

File No.20-03/GA/2018 - FSSAI
Food Safety and Standards Authority of India
(A Statutory Regulatory Authority of Govt of India)
Ministry of Health and Family Welfare
FDA Bhawan, Kotla Road, New Delhi-110 002

dated the 28th March, 2019

CORRIGENDUM

TO

RFP No. 20-03/GA/2018-FSSAI (KOL) ISSUED FOR RENOVATION OF NFL KOLKATA AND CONSTRUCTION OF FURNISHED OFFICE ACCOMMODATION AND OTHER MISC WORK AT CFL BUILDING, KOLKATA (WEST BENGAL)

1. Further to this office Tender Enquiry dated 7th March, 2019 published on 8th March, 2019 on the subject cited above and Pre-Bid conference held on 15th March, 2019.
2. The Price Bid Format (Revised) (Annexure-V) be used for submission of financial bid for the subject work as mentioned below next page onwards. The items mentioned in revised format may be construed as replacement of part-II para 6.2 of the RFP/Tender Notice. Bidders are advised to ignore the previous format part of RFP published on 8th March, 2019 which would not be considered valid. Rest of the Tender Notice conditions remains same.

Sd/-
(Ravinder Kumar)
Asstt Dir (GA)

Annexure – 5
(Part-I)

Price-Bid (Revised)

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

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 & 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:-</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 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:- 48 kg/m³, 100mm thk Fiber glass roof insulation</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 + 6mm thick fiber cement board fixed in horizontal grooves to cover up the joints of 12mm board below.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</p>	sqm	660	-	250					
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<p>48kg/m³ 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</p> <p>Wall Insulation:- 50mm thick mineral wool 48kg/m³ 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 & exterior including Jointing & 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 & 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</p>												
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	roof projections/ sunshades, or height.) (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) The above works include removal / shifting of all services existing on the relevant area as per the instruction of officer – in –charge.								
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		250				
3	Providing RCC Plinth beam of 140 x 300mm with nominal reinforcement of 12mm TMT bars & M20 concrete for fixing of LGSF wall by means of anchor fastener.	mtr	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	Providing & laying in position cement concrete in floor 1:5:10 (1 Cement: 5 Corase Sand : 10 Graded Stone Aggregate 40mm Nominal size) Average 75mm thick.	cum	-	7	15				
6	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				
7	Flooring (Dry Area): Floor tiles and skirting (100 mm height) in general & dry areas shall be of Vitrified Tiles up to size of 800x800mm of approved color laid on a bed of average 20mm thick cement mortar 1:3 (1Cement:3 Coarse sand) finished with a flush pointing in tile grout with matching pigment including preparation of	sqm	770	1200	250				

	surface, cleaning etc complete. (Base Price – Rs. 100/Sqft) (Kajaria/Nitco/Somani or equivalent make)								
8	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				
9	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/ mortar , finishing, cleaning etc complete. Joints to be finished with tile grout with matching pigment etc. Complete (Base Price – Rs. 60/Sqft) (Kajaria/Nitco/ equivalent make)	sqm	200	350	70				
10	Water Proofing (Toilet wall & floor area) : Water proofing with blastomeric modified APP polymer membrane reinforced with non woven fibre in Toilet areas.	sqm	100	150	50				

11	<p>False Ceiling : Providing and fixing false ceiling of approved materials (Gypsum/Tile) of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet,1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Officer-in-Charge. Ceiling Lay in plain</p>	sqm	550	800	250									
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	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.								
12	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				
13	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 0.6mm toughened glass (double glass with airgap between them of approx 10mm) fixed using rubber gasket.	sqm	80	250	30				
14	Electricals: Providing electrical work in covered area comprising of PVC Conducing, Point wiring (Havells/Polycab/Finolex 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/client scope) Including Main, Sub-main wiring, MCCB, RCCB, 4 way TPN, buzz bars etc complete as per design and details provided by Officer-in-charge.	sqm	600	1,200	200				

15	Civil work : Dismantling of existing roof and providing the steel girder with red sand stone and concrete/ decking sheet/checkered plate as the case may be , ceiling/wall plaster (inside and outside), matching the level with existing roof. Complete as per design.	sqm	-	-	150					
16	Providing and fixing of steel frame as per structure drawing and 8-10mm polycarbonate sheet as per the design.	sqm	100	-	100					
17	Providing 20mm thick plaster of paris (gypsum anhydrous) ceiling up to height of 5m above floor level including coves & moulding as per sample approved/ drawing supplied 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 running in a direction perpendicular to G.I channel fixed with self tapping 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	sqm	150	400	50					
18	Civil construction of store/toilets area on, raising	sqm	60	-	50					

