

ANNEXURE- VII

SUMMARY OF INTERIOR WORKS					
S.No	DESCRIPTION	TOTAL SUPPLY		TOTAL ERECTION	
		Rs. (in fig)	Rs. (in words)	Rs. (in fig)	Rs. (in words)
1	OFFICE FURNISHING				
2	LOOSE FURNITURES / WORKSTATIONS				
3	ELECTRICAL / IT WORKS				
4	AV SYSTEM				
GRAND TOTAL					

INTEGRATED VACCINES COMPLEX, CHENGALPATTU

BOQ 1 - INTERIOR FURNISHING

S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1	GENERAL CIVIL WORKS							
1.1	BLOCK MASONARY							
	Providing and constructing Aerated cement light weight concrete block masonry work at all levels in cement mortar 1:4 using standard size and of thickness as given below, including all scaffolding, staging, curing, raking of joints for all lifts etc. complete and as directed. Rate shall include providing RCC binders in mix proportion 1:2:4, 75mm thick reinforced with 2 nos. of 8 mm dia Fe 415 bars with 8 mm dia TOR steel tie bars at 300 mm c/c, RCC binders to be at every 1 metre interval from floor level, including cost of reinforcement and formwork, scaffolding, all labour, hire and fuel charges for all tools and plants employed, proper cover blocks for reinforcement and all other incidental charges etc., all complete and as directed. (cement plaster to be paid in separate item)							
1.1.1	125mm thick finished wall, of 100mm thick aerated blocks	SQM	50					
1.1.2	175mm thick finished wall, of 150mm thick aerated blocks	SQM	50					
1.1.3	225mm thick finished wall of 200mm thick aerated blocks	SQM	50					
1.2	CEMENT PLASTERING							
	Providing and applying in one coat, 12mm thick plaster on internal surface of RCC / brick/block walls in cement mortar 1:6, finished rough to take on POP punning. Rate shall include for scaffolding, making grooves, sills, pattas, curing, surface preparation before the application of plaster, providing galvanized chicken mesh to a width of 150 mm at the junctions of masonry and concrete works including tying in position by using suitable nails / clamps / screws and as directed etc. complete at all levels. The contractor shall make good the grooves, pockets etc. after the scaffolding is removed.	SQM	100					
1.3	EMULSION PAINTING (CIVIL WALL)							
	Application of two/three coats of wall care(POP & Putty), rubbing the surface to make it smooth and applying one coat of primer and two coats of Plastic emulsion paint to Existing civil walls as per Paint of approved make. (The color shade will be as per client approval.) Note: The Scope also includes to apply wall putty(White cement of approved make), chipping and to clean the debris.	SQM	250					
1.4	EMULSION PAINTING (GYPSUM WALL / CEILING)							
	Application of two coats of wall care, rubbing the surface to make it smooth and applying one coat of primer and two coats of Plastic emulsion paint in Gypsum wall and Ceilings as per Paint of approved make. (The color shade will be as per client approval.) Note: The Scope also includes to apply wall putty(White cement of approved make), chipping and to clean the debris.	SQM	200					

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1.5	WATER PROOFING							
	Providing and laying waterproofing for toilets/ kitchen (flat slab) with Cementitious Catalytic In- Depth Crystalline Water proofing system as per technical specifications and as approved by the engineer-in-charge with guarantee of 15 years .	SQM	50					
1.6	DEMOLITION OF BLOCKWALL / DEBRIS CLEANING							
	Demolition of existing block wall to make full height glass walls or gypsum wall partition as per the design requirements. The scope also includes cleaning the debris and proper disposal of the same.	SQM	100					
1.7	LAYING OF SCREED							
	Providing, laying in thickness of 75mm (average) PCC of mix proportion 1:2:4, after the raceways are laid and finishing the same with 8mm thick CM 1:3 as smooth finish on top. The contractor to match the level of the existing floor. The scope also includes the levelling, Chipping and preparation of surface before laying the screed.	SQM	1000					
2	FLOORING WORKS							
2.1	VITRIFIED TILES [VT-01]							
	Providing and laying 600mm x 600mm Eco friendly Vitrified Tiles for Flooring of approved make with water absorption's less than 0.08% and conforming to IS : 15622 , approved sample in pattern as per detailed drawings up to 20mm-30mm thick bed of 1:4 cement mortar including surface preparation, giving necessary slopes, cleaning joints and grouting them in neat white cement paste with pigmented additives to match shade of the tile. etc complete It with taping on all the joint. Item also includes & covered the entire flooring with good quality plastic & POP above. Cover & Tape to be removed before final cleaning etc. complete as directed by Engineer In charge. Vitrified tiles in flooring size 600MM x 600MM.The scope also includes the vitrified skirting wherever necessary.The tile sample to be approved by client. Basic rate of Tile @ Rs. 1450/- per SqM.	sqm	50					
2.2	VITRIFIED TILES [VT-02]							
	Providing and laying Eco friendly 600x600x10mm thick non skid surface Vitrified Tiles for Flooring of approved make and pattern as per detailed drawings laid over cement mortar bed of 20 - 30 mm thick in 1:4 proportion (1 cement and 4 Sand) including surface preparation, cutting tiles to required size and pattern, giving necessary slopes, cleaning joints and grouting them in neat white cement paste with pigmented additives to match shade of the tile etc. Vitrified tiles in flooring size 600MM x 600MM.The scope also includes vitrified tile skirting complete. The scope also includes the vitrified skirting wherever necessary.The tile sample to be approved by client. Basic Rate of Tile @ Rs 800/- per SQM.	sqm	95					

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S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
2.3	VITRIFIED TILES [VT-03]							
	Providing and laying 600mm x 600mm Vitrified Tiles for Flooring of approved make with water absorption's less than 0.08% and conforming to IS : 15622 , approved sample in pattern as per detailed drawings up to 20mm-30mm thick bed of 1:4 cement mortar including surface preparation, giving necessary slopes, cleaning joints and grouting them in neat white cement paste with pigmented additives to match shade of the tile. etc complete with taping on all the joint. Item also includes & covered the entire flooring with good quality plastic & POP above. Vitrified tiles in flooring size 600MM x 600MM.The scope also includes vitrified tile skirting complete.Cover & Tape to be removed before final cleaning etc. complete as directed by Engineer In charge. Basic Rate of Tile @ Rs 600/- per SQM.	sqm	400					
2.4	VINYL FLOORING (VYL-01)							
	Providing & Laying of homogeneous 2mm thick vinyl flooring of size 2m sheet on smooth and level cement floor surface, with adhesive like VOC free water based adhesive Arobond 44 of Arofine Polymer as per specification mentioned. STRUCTURE Material Polyvinyl chloride Pattern :Scattered, non-directional Commercial EN685 class 34 very heavy duty. SAFETY CRITERIA Flammability EN 13501-1 class Bfl -s1 Slip resistance ASR A1.5 / Dynamic coeffi cient of friction EN 13893 class DS Decontamination ISO 8690 rating good PERFORMANCE BEHAVIOR Sheet width EN 426 m 1.83 Sheet length EN 426 m 16-25 Overall thickness EN 428 mm 2.0 Total weight EN 430 kg/m2 3.3 Note: The Sample flooring and Data sheets should get approved from Client before supply & Installation. Also the certificate from vendor to be produced stating the flooring supplied are very heavy duty and homogeneous in construction. Further the material supplied should inline with the detailed tender specification S.no 2.4	sqm	800					

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S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
2.5	VINYL FLOORING [VYL-02]							
	<p>Providing & Laying of heterogeneous 2mm thick vinyl flooring of size 2m sheet on smooth and level cement floor surface, with adhesive like VOC free water based adhesive Arobond 44 of Arofine Polymer as per specification mentioned.</p> <p>STRUCTURE Material Polyvinyl chloride Pattern :Scattered, non-directional Commercial EN495 class 23 Commercial Duty application</p> <p>SAFETY CRITERIA Flammability EN 13501-1 class Bfl -s1 Slip resistance ASR A1.5 / Dynamic coefficient of friction EN 13893 class DS Decontamination ISO 8690 rating good</p> <p>PERFORMANCE BEHAVIOR Sheet width EN 426 m 1.83 Sheet length EN 426 m 16-25 Overall thickness EN 428 mm 2.0 Total weight EN 430 kg/m2 3.3</p> <p>Note: The Sample flooring and Data sheets should get approved from Client before supply & Installation. Also the certificate from vendor to be produced stating the flooring supplied are very heavy duty and homogeneous in construction. Further the material supplied should inline with the detailed tender specification S.no 2.4</p>	sqm	115					
2.6	CARPET TILES [CPTS 1 & 2]							
	<p>Providing and Installation of Carpet Tiles of thickness not less than 4.3mm, of approved shade. The total weight of the carpet should not be less than 1.8kg/m2. The Carpet shall be commercially Heavy Duty and should meet with EN685, Class 33. The Abrasion resistance of carpet shall meet with EN 1963 Standard and <35g pile loss. The Fire reaction shall meet with the standard of EN13501-1 Bn-s1. The carpet shall meet the acoustic NRC level of 0.10-0.20 and shall fall under the classification of ISO 354. 100% nylon BCF, with PVC backing Stain protector and soil repellence, solution dyed method in flooring over smooth and damp proof base using rubber based adhesive of approved quality in all respects and complete as per particular specification as directed by Architect. Note: The Sample carpet should be get approved from client(HBL) before supply.</p>	sqm	170					
2.7	ANTI-STATIC FLOORING							
	<p>Supply and Installation of Conductive antistatic Vinyl Sheet Flooring 1.83m wide, having a nominal total thickness of 2.2mm. The nominal thickness of the wear layer would be 2 mm. The scope also includes the flooring earth strips as per manufacturer standard and the main the strip to be connected upto the nearest source of Earth Pit.</p>	sqm	30					

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S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
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2.8	ITALIAN MARBLE (RECEPTION)							
	Providing and laying of Pure milky white Glazy finish Italian marble flooring of approved sample slab of 20/25 mm thick in pattern as per the drawing upto 50mm thick bed of 1:4 cement mortar including, surface preparation, neat cement float, joint shall be grouted with neat white cement paste with pigmented additives to match shade of the marble, Cleaning, polishing, etc complete. Item also includes taping on all the joints & covered the entire flooring with good quality plastic & POP above. Cover & Tape to be removed before final cleaning etc. complete as directed by Engineer in charge. This also includes the staircase flooring in the reception area. Basic rate of Marble 4500/SQM	sqm	215					
3	WALL PARTITIONS & CLADDINGS							
3.1	WALL PARTITIONS (WOODEN)							
	Providing and Fixing 75 - 80 mm thick Wooden partitions - full height from floor to ceiling & above Frameless glass / JEB glass partitions : Providing and making Wooden partitions with Framework formed out of 50x50mm hard wood section (Framing size 600x600 maximum) framing treated with fire retardant and anti termite paint and clad with 12mm thick marine ply on both surface fixed to the existing wall/ partition/ floor/ ceiling complete in all respect as per details.Dash fastner to be used for fixing frame to floor / wall/ column/ roof etc.with metal clamps to the satisfaction of Engineer in Charge. As an acoustic requirement, contractor to affix 50mm thick Fiber Glass Wool with zero ozone depletion potential (ODP) of approved make of density 24kg/m³ blanket wrapped in RP tissue suitably affixed to partition framework using where necessary GI binding wire, duct tape as indicated in the drawing. Contractor to make provision for all electrical/ networking boxes, make cut-outs /slits for for light fixture or glass, create cavity wall /false column etc. as per details and as required. Electrical/Network boxes /other services to be provided at desired height and location as indicated in the drawing. The glass for openings shall be fixed in groove in partition on all sides neatly finished. The partition to be finished in 1 mm thick laminate on all sides of approved make, design, pattern and colour and pasted as per design with 1 mm wide grooves in between on both side. The grooves shall be neatly cleaned and finished in Melamine finish/polish in matching colour of laminate. Necessary provision to be made to fix the proprietary skirting as per details & openings for doors and windows.	Sqm	340					
	Frame work to go upto RCC slab above false ceiling, area above false ceiling to be clad with Calcium silicate board one side. Necessary openings to be made for HVAC requirements in the Calcium silicate board above false ceiling. All full height partitions to extend till the structural glazing. The edge of partition facing structural glazing to be neatly finished in laminate prior to installing. Smoke barriers/ sealants/fire seals to be installed to seal all gaps between structure and partitions, structural glazing and partitions etc to prevent smoke/ noise/ fire etc to travel from one room to another or one floor to another. Finished area below False ceiling will be measured and paid after deducting glass and openings for doors/ windows/ niches etc.							

