 50mm x 50mm hardwood frame.	Sqm	30	30	10					
71	Providing & installation of 6mm th. Loop pile carpet on steps / floor / panelling in walls	Sqm	20	30	20					



72	Providing and fixing double skin partition in 12mm thick commercial ply on both side over frame work of 50mmx50mm section martini wood @600mm c/c using pink primer on the frame	Sqm	30	50	10					
73	Suppling, drilling, cleaning hole in RCC & fixing HILTI make Mechanical fastener HST3 M12x 125	Each	30	300	100					
74	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	Sqm	-	100	50					
75	Dismantling of all toilets including all piping work, CP fittings, China wares, CI & GI pipes including the stacking of useful materials.	LS	-	-	-					
76	Providing & fixing 18mm th. BWP plyboard on steps in conference/training room and similar locations complete with necessary hardware.	Sqm	50	50	-					
77	Providing & fixing merine ply shuttering with struts & props in counters & lintels	Sqm	20	20	10					
78	Providing & applying waterproofing treatment in toilets to the RCC slab/Retaining wall, any other horizontal & vertical concrete or brick wall surface with three coats of tapered laid over 300 micron fibre sheet with all complete as per	Sqm	30	80	30					

	manufacturer's specification									
79	Panelling on walls with 47mmx45mm MS tube or 50mm x 50mm wooden baton of Mirinti wood and fixing 12mm thick commercial ply on top complete with necessary hardware	Sqm	200	350	100					
80	Providing & Fixing 4mm Veneer on existing ply Partition or above wall panellings	Sqm	200	350	100					
81	Providing & fixing stainless steel Sink for Pantry (910mm x 400mm) of Nirali or equivalent make including fixing angles and waste pipe complete	Each	1	1	1					
82	Providing & fixing Geysers for Kitchen & toilet in 25 ltr capacity each complete including copper pipes for connection and nut bolts complete	Each	1	2	1					
83	SITC profile lights of size 50mm x 75mm in class room corridor	Each	10	5	-					
84	Providing & applying enamel paint over an undercoat of red oxide primer on steel / MS structure or grills etc.	Sqm	30	50	20					
85	Providing and installing weatherproof electrical box on terrace for AC units	Each	4	4	2					
86	Providing & Installing buzz bars in required amperage for load distribution	Each	1	2	1					

89	Providing & fixing 4mm colloured lacquer glass fixed with silicon on 12mm ply panelling on walls wherever required as per design	Sqm	10	10	5					
90	Latherite panelling over 12mm ply base with 50mm foam filing and stitching as per design issued in the training room area	Sqm	10	10	-					
91	3D Panelling over 12mm ply base on wooden frame with cove, finished with duco paint	Sqm	10	10	-					
92	Providing and fixing tiled carpets in conference hall or similar locations fixed over a layer of 3mm foam base with adhesive	Sqm	50	10	30					
93	Providing and fixing MDF Jali with top finish of duco paint as per design issued	Sqm	10	-	-					
	Providing & fixing Prelaminate wooden flooring With high resistance towards scratches / cigrate Burns, furniture legs in high abrasion resistance, HPL laminate surface layer, HDF core material & Compact sound block underlay in thickness upto 9mm plank size upto 1195 x 200mm in Pergo /Kronotex or equivalent make in natural touch or Matte finish AC-5 grade as per direction of eng / officer in charge	Sqm	30	100	100					

	<p>Providing &amp; fixing modular kitchen (factory made / Machine made) kitchen cabinets of ISI marked 18mm \ Waterproof ply/board, 6mm back ply, completely Pasted with laminate of 1.00mm thickness on all sides Including carcasses &amp; shutters complete, with self closing Spring loaded SS hinges of Hettich or equivalent make,All edges finished with edge binding tape machine pressed From all sides, kitchen cabinets to have adjustable legs, Finished with pre-polished Granite stone with moulded Edge, fixed with single bowl drain board stainless steel Sink, RO (Megna of Aqua Guard) all required stainless steel baskets &amp; trays inside Cabinets as per design supplied or as per the directions of The Officer / officer incharge. All cabinets to be measured On the front face or finished faces upto 580mm depth.</p>	Sqm			15					
	<p>Providing &amp; Fixing of rubberized flooring for the Gym area with 62 mm thick and as per the drawing &amp; detail</p>	Sqm			50					

**PART-C FOR VRF AIRCONDITIONING SYSTEM**

Sl.No.	Description of work	Unit	Tentative Qty			Unit Rate (in Rs.)	Amount (in Rs.)	Amount (in Rs.)	Amount (in Rs.0	Total Amount (in Rs.)
			Part A	Part B	Part C					
<b>1 (A)</b>	<b><u>Installation of Variable Refrigerant Flow System</u></b>  Supply, Installation , Testing and commissioning of Modular type outdoor units equipped with highly efficient scroll compressors. Each outdoor unit should have minimum 1 no. variable compressor up to 18 HP, 2 nos. variable compressors upto 32 HP capacity, 3nos. variable compressors up to 54 HP capacity with special heat exchanger, 20- 27 Steps speed control DC motor condenser fan , auto check function for connection error, auto address setting and in built Double Stage Oil Separation to ensure minimum oil entenchment and proper lubrication.The condensing units should be capable for outside ambient 48 Deg. C									
	48 HP Heat Pump Type- Top Discharge- 100 % INVERTER(24 HP + 24 HP)	Nos	1	2	-					
	36 HP Heat Pump Type- Top Discharge- 100 % INVERTER (20 Hp + 16 HP)	Nos	1	2	1					