	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 and inside toilet, inside & outside plaster, PCC under floor, required electrical works, complete with aluminum doors & windows. Including the civil work for nearest functional sewer etc. complete as per the direction of officer – in – charge.								
19	Plumbing: Providing Plumbing Lines in Toilets of 20mm or as per direction 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 the connection with supply and sewer as per detail , all required elbows, bends, floor traps, complete. (All Other CP and chinaware Fittings & Fixtures separate)	sqm	70	60	30				

20	<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 & floor upto the pit level, raising 9” brick walls on all four sides, laying RCC beams & lintels at all door levels, water proofing inside the lift pit, required electrical work in the shaft, plaster inside & outside of the walls & 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 & 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 8 PASSENGER HYDRAULIC LIFT WITH NEW LIFT</p>	No	2	1	0								
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21	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					
22	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/m ³ polyurethane mould and back cushion should be made up of 38mm thick High Density 33±2 Kg/m ³ . 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><u>Specifications for conference room revolving chair:</u> 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	-					

	<p>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.</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><u>Specifications for fixed base cushion chair for conference room :</u></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					

	<p>Note -The back and base of the chair should be supplied with fabric upholstered. All material should be used of relevant ISI specification The dimensions of the chairs should be as follows: Overall Height of chair : 890 mm max. The chair should be preferably the same model/alike as that of conference room chair.</p>								
4	<p>Providing and fixing CONFERENCE ROOM Table 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	-				
	<p>2) Conference Table 3 Seater (1800 mm x 600 mm)</p>	Nos	2	2	-				

	2) Conference Table 1 Seater (750 mm x 600 mm)	Nos	4	4	-					
	Note : The seating system design shall be modular / changeable as per drawing attached.									
5	<p>Specifications for lounge sofa sets: 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 = 45 ± 2 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>Specifications for centre table : 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 & centretable should be from the same model/alike.</p>	Nos	4	4	-					

7	<p>Specifications for side table : 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 & 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					
11	<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					

12	<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 & veneer with polish covered with toughned glass of same size using stickers/film pasted using stainless steel spacers as approved – 02 Nos</p>	Sqm	6	6	2					
13	Conference Room: Providing and fixing Acoustic Panel of 9mm thickness of Ecoboard polyester fibre acoustical wall panels complete with fixing and with approved color as per design and drawing on existing surface	Sqm	150	200	-					
14	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					
15	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	Nos	6	30	-					

<p>client. The side and rear, 2100mm high partition panel of 50mm width, made up of multiple layers of 12mm / 19mm block board with outer finished paneling of laminate and tackable fabric as per the drawing provided. This partition member shall have in it a hollow space to run the Data and power cables, + space for recessed switch plate as per drawing provided, the said partition panels to have partly toughened glass verticals as design elements. The tack-able fabric shall be mounted on 12mm soft board including a set of trays with it. The color and texture of laminate, fabric etc. shall be a combination (asper the design or choice of the office in charge) as decided by buyer. The unit shall have a cabinets / drawers unit as per drawing provided. The drawers shall be supported on telescopic runners of hettich / ozone equivalent make. The lower portion shall have hinged shutter doors as per drawing, with spring loaded self closing hinges of hettich or equivalent make. All the drawers, cabinets shall have a tumbler locking mechanism classic furniture pad lock with steel/ nickel finish, of godrej / doorset / harison or equivalent make. All the handles shall be S.S brushed finish and to be as per approval by buyer/ client . The flat exposed edges shall be sealed with 4mm thick teak wood lipping duly duco painted in matching colour to the laminate around. The unit shall be complete in all respect including making space & provisions for electrical agency for laying of wiring (telephone, power, data and voice) in provided raceways and provisions for fixing of</p>									
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	switch plates, switches, sockets etc. The complete unit shall be having wire managers, required accessories etc. to be installed as directed.								
16	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	-				
17	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	-				
18	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				

19	<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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20	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					
21	Providing & laying matt finish terrace tiles as per design ,tiles to be layed on cement mortar giving proper rain water slope as per design.	Sqm	120	50	200					
22	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					
23	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					

24	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					
25	Providing & fixing un plastic is edpvc triple layer overhead water storage tank	Ltr	2,000	5,000	2,000					
26	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						
27	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					

28	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					
29	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					
30	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					
31	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					
32	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					