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S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
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3.2	WALL PARTITION (GYPSUM)							
	Supply, fixing and Finishing of double skin 75mm thick gypsum partition made of 48mm C-stud @ 610mm c/c with 12.5mm thick gypsum board plain on both sides. OSquare and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with jointing compound, paper tape, POP, putty and two coats of primer suitable for Gypboard and two coats of Emulsion paint of approved make and color. Note: Scope also includes any frames/fixtures for fixing 12mm thick intermediate glass and gypsum bordering around the glasses. MODE OF MEASUREMENT TO BE ACTUAL in SQM Make :- Saint-Gobain	Sqm	268					
3.3	GLASS PARTITION [FULL HEIGHT]							
	Providing and fixing in position 12 mm thk Toughened Clear Glass in partition panels by using various glass fittings of approved make (DORMA / HAFELE) to be fixed with Powder coated Aluminium profile at top / bottom & Verticals with C channel sections and necessary fittings duly finished without giving any load on the false ceiling by using necessary hardware of Approved Make what ever necessary and required numbers to complete the job in all respect. Contractor is advised to complete as per detail drawing, as specified and as directed by Architect / Consultant / Project - In - Charge. Note: At maximum extend the glass frame should not be visible and the frame shall be installed with the flooring mortar and above false ceiling if necessary.	Sqm	240					
3.4	SINGLESKIN GYPSUM (WALL)							
	First skin of Gypsum: Providing and fixing Single skin gypsum board of 12.5 mm thick o. Square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with jointing compound, paper tape, putty and two coats of primer suitable for Gypboard. MODE OF MEASUREMENT TO BE ACTUAL GYPSUM AREA.	Sqm	100					
3.6	SINGLESKIN PLY (WALL)							
	First skin of ply (including Above ceiling): Providing and fixing First Skin of ply which includes 8mm thick commercial ply screw fixed with wooden screws to Existing Partition. Care should be taken that the joint should be staggered to avoid leakage. As shown in the Drawings. Necessary cut-outs shall be provided for taking of supply and return air ducts/openings which shall be neatly finished after fixing of ducts thereby leaving no gaps. MODE OF MEASUREMENT TO BE ACTUAL PLY AREA.	Sqm	100					
3.7a	FLEXI PLY (SINGLE SIDE)							
	First skin of flexi ply: Providing and fixing of First Skin of flexi ply which includes 6mm of flexi ply on one side including the necessary frames, fixtures with screws. MODE OF MEASUREMENT TO BE ACTUAL PLY AREA ON BOTH SIDES.	Sqm	20					

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3.7 b	WALL CLADDING (WOODEN)							
	COLUMN / WALL PANELLING WITH 12MM THICK Marine PLY Ht - From FFL to 100mm above false ceiling level or height as shown in drawing : Providing & fixing column/wall cladding of overall thickness of 37mm to consist 25mmx25mm Hard wood framework @ 450mm c/c both sides Framework to be secured to floor, structural ceiling and nearest structural member using 100mm galvanized metal screws/ dash fasteners and wooden dowels as details.Paneling framework to be cladded on one side with single layer of 12mm thick marine Ply as per details in line and level screw fixed with 25mm drywall screws @ 300mm c/c with staggered joints to avoid through joints and finished with jointing tape and compound as per manufacturer's specification. Joints to be sand papered to achieve a smooth and seamless finish. All exposed edges/corners/grooves to be provided with proprietary corner/ edge bead sections/channels as per Architect's instructions which shall be part of this item. Special note: Contractor to make provision for all electricals & be able to lock at 900 / Normal (as specified),Both side SS304 'D' handle(18ø Dia and 254 mm length), Both side 1.2 mm thick SS kick plate (wherever specified), SS Lock & key (wherever specified), Both side Push/Pull Stickers/Signages and Provision for door interlocking system etc. (In case the vendors specification are different - vendor to provide details). Do refer to the technical specification provided in the tender. ected	Sqm	50					
3.8	LACQUERED GLASS CLADDING							
	Providing and fixing of 6mm thick toughened colour glass (Design if necessary as per client requirement) with 8/12 mm thick Ply backing. The scope included all necessary fixtures, SS framing.	Sqm	60					
3.9	LINEAR WOOD WORK PANELS - 95mm (W)							
	Providing and Fixing of Linear woodwork Panels of width 95mm, thickness of 20mm and length of 2440mm with a reveal of 20mm, made of medium density particle board with wood finish as per the approved shade/ species & finish and a 0.3mm veneer balancing layer on the reverse side. The scope also includes all necessary finishing of exiting civil walls if any complete required fixtures and accessories. The panel should as per detailed tender specification.	Sqm	30					

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BOQ 1 - INTERIOR FURNISHING

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3.10	ACOUSTIC PANEL ON PLY							
	Supply and Installation of Acoustic Panel of size 1200mmx 2400mmx 12.5mm thick by Finished with fabric as per colour/shade specified by Architects. * The system as per design should be able to accomodate high-impact plastic track, which is installed around the perimeter and at intermediate points as needed on the surface of the area to be covered. * The area defined by the track is then filled in with the soft board or specified substrate. * The final step is to cover the panel with a fabric or other covering which is inserted into a hidden channel in the track with standard installation tool of fabricmate or equivalent make. * The covering is held firmly in place by the track's jaws. Rate should include fabric, soft board, high impact plastic track, necessary hardware, complete as directed by EIC. Basic cost of fabric Rs. 2400 per Sqm	Sqm	60					
4	FALSE CEILINGS							
4.1	GYPSUM FALSE CEILING							
	GYPSUM FALSE CELLING: Providing & fixing suspended false ceiling using 12.5mm thick Indian gypsum boards confirming to IS 2095-1982 and GI framework of Gyp steel or approved equivalent comprising of following: 1. GI perimeter channel of 0.55mm thick having one flange of 20mm, another of 30mm and web of 27mm fixed to brick wall partition along periphery of ceiling with the help of nylon sleeves and screws at 610mm c/c 2. GI intermediate channel (size 45mm web, two flanges each of 15mm & thickness 0.9mm) suspended from the soffit / ceiling at 1200mm c/ c spacing. 3. GI ceiling sections of 0.55mm thick having knurled web of 51.5mm and two flanges each of 26mm with leaves of 10.5mm fixed to intermediate channel with the help of connecting clip at direction perpendicular to the intermediate channel at spacing of 600 mm c/c, . GI suspender angle of 25mmx10mm and thk.0.55mm at spacing of 600mm c/c, fixed to the ceiling / soffit using GI cleat angle 25mm x 25mm, 0.55mm thk. Cleat angle to be fixed to the ceiling / soffit using 6mm dia anchor fastener.	sqm	350					
	Gypsum board to be finished with Jointing tape and Jointing compound including application of One coat primer as Per Gypsum board Manufactuerer specification. The rate quoted shall include making cut outs for fixing light fittings, grills, diffusers, speakers, smoke detectors, sprinklers etc.Cut outs have to be made with provision of the frame along perimeter of the cut outs/ opening with channels/ ply to support the ceiling adequately. No extra payment shall be made for making cut outs. Plywood support to be provided for services as required. The Scope should include wall care, one coats of primer and two coats of final paint.							

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4.2	GYPSUM DESIGN FALSE CEILING							
	<p>GYPSUM DESIGN FALSE CELLING: Providing & fixing Design (As per profile/design) decided by client of suspended false ceiling using 12.5mm thick Indian gypsum boards confirming to IS 2095-1982 and GI framework of Gyp steel or approved equivalent comprising of following:</p> <p>1. GI perimeter channel of 0.55mm thick having one flange of 20mm, another of 30mm and web of 27mm fixed to brick wall partition along periphery of ceiling with the help of nylon sleeves and screws at 610mm c/c</p> <p>2. GI intermediate channel (size 45mm web, two flanges each of 15mm & thickness 0.9mm) suspended from the soffit / ceiling at 1200mm c/ c spacing.</p> <p>3. GI ceiling sections of 0.55mm thick having knurled web of 51.5mm and two flanges each of 26mm with leaves of 10.5mm fixed to intermediate channel with the help of connecting clip at direction perpendicular to the intermediate channel at spacing of 600 mm c/c, . GI suspender angle of 25mmx10mm and thk.0.55mm at spacing of 600mm c/c, fixed to the ceiling / soffit using GI cleat angle 25mm x 25mm, 0.55mm thk.</p>	sqm	350					
	<p>Cleat angle to be fixed to the ceiling / soffit using 6mm dia anchor fastener. Gypsum board to be finished with Jointing tape and Jointing compound including application of One coat primer as Per Gypsum board Manufacturer specification. The rate quoted shall include making cut outs for fixing light fittings, grills, diffusers, speakers, smoke detectors, sprinklers etc.Cut outs have to be made with provision of the frame along perimeter of the cut outs/ opening with channels/ ply to support the ceiling adequately. No extra payment shall be made for making cut outs. Plywood support to be provided for services as required. The cost should include one coat of primer and two coats of final paint.</p> <p>4. As per architect design contractor to execute with coves as well as design elements in gypsum complete with painting.;</p> <p>The Scope should include wall care, one coats of primer and two coats of final paint.</p>							
4.3	METALLIC GRID FALSE CEILING [METAL VECTOR TYPE]							
	<p>Providing & Fixing of Metal Vector Galvanized Steel Micro perforated metal ceiling System consisting of 600x600mm Vector tiles of galvanized steel in 0.5 mm thickness with perforation of 1.5mm dia and 22% open space with Acoustical fleece at the back for providing sound absorption of 0.7 NRC in powder coated Global White color of 60-80 microns painted to a minimum of 120 gsm (both sides combined) galvanizing to be laid on grid systems with 24mm wide T - section flanges color white having rotary stitching on the Main Runner, 1200 mm & 600 mm Cross Tees. The ceiling should be compeltely inline with as per detailed tender spcifications.</p>	sqm	50					