<b>2</b>	<b>INDOOR UNIT</b>									
<b>(B)</b>	Supply , Installation , Testing and commissioning 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>	4 way cassette with wired/corded remote 6 HP Cassette	Nos	8	-	-					
<b>B-ii</b>	5 HP Cassette	Nos	2	8	-					
<b>B-iii</b>	4 HP Cassette	Nos	5	12	10					
<b>B-iv</b>	3 HP Cassette	Nos	2	9	-					
<b>B-v</b>	2.5HP Cassette	Nos	-	1	-					
<b>C</b>	<b>Y-Joints</b>	Nos	19	54	9					
<b>D</b>	Split 100% Cool only wall mounted Air - conditioners make Hitachi / Mitsubishi / Toshiba or equivalent with maximum energy efficient i.e 5 or more star rating with complete fitting under buy back of old one split A.C. Complete installation with supportive low side work with no hidden cost									
D-i	1.0 HP	Nos	-	2	-					
D-ii	1.5 HP	Nos	4	14	-					
D-iii	2.0 HP	Nos	-	4	-					
D-iv	2.5 HP	Nos	-	8	-					
<b>Sl.N o.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Tentative Qty</b>			<b>Unit Rate (in Rs.)</b>	<b>Amount (in Rs.)</b>	<b>Amount (in Rs.)</b>	<b>Amount (in Rs.0</b>	<b>Total Amount (in Rs.)</b>
			<b>Part A</b>	<b>Part B</b>	<b>Part C</b>					
<b>1</b>	<b>Installation of Variabe Refrigerant Flow System</b>									
<b>Part -A</b>	<b>- Setfree</b>									

Installation Modular type Set free outdoor units equipped with highly efficient scroll compressors .Each outdoor unit should have minimum 1no.variable compressor variable compressors upto 54HP capacity with special heat exchanger, 27 Steps speed control DC motor condenser fan ,auto check function for connection error, auto address setting and in built Double Stage Oil Seperation to ensure minimum oil entrachment and proper lubrication. The condensing units should be capable for outside ambient 48 Deg. C.

### Airconditioning System's other requirements for installations

<b><u>A-1</u></b>	<b>Installation, Testing and Commissioning Outdoor Unit</b>								
	48 HP	Nos	1	2	1				
	36 HP	Nos	1	2	1				
	<b><u>Indoor Units</u></b>								
	Installation, testing and commissioning of SETFREE INDOOR units , address setting and capacity as mentioned below. Multispeed motor, Coil Section with DX Coil, Outer Cabinet, drain pan mechanism insulation, pipe connections, fresh air intake connector and individually controlled louver setting for cassettes and concealed unit above 3 HP having higher air quantity of 400 CFM/tr etc. of various capacities as per OEM (Hitachi) specifications.								
<b><u>B.1</u></b>	<b>Cassette Units</b>								
	<b>2.5 HP</b>	Nos.	-	1	-				
	3.0 HP	Nos	2	9	-				
	4.0 HP	Nos	5	12	10				
	5.0 HP	Nos	2	8	-				
	6.0 HP	Nos	8	-	-				
<b><u>B.2</u></b>	<b>Hi-Wall Units</b>								
	Wall Mounted Split Type : 1.0 HP	Nos	-	2	-				
	Wall Mounted Split Type : 1.5 HP	Nos	4	14	-				
	Wall Mounted Split Type : 2.0 HP	Nos	-	4	-				



	Wall Mounted Split Type : 2.5 HP	Nos	-	8	-					
	Corded Remote	Nos	21	58	10					
	MS Stand foe Outdoor Unit Mounting	Nos	2	4	1					
<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 HITACHI STD & specifications, all piping inside the room shall be properly supported with MS hanger.									
	41.3 ( with 19 mm Insulation )	RMT	150	250	50					
	34.9 ( with 19 mm Insulation )	RMT	150	250	50					
	28.6 ( with 19 mm Insulation )	RMT	150	250	50					
	22.2 ( with 19 mm Insulation )	RMT	150	250	50					
	19.1 ( with 19 mm Insulation )	RMT	150	250	50					
	15.9 ( with 19 mm Insulation )	RMT	150	400	50					
	12.7 ( with 19 mm Insulation )	RMT	80	400	50					
	9.5 ( with 19 mm Insulation )	RMT	150	350	50					
	6.4 ( with 19 mm Insulation )	RMT	125	250	75					
<b>3</b>	<b>Cable Tray</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	150	200	200					
	Cable Tray for copper piping (150 mm) without	RMT	150	150	150					

	cover								
	Cable Tray (300mm) cover only 20G	RMT	R/o	-	-				
	Cable Tray (150mm) cover only 20G	RMT	R/o	-	-				
<b><u>4</u></b>	<b>Supply, installation, testing &amp; commissioning of Refnet Joints</b>								
<b><u>5</u></b>	Providing and fixing rigid PVC piping complete with fittings, supports as per HITACHI Standards & specifications and duly insulated with 6 mm thick closed cell nitrile rubber insulation.								
	32 mm dia	RMT	300	450	100				
	40mm dia	RMT	50	150	80				
<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 .75 Sq mm	RMT	1000	1500	550				
<b><u>7</u></b>	Cassette Frames – Welding	Nos.	17	30	10				