33	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					
34	Providing & fixing wall hung toilet with soft close seat and cover of size 560x365x355mm of Kohler / Jaguar or equivalent make complete as per the direction of the Officer in charge	each	6	10	2					
35	Providing & fixing Lavatory in white colour wash basin of Kohler / Jaguar or equivalent make complete as per the direction of the Officer in charge	each	6	8	2					
36	Providing & fixing PVC concealed cistern with plate 8857 fitting & fixture of Kohler / jaguar or equivalent make complete as per the direction of the Officer in charge	each	6	10	2					
37	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					
38	Providing & fixing white vitreous wall hung urinal with concealed fitting of Kohler / jaguar or equivalent make with back inlet and valve outlet including fixing to wall suitable brackets all as per manufacturer specifications and as per the direction of the Officer in charge	each	4	10	2					

39	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					
40	Providing & fixing anti cockroach floor drain cardinetc complete as per the directions of the concerned officer in charge	each	10	20	4					
41	Providing & supplying mini fridge for storing minor soft drinks, juices or water bottles for placing inside wooden pantry cabinet	Each	1	1	-					
42	Providing & fixing bottle trap of Kohler / Jaguar or equivalent make etc complete as per the directions.	each	5	10	2					
43	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					
44	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					
45	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					
46	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.									
47	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	-	-					
48	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					
49	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					

50	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					
51	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					
52	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					
53	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					

54	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					
55	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					
56	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					
57	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					
58	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					
59	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					

60	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					
61	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					
62	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					
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 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					
68	Malamine polish with finish in gloss/matt of required shade over wooden surface including preparation of surface complete.	Sqm	30	50	10					
69	Providing & installation of 6mm th. Loop pile carpet on steps / floor / panelling in walls	Sqm	20	30	20					
70	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 ``	``	30	50	10					
71	Suppling, drilling, cleaning hole in RCC & fixing HILTI make Mechanical fastener HST3 M12x 125	Each	30	300	100					
72	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					
73	Dismantling of all toilets including all piping work, CP fittings, China wares, CI & GI pipes including the stacking of useful materials.	LS	-	-	-					
74	Providing & fixing 18mm th. BWP plyboard on steps in conference/training room and similar	Sqm	50	50	-					

	locations complete with necessary hardware.									
75	Providing & fixing merine ply shuttering with struts & props in counters & lintels	Sqm	20	20	10					
76	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 manufacturer's specification	Sqm	30	80	30					
77	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					
78	Providing & Fixing 4mm Veneer on existing ply Partition or above wall panellings	Sqm	200	350	100					
79	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					
80	Providing & fixing Geysers for Kitchen, toilet, Creche and GyM in 25 ltr capacity each complete including copper pipes for connection and nut bolts complete	Each	1	2	3					
81	SITC profile lights of size 50mm x 75mm in class room corridor	Each	10	5	-					

82	Providing & applying enamel paint over an undercoat of red oxide primer on steel / MS structure or grills etc.	Sqm	30	50	20					
83	Providing and installing weatherproof electrical box on terrace for AC units	Each	4	4	2					
84	Providing & Installing buzz bars in required amperage for load distribution	Each	1	2	1					
85	Providing & fixing 4mm coloured lacquer glass fixed with silicon on 12mm ply panelling on walls wherever required as per design	Sqm	10	10	5					
86	Latherite panelling over 12mm ply base with 50mm foam filing and stitching as per design issued in the training room area	Sqm	10	10	-					
87	3D Panelling over 12mm ply base on wooden frame with cove, finished with duco paint	Sqm	10	10	-					
88	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					
89	Providing and fixing MDF Jali with top finish of duco paint as per design issued	Sqm	10	-	-					
90	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	Sqm	30	100	100					

	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									
91	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					

92	Wood work & furniture for Creche:		Qty	Unit Rate	Total Amount
	Providing & fixing in 19 mm thk board of century and colourful laminate (1.0 mm thk) of standard make Century, green lam or equivalent. Including all hardware as per the design.				
a	Kids table (size 3'x3' round)	nos	6		
b	Pigeon rack	sqm	60		
c	Office table (std size)	nos	2		
d	Partition (as per design)	sqm	50		
e	Cupboard- As per design	sqm	20		
f	Bunker bed with Steel / Wooden frame as per the design of size 3'0/4'0 x 5'6"/6'0	nos	3		
93	Providing & fixing wall paper(tailor made) with specified design and quality as approved by the Officer in Charge	Sqm	50		
94	Poviding and fixing of Pin board & white board of specified size and design a per the drawing.	Sqm	15		
95	Low Height bed with water proof soft & sturdy mattress (Minimum 200 MM thk- PU Foam + Latex with organic fabric) with covering of Removable machine washable cover (double set) specified design and size as per the drawing and Officer - in- Charge.	Sqm	25		
96	Providing items for Kids as per broad details given below				
(a)	Age group of 1-2 years - Fisher Price- Hoopla Baby bouncer, Little hooper toddler, 3in 1 rocker napper etc as approved	Nos	6		
(b)	Age group of 2-4 years - Fisher Price- Poartable high chair as approved	Nos	8		