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4.4	METALLIC GRID FALSE CEILING [CLIP-IN TYPE]							
	Providing & Fixing true horizontal level suspended ceiling comprising of GI Clip-in with double pip self-leveling feature and special tabs to allow removal of tile to enable plenum access with micro perforated (1.5mm diameter . 22% open area) visual consisting of 600X600 mm clip in tiles of galvanized steel in 0.5 mm thickness with bevel edge in Global white color pre-coated with primer coat at the rear side with Light Reflectance > 60% and suitable for Green Building application, with Recycled content of 25%. Tiles would have Soundtex fleece hot pressed at the back of the perforated panel to achieve an NRC of upto 0.7 and fire performance of Class A2-s1.d0 as per EN13501.	sqm	50					
4.6	METALLIC GRID FALSE CEILING (LAY IN)							
	Providing and fixing of Clip in Type Metallic False ceiling approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @120 grams/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum)sheet, 1200 mm long spaced between main "T" at 600mm center to center to form a grid of 1200x600mm 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 24x24x0.3 mm 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 galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge	sqm	700					
4.7	CEILING SOUNDSCAPES							
	Providing and Fixing SoundScapes - Acoustical clouds which are 30 mm thick, flat glass fiber panels with Humidity Resistance RH 90% & Recycled Content of minimum 30%, come in various shape options like Square / Convex / Concave / Circle / Hexagon / Trapezoid / Parallelogram (Left & Right) / Rectangle (Small & Large) and in standard Traffic White color with LR 90% or in the color specified by the Architect / Engineer in charge (Ivory / Pale Green / Pastel Blue / Traffic Grey / Pale Brown). or in the color specified by the Architect / Engineer in charge (Ivory / Pale Green / Pastel Blue / Traffic Grey / Pale Brown) . The sound scapes should be as per tender approved and detailed specifications.	Sqm	50					
4.8	SINGLESKIN GYPSUM (CEILING)							
	First skin of Gypsum:Providing and fixing Single skin gypsum board of 12.5 mm thick o. Square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with jointing compound, paper tape, putty and two coats of primer suitable for Gypboard MODE OF MEASUREMENT TO BE ACTUAL GYPSUM AREA.	Sqm	50					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
4.9	SINGLESKIN PLY (CEILING)							
	First skin of ply (including Above ceiling):Providing and fixing First Skin of ply which includes 8mm thick commercial ply screw fixed with wooden screws to Existing Partition. Care should be taken that the joint should be staggered to avoid leakage. As shown in the Drawings. Necessary cut-outs shall be provided for taking of supply and return air ducts/openings which shall be neatly finished after fixing of ducts thereby leaving no gaps. MODE OF MEASUREMENT TO BE ACTUAL PLY AREA.	Sqm	50					
4.10	FLEXI PLY (CEILING)							
	First skin of flexi ply: Providing and fixing of First Skin of flexi ply which includes 6mm of flexi ply on one side including the necessary frames, fixtures with screws. MODE OF MEASUREMENT TO BE ACTUAL PLY AREA ON BOTH SIDES.	Sqm	20					
5	FINISHES							
5.1	CORIAN SURFACE FINISH							
	Providing and fixing Corian solid surface of 12mm thick sheet on 12mm-19mm thick water proof ply of IS 303 grade wood based substrate with homogeneous surfacing material, composed of $\pm 1/3$ acrylic resin (PolyMethylMethAcrylate or PMMA), and $\pm 2/3$ natural minerals. Density DIN ISO 1183 1.73 . 1.76 1.68 . 1.75 g/cm Flexural modulus DIN EN ISO 178 8920 . 9770 8040 . 9220 MPa Flexural strength DIN EN ISO 178 49.1 . 76.4 57.1 . 74.0 MPa 1 Elongation at break DIN EN ISO 178 0.58 . 0.94 0.76 . 0.93 % 1 Compressive strength EN ISO 604 178 . 179 175 . 178 MPa 1 Resistance to impact (spring load) DIN ISO 4586 T11 > 25 >25 N Resistance to impact (ball drop)	sqm	25					
5.2	PLY LAMINATION							
	Providing and fixing Laminate on existing ply which includes 1mm thick Laminate on commercial ply. MODE OF MEASUREMENT TO BE ACTUAL PLY AREA ON BOTH SIDES. Consider cost of laminate in suede finish	Sqm	50					
5.3	VENEER ON PLY							
	Providing and fixing Veneer on existing ply which includes 4mm thick veneer on commercial ply. Finished with Melamine polish MODE OF MEASUREMENT TO BE ACTUAL PLY AREA ON BOTH SIDES. Consider cost of Veneer as Rs. 800/- per sqm	Sqm	50					
5.4	LAMINATED WHITE BOARD							
	Providing and fixing white board laminated as specified in the drawings as per manufacturer's specifications, with necessary support in the partition.	sqm	29					

INTEGRATED VACCINES COMPLEX, CHENGALPATTU

BOQ 1 - INTERIOR FURNISHING

S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
5.5	SOFT BOARD WITH FABRIC							
	Providing and fixing Fabric wrapped soft board panels 12mm thick of size and profile as per detail in 19mm x 50mm veneer wood frame on 6mm ply backing. The rate should include approved fabric (basic price Rs. 250/rmt), foam infill as per approved specification with necessary 12mm thick commercial ply reinforcement in the partition. Note the fabric shall be stretched uniformly along the direction of weave and shall be wrinkle free.	sqm	29					
5.6	FROASTED FILMS							
	P/F of decorative film of 3 M or equivalent on glazed surfaces plot cut as per design, as per manufacturer's specifications and guidelines (by PMC / architect nominated vendor).	Sqm	50					
5.7	VINYL GRAPHICS							
	Providing and fixing vinyl graphics as per customer choice INCLUDING DEVELOPING A THEME BASED DESIGN AS PER ARCHITECT INPUTS .	Sqm	20					
5.8	WINDOW PELMETS							
	Providing and fixing pelmets (WINDOWS) of size 150 x 150mm, with verticals made of 19mm OSL MDF and horizontal in OSL MDF along walls and partitions with necessary MS support, joint between the MDF and the gypsum to be clad with L-section 75mmx 10mm Aluminium angle finished in white powder coating as per detail complete. The rate to be inclusive of all accessories, such as anchor fasteners etc. complete.	Rmt	70					
6	DOORS							
6.1	PVC TRAP DOOR							
	Providing and fixing PVC trap doors of Elgi or equivalent make in the false ceiling for HVAC with all necessary hardware's etc. complete as per manufacturer's specification	sqm	20					
6.2	GLASS DOOR [DOUBLE LEAF]							
	Providing and constructing Single shutter fully glazed doors with 10/12mm toughened glass to be fixed with patch fitting- Top and bottom pivot and floorspring ,handles,center floor lock and door floor stopper Handle - (32mm thk, 450mm Ht , C Type Handle							
6.2.1	Size: 1500mm x 2100mm	Nos	10					
6.3	GLASS DOOR [SINGLE LEAF]							
	Providing and constructing Single shutter fully glazed doors with 10/12mm toughened glass to be fixed with patch fitting - Top and bottom pivot and floorspring ,handles,center floor lock and door floor stopperHandle - 32mm thk, 450mm Ht , C Type Handle							

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BOQ 1 - INTERIOR FURNISHING

S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
6.3.1	Size: 1080mm x 2100mm	Nos	11					
6.3.2	Size: 1000mm x 2100mm	Nos	21					
6.3.3	Size: 750mm x 2100mm	Nos	2					
6.4	FLUSH DOOR WITH VISION PANEL [WOODEN]							
	Providing and fixing doors with wooden door not less than 50mm thick made of hard wood sectional framing treated with fire retardant and anti termite paint and cladged with 12mm thick marine ply on both surface. The door shall be matched with exiting adjacent wall finish. The Door surface shall be finished with 4mm thick veneer on top. The scope also includes the complete door accessories of as per tender approved make and double skin view panels of size 300mm x 450mm. The glass shall be 6mm thick toughened glss. (Make Fittings - As per approved manufactures list - Handle - (25mm thk, 450mm Ht , C Type Handle)							
6.4.1	Size: 750mm x 2100mm	Nos	4					
6.5	FLUSH DOOR [WOODEN]							
	Providing and fixing doors with wooden door not less than 50mm thick made of hard wood sectional framing treated with fire retardant and anti termite paint and cladged with 12mm thick marine ply on both surface. The door shall be matched with exiting adjacent wall finish. The Door surface shall be finished with 4mm thick veneer on top. (Make Fittings - As per approved manufactures list - Handle - (25mm thk, 450mm Ht , C Type Handle)							
6.5.1	Size: 750mm x 2100mm	Nos	6					
6.5.2	Size: 1000mm x 2100mm	Nos	1					
6.6	FLUSH DOOR (METALLIC)							
	Supply and Installation of Flushed Metal doors with not less than 46mm thick door leaf and frames matching with existing blockwork thickness NLT 150 mm thickness with properly leveled replaceable view panel/glass Both side Epoxy Powder coated (60-80 microns) 0.8mm thick G.I sheets(hot dipped with zinc coating of 120 gsm)with PUF as infill of density not less than 40+/-2 Kg/m3 .The door panel should meet the Euro classes minimum reaction to fire B-s3,d0 or Class'O'. Door to be provided with necessary stiffners complete with, not less than 1.2 mm thick epoxy powder coated GI sheet or with anodized aluminium door frames totally flushed with the wall panels, door bottom drop seal/ hinges with lifting arrangement ,SS304 Butt hinges with ball bearings, Double glazed view panel (450x600/150x150 mm) with 6mm toughened (with 4 sided beveled and smooth edges,with moisture traps using silica gel between panes), SS 304 door closure/s suitable to work against a differential air pressure of not less than 25 pascals & be able to lock at 900 / Normal (as specified),Both side SS304 'D' handle(18ø Dia and 254 mm length), Both side 1.2 mm thick SS kick plate (wherever specified), SS Lock & key (wherever specified), Both side Push/Pull Stickers/Signages and Provision for door interlocking system etc. (In case the vendors specification are different - vendor to provide details). Do refer to the technical specification provided in the tender.							

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BOQ 1 - INTERIOR FURNISHING

S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
	Note: 1.All joints between view panel and door panel to be sealed using FDA approved food grade silicon sealant. 2.Colour of the door panel: Vendor to provide options. 3.Double face VHB tapes of required thickness or silicon sealant to be provided on the periphery of the view panel frame to avoid any play between view panel frame and the slot in the door leaf. 4.Refer door schedule sheet for details on accessories 5. If the door leaf is double, then all the accessories shall be considered into double including door closures.							
6.4.1	Size: 1500mm x 2100mm (DOUBLE LEAF)	Nos	11					
6.4.2	Size: 1000mm x 2100mm (SINGLE LEAF)	Nos	9					
6.4.3	Size: 750mm x 2100mm (SINGLE LEAF)	Nos	3					
6.6	FOLDABLE DOOR / WALL							
	Providing and installing of foldable sliding partition doors inbetween Conference and board room as shown in the tender master layout and architecture specification. Make as per approved list. Nominal Panel Thickness should not be less than 6-inch and the panel should be completely sound proof made of GI with wooden venner finish on top and infill as Rockwool with fire rated of 121Minutes and as BS 476 Part5,6&7. STC 28, Hanging Weight (STC-dependent) 6 to 11 lb/sq ft. Note: The vendor should design and submit the shop drawing of panels for client approval before manufacturing. The scope includes the necessary railing on top /bottom and compelte fixing arrangements of panels inplace.	sqm	17					
7	FRAMEWORK & INFILL							
7.1	ALUMINIUM FRAMEWORK							
	Framework: Providing and constructing Aluminium framework of section 25x50mmx1mm thick laid at 600mm c/c both ways.	Sqm	50					