### CCTV for Creche and GYM

Sl.No.	Description of work	Make / Mode	Tentative Qty			Unit Rate (inRs.)	Amount (in Rs.)	Amount (in Rs.)	Amount (in Rs.0	Total Amount (inRs.)
			Part A	Part B	Part C					
1	CCTV Camera with DVR, wiring and around 10 Nos high resolution HD Camera which may work in night also i.e. Night vision HD Camera (bullet type / dome type) 8 Camera 2.0 MP or more with DVR and 2 TB HDD and Related Cables and Accessories	Panasonic/ CP Plus/ Hikvision	0	0	1					
2	Supply and installation of Smart LED – 40 Inch	Panasonic/ Sharp/ Sony	0	0	3					

**PART-D FOR AUDIO VISUAL EQUIPMENT/ITEMS**

Sl.No.	Description of work	Make / Mode	Tentative Qty			Unit Rate (inRs.)	Amount (in Rs.)	Amount (in Rs.)	Amount (in Rs.0	Total Amount (inRs.)
			Part A	Part B	Part C					
1	80" Inch Full HD Display with Pixel Pitch of minimum 0.9225 x 0.9225 mm, Max Brightness of 350 cd/m2 , Contrast Ratio - 5,000 : 1, 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	Samsung/Panasonic/Sharp	1	1	-					
2	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	Samsung/Panasonic, Sharp	4	4	1					
3	43-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	Samsung/Panasonic/Sharp	4	4	2					
3	Wall Mount for Above Display	Custom	9	9	3					
4	Cable Cubby with 1 VGA-A, HDMI, Data X 2 with 2 Power	Extron/Kramer/Eisconnect	1	1	1					

5	3x1 switcher with two HDMI® inputs and one VGA input, HD video scaler with HDMI output and input resolution control, Automatic input selection and automatic display control	Atlona, Crestron, Extron	1	1	1					
6	4K/UHD 8-Output HDMI to HDBaseT Distribution Amplifier, HDCP 2.2 compliant, PoE (Power over Ethernet) source – remotely powers PoE-compatible receivers, Transmits RS-232, IR, and CEC control signals over HDBaseT	Atlona, Crestron, Extron	1	1	0					
7	4K/UHD capability @ 60 Hz with 4:2:0 chroma subsampling, HDCP 2.2 compliant, HDBaseT receiver for HDMI®, power, and control up to 230 feet (70 meters) Remotely powered via PoE (Power over Ethernet) Receives RS-232, IR, and CEC control signals over HDBaseT	Atlona, Crestron, Extron	5	5	1					
6	1x4 HDMI® distribution amplifier, 4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling, plus support for HDR formats HDCP 2.2 compliant EDID management	Atlona, Crestron, Extron	0	0	1					
7	Full HDVideo Conference Systems, Full HD codec, 1080HD 10x PTZ camera, 2 Full HD video outputs, supports SIP, H.323, 128 kbps-6.0 Mbps, supports H.264 High profile,H.264 Baseline Profile,H.263, Multiple Language supported, Do not disturb mode, Video mute, Picture-in-picture, built in 4 way multipoint, 1 year Warranty	Clearone, Cisco, Panasonic	1	1	1					

8	Boundary Microphone (half-cardioid) with 3-pin XLR connector, black	Beyerdynamic, Clock Audio/ Sennhiezer	14	14	8					
9	Digital Signal Processor, 12 balanced microphone/Line input, 12 balanced microphone/ line output, 24 bit A/D, D/A conversion, 64 bit processing core, Biult in AEC, AFC, Auto Mixer, RS232 bidirectional control, supports third party control, supports 50 preset function etc	Biamp/ Crestron/ Tekink	2	2	1					
9	Wireless Handheld Microphone, UHF, Frequency Range 576 to 865 MHz, Electro condenser microphone, 16 selectable channel, balance XLR output, Receiving Sensitivity 90 DB ormore, Signal to noise Ratio 104 dB or more, Frequency Response 100 Hz-15KHz	Beyerdynamic, Clock Audio/ Sennhiezer	1	1	1					
10	Two-channel, 350W @ 4Ω Power Amplifier	Extron, Crown, TOA	1	1	1					
11	Two-way in-ceiling loudspeaker, 6.5" LF & 1" Tweeter, 80hm/60 Watts, 60Hz - 20KHz , White – PAIR	Apart, TOA,JBL	4	4	4					
12	HDMI Cable, MIC Cable, Speaker Cables, Cat6	Beldon/ Extron/ Linetek	LOT	LOT	LOT					
13	12U rack with front Glass, Top & bottom CRCA Steel Powder coated with one self and Power Strip and Accessories	MTS/President / Valrack	1	1	1					
13	Installation Testing Commissioning and Programming of DSP	Project	1	1	1					