(c)	Fisher price - rocky horse and others as per the direction and approval of Officer- in-charge	Nos	6		
97	Providing & laying of the following items :- (i) Grass in the open area - 25 sqm (ii) Pavement Tile (branded) - 25 sqm of the approved size brand/color (iii) Swings i.e. Slide (high quality) - 01 Nos, (iv) Exterior Ist quality branded wall tiles as per approved design/brand - approx 80 sqm and Landscaping complete as per the drawing and direction of Officer in Charge	L.S. (for total 50sqm area)			
98	Supply and installation of Smart LED TV - 43" of Samsung/LG/ Sony/Panasonic complete .	Nos	8		
99	Washing Machine - Front Loading IFB with upto 8 kg load capacity.	No	1		
100	Providing & fixing of Gym equipment of international brand / Standards with 3 year on site warranty/AMC				
a	Treadmill with the speed of 1-20 Km/h, min 4HP motor (8 HP peak), Preinstalled programme, LED display, 4 mm Belt with aluminum body.	Nos	3		
b	5-Station commercial multi gym machine with four side stacks WEIGHT STACK. Weight stack 140 Kg. Plastic Coating Weight Plate and Cast Cements Inside. ANTI SCRACHED Anti Scratched Powder Coating Finish. DENSITY High Density Upholstered Seat & Back Pads. G.W 95 Kg. N.W 91.5 Kg. MAIN FUNCTION Chest Press/Lag Extension/Pulling /Butterfly / Biceps.	Nos	2		

	NEVIGATION High Intensity Navigation Durablewire Steel Steel with 6 mm Diameter				
c	Power bike (cycle for exercise) with computer function - time , distance, pulse, , Calorie, RPM etc. With preloaded programme etc.	Nos	3		
d	Elliptical Trainer	Nos	2		
e	Gym Accessories				
1	Cable Cross (Athlete Jump Rope)	nos	6		
2	Push up Bars (pair)	nos	4		
3	Kettle Bells (min 2 kg and upto 20kg)	nos	4		
4	Round rubber Dumbbells	nos	4		
5	Gym Rod	nos	3		
6	Gym Ball (Std)	nos	4		
7	Aerobic stepper	nos	6		
8	Yoga Mat (Standard Size)	nos	10		
101	Sports Equipment/Items				
A	Table Tennis Table of standard size (make stag or equivalent) with accessories like net, six rackets etc (complete ready to use)	Nos	1		
B	Precise Carom Board Game Board Champion Bulldog Jumbo English Ply Wood Board with Coin, Striker & Powder, Approved By AICF & ICF, Official Board for International Carrom World Cup	Nos	2		
C	Chess Set with Finely Carved Heavy-set Wooden Pieces and Wooden Board Large Size	Nos	2		

102	Water Cooler (Storage Capacity of minimum 25 Ltrs) make Voltas	Nos	3		
103	Water Purifying System (RO + UV based i.e. Reverse Osmose technology + Infrared technique) (commercial model) with capacity to purify raw/boring ground and normal municipality supply water with capacity to dispense minimum 35Ltr per hr make Eureka Forbes/Kent or equivalent with three years fully comprehensive on site warranty	Nos	3		

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					
1 (A)	<u>Installation of Variable Refrigerant Flow System</u> Supply 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					
1 (B)	<u>INDOOR UNIT</u> 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.									
Part B-i	4 way cassette with wired/corded remote 6 HP Cassette	Nos	8	-	-					
B-ii	5 HP Cassette	Nos	2	8	-					
B-iii	4 HP Cassette	Nos	5	12	10					
B-iv	3 HP Cassette	Nos	2	9	-					
B-v	2.5HP Cassette	Nos	-	1	-					
C	Y-Joints	Nos	19	54	9					
D	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			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	Installation of Variabe Refrigerant Flow System – Setfree									
Part-A										