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BOQ 1 - INTERIOR FURNISHING

S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
7.2	GI FRAMEWORK							
	Framework :Providing and fixing GI frame which includes 48mm studs placed at 610mm centre to centre vertically, in 50mm thick floor and ceiling channel . The GI framework to be continued and anchored up to the True ceiling Make : Diamond	Sqm	30					
7.3	CEILING FRAMEWORK							
	Framework (Above ceiling only):Providing and fixing GI frame which includes 48mm studs placed at 610mm centre to centre vertically, in 50mm thick ceiling channel . The GI framework to be continued and anchored up to the True ceiling and equipped to receive Glass partition below FC Make : Diamond	Sqm	30					
7.4	CURVED FRAMEWORK							
	Curved Framework: Providing and constructing Al, Section Framework of section 25x50mmx 1mm Thick laid at 600mm c/c both ways.	Sqm	40					
7.5	ROCKWOOL INSULATION							
	Rock wool insulation on Aluminium & Gi Partition.:Extra Rate for Providing and filling Rockwool insulation of density 48 kg per cum, , 50mm thick as per manufacturer's specifications. The Rockwool to be filled in the cavity between the framework and Gypsum skins.	Sqm	20					
8	GENERAL ACCESSORIES							
8.1	WASHBASIN							
	Providing and fixing Counter sunk wash basins, waste coupling. Cost incl. of providing and fixing of Piller cock, bottle traps, angle valve, Teflon tape, Flexible/Straight Pipeline upto nearest drain point etc. complete as directed by the architects. Note: The Accessories should be as per approved make and model shall be get approved from HBL before approval.	Nos	6					
8.2	VERTICAL BLINDS							
	Providing and fixing of vertical blinds of approved color, pattern and make. The Blinds shall be of fabric based.	I	40					
8.3	ROLLER BLINDS							
	Supplying and fixing of Effective Optimized System Roller Shade consists of sanitized treated, resilient and colour fast Blackout fabric with high tear strength,Roller Tube, Control Chain, Control Set Left Hand, Control Set Right Hand,Bracket Cover, Chain Connector, O-C Bottom Rail String for conversion Spring,Bottom End Plug, Bottom End Plug Circular, Open Bottom Rail, Tube BearingPlug etc. Fabric shall be 100% polyester woven, 0.32mm average thickness and acrylic coat.	Sqm	30					

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BOQ 1 - INTERIOR FURNISHING

S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
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8.4	PLANTERS 1 - 900mm x 600mm							
	Planters : Description - Custom. made Stainless steel of 14/16G planters shall be located Ground & first floor of Size 600 X 900mm with the enclosing elements realised in suitable materials with appropriate water outlets, water flow lines and wings for irrigation as per architectural drawings. Garden design will be customised for each planter. Species will be selected in the detailed development phase. Geometric features: Custom Made Physical features: Planters to provide a beautiful diverse ornamental area Finish: Mixed Plants and Irrigation System.	Nos	20					
8.4	PLANTERS 2 - 250mm DIA							
	Planters : Description - Custom. made Corian Finish Base planters shall be located in Reception and further location as decided by Client. Size 250mm Dia with the enclosing elements realised in suitable materials with appropriate water outlets, water flow lines and wings for irrigation as per architectural drawings. Garden design will be customised for each planter. Species will be selected in the detailed development phase. Geometric features: Custom Made Physical features: Planters to provide a beautiful diverse ornamental area Finish: Mixed Plants and Irrigation System.	Nos	15					
8.5	PILLER COCK							
	Providing and fixing in position Toilet Piller cock .	Nos	6					
8.6	BOTTLE TRAP							
	Providing and fixing in position Toilet Bottle Trap of 32mm Size with 330mm & 110mm long connection pipes	Nos	6					
8.7	ARCHITRAVES							
	Providing and constructing Architraves , in Italian Marble, with rounded edges and machine polished fixed in cement mortar 1:3. Basic rate of Marble :-Rs 4500/- per SQM	Sqm	10					
8.8	SIGNAGES							
	Providing and fixing of 4mm thick ACP finished with stickering for door signage's (100x100mm or 100x50mm or 150x150mm)	Nos	40					
8.9	ENTRY/EXIT INDICATION							
	ACP/Acrylic stickered Entry Exit signage boards of 300x150mm made of 50mm thick SS304 Boxing with 4W LED Light as per the color chosen by client. The signages shall be suspended on chains. The scope also includes the cabling upto the nearest source of power supply.	Nos	10					

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BOQ 1 - INTERIOR FURNISHING

S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
8.10	PEBBLES & ARTIFICIAL PLANTS							
	Providing and arranging artificial plants like creepers, leaves etc or flower arrangements. Including the pots with marble / stone pebbles, moss etc. as per approval and selection.	Kg	30					
8.11	HOUSEKEEPING & DEBRIS REMOVAL							
	Keeping the site reasonably clean and removal of debris from the site every day. Should also provide for thorough cleaning of site before laying of carpets. Should also include final cleaning of site before handover to client. Man power not less 5 Person along with a supervisor for 8 Hours per day, Approximate working days will be 45 days from the date of commencement. Cost inclusive of Cleaning the Existing Glazing Internally, Deep cleaning of Toilet, Thresholds , Existing Doors Internally and cleaning All existing finished surfaces in the floor. Removal of debris in truck of 3 unit capacity from the specific location in the site and disposing the same as per the instruction by the architect.	Days	60					
8.12	FLOORMAT [LIFT ENTRANCE]							
	Providing and fixing entrance Single floor Mat of size NLT 2300mm x 900mm in the entrances on the ground and first floor near the lift with specification as mentioned. Surface Fiber Type: Polypropylene Weight: 16 ozs/sqyd Carpet Height: 1/4" Design: Ridge Construction Backing Type: 100% PVC Vinyl Thickness: 1/8+. Border; 3/8+Total Thickness Durometer: 60	sqm	5					
8.13	FLOORMAT [MAIN ENTRANCE]							
	Providing and fixing entrance single floor Mat of size NLT 5600mm x 2000mm in the entrances on the ground and first floor near the lift with specification as mentioned. Surface Fiber Type: Polypropylene Weight: 16 ozs/sqyd Carpet Height: 1/4" Design: Ridge Construction Backing Type: 100% PVC Vinyl Thickness: 1/8+. Border; 3/8+Total Thickness Durometer: 60	sqm	20					

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BOQ 1 - INTERIOR FURNISHING

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
8.14	DB SHUTTERS							
	Providing and fixing DB shutters in 18 mm thick Plywood finished in approved shade laminate on exposed surface and balancing laminate on the interior surface with approved beading and Aluminium section Frame work 50mmX25mm x 1mm, finished in colour polish matching the colour of the laminate. Rate to be inclusive of providing and fixing of Aluminium Grill finished in approved shade powder coating for ventilation, approved handle, tower bolts, Locks, magnetic ball-catch etc complete as directed. Laminate suede finish	sqm	14					
8.15	ACRYLIC SHEET							
	Supply and installation 1.5mm/2.5mm Acrylic sheets as per the the desired size choosen by Client during execution. The Scope included, Cutting, Grinding, Polishing, Finishing and fixing as per site condition. The color shade acrylic sheet will be choosen by Client/Consultant.	sqm	20					
8.16	POLYCARBONATE PLAIN / EMBOSED SHEET							
	Supply and Installation of 2/3mm Thick Polycarbonate Plain/Embossed Sheets suitable for providing desired diffusion of natural light. Providing for superior shade support, sheets should also safeguard from harsh sun glare and feature single side textured finish, which make these provide for uniform light diffusion. Also coming with UV coating support, these find application in areas like roof lights & cladding, domes, sky lights, interior partition and others. Color shade will be approve by Client.	sqm	30					
8.17	ALUCOBOND SHEET							
	Supply and Installation of Aluco Bond sheet of minimum 3 mm thickness with 2 silica gel sachets per sq m properly glued/fixd and properly covered and provided with breathing holes. The work has to be done in a very aesthetic manner(In case the vendors specification are different - vendor to provide details).	sqm	30					
8.18	JUNCTION BOX COVER							
	Providing and fixing junction box cover of following sizes made up of 19mm thick. commercial ply box with 16G Stainless steel plate on top with necessary seasoned wood framework to prepare levelled surface for carpet. Including of civil work neatly finished and levelled around the junction box.							
8.18.1	150mm(L)x150mm(W)x50mm(H)	Nos	10					
8.18.2	250mm(L)x250mm(W)x50mm(H)	Nos	10					
8.18.3	300mm(L)x300mm(W)x50mm(H)	Nos	5					
8.18.4	450mm(L)x450mm(W)x50mm(H)	Nos	5					
8.18.5	600mm(L)x600mm(W)x50mm(H)	Nos	5					

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BOQ 1 - INTERIOR FURNISHING								
S.NO	SPECIFICATION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
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8.19	PAINTING BOARDS							
	Supply and Installation of nature art painting board made up of Sun board and frames shall be made up of SS with needly finished flushed to the art boards, which should be durable and resistant to wear and tear. The image of sample shall be chosen by client and the art should gives a royal look to the walls. This wall art shall be varied from different size 50 x 0.08 x 30 inches,							
8.19.1	1250mm(H)x750mm(W)x10/15mm(H)	Nos	5					
8.19.2	1000mm(H)x600mm(W)x10/15mm(H)	Nos	3					
8.19.3	750mm(H)x500mm(W)x10/15mm(H)	Nos	8					
8.19.4	750mm(H)x750mm(W)x10/15mm(H)	Nos	6					
8.19.5	600mm(H)x600mm(W)x10/15mm(H)	Nos	12					
8.20	HAND RAILS							
	Supply and Installation of seamless Stainless steel hand rails made up of 3" SS pipes and 12mm toughned glass with froasted film (Design as decided and approved by Client) sizing 900mm x 600mm on every 2m intermediate equal intervals throughout railing. The scope also including necessary hardwares and complete set of accessories for fixing the hand rails to steel ladder railing, balcony railing and staircase railing.	Rmt	14					
BASIC SUB TOTAL								
SUPPLY TAX								
ERECTION TAX								
GRAND TOTAL								

एचएलएल बायोटेक लिमिटेड
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BOQ 2 - LOOSE FURNITURES / WORKSTATION

S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1	TABLES							
1.1	CMD/CEO TABLES [TYPE A]							
	<p>Providing & Fixing of Custom made veneer finished tables in approved shape of sizes as specified in detail Tender Drawing and Specification. The top is made of two layers of 19 mm thick commercial board finished in 4 mm thick veneer with steel finish band edges. The legs are made out of 2layers 19mm thick commercial board with proper leg space treated with fire retardant and antitermite paint. All wooden exposed surfaces to be finished with 4 mm thick veneer. The top and edge band to be finished in PU finish / polish as per approved shade and as directed by Architect. Other exposed surfaces to be finished in melamine polish as per approved shade. Cost to include Borer/ Antitermite treatment for wood/ plywood/ board. The Table should fixed pedestal at Left side of 2stages(1Drawer+1Door) and Right Side Mobile type 3stage shelves(2Drawer +1Door) covering the complete height from Table bottom to top. The table Size shall be 2500 x 900 x 750 Main Table and 1200 x 600 x 750mm Side Table. The Side tables shall be provided same specification as above with shelves and sliding type doors. The complete pedestal also shall be meet with similar specification of Table.</p> <p>Note: 1. The table top shall be curved in shape by Min 30deg of Angle. 2. The Side table shall have provision as well supply/installation of Popup box and face plate provided with 2Nos of each 5/15A 5Pin Universal Sockets/Switches and 2Nos of RJ45/RJ11 End Terminations.</p>	Nos	2					
1.2	COO/CFO/CS/DIRECTOR TABLES [TYPE B]							
	<p>Providing & Fixing of Custom made veneer finished tables in approved shape of sizes as specified in detail Tender Drawing and Specification. The top is made of one layer of 25 mm thick commercial board and same 25mm thick border of 100/150mm finished in 4 mm thick veneer with steel finish band edges. The legs are made out of 2layers 19mm thick commercial board with proper leg space treated with fire retardant and antitermite paint. All wooden exposed surfaces to be finished with 4 mm thick veneer. The top and edge band to be finished in PU finish / polish as per approved shade and as directed by Architect. Other exposed surfaces to be finished in melamine polish as per approved shade. Cost to include Borer/ Antitermite treatment for wood/ plywood/ board. The Table should fixed pedestal at Left side of 2stages(1Drawer+1Door) and Right Side Mobile type 3stage shelves(2Drawer +1Door) covering the complete height from Table bottom to top. The table Size shall be 2100 x 900 x 750 Main Table and 1200 x 600 x 750mm Side Table. The Side tables shall be provided same specification as above with shelves and sliding type doors. The complete pedestal also shall be meet with similar specification of Table.</p> <p>Note: The Side table shall have provision as well supply/installation of Popup box and face plate provided with 2Nos of each 5/15A 5Pin Universal Sockets/Switches and 2Nos of RJ45/RJ11 End Terminations.</p>	Nos	4					