**PART-E For Outside Landscaping on Terrance Open Area**

Sl. No.	Description of work	Unit	Tentative Qty			Unit Rate (in Rs.)	Amount (in Rs.)	Amount (in Rs.)	Amount (in Rs.0	Total Amount (in Rs.)
			Part A	Part B	Part C					
<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	2	20	20					
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	200	400	200					
3	Removal of Malba from site	Truck	20	10	10					
<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	5	10	10					
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	5	10	10					
4	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete Cold Twisted bars of grade FE-500D	Kg	500	2,000	3,000					

<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	10	15					
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	200	200					
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	10	10	10					
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	100	100	100					
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	-	80	80					
<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	200	500	400					
10	<b>Internal Wall Paint</b> : Providing & applying 2 coat of Velvet paint including a coat of primer (Asian - Ace - Apex).	Sqm	2,250	3,500	200					
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	Sqm	500	2,500	250					

	between each coat etc. all complete as per the satisfaction of the orgn.									
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)	Sqm	500	2,500	250					
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	500	1,500	500					
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	250	500	250					
<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	50	20					

2	Providing & fixing 18mm thick machine cut Udaipur Marble/ Yellow Jaisalmer 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(1cement :4 coarse sand) with joints treated with cement, mixed with matching pigment including curing, rubbing & polishing etc. complete.	Sqm	20	50	20					
3	Extra for fixing Udaipur Green Marble/ Yellow Jaisalmer 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	100	250	50					
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	50	30	20					
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	Sqm	100	20	50					

	patterns)									
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 consider basic rate Rs 90/sft	Sqm	50	10	20					
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	40	10	30					
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	20	10	40					
10	Providing & fixing 30mm thick machine cut Sand Stone(as per sample approved by the Architect) in coping 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	20	25					
<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,	KG	3,000	1,000	2,000					

	hoisting, fixing in position and applying a priming coat of approved steel primer all complete:									
<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	54	9					
b	25mm nominal outer dia pipe	RMT	30	54	9					
c	32mm nominal outer dia pipe	RMT	24	43	7					
d	40mm nominal outer dia pipe	RMT	18	32	5					
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	22	4					
b	75 mm dia soil pipe	RMT	24	43	7					
c	110 mm dia soil pipe	RMT	10	18	3					
3	Providing and fixing 110mm UPVC Nahani Trap.	Nos.	6	11	2					
4	Providing and fixing 125mm S.S. grating over Nahani Trap.	Nos.	6	11	2					
5	Providing and fixing BIB COCK	Nos.	6	11	2					
<b>6</b>	<b>Providing &amp; Fixing CPVC Ball Valve</b>									
a	20mm nominal outer dia pipe	Nos.	3	5	1					
b	25mm nominal outer dia pipe	Nos.	2	4	1					
c	32mm nominal outer dia pipe	Nos.	1	2	0					
d	40mm nominal outer dia pipe	Nos.	1	2	0					

<b>H</b>	<b>Miscellaneous Work</b>									
1	Providing & fixing 32mm thick seasoned Miranti wood/ Canadian Pine wood planks with necessary hardware on existing MS frame complete with coating of linscid oil.	Sqm	20	50	10					

S.No.	Electrical	Unit	Tentative Qty	Unit Rate (in Rs.)	Total Amount (in Rs.)
1	Wiring for Light point/ Fan point/ exhaust fan point/call bell point with 1.5 sq. mm FRSL PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc as required. a) Group C	Point	250		
2	Wiring for twin control light point with 1.5 sq mm FRSL PVC insulated copper conductor single core cable in surface/recessed steel conduit, 2 way modular switch, modular plate. Suitable GI box and earthing the point with 1.5sq mm. FRSL PVC insulated copper conductor single core cable etc as required.	Point	12		
3	Wiring for group controlled (looped) light point/fan point/exhaust fan point/call bell point (without independent switch etc) with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit, and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc as required	point	700		
4	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed Steel conduit as required a) 2x2.5 sqm mm + 1x1.5 sq mm earth wire	Meter	950		
5	Wiring for circuit/ submain wiring along earth wire with the following size of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduct as required a) 4 X 2.5 sq. mm + 1 X 2.5 sq. earth wire.	Meter	200		
6	Supplying and fixing of following sized of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required . 20 mm dia.	Meter	200		
7	Supplying and fixing of following sized of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required . 25 mm dia.	Meter	400		
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings.	Each	100		

9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	80		
10	Wiring for light/power plug with 2x4 sq mm FRLS PVC insulated copper conductor single core cable in surface/recessed Steel conduit alongwith 1 No.4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	Meter	1000		
11	Wiring for light / power plug with 2X4 sq.mm FRLS PVC insulated copper conductor single core cable in surface. Recessed medium class PVC conduit along with 2 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	0		
12	Wiring for light/power plug with 4x4 sq mm FRLS PVC insulated copper conductor single core cable in surface/recessed Steel conduit alongwith 2 No.4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	Meter	150		
13	Wiring for light / power plug with 4X4 sq.mm FRLS PVC insulated copper conductor single core cable in surface. Recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	150		
14	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required 2x6 sqmm + 1x6 sqmm earth wire	Meter	500		
15	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required 4X6 sq.mm + 2X6 sq mm earth wire	Meter	100		
16	Supplying & fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate etc. as required.	Each	100		
17	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	Each	22		