<p>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.</p>									
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Air-conditioning System’s other requirements for installations

A-1	Installation, Testing and Commissioning Outdoor Unit									
	48 HP	Nos	1	2	1					
	36 HP	Nos	1	2	1					
	Indoor Units									
	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.1	Cassette Units									
	2.5 HP	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.2	Hi-Wall Units									
	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					
2	Refrigerant Piping, Drain Piping and Cabling									

	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					
3	Cable Tray									
	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	-	-					
4	Supply, installation, testing & commissioning of Refnet Joints									

	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					
<u>5</u>	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					
	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 20 Nos high resolution HD Camera which may work in night also i.e. Night vision HD Camera (bullet type / dome type) 8 Cameras 2.0 MP or more with three DVRs and three 4 TB HDDs and Related Cables and Accessories (Three Sets) as per details provided by officer in charge	Panasonic/ CP Plus/ Hikvision	1	1	1					
2	Supply and installation of Smart LED – 40 Inch	Panasonic/ Sharp/ Sony	1	1	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 minium 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	Samsun/Panasonic/Sharp	4	4	2					

4	Wall Mount for Above Display	Custom	9	9	3					
5	Cable Cubby with 1 VGA-A, HDMI, Data X 2 with 2 Power	Extron/Kramer/Eisconnect	1	1	1					
6	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					
7	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					
8	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					
9	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					
10	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,	Clearone, Cisco, Panasonic	1	1	1					

	Picture-in-picture, built in 4 way multipoint, 1 year Warranty								
11	Boundary Microphone (half-cardioid) with 3-pin XLR connector, black	Beyerdynamic, Clock Audio/ Sennhiezer	14	14	8				
12	Digital Signal Processor, 12 balanced microphone/Line input, 12 balanced microphone/ line output, 24 bit A/D, D/A conversion, 64 bit processing core, Built in AEC, AFC, Auto Mixer, RS232 bidirectional control, supports third party control, supports 50 preset function etc	Biamp/ Crestron/ Tekink	2	2	1				
13	Wireless Handheld Microphone, UHF, Frequency Range 576 to 865 MHz, Electro condenser microphone, 16 selectable channel, balance XLR output, Receiving Sensitivity 90 DB or more, Signal to noise Ratio 104 dB or more, Frequency Response 100 Hz-15KHz	Beyerdynamic, Clock Audio/ Sennhiezer	1	1	1				
14	Two-channel, 350W @ 4Ω Power Amplifier	Extron, Crown, TOA	1	1	1				
15	Two-way in-ceiling loudspeaker, 6.5" LF & 1" Tweeter, 80hm/60 Watts, 60Hz - 20KHz , White – PAIR	Apart, TOA,JBL	4	4	4				
16	HDMI Cable, MIC Cable, Speaker Cables, Cat6	Beldon/ Extron/ Linetek	LOT	LOT	LOT				
17	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				
18	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					
A	Dismantling									
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	CC & RCC Work									
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					

3	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					
C	Masonry Work									
4	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					
5	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					
6	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					
7	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					
8	Brick bat coba waterproofing 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					
D	Finishing Work									
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					
2	Internal Wall Paint : 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	Sqm	500	2,500	250					

	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.									
4	External Wall Paint :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					
5	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					
6	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					
E	FLOORING									
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, fascia 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 consider basic rate Rs 150/sqft (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					
8	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					
9	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					
F	STRUCTURE WORK									
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	KG	3,000	1,000	2,000					

	coat of approved steel primer all complete:									
G	Plumbing & Drainage									
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					
6	Providing & Fixing CPVC Ball Valve									
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					

H	Miscellaneous Work									
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					
2	Providing and applying of Pest Control including Anti Termite Treatment in the existing building/premises and surrounding open areas and drains	Sqm	-	500	500					

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 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		
18	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		
19	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		
20	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		
21	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		
22	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		

23	Supply of recessed LED light fixture of size not less than 590x 590x77 mm having minimum lumen output of 3300 lumens & maximum 43 watt, driver efficiency more than 80% , pf- more than 0.9 shall have elegant, crack 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 efficiency and low power- loss. The fixture shall be suitable for WHITE LIGHT (5700 -6500k), CRI >80, color light. The fixture, complete 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		
23A	Supply of surface mounted LED downlighter, the power consumption of fixture is upto 15 W and producing a lumen output 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	80		
24	Supply of recess mounted LED downlighter, the power consumption of fixture is upto 15 W and producing a lumen output 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		
25	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		
26	Supply of upto 450mm sweep heavy duty exhaust fan complete with louvers etc.	Nos	14		
27	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,	Each	2		

	interconnections, powder painted including earthing etc. as required (But without MCB/RCCB/Isolator) a) 12 Way, Double Door				
28	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 415 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		
29	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		
29a	RCCB 4 pole in 40amp	Each	5		
30	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		
30a	RCCB 4 pole in 63amp	Each	5		
31	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		
32	Supply and Fixing of single pole blanking plate in the existing MCB DB complete etc as required	Each	20		