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BOQ 2 - LOOSE FURNITURES / WORKSTATION

S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1.3	MANAGER CABIN TABLES [TYPE C]							
	<p>Providing & Fixing of Custom made Manager cabin tables in approved shape of sizes as specified in detail Tender Drawing and Specification. The table is made up of 25mm thick high quality plain particle board and laminate as per approved make, design and samples approved by client. The table top edges to be finished with PVC Edges. Cost to include Border/ Antitermite treatment for wood/ plywood/ board. The Table should fixed with mobile pedestal of (Size: 500mm x 450mm x 655mm) in Right Side with 3stage shelves(2Drawer +1Door) covering the complete height from Table bottom to top. The table Size shall be 1650 x 750 x 750 Main Table and 1000 x 450 x 750mm Side Table. The Side tables shall be provided same specificalton as above with shelves and sliding type doors. The complete pedestal also shall be meet with similar specification of Table.</p> <p>Note: The Side table shall have provision as well supply/installation of Popup box and face plate provided with 2Nos of each 5/15A 5Pin universal Sockets/Switches and 2Nos of RJ45/RJ11 End TErminations.</p>	Nos	9					
1.4	MANAGER CABIN TABLES [TYPE C1]							
	<p>Providing & Fixing of Custom made Manager cabin tables in approved shape of sizes as specified in detail Tender Drawing and Specification. The table is made up of 25mm thick high quality plain particle board and laminate as per approved make, design and samples approved by client. The table top edges to be finished with PVC Edges. Cost to include Border/ Antitermite treatment for wood/ plywood/ board. The Table should fixed with mobile pedestal of (Size: 500mm x 450mm x 655mm) in Right Side with 3stage shelves(2Drawer +1Door) covering the complete height from Table bottom to top. The table Size shall be 1350 x 700 x 750 Main Table and 720 x 400 x 750mm Side Table. The Side tables shall be provided same specificalton as above with shelves and sliding type doors. The complete pedestal also shall be meet with similar specification of Table.</p> <p>Note: The Side table shall have provision as well supply/installation of Popup box and face plate provided with 2Nos of each 5/15A 5Pin universal Sockets/Switches and 2Nos of RJ45/RJ11 End TErminations.</p>	Nos	9					

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BOQ 2 - LOOSE FURNITURES / WORKSTATION

S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1.5	SECRETARY TABLES [TYPE D]							
	<p>Providing & Fixing of Custom made Manager cabin tables in approved shape of sizes as specified in detail Tender Drawing and Specification. The table is made up of 25mm thick pre-laminated particle board as per approved make, design and sample approved by client. The table top edges to be finished with PVC Edges. Cost to include Border/ Antitermite treatment for wood/ plywood/ board. The Table should fixed with mobile pedestal of (Size: 500mm x 450mm x 655mm) in Right Side with 3stage shelves(2Drawer +1Door) covering the complete height from Table bottom to top. The table Size shall be 1200 x 700 x 750 Main Table and 900 x 450 x 750mm Side Table. The Side tables shall be provided same specification as above with shelves and sliding type doors. The complete pedestal also shall be meet with similar specification of Table.</p> <p>Note: The Side table shall have provision as well supply/installation of Popup box and face plate provided with 2Nos of each 5/15A 5Pin universal Sockets/Switches and 2Nos of RJ45/RJ11 End Terminations.</p>	Nos	4					
1.6	CONFERENCE/BOARD ROOM TABLE [TYPE E]							
	<p>Supply and Installation of Custom made veneer finished conference table in approved shape of sizes as specified in detail Tender Drawing and Specification. The top is made of two layers of 19 mm thick commercial board finished in 4 mm thick veneer. The legs box are made out of 19mm thick commercial board treated with fire retardant and antitermite paint. The Box sizes should be designed Min 70% of total table size in length, 450mm width and at every 1m-1.5m Interval in such a way to withstand the complete table weight. All wooden exposed surfaces to be finished with 4 mm thick veneer. The top and edge band to be finished in PU finish / polish as per approved shade and as directed by Architect. Other exposed surfaces to be finished in melamine polish as per approved shade. Cost to include Borer/ Antitermite treatment for wood/ plywood/ board. (Popoup Electrical, data and projection outlets fittings of approved make shall be provided minimum one number for 6 seats). 24 + 15 seater Conference table of size 9000mm + 5000mm length and width of 2300mm as per detailed drawing attached with the tender. Light provision to be made inside the conference table dead area to maintain the electrical wiring etc and two trap doors to be provided of approximate size 450 mm x 500 mm to access the dead area including Stainless Steel hardware. PU finish on top & melamine all other exposed surfaces. All internal unexposed areas to be finished with antitermite and fire retardant paint.</p>	No	1					
	<p>The Table should be able to Dismantle and joint as and when required, the proper flexible method of assemble/Dismantle arrangements to be designed by the contractor.</p> <p>Note: The conference/Board room tables should be designed/manufactured with attach/detach arrangements. The vendor shall propose the suitable option and get approved from client before manufacturing.</p> <p>Supply box : & Fixing of Matt Aluminum finish , 5+3Nos of Popup box with each cover to be fixed on the conference table, with suitable following accessories . (a) Sp Switch-2 nos (b) 5A universal socket-2 nos (c) RJ-45-2 nos. Note: (PI refer tender - Reference Image for details)</p>							
1.7	RECEPTION TABLE [TYPE F]							

HBL/TC/IVC/ADMIN/OFF_FURNISH/15-16 dtd 31.10.2015

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INTEGRATED VACCINES COMPLEX, CHENGALPATTU

BOQ 2 - LOOSE FURNITURES / WORKSTATION

S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
	<p>Providing and fixing of reception table made of corian finish with seamless surface moulded, shaped and detailed with 12mm thick sheet on 12mm-19mm thick water proof ply of IS 303 grade wood based substrate with homogeneous surfacing material, composed of $\pm 1/3$ acrylic resin (PolyMethylMethAcrylate or PMMA), and $\pm 2/3$ natural minerals.</p> <p>Density DIN ISO 1183 1.73 . 1.76 1.68 . 1.75 g/cm</p> <p>Flexural modulus DIN EN ISO 178 8920 . 9770 8040 . 9220 MPa</p> <p>Flexural strength DIN EN ISO 178 49.1 . 76.4 57.1 . 74.0 MPa 1</p> <p>Elongation at break DIN EN ISO 178 0.58 . 0.94 0.76 . 0.93 % 1</p> <p>Compressive strength EN ISO 604 178 . 179 175 . 178 MPa 1 Resistance to impact (spring load)</p> <p>DIN ISO 4586 T11 > 25 >25 N Resistance to impact (ball drop). Dimensions of the table shall be 4600mm x 1100mm x 1200mm (H) In corian finish as per Architect drawing ,Basic rate of corian to be Rs.775/sqft inclusive of embossed logo with same corian finish of color approved by Client.</p>	No	1					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1.8	AUDIT/MEETING HALL TABLE [TYPE G]							
	<p>Providing & Fixing of 12Seater Meeting Hall Table Custom made veneer finished tables in approved shape of sizes as specified in detail Tender Drawing and Specification. The top is made of one layer of 25 mm thick commercial board and the border shall be provided with same 25mm thick of 100/150mm width finished in 4 mm thick veneer with steel finish band edges. The legs box are made out of one layer 25mm thick commercial board with proper leg space treated with fire retardant and antitermite paint. The leg Box sizes should be desinged Min 70% of total table size in length, 450mm width and at every 1m-1.5m Interval in such a way to withstand the complete table weight. All wooden exposed surfaces to be finished with 4 mm thick veneer. The top and edge band to be finished in PU finish / polish as per approved shade and as directed by Architect. Other exposed surfaces to be finished in melamine polish as per approved shade. The table Size shall be 3600 x 1200 x 750mm (H). The table shall have 4Nos of Popup boxes : Supply & Fixing of Matt Aluminum finish , 4Nos of Popup box with each cover to be fixed on the conference table, with suitable following accessories . (a)Sp Switch-2 nos (b)5A universal socket-2 nos (c)RJ-45-2 nos. Note: (PI refer tender - Reference Image for details)</p>	Nos	4					
1.9	MEETING HALL TABLE [TYPE H]							
	<p>Providing & Fixing of 8Seater Meeting Hall Table Custom made veneer finished tables in approved shape of sizes as specified in detail Tender Drawing and Specification. The top is made of one layer of 25 mm thick commercial board and the border shall be provided with same 25mm thick of 100/150mm width finished in 4 mm thick veneer with steel finish band edges. The legs box are made out of one layer 25mm thick commercial board with proper leg space treated with fire retardant and antitermite paint. The leg Box sizes should be desinged Min 70% of total table size in length, 450mm width and at every 1m-1.5m Interval in such a way to withstand the complete table weight. All wooden exposed surfaces to be finished with 4 mm thick veneer. The top and edge band to be finished in PU finish / polish as per approved shade and as directed by Architect. Other exposed surfaces to be finished in melamine polish as per approved shade. The table Size shall be 2400 x 1200 x 750mm (H). The table shall have 4Nos of Popup boxes : Supply & Fixing of Matt Aluminum finish , 4Nos of Popup box with each cover to be fixed on the conference table, with suitable following accessories . (a)Sp Switch-2 nos (b)5A universal socket-2 nos (c)RJ-45-2 nos. Note: (PI refer tender - Reference Image for details)</p>	Nos	2					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1.10	CENTER TABLE							
	Supply and Positioning of Center Tables of following sizes 1100W X 600D X 460H made of glass, SS frame and Ply as per tender ref image. The Glass Thickness should not be less than 12mm. (Tender Ref Image 7.7)							
1.10.1	Reception Center Table - Size - 1100W X 600D X 460H (Tender Ref Image 7.4)	Nos	2					
1.10.2	CMD/CEO Room Center Table - Size - 1100W X 600D X 460H (Tender Ref Image 7.5)	Nos	2					
1.10.3	Director/COO/CFO Room Center Table - Size - 1100W X 600D X 460H (Tender Ref Image 7.6)	Nos	2					
1.11	CORNER TABLE							
	Supply and Positioning of Corner Tables of following sizes 550W X 550D X 510H made of glass, SS frame and Ply as per tender ref image. The Glass Thickness should not be less than 12mm.	Nos	4					
1.12	8 SEATER CAFETERIA TABLES & CHAIRS							
	Supply & Installation of 8 Seater Cafeteria Tables with Chairs made of Stainless Steel (foldable type). The table top shall be provided with Minimum 30mm Thick Galaxy type Granite of size 1175mm x 2329mm as per tender specification and Reference Image. The Stainless steel should be welded without any pores/gaps and buffed with high quality glazy finish and the granite corners should be buffed to fillet shape. The Granite sample shall be get approved from client before manufacturing.	Nos	30					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
2	CHAIRS & SOFAS							
2.1	CMD & CEO CHAIR							
	<p>CMD / CEO Chair : The seat shall be made up of 1.2+/-0.1cm thick hot pressed plywood measured as per QA method described in OCP-QLTA-P14-18 and upholstered with fabric or synthetic leather and moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 76.0cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a drop lift height adjustable type M.S tubular armrest support chrome plated. The armrest height shall be adjustable up to 6.5+/-0.5cm in 5 steps and also has swivel adjustment of 22 degree+/-2 on both sides. The mechanism of the chair shall have following features : 360° revolving type, Knee tilt synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat depth adjustment of 6.0+/-0.5cm should be locked in 6 positions. The backrest shall consists of a sliding up down mechanism, Which can be adjusted in the range of 7.5+/-0.5cm and should be locked in 4 positions for correct position of lumbar support. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HRSS sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 101.5 to max 117.5cm. Seat height - min 46.5 to max 55.5cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p>	Nos	2					
2.2	COO/CFO/CS/DIRECTOR CHAIR							
	<p>Director/CFO/Company Secretary: 1. SEAT/BACK ASSEMBLY: The seat is made of moulded Polyurethane foam with fabric or syntetic leather surface and 1 :2:±0.1 em thk Recycled composite board measured as per QA method described in OCP-QLTA-P14-1sand upholstered with replaceable fabric cover. The back is made of MS tubular frame insitu mould- with Polyurethane foam and upholstered with fabric cover.</p> <p>2. HIGH RESILIE~NCE (HR) POLYURETHANE FOAM: The HR polyurethane foam is moulded with density= 45 +/-2 kg/cu.mand Hardness lo~d for back foam is 12.0 Kgf + 01-2 and Hardness load for seat foam is 16 Kgf ± 2 as per IS 7888(for 25% compression). WIDTH (Y'): 76.1 cm DEPTH (D): 76.1cm HEIGHT(H): 100.6-110.6 CM. SEAT HEIGHT (SH): 42.1-52.1 CM.</p> <p>3. (A)ADJUSTABLE ARMREST : The Armrest top is PU moulded with plastic inner and is mounted on injection moulded Nylon armrest structure. The armrest top has three adjustments Swivel, Front & Back, Width Adjustment. . (B) ARMRESTS (FIXED): Armrest top is PU moulded with metal insert and</p>	Nos	4					