19	Supply, Installation, testing and commissioning of pre-wired, flurocent fitting/ compact florescent fitting of all types, with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Nos.	450		
20	Installation, testing and commissioning of ceiling fan, including wiring the down fods of standard length (upto 30 cm ) with 1.5 sqmm FRLS PVC insulated, copper conductor , single core cable etc as required.	Nos.	12		
21	Installation of exhaust fan in the existing fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required upto 450 mm sweep.	Nos.	14		
22	Suppling and fixing two module stepped type electronic fan regulator on the ecisting modular plate switch box including connections but excluding modular plate etc. as required.	Nos.	12		
23	Supply of LED better suitable for conduit/surface/suspended mounting, a stand alone fixture with power consumption of maximum 41W producing lumen output of 4000 lumens or more having an integral driver with THD<10% and PF>0.9 excellent efficiency of 90 lm.W and 50000 hrs of life at L70 i.e. the lumen output of fiture reduces to 70% of its original output after 50000 hrs. Complete with all accessories etc. as reqd Make : OSRAM - Simplitz BTN ACH1200A, Philips BN 208C LED 40/CDL L1200 FR, Trilux RIDOS OT LED 4000-840 ET, Thron Propack LED 4500-840 HF.	Nos.	10		
24	Supply of recessed LED light fixture of size not less than 590x 590x77 mm having minium lumen out put of 3300 lumens & maximum 43 watt, driver efficiency more than 80% , pf- more then 0.9 slall have elegant, craca powder coated housing body with high transitivity opal diffuser cover etc. The fixture shall have in built protection against over voltage, short circuit, over load and miss-wiring with high effeciency and low power- loss. The fixture shall be suitable for WHITE LIGHT (5700 -6500k), CRI >80, color light. The fixture, coplete with its driver etc as required. make philips - RC365BLED33 -5000PSU ODYH, OSRAM LUX POWER F, GE -GCR043 -56NO(42W), Zumtobel - MELLOW Light V LED (39W)	Nos.	50		

25	Supply of Surface mounted LED downlighter, the power consumption of fixture is 15 -18 W and producing a lumen out put of 1100 lumen. The fixture has Mid Power LED'S integrated with an efficient optical system to provide high DLOR. Construction of fixture is High Efficiency White Reflector along with High Transitive in Diffuser and CRI > 70 Complete with all accessories etc. as reqd. Make : OSRAM/ PHILIPS/GE/ ZUMTOBEL.	Nos.	80		
26	Supply of recess mounted LED downlighter, the power consumption of fixture is upto 15 W and producing a lumen out put of upto 1100 lumen. The fixture has Mid Power LED'S integrated with an efficient optical system to provide high DLOR. Construction of fixture is High Efficiency White Reflector along with High Transitive in Diffuser and CRI > 70 Complete with all accessories etc. as reqd. Make : OSRAM/ PHILIPS/GE/ ZUMTOBEL.	Nos.	400		
27	Supply , Installation , Testing and Commissioning of LED street light wattage of 40-45 W IP66 with minimum system lumen output of 3400 lumenx, CCT> 5500k, CRI >70 and efficacy of minimum 85 lumen/ watt having pressure diecast aluminium alloy housing, life of LED's should be 50,000 burnings hrs. Surge protection upto 4kV with heat resistant toughened glass/ polycarbonate complete with all accessories etc as required.	Nos.	6		
28	Supplying of 1200mm ceiling fan BEE 5 star rating complete with down rod, blades, canopy etc but without regulator etc as required	Nos./Each	12		
29	Supply of upto 450mm sweep heavy duty exhaust fan complete with louvers etc.	Nos	14		
30	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 without MCB/RCCB/Isolator) a) 12 Way, Double Door	Each	2		
31	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, <b>415</b> 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 without MCB/RCCB/Isolator) a) 8 Way (4+24), Double door	Each	5		
32	Supplying and Fixing following rating, double pole, 240 Volts, RCCB in the existing MCB DB complete with connections, testing and commissioning etc. as required 40 Amps	Each	2		

32a	RCCB 4 pole in 40amp	Each	5		
33	Supplying and Fixing following rating, double pole, 415 Volts, RCCB in the existing MCB DB complete with connections, testing and commissioning etc. as required 63 Amps	Each	2		
33a	RCCB 4 pole in 63amp	Each	5		
34	Supplying and Fixing 5 amps to 32 amps rating 240 Volts, C series, Miniature Circuit Breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required a) Single Pole	Each	120		
35	Supply and Fixing of single pole blanking plate in the existing MCB DB complete etc as required	Each	20		
36	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 required.	Nos	6		
37	SITC of Profile LED light fitting in 18mm X15mm 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.	Meter	30		
38	SITC of designe hanging lights above conference table in the main conference room / hall of maximum size up to 750 mm x 200mm x 200mm fabricated out kof fabric of glass on MS powder coted round o sqare bar frame fitted with CFL or LED bulbs as per design.	Each	12		