33	<p>MAIN LT PANEL Fabrication, supply, installtion, testing and commissioning of cubile 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. 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. C) Bus Bar chamber four strip 200amp aluminium bus bar with dheat shrinkable PVC Slevs - 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		
34	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 AI conductor armoured cable	Meter	0		
	b) 3.5x50 sq mm XLPE insulated AI, conductor armoured cable	Meter	30		
	c) 3.5 X 95 sqmm. XLPE insulated AI. Conductor armoured cable	Meter	150		
	d) 4X25 sqmm. XLPE insulated AI. Conductor armoured cable	Meter	30		
35	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		

36	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		
37	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		
38	Supplying and making indoor end terminaitaion 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		
39	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		
40	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		
41	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		
42	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		
43	Providing and Fixing 25mmx5mm G.I. strip on surface or in recess for connections etc as required	Meter	100		
44	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		
45	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		
46	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		
47	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		
48	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		
49	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		
50	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		
51	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		
52	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		

53	SMOKE DETECTORS (A) Supply, Installation, Testing and Commissioning 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		
54	Hooter cum Strob 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/Johnson Control	Nos	6		
55	RESPONSE INDICATORS Supply, installation, testing and commissioning of Response Indicators with single LED (Make - Notifier/Honeywell/Jhonson Control)	Nos	50		
56	MANUAL CALL POINT Analogue addressable pull down type manual call point with address selection (Make - Notifier/Honeywell/Jhonson Control)	Nos	6		
57	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		
58	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		
59	Supplying and Drawing Following Sizes of FRLS PVC insulated copper conductor, 2x1.5 sqm.m armoured cable	Meter	500		
60	SITC of analog addressable fire alarm control panel with battery backup and full features	Nos	3		

61	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		
62	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		

OUTDOOR FURNITURE ITEMS

S.No.	Description of Items	Units/Qty			Rate	Amount
1	Garden Furniture ie Plastic Moulding material of Ist Quality with Water Proof Umbrella approx 6ft circle area					
	(a) Table with provision to install/fix Umbrella to provide coverage from sun/rain etc.	(size 3.5 ft to 4 ft} of established brand	05	Nos		
	(b) Fine Plastic Moulded Chairs of high good quality with arms	(normal size) of established brand compatible with table	20	Nos		
	(b) Waterproof outdoor Umbrella to provide cover/shelter to table/chairs	(size 5 to 6 ft circle]	05	Nos		
	Total Amount (Without Taxes)					
	Add : Applicable Taxes					
	Grand Total Amount					

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 (10 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 544 kg weight equivalent passengers (08 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. This lift to be installed in existing lift pit & lift well arrangement by replacing the old hydraulic lift.	Nos.	01		
	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

Price Bid Format

Price for Fully Comprehensive Preventive Maintenance for the Air Conditioning System

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/warranty 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 rd Year	4 th Year	5 th 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)	As Installed				
(B)	Total (in Rs.)						

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)

SIGNATURE OF BIDDER WITH SEAL AND DATE

Annexure-5
(Part-III for Lift AMC)

AMC Rates - Lifts

Projected charges for Comprehensive Annual Maintenance Contract (AMC) including the cost of spares & consumables, excluding taxes etc. fixed for 05 years after expiry of defects liability/guarantee/comprehensive free maintenance period of 24 months (02 yrs). 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	Qty	Annual Maintenance Charges (AMC) in Rs. (After expiry of comprehensive warrantee period of 02 yrs)					Total AMC Charges for 05 Years in Rupees (INR)
				3 rd Year	4 th Year	5 th Year	6 th Year	7 th Year	
(A)	Three Passenger Lifts	Gearless/MRL	03						
(B)	Total (in Rs.)								

Grand Total Amount for Five Years (05 Yrs) (excluding taxes) =

Note : Evaluation of bids will be on Grand Total Amount quoted by the bidders (i.e. aggregate for 5 yrs)

Signature of the Bidder with seal