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	<p>is mounted on injection moulded Nylon armrest structure.</p> <p>(C) ARMREST FOR VISITOR (FIXED)(for 9Q12XX): Armrest has a two piece construction and is mounted on to the tubular frame structure. It is injection moulded in talc filled PP.</p> <p>4. CENTER TILT MECHANISM: The mechanism is designed with the following features: 360° revolving type. Upright position locking. Tilt tension adjustment. Seat/back tilting ratio of 1 :3.</p> <p>5. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment of 10.0 ±0.3cm.</p> <p>6. PEDESTAL ASSEMBLY : The pedestal is injection moulded in black 33% glass-filled Nylon 66 and fitted with 5 nos. twin wheel castors. The pedestal pitch-center dia is 66.1 ±0.5cm.(76.1 ±01.0cm with castor).</p> <p>7. TWIN WHEEL CASTORS : The twin wheel castors are injection moulded in black Polypropelene.</p> <p>Chairs should be green guard certified.</p>							

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2.3	CABIN MANAGER/SECRETARY CHAIRS (HIGH BACK - MOVABLE)							
	Supply and Positioning of Cabine Manger/Secretary and Reception Chairs. The Chairs should be ergonomic in Design and as per the specification. The single-lock synchro tilt mechanism and in smooth and balanced feel in the upright and reclined position. Push/Pull the lever in/out to lock/unlock reclining at the upright position. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels. Seat Depth should not be less than 46 cm and Width should not be less than 49.5 cm. (Chair Reference shall be Featherlite Contact project HB Model or Equivalent)	Nos	14					
2.4	CABIN VISITORS CHAIRS (MEDIUM BACK - MOVABLE)							
	Supply and Positioning of Cabin Visitor Chairs. The Chairs should be ergonomic in Design and as per the specification. The single-lock synchro tilt mechanism and in smooth and balanced feel in the upright and reclined position. Push/Pull the lever in/out to lock/unlock reclining at the upright position. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 46 cm and Width should not be less than 49.5 cm. (Chair Reference shall be Featherlite Contact project MB Model or Equivalent)	Nos	43					
2.5	SECRETARY VISITORS CHAIRS (MEDIUM BACK - NON MOVABLE)							
	Supply and Positioning of secretary Visitor Chairs. The Chairs should be ergonomic in Design and as per the specification. The single-lock synchro tilt mechanism and in smooth and balanced feel in the upright and reclined position. Push/Pull the lever in/out to lock/unlock reclining at the upright position. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 46 cm and Width should not be less than 49.5 cm. (Chair Reference shall be Featherlite Contact Visitor Model or Equivalent)	Nos	8					
2.6	EXTERNAL VISITORS CHAIRS (MEDIUM BACK - NON MOVABLE)							
	Supply and Positioning of Visitor Chairs. The Chairs should be ergonomic in Design and simple, executive aesthetic. the chair tilting mechanism should be superior multilock synchro tilting to have smooth and balanced while moving from one position to the next position and the forward/backward lever to unlock/lock reclining into multiple positions. The Arm Rest shall be fixed/adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 46 cm and Width should not be less than 49.5 cm. (Chair Reference shall be Featherlite Invention visitor Model or Equivalent)	Nos	43					

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2.7	CONFERENCE/BOARD ROOM CHAIRS - MOVABLE							
	Supply and Positioning of conference/board room Chairs. The Chairs should be ergonomic in Design and as per the specification. The Chairs should be designed with knee-tilt multilock mechanism while sitting on a cushion of air as it should creates a smooth and balanced feel as you move from one position to the next Push the left-side lever up/down to unlock/lock reclining at multiple positions. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 45 cm and Width should not be less than 51cm. (Chair Reference shall be Featherlite Chrome Cushion movable Type Model - Medium Back or Equivalent) Note: The Chair Surface color shall be get approved from Client before manufacturing.	Nos	54					
2.8	CONFERENCE/BOARD ROOM - FRONT CHAIR [MOVABLE]							
	Supply and Positioning of conference/board room - front Chairs. The Chairs should be ergonomic in Design and as per the specification. The Chairs should be designed with knee-tilt multilock mechanism while sitting on a cushion of air as it should creates a smooth and balanced feel as you move from one position to the next Push the left-side lever up/down to unlock/lock reclining at multiple positions. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 45 cm and Width should not be less than 51cm. (Chair Reference shall be Featherlite Chrome Cushion movable Type - High Back or Equivalent) Note: The Chair Surface color shall be get approved from Client before manufacturing.	Nos	2					
2.9	AUDIT/MEETING HALL CHAIRS [MOVABLE]							
	Supply and Positioning of Meeting Hall Chairs. The Chairs should be ergonomic in Design and as per the specification. The Chairs should be designed with knee-tilt multilock mechanism while sitting on a cushion of air as it should creates a smooth and balanced feel as you move from one position to the next Push the left-side lever up/down to unlock/lock reclining at multiple positions. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 45 cm and Width should not be less than 51cm. (Chair Reference shall be Featherlite Chrome Leatherette movable Type - Medium Back) Note: The Chair Surface color shall be get approved from Client before manufacturing.	Nos	58					

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2.10	AUDIT/MEETING HALL - FRONT CHAIRS [MOVABLE]							
	Supply and Positioning of conference/board room Chairs. The Chairs should be ergonomic in Design and as per the specification. The Chairs should be designed with knee-tilt multilock mechanism while sitting on a cushion of air as it should creates a smooth and balanced feel as you move from one position to the next Push the left-side lever up/down to unlock/lock reclining at multiple positions. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 45 cm and Width should not be less than 51cm. (Chair Reference shall be Featherlite Chrome Leatherette movable Type - High Back or Equivalent) Note: The Chair Surface color shall be get approved from Client before manufacturing.	Nos	6					
2.11	WORKSTATION CHAIRS [MEDIUM BACK - MOVABLE]							
	Supply and Positioning of Workstation Chairs. The Chairs should be ergonomic in Design and as per the specification. The single-lock synchro tilt mechanism and in smooth and balanced feel in the upright and reclined position. Push/Pull the lever in/out to lock/unlock reclining at the upright position. The Arm Rest should be Adjustable. The Chair base should be made of Stainless steel or Steel with chrome plated and Wheels.. Seat Depth should not be less than 46 cm and Width should not be less than 49.5 cm. (Chair Reference shall be Featherlite Contact project MB Model or Equivalent). Note: The Sample color and sample shall be get approved from client before manufacturing.	Nos	240					
2.12	TRAINING HALL CHAIR							
	Training Room Chais: 1. SEAT/BACK ASSEMBLY: The seat and back are made up of 1.2 ±0.1cm. thick hot pressed plywood measured as per QA method described in OGP-QLTA-P14-18 and upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort.WIDTH (W): 54.0 CM. DEPTH (D): 81.0 CM. HEIGHT (H): 80.5 CM. SEAT HEIGHT (SH): 44.0 CM. 2. HIGH RESILIENCE (HR) POLYURETHANE FOAM: The HR polyurethane foam is moulded with density= 45 ±2 kg/m3 and Hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. 3. TUBULAR FRAME: The tubular frame is cantilever type & made of 0 2.54 ±0.03cm. x 0.2 ±0-016cm. M.S. E.R.W.tube-and black powder coated (OFT 40-60 microns).TheArmrestTube of 0 2.54 ±0.03cm. x 0.2 ±0.016cm. M.S. E.R.W. tube is welded to mainframe. The	Nos	50					

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	2.34 ±0.03cm. x 0.2 ±0.016cm. M.S. E.R.W. tube is welded to main frame. The desklet is fitted on the right hand side. 4. DESKLET ASSEMBLY: The wooden desklet is made of 1.8 ±0.05cm. thk. pre-laminated particleboard with 0.15 ±0.03cm. thk. P.V.C lipping all around. SIZE: 58.0±0.1cm. (W) X 29.0±0.1cm. (D). 5. ARMRESTS: The one-piece armrests are made of black integral skin polyurethane foam with 50-70 Shore hardness and-reinforced-with M.S. insert. The armrests are scratch and weather-resistant. 6. PAPER TRAY: The paper tray is made of 0 0.4 +0/-0.005cm. M.S. wire spot welded to form a mesh. It is black powder coated (OFT 40-60 microns) . SIZE: 35.0±1.0cm. (W) X 36.0±1.0cm. (D). X 12.5±1.0cm.(H) (Chair Reference shall be Godrej Training Room Product No. 7004 or Equivalent).							
2.13	RECEPTION SOFA (FOUR SEATER)							
	Sofa -Supply /Providing and making Sofa three Seater in Syn Leather finish with quilt and double cushion (Min 48kg/m3 density foam) in approved color and fabrics - leatherite / Fabrics. The Hand rest of the sofa will be finish with solid wood in PU finish/Chrome feet and Stainless Steel chrome frame. The sofa shall be designed as per tender reference image. Note: Sofa Models should be get approved from Client before submitting the Bids. The sofa size shall be 2250mm (L) x 800mm (W) and may be with tolerance of 5% is acceptable.	Nos	2					
2.14	CABIN SOFAS (THREE SEATER)							
	Sofa -Supply /Providing and making Sofa three Seater in Syn Leather finish with quilt and double cushion (Min 48kg/m3 48 density foam) in approved color and fabrics - leatherite / Fabrics. The Hand rest of the sofa will be finish with solid wood in PU finish/ Stainless Steel. Note: Sofa Models should be get approved from Client before submitting the Bids. The sofa size shall be 2100mm (L) x 800mm (W) and may be with tolerance of 5% is acceptable.	Nos	5					
2.15	CABIN SOFAS (DOUBLE SEATER)							
	Sofa -Supply /Providing and making Sofa double Seater in Syn Leather finish with quilt and double cushion (Min 48kg/m3 48 density foam) in approved color and fabrics - leatherite / Fabrics. The Hand rest of the sofa will be finish with solid wood in PU finish/ Stainless Steel. Note: Sofa Models should be get approved from Client before submitting the Bids. The sofa size shall be 1550mm (L) x 800mm (W) and may be with tolerance of 5% is acceptable.	Nos	5					