39	<p>MAIN LT PANEL Fabrication, supply, installtion, testing and commissioning of cubicle type flore/wall mounted L.T. panel made out of 2mm thick CRCA sheet including connection, inter- connection alongwith 4 strip aluminum bus bar comprising of following panel mounting switchhears etc. as required, interconnections with solid aluminum strip/ aluminium bar / suitable sixe of copper woire etc, as required.</p> <p>A) INCOMER 1 200A , FP MCCB, 25KA -1 NO.</p> <p>B) MEETRING AND INDICATION - ON/ OFF phase indication lamps with control fuse, 1 set - Digital Ammeter 02 200amp[ with selector switch 1 no. - Digital Volt meter 0 - 440 Volt with seletor switch 1 no.</p> <p>C) Bus Bar chamber four strip 200amp aluminium bus bar with dheat shrinkable PVC Sleves - 1 set OUT GOING - 63 A, TPN MCCB 16KA 4 nos. - 63 AMP, DPMCB 1no. - 6 - 32amp SP MCB 10Kg = 72 nos</p>	Set	1		
40	Supplying of following sixes of XLPE insulated Aluminum conductor Armoured cable , 1.1 KV grade cables conforming to relevent IS code and TECHNICAL specifications.				
	a) 2x10 sqm mm XLPE insulated Al conductor armoured cable	Meter	0		
	b) 3.5x50 sq mm XLPE insulated Al, conductor armoured cable	Meter	30		
	c) 3.5 X 95 sqmm. XLPE insulated Al. Conductor armoured cable	Meter	150		
	d) 4X25 sqmm. XLPE insulated Al. Conductor armoured cable	Meter	30		
41	Supplying of following sixes of XLPE insulated Copper conductor Armoured cable , 1.1 KV grade cables conforming to relevent IS code and TECHNICAL specifications.				
	a) 4x10 sqm mm XLPE insulated CU conductor armoured cable	Meter	100		
	b) 4X16 sqmm. XLPE insulated CU. Conductor armoured cable	Meter	50		
42	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of followint sixe in the existing RCC/ HUME/ METEL pipe as required..				
	a) upto 35 sqmm.	Meter	0		
	b) Above 35 sq mm and upto 95 mm	Meter	0		

43	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
	a) upto 35 sqmm.	Meter	180		
	b) Above 35 Sqmm and upto 95 sq.mm	Meter	180		
44	Supplying and making indoor end terminaitaion with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/ KLPE aluminium conductor cable of 1.1KV grade asn required.				
	a) 2x10sq.mm	set	0		
	b) 3.5x50 sq mm	set	4		
	c) 3.5 X 95 sqmm. XLPE insulated Al. Conductor armoured cable	Set	4		
	d) 4 x 10 sq.mm	Set	10		
	e) 4 x 16 sq.mm	set	6		
	b) 4X 25 sqmm.	Set	0		
	0	0	0		
45	Providing and Fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with eisting surface/ recessed conduit/submain/cable as required.	Meter	300		
46	Providing and Fixing 8 SWG dia Copper wire on surface or in recess for loop earthing along with eisting surface/ recessed conduit/submain/cable as required.	Meter	300		
47	Earthing with G.I. Earth plate 600mmx600mmx6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc with charcoal/coke and salt as required.	Sets	6		
48	Providing and Fixing 25mm x 5mm G.I. strip in 40mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc as required	Meter	150		
49	Providing and Fixing 25mmx5mm G.I. strip on surface or in recess for connections etc as required	Meter	100		
50	a) 1 or 2 Module (75mm x 75mm)	Each	80		
	b) 4 Module (125mm x 75mm)	Each	80		
	c) 8 Module (125mm x 125mm)	Each	80		
51	Supplying and Fixing following modular switch/socket on the existing modular plate and switch box including connections but excluding modular plate etc as required				
	a) 5/6 A Switch	Each	500		
	b) 15/16 A Switch	Each	50		
	c) 3 pin 5/6 A socket outlet	Each	50		

	d) 6 pin 15/16 A Socket Outlet	Each	50		
	e) Telephone Socket Outlet	Each	50		
	f) usb outlet /port	Each	30		
52	Supply and Fixing Testing and Commissioning of Modular RJ-45 with data outlet socket with grid and cover plate in suitable size of 16 SWG GI Box	Each	50		
53	Supplying and Drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed Steel/PVC conduit as required. - 1 RUN	Meter	2000		
54	Supply, installation, Testing and Commissioning of FIVE star rating split type AC unit of 2.0 TR capacity working on 230 volts AC supply with OUTDOOR Unit stand copper piping upto 4 metre i.e. fixing of drain pipe making electrical connection complete etc as required ( MAKE HITACHI/O GENERAL/MITSUBISHI/TOSHIBA)	Each	2		
55	Supply, installation, Testing and Commissioning of FIVE star rating split type AC unit of 1.5 TR capacity working on 230 volts AC supply with OUTDOOR Unit stand copper piping upto 4 metre i.e. fixing of drain pipe making electrical connection complete etc as required ( MAKE HITACHI/O GENERAL/MITSUBISHI/TOSHIBA)	Each	2		
56	Supplying, Installation, Testing and Commissioning of Wall Mount Type 5KVA Voltage Stabilizer with input of 160-300 Volt and Output of 200-240 Volts with under voltage and high voltage cutt-off and with TDR etc. complete as reqd.	Each	22		
57	Supply, Installation, Testing and Commissioning of additional referigerent copper piping of required size alongwith insulation, wiring and drain piping, complete etc. as required.	Meter	100		
58	Supply of LED fittings of Philips make BY-400 LED 145 - S or equivalent in GE/Thorn/Zumtobel, Complete with all accessories etc as required	Nos	0		
59	SMOKE DETECTORS (A) Supply, Installation, Testing and Comissioning of Intelligent Addressable, UL Listed smoke detector with base, locking etc. Make of Detectors - Notifier/ Honeywell/Jhonson Control				
	a) Above False Ceiling	Nos	50		
	b) Below False Ceiling	Nos	200		
	c) Heat Detectors	Nos	20		
60	<b>Hooter cum Strob</b> Supply, Installation, testing and Commissioning of required power supply units to be provided for hooter cum strobe. (Instead of external power unit, providing additional power supply modules inside the panel is acceptable) Make - Notifier/Honeywell/ Jhonson Control	Nos	6		

61	RESPONSE INDICATORS Supply, installation, testing and commissioning of Response Indicators with single LED ( Make - Notifier/Honeywell/Jhonson Control)	Nos	50		
62	MANUAL CALL POINT Analogue addressable pull down type manual call point with address selection ( Make - Notifier/Honey well/Jhonson Control)	Nos	6		
63	Providing and fixing of CO2 GAS TYPE 4.5 Kg Fire Extinguisher duly ISI marked IS: 2878 complete with one meter wire braided hose pipe with horn i/c providing suitable mounting arrangement etc. Complete as required.	Nos.	16		
64	Providing and fixing of 6.0 Kg capacity ABC stored pressure type Fire Extinguisher duly ISI marked IS: 13849 with nozzle and delivery hose complet in all respect etc. Complete as required.	Nos.	16		
65	Supplying and Drawing Following Sizes of FRLS PVC insulated copper conductor, 2x1.5 sqm.m armoured cable	Meter	500		
66	SITC of analog addressable fire alarm control panel with battery backup and full features	Nos	3		
67	Providing & fixing GI cable tray with GI threaded				
	e) Cable Tray 300mm without cover f) Cable Tray 150mm without cover g) Raceway 75mm with cover h) Raceway 150mm with cover	Nos Nos Nos Nos	50 50 100 100		
68	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	20		

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

S.No.	Item/Description	Unit	Qty	Unit Rate (in Rs.)	Total Amount (in Rs.)
1.	Supply, Installation and Commissioning of New Lifts with latest available technology i.e. Gearless, Machine Room Less (MRL) with capacity to carry minimum 680 kg weight equivalent passengers with 4 stops at the speed of 1.5 mtr per second. The Lift shall be of Schindler/Mitsubishi/OTIS 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. These 02 Nos Lifts are to be installed in new lift well which will be constructed at the site.	No.	02		
2	Supply, Installation and Commissioning of New Lift with latest available technology i.e. Gearless, Machine Room Less (MRL) with capacity to carry minimum 340 kg weight equivalent passengers with 3 stops at the speed of 1.5 mtr per second. The Lift shall be of Schindler/Mitsubishi/OTIS 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. This lift to be installed in existing lift pit & lift well arrangement by replacing the old lift.	Nos.	1		
	Total Amount				
	Add : Applicable GST				
	Grand Total				
	*Less : Cost of Old Hydraulic Lift with machine room functioning system under buy back.				
	Net Grand Total Cost				

\* The old lift is to be removed from its existing set up and after dismantling the same will be removed from site/premises by the selected contractor and replaced with new lift with minimum time to avoid inconvenience to the building occupants/old lift users. Delay in work beyond 30 days time would attract penalty. The selected contractor shall also facilitate 3 yrs comprehensive warranty/guarantee for the lifts' complete maintenance.

**SIGNATURE OF BIDDER WITH SEAL AND DATE**



**AMC Rates – VRF Airconditioning System at Top Floor, FDABhawan, New Delhi – 110 002**

Projected charges for Comprehensive Annual Maintenance Contract (AMC) including the cost of spares & consumables, excluding taxes etc. fixed for 03 years after expiry of defects liability/guarantee/warrantee comprehensive free maintenance period of 24 months (02 yrs) from the date of installation and handing over the system for usage. Taxes shall be paid extra as per prevailing rates being statutory component likely to be changed during the period.

S.No.	Description of Items	Type	Capacity	Total AMC Charges for 03 Years in Rupees (INR)			
				3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total Charges for three years
(A)	VRF Air Conditioning System using Cassette Type Indoor Units for Air Flow/Circulation as per specification given in RFP	VRF Air Cooled (Cool and Hot)	Approx 50KWp				
(B)	<b>Total (in Rs.)</b>						

**Grand Total Amount for Three Years (03 Yrs) (excluding taxes) =**

**Note :** Evaluation of bids will be on Grand Total Amount quoted by the bidders (i.e. Aggregate for 3 yrs). The selected agency has to facilitate comprehensive AMC with the Original Equipment Manufacturer i.e. FSSAI and OEM.