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INTEGRATED VACCINES COMPLEX, CHENGALPATTU

BOQ 2 - LOOSE FURNITURES / WORKSTATION

S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
2.16	CABIN SOFAS (SINGLE SEATER)							
	Sofa -Supply /Providing and making Sofa single Seater in Syn Leather finish with quilt and double cushion (Min 48kg/m ³ 48 density foam) in approved color and fabrics - leatherite / Fabrics. The Hand rest of the sofa will be finish with solid wood in PU finish/ Stainless Steel. Note: Sofa Models should be get approved from Client before submitting the Bids. The sofa size shall be 950mm (L) x 800mm (W) and may be tolerance of 5% is acceptable.	Nos	5					
3	COMPACTORS & RACKS							
3.1	COMPACTOR 1							
	Providing and fixing of Compactor/optimizer Storage unit in Metal finish of size 915 W x 457 D x 1980 mm Ht. 2 Bay Drive Type 1 - Main Unit , 2- Add-on Unit & 1 - Last Unit. [Over compactor1 storage space should cover the floor space of 2800mm (L) x 1850mm (W) x 1980mm (H)]	Nos	1					
3.2	COMPACTOR 2							
	Providing and fixing of Compactor Storage unit in Metal finish of size 915 W x 457 D x 1980 mm Ht. 3 Bay Drive Type 1 - Main Unit , 6- Add-on Unit & 1 - Last Unit. [Over compactor2 storage space should cover the floor space of 6500mm (L) x 2800mm (W) x 1980mm (H)]	Nos	1					
3.3	STEEL RACK (DOUBLE SIDE) FOR LIBRARY							
	Providing and fixing of Steel Book Racks made up of CRCA powder coated frames and capable of withstanding minimum 10kg/Sqft/shelves of Size 900mm (w) x 600mm (d) x 2100mm(H) Double Side Units with intermediate partitions.	Nos	6					
3.4	STEEL RACK (SINGLE SIDE) FOR LIBRARY							
	Providing and fixing of Steel Book Racks made up of CRCA powder coated frames and capable of withstanding minimum 10kg/Sqft/shelves of Size 900mm (w) x 600mm (d) x 2100mm(H) Singles Side Units.	Nos	2					
4	WORKSTATIONS & STORAGES							
4.1	L-SHAPED WORKSTATIONS							

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	Supply and Installation of L-Shaped Workstation(WISH HIBRID system) Made up of 25mm thick pre-laminated board as per approved make and the specifications as follows. The Frame thickness shall be 52 mm thk and 1200 mm ht. Toptiles should be 1 no of white board per person and rest of the area will be Fabric Magnetic. Middle Panel shall be with Fabric and Bottom Tile will be of Metal(Only Internal). The Switches/sockets/IT Ports to be mounted on bottom of metal tile at 120mm Ht Gap From Floor lvl. The complete workstation band shall be provided with aluminium powder coated frame edges of approved color. The workstation legs shall be made up of MS powder coated Legs. The each workstation should contain one number of CPU Trolley made up of MS powder coated and one number of mobile pedestals madeup of same 25mm thick pre-laminated board with 3 drawers (Box + Box + File). The pedestal size shall be 500mm x 450mm x 655mm. Fabric Basic rate should not be less than Rs.100/Sqft. The size of the workstations are listed below. Note: The color shade of pre-laminated board/fabrics shall be get approved from client before manufacturing. External Workstation shall be completely provided with 10mm Prelaminated Particle Boards.							
4.1.1	1500mm x 1500mm x 1200mm (H)	Nos	26					
4.2	LINEAR DOUBLE FACE WORKSTATIONS WITH PARTITION							
	Supply and Installation of Linear Double face Workstation with horizontal / Vertical intermediate partitions (WISH HIBRID system) Made up of 25mm thick pre-laminated board as per approved make and the specifications as follows. The Frame thickness shall be 52 mm thk and 1200 mm ht. Toptiles should be 1 no of white board per person and rest of the area will be Fabric Magnetic. Middle Panel shall be with Fabric and Bottom Tile will be of Metal. The Switches/sockets/IT Ports to be mounted on bottom of metal tile at 120mm Ht Gap From Floor lvl. The complete workstation band shall be provided with aluminium powder coated frame edges of approved color. The workstation legs shall be made up of MS powder coated Legs. The each single face workstation should contain one number of CPU Trolley made up of MS powder coated and one number of mobile pedestals madeup of same 25mm thick pre-laminated board with 3 drawers (Box + Box + File). [For double face workstation - 2Nos of CPU Trolley and 2 Nos of mobile pedestals shall be considered while bidding] The pedestal size shall be 500mm x 450mm x 655mm. Fabric Basic rate should not be less than Rs.100/Sqft. The size of the workstations are listed below. Note: The color shade of pre-laminated board/fabrics shall be get approved from client before manufacturing. External Workstation shall be completely provided with 10mm Prelaminated Particle Boards.							
4.2.1	1350mm(L) x 1200mm(W) x 1200mm(H)	Nos	84					

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
4.3	LINEAR SINGLE FACE WORKSTATIONS WITH PARTITION							
	Supply and Installation of Linear Workstation with intermediate partitions(WISH HIBRID system) Made up of 25mm thick pre-laminated board as per approved make and the specifications as follows. The Frame thickness shall be 52 mm thk and 1200 mm ht. Toptiles should be 1 no of white board per person and rest of the area will be Fabric Magnetic. Middle Panel shall be with Fabric and Bottom Tile will be of Metal. The Switches/sockets/IT Ports to be mounted on bottom of metal tile at 120mm Ht Gap From Floor lvl. The complete workstation band shall be provided with aluminium powder coated frame edges of approved color. The workstation legs shall be made up of MS powder coated Legs. The each workstation should contain one number of CPU Trolley made up of MS powder coated and one number of mobile pedestals madeup of same 25mm thick pre-laminated board with 3 drawers (Box + Box + File). The pedestal size shall be 500mm x 450mm x 655mm. Fabric Basic rate should not be less than Rs.100/Sqft. The size of the workstations are listed below. Note: The color shade of pre-laminated board/fabrics shall be get approved from client before manufacturing. External Workstation shall be completely provided with 10mm Prelaminated Particle Boards.							
4.3.1	1350mm(L) x 600mm(W) x 1200mm(H)	Nos	17					
4.4	LINEAR SINGLE FACE WORKSTATIONS WITHOUT PARTITION							
	Supply and Installation of Linear Workstation without Intermediate partition as per the following Specification. (WISH HIBRID system) Made up of 25mm thick pre-laminated board as per approved make and the specifications as follows. The Frame thickness shall be 52 mm thk and 1200 mm ht. Toptiles should be 1 no of white board per person and rest of the area will be Fabric Magnetic. Middle Panel shall be with Fabric and Bottom Tile will be of Metal. The Switches/sockets/IT Ports to be mounted on bottom of metal tile at 120mm Ht Gap From Floor lvl. The complete workstation band shall be provided with aluminium powder coated frame edges of approved color. The workstation legs shall be made up of MS powder coated Legs. The each workstation should contain one number of CPU Trolley made up of MS powder coated and one number of mobile pedestals madeup of same 25mm thick pre-laminated board with 3 drawers (Box + Box + File). The pedestal size shall be 500mm x 450mm x 655mm. Fabric Basic rate should not be less than Rs.100/Sqft. The size of the workstations are listed below. Note: The color shade of pre-laminated board/fabrics shall be get approved from client before manufacturing. External Workstation shall be completely provided with 10mm Prelaminated Particle Boards.							

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
4.4.1	1200 x 600 x 1200 mm H	Nos	4					
4.4.2	1350 x 600 x 1200 mm H	Nos	10					
4.4.3	1890 x 600 x 1200 mm H	No	1					
4.5	HALF HEIGHT STORAGE							
	Supply & Installation of half height storage units made with 18mm pre laminated Particle board finished with edge binding of approved color with 03 shelves in between. The shutters shall be made with 18mm pre laminated Particle board and shall be fixed with Italian hinges and shall have handles lock, magnetic catch etc. of approved type and make. The storage sizes are as listed following. <i>Note: (PI refer tender - Reference Image for details)</i>							
4.5.1	900mm x 450mm x 1200mm H	Nos	83					
4.5.2	1200mm x 450mm x 1200mm H	Nos	94					
4.6	FULL HEIGHT STORAGE							
	Supply & Installation of full height storage units made with 18mm pre laminated Particle board finished with edge binding of approved color with 03 shelves in between. The shutters shall be made with 18mm pre laminated Particle board and shall be fixed with Italian hinges and shall have handles lock, magnetic catch etc. of approved type and make. The storage sizes are as listed following. <i>Note: (PI refer tender - Reference Image for details)</i>							
4.6.1	1200mm x 450mm x 2100mm H	Nos	8					
BASIC SUB TOTAL								
SUPPLY TAX								
ERECTION TAX								
GRAND TOTAL								

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BOQ3 - ELECTRICAL / IT WORKS

S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1	CONDUITS & WIRING							
1.1	MS CONDUITS (In Civil Wall / Floor / Ceiling)							
	Supply and laying of following sizes heavy duty 16swg MS Conduits laid in floor / concealed in wall / partitions with necessary clamps, screws etc. Labour charge includes necessary chase cutting and finishing with marter. for Raw power sockets. Note: Scope also includes any Civil wall/floor/ceiling chipping and Plastering matching with existing surface finish.							
1.1.1	19mm DIA MS CONDUITS	Mts.	120					
1.1.2	25mm DIA MS CONDUITS	Mts.	120					
1.1.3	32mm DIA MS CONDUITS	Mts.	300					
1.1.4	40mm DIA MS CONDUITS	Mts.	200					
1.1.5	50mm DIA MS CONDUITS	Mts.	160					
1.2	MS CONDUITS (In Wall / Ply Partions)							
	Supply and laying of following sizes heavy duty 16swg MS Conduits laid in floor / concealed in wall / partitions with necessary clamps, screws etc. Labour charge includes necessary chase cutting and finishing with marter. for Raw power sockets. Note: Scope also includes any Wall / Ply Partition Cutouts and Finishing upto the satisfaction of client.							
1.2.1	19mm DIA MS CONDUITS	Mts.	120					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1.2.2	25mm DIA MS CONDUITS	Mts.	120					
1.2.3	32mm DIA MS CONDUITS	Mts.	300					
1.2.4	40mm DIA MS CONDUITS	Mts.	200					
1.2.5	50mm DIA MS CONDUITS	Mts.	160					
1.3	PVC CONDUITS (In Civil Wall / Floor / Ceiling)							
	Supply and laying of following sizes heavy duty PVC Conduits laid in floor / concealed in wall / partitions with necessary clamps, screws etc. Labour charge includes necessary chase cutting and finishing with marter. for Raw power sockets. Note: Scope also includes any Civil wall chipping and Plastering matching with existing surface finish.							
1.3.1	19/20mm DIA PVC CONDUITS	Mts.	400					
1.3.2	25mm DIA PVC CONDUITS	Mts.	150					
1.3.3	32mm DIA PVC CONDUITS	Mts.	150					
1.3.4	40mm DIA PVC CONDUITS	Mts.	120					
1.3.5	50mm DIA PVC CONDUITS	Mts.	120					

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1.4	PVC CONDUITS (In Wall / Ply Partions)							
	Supply and laying of following sizes heavy duty PVC Conduits laid in floor / concealed in wall / partitions with necessary clamps, screws etc. Labour charge includes necessary chase cutting and finishing with marter. for Raw power sockets. Note: Scope also includes any Wall / Ply Partition Cutouts and Finishing upto the satisfaction of client.							
1.4.1	19/20mm DIA PVC CONDUITS	Mts.	400					
1.4.2	25mm DIA PVC CONDUITS	Mts.	150					
1.4.3	32mm DIA PVC CONDUITS	Mts.	150					
1.4.4	40mm DIA PVC CONDUITS	Mts.	120					
1.4.5	50mm DIA PVC CONDUITS	Mts.	120					
2	CABLING & WIRING							
2.1	1Ø POWER WIRING							
	Supply and lying 2 Runs of following PVC Insulated multistranded copper conductor FRLS wires with one run of earthing wire in already laid PVC/MS Conduits concealed in wall /partitions or laid in open fashion above false ceiling with necessary clamps,screws etc.,							
	2.5sqmm 2Runs & 1.5sqmm 1Run	Mts.	540					
	4sqmm 2Runs & 2.5sqmm 1Run	Mts.	270					
	6sqmm 2Runs & 2.5sqmm 1Run	Mts.	90					