**SIGNATURE OF BIDDER WITH SEAL AND DATE**

**Performance Security**

**FORM OF BANK GUARANTEE FOR PERFORMANCE SECURITY**

(To be stamped in accordance with Stamps Act of India)

1. THIS DEED of Guarantee made this day of \_\_\_\_\_ between \_\_\_\_\_ (Name of the Bank) (here in after called the “Bank”) of the one part and \_\_\_\_\_ (Name of the Department) (hereinafter called the “Department”) of the other part.
2. WHEREAS \_\_\_\_\_ (Name of the Department) has awarded the contract for renovation of NFL Building, Kolkata and creation of furnished office accommodation and other misc works for FSSAI’s Eastern Region Office (ERO), Kolkata for Rs. \_\_\_\_\_ (Rupees in figures and words) (hereinafter called the “contract”) to M/s \_\_\_\_\_ (Name of the contractor (hereinafter called the “contractor”).
3. AND WHEREAS THE Contractor is bound by the said Contract to submit to the Department a Performance Security for a total amount of Rs. \_\_\_\_\_ (Amount in figures and words).
4. NOW WE the Undersigned \_\_\_\_\_ (Name of the Bank) being fully authorized to sign and to incur obligations for and on behalf of and in the name of \_\_\_\_\_ (Full name of Bank), hereby declare that the said Bank will guarantee the Department the full amount of Rs. \_\_\_\_\_ (Amount in figures and words) as stated above.
5. After the Contractor has signed the aforementioned contract with the Department, the Bank is engaged to pay the Department, any amount up to and inclusive of the aforementioned full amount upon written order form the Department to indemnify the Department for any liability of damage resulting from any defects of shortcomings of the Contractor or the debts he may have incurred to any parties involved in the Works under the Contract mentioned above, whether these defects or shortcomings or debts are actual or estimated or expected. The bank will deliver the money required by the Department immediately on demand without delay without reference to the Contractor and without the necessity of a previous notice of or judicial or administrative procedures and without it being necessary to prove to the Bank the liability of damages resulting from any defects of shortcomings or debts of the Contractor. The bank shall pay to the Department any money so demanded notwithstanding any dispute /disputes raised by the Contractor in any suit of proceedings pending before any Court, Tribunal or Arbitrator(s) relating thereto and the liability under this guarantee shall be absolute and unequivocal.

6. THIS GUARANTEE is valid for a period of \_\_\_\_\_ months from the date of signing. (The initial period for which this Guarantee will be valid must be for at least six months longer than the anticipated expiry date of the Contract period).
7. At any time during the period in which this Guarantee is still valid, if the Department agree to grant a time of extension to the contractor or if the contractor fails to complete the works within the time of completion as stated in the contract, or fails to discharge himself of the liability or damage or debts as stated above, it is understood that the Bank will extend this Guarantee under the same conditions for the required time on demand by the Department and at the cost of the contractor.
8. The Guarantee hereinbefore contained shall not be affected by any change in the Constitution of the Bank of the contractor.
9. The Neglect of forbearance of the Department in enforcement of payment of any moneys, the payment where of is intended to be hereby secured or the given of time by the Department for the payment hereof shall in no way relieve the Bank of their liability under this deed.
10. The expressions “the Department”, “the Bank” and “the Contractor” herein before used shall include their respective successor and assigns.

IN WITNESS whereof I/We of; the bank has signed and sealed this guarantee on the \_\_\_\_\_ day of \_\_\_\_\_ (Month) \_\_\_\_\_ (Year) being herewith duly authorized.

For and on behalf of  
the \_\_\_\_\_ Bank.

Signature of authorized Bank official

Name \_\_\_\_\_

Designation \_\_\_\_\_

I.D. No. \_\_\_\_\_

Stamp/ Seal of the Bank.

Signed, sealed and delivered for and on behalf of the Bank by the above named \_\_\_\_\_ in the presence of :

Witness- 1

Signature \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Witness- 2

Signature \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

**CHECKLIST - FOR BIDDERS**

<b>S No.</b>	<b>Details</b>	<b>Yes / No</b>	<b>Remarks</b>
<b>01.</b>	Enclose DD for Rs.500/- in favour of Sr. Accounts Officer, FSSAI towards the cost of Tender Documents		
<b>02.</b>	DD for Rs.25,00,000/- (Rupees Twenty Lakhs Only) in favour of Sr. Accounts Officer, FSSAI towards EMD.		
<b>03.</b>	Tender Form : Annexure – 1		
<b>04.</b>	Tender document duly signed and stamped on each page.		
<b>05.</b>	Bidder Profile – : Annexure – 2		
<b>06.</b>	Financial Status : Annexure – 3		
<b>07.</b>	Letter of Authority : Annexure–4		
<b>08.</b>	Financial - Bid : Annexure – 5		
<b>09.</b>	Power of attorney in favour of Signatory		
<b>10.</b>	Enclosed Xerox copy of PAN Card		
<b>11.</b>	Enclosed Xerox copy of GST Registration Certificate		
<b>12.</b>	Enclosed Xerox copy of EPF/ESI Registration Certificate		
<b>13.</b>	Attached the copies of the financial statements, including all related notes and income statement for the last three Financial years i.e. 2015-16, 2016-17 and 2017 – 18 in support of annual turnover.		
<b>14.</b>	Enclosed copy of work orders/ contract in support of eligibility at technical stage for the past work done for similar nature of job in Govt. Organisation.		

Note: Please note that in case if any of the documents mentioned in above is/are not enclosed, bid will be rejected summarily.

**SIGNATURE OF BIDDER WITH SEAL AND DATE**