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
2.2	3Ø POWER WIRING							
	Supply and lying 4 Runs of following PVC Insulated multistranded copper conductor FRLS wires with one run of earthing wire in already laid PVC/MS Conduits concealed in wall /partitions or laid in open fashion above false ceiling with necessary clamps,screws etc.,							
2.2.1	4sqmm 4Runs & 2.5sqmm 1Run	Mts.	75					
2.2.2	6sqmm 4Runs & 2.5sqmm 1Run	Mts.	50					
2.3	PRIMARY/SECONDARY CIRCUIT WIRING							
	Supply and lying 2 Runs of 2.5Sqmm PVC Insulated multistranded copper conductor FRLS wires with one run of 1.5Sqmm earthing wire in already laid PVC/MS Conduits concealed in wall /partitions or laid in open fashion above false ceiling with necessary clamps,screws etc.,	Mts.	120					
3	SWITCHES & SOCKETS							
3.1	10A SWITCHES (IN CIVIL WALL)							
	Supply and lying of 10A Switches and 5Pin Sockets as per following listed Modules made of CRCA box with front and Rear Plate. The Mounting box shall be fixed in Wall open/Concealed wall / Fixed in Partitions. Scope Includes Modules. Note: Scope also includes any Civil wall chipping and Plastering matching with existing surface finish.							
3.1.1	1Nos in 1/2 Module	Sets	70					
3.1.2	2Nos in 2 Module	Sets	70					

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
3.1.3	3Nos in 3 Module	Sets	70					
3.1.4	1Nos in 1/2 Module (Two Way Switch)	Sets	70					
3.1.5	2Nos in 2 Module (Two Way Switch)	Sets	70					
3.2	10A SWITCHES (IN WALL/PLY PARTITIONS / WORKSTATIONS)							
	Supply and lying of 10A Switches and 5Pin Sockets as per following listed Modules made of CRCA box with front and Rear Plate. The Mounting box shall be fixed in Wall open/Concealed wall / Fixed in Partitions. Scope Includes Modules. Note: Scope also includes any Wall / Ply Partition Cutouts and Finishing upto the satisfaction of client.							
3.2.1	1Nos in 1/2 Module	Sets	70					
3.2.2	2Nos in 2 Module	Sets	70					
3.2.3	3Nos in 3 Module	Sets	70					
3.2.4	1Nos in 1/2 Module (Two Way Switch)	Sets	70					
3.2.5	2Nos in 2 Module (Two Way Switch)	Sets	70					
3.3	6/16A SWITCHES WITH SOCKETS (IN CIVIL WALL)							
	Supply and lying of following switches/sockets in GI box with front and Rear plate .The mounting box shall be fixed in wall open/concealed in Civil wall / fixed in partitions. Scope Includes Modules. Note: Scope also includes any Civil wall chipping and Plastering matching with existing surface finish.							

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
3.3.1	1No. 6/16 Amps socket with 1No. 5Pin switch in 3 module.	Sets	70					
3.3.2	2Nos. 6/16 Amps sockets with 2Nos. 5Pin switches in 3 module.	Sets	70					
3.4	6/16A SWITCHES WITH SOCKETS (IN WALL/PLY PARTITIONS / WORKSTATIONS)							
	Supply and lying of following switches/sockets in GI box with front and Rear plate .The mounting box shall be fixed in wall open/concealed in Civil wall / fixed in partitions. Scope Includes Modules. Note: Scope also includes any Wall / Ply Partition Cutouts and Finishing upto the satisfaction of client.							
3.4.1	1No. 6/16 Amps socket with 1No. 5Pin switch in 3 module.	Sets	70					
3.4.2	2Nos. 6/16 Amps sockets with 2Nos. 5Pin switches in 3 module.	Sets	70					
3.5	UPS SWITCHES/SOCKETS (IN CIVIL WALL)							
	Supplying of 2 x 6 Amps multi pin UPS Sockets with One nos 16 Amps Switch housed in 5 module GI box and front plate fixed in Civil wall open / concealed manner (or) on partitions with necessary accessories such as screws bolts & nuts etc. Scope Includes Modules. Note: Scope also includes any Civil wall chipping and Plastering.	SETS	166					

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3.6	UPS SWITCHES/SOCKETS (IN WALL/PLY PARTITIONS / WORKSTATIONS)							
	Supplying and Installation of 2Nos of Each 2 x 6 Amps multi pin UPS Sockets with 16 Amps Switch with 5 module front plate fixed in workstation partitions with necessary accessories such as screws bolts & nuts etc. Scope Includes Modules.	SETS	152					
4	CABLE TRAY							
	Supply and Erection of Cable Tray: Supply and erection of following size hot dip galvanized ladder type / perforated cable tray made out of 1.6mm thick sheet steel incase of perforated, and 2.0mm thick for ladder type, formed sheet steel, folded to required shape, including suitable number of inward / outward bends, Tees, couplers, clamps and fasteners as per the standard specification. The rate is inclusive of required number of coupler plates, fastners etc and measurable in Running Meters (RM). Cost for support member like wall mounting or hanging type bracket, suspension fully threaded M10 down rod with necessary nuts, Anchor fastners are included and to be measured in running meters. The support shall be provided minimum at 2.0m interval or at closer intervals as required.							
4.1	450mm width x 75 H ladder type	Rmt	80					
4.2	300mm width x 50 H Perforated type	Rmt	250					
4.3	150mm width x 20 H Perforated type	Rmt	130					

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5	FLOOR RACEWAYS							
	Supply and Installation of floor raceways fabricates out of GI Powdercoated 2mm Thick and 20Micron coatings. The Raceways duct and accessories complete with necessary duct connector, Vertical and Horizontal bends, Tees, Fastening clamp, end cap suitable sized adjustable junction boxes at regular intervals of every 5Mtrs as well as wherever connection to be required on Table and other accessories etc., as required. The Finish shall be as per approval of client.							
5.1	250mm (W) x 38mm (H) - 3 Compartments	Nos	20					
5.2	250mm (W) x 38mm (H) - 2 Compartments	Nos	20					
5.3	250mm (W) x 28mm (H) - 3 Compartments	Nos	30					
5.4	250mm (W) x 28mm (H) - 2 Compartments	Nos	30					
6	JUNCTION BOXES							
	Supplying 50mm height GI Powder Coated Junction boxes with cover made of 14Swg finished and fixed flush with the wall / floor and necessary supports etc.							
6.1	100 x 100 mm	NOS.	20					
6.2	150 x 150 mm	NOS.	30					
6.3	250 x 250 mm	NOS.	10					
6.4	300 x 300 mm	NOS.	10					
6.5	350 x 350 mm	NOS.	10					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
7	LIGHT FITTINGS							
	Supply , Installation, Testing & Commissioning of Standard Light fittings and Lighting Accessories including lamp. The Scope shall also includes all Hardware such as SS chain or 16SWG SS Wore or Gripper lighting supports, Nuts, anchor fasteners, bolts, screws, cleats, clamps, Junction boxes etc.,							
7.1	38W LED (2x2 MODULE)							
	Supply and Installation of 38W LED 2x2 module with white frame diffuser. The frame shall be CRCA Powder Coated with ABS Plastic top cover for better aesthetic finish and Highly efficient PMMA diffusers for better light transmission and pure effect. The LED should be High Luminous flux LED. The Electronic driver should be wired up to the Terminal block. The light should be designed and manufactured to comply with IS 10322 part5/Sec1 1987. The RAL color of frame shall be approved by Client.	nos	210					
7.2	LED DOWN LIGHT							
	Supply and Installation of single LED down light of following capacities. The LED module should be with High power, Efficiency, transmittivity and non-yellowing PMMA diffuser. The housing shall be made of Pressure die casted aluminium and special wave shaped radial heat sink, black powder coated for superior thermal performance. The Light should be designed to install with clips. The driver shall be pre-wired upto terminal block. The light frame color shall be match with Ceiling Color. (Note: The frame shall be either round or square in shape will be decided by client while approving the execution layout)							

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
7.2.1	11W Single LED down light as per above mentioned specifications.	Nos	100					
7.2.2	14W Single LED down light as per above mentioned specifications.	Nos	60					
7.2.3	16W Single LED down light as per above mentioned specifications.	Nos	40					
7.3	6W LED SPOT/FOCUS LIGHT							
	Supply and Installation of following capacity Single LED SPOT/FOCUS light. The Efficacy of light should not be less than 100Lumens/watt) and High efficiency Prismatic collimator lens (Min Beam angle of 40-50deg) for better light distribution. The heat sink shall be made of black anodized aluminium for effective heat Dessipation. The Driver shall be prewired upto the terminal block. Note: 1. The light frame color shall be match with Ceiling Color. 2. The Light LED color shall be chosen by client as per site condition/requirement. Ref: (BB 170 1xdled 5000PSI)							
7.3.1	2W Single LED Spot light as per above mentioned specifications.	Nos	35					
7.3.2	5W Single LED Spot light as per above mentioned specifications.	Nos	35					
7.3.3	6W Single LED Spot light as per above mentioned specifications.	Nos	40					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
7.4	FTL LIGHTS							
	Supplying and installation of Patti suitable following Watts FTL Light made of high quality CRCA sheet steel powder coated housing & cover. Engineering plastic end caps and snap fit polycarbonate lamp holders. High frequency electronic ballast prewired up to terminal block. Suitable for 1 x 36 W T8 and 1 x 28 W T5 lamps. The Light fixture and frame shall be designed and manufactured in accordance with IS 10322 Part 5/Sec 1:1987. The light also shall be provided with Snap fit polycarbonate lamp holders and 3way 5amps GFP mains connector for 1sqmm incoming cable.							
7.4.1	1 x 28W FTL (T5) as per above mentioned specifications.	Nos	40					
7.4.2	1 x 36W FTL (T8) as per above mentioned specifications.	Nos	40					
7.5	ROPE STRIP LIGHT (INDOOR)							
	Supply and installation of Rope Strip lights suitable for indoor applications of following watts/capacities. The SMD LED chips should have solid state high brightness and the strip should be able to cut at intervals marked to suit desired lengths. The light should be protected with IP 20 suitable for indoor applications and the view angle shall be upto 120 degree. Note: The LED Color shall be chosen by Client as per site condition and requirement.							
7.5.1	4.8W per Meter (Minimum 60 LED per Meter)	RMT	30					
7.5.2	14.4W per Meter (Minimum 60 LED per Meter)	RMT	30					

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
7.6	ROPE STRIP LIGHT (OUTDOOR)							
	Supply and installation of Rope Strip lights suitable for outdoor applications of following watts/capacities. The SMD LED chips should have solid state high brightness and the strip should be able to cut at intervals marked to suit desired lengths. The light should be protected with IP 65 rating suitable for outdoor applications and the view angle shall be upto 120 degree. Note: The LED Color shall be chosen by Client as per site condition and requirement.							
7.6.1	4.8W per Meter (Minimum 60 LED per Meter)	RMT	30					
7.6.2	14.4W per Meter (Minimum 60 LED per Meter)	RMT	30					
8	EARTHING							
8.1	EARTH LINK (COPPER FLAT)							
	Supplying MET 200mm.long 25 x 3 mm. Copper flat with SMC Insulators in open fashion with necessary clamps, screws, etc. as earth link.	SETS	8					
8.2	EPABX EARTHING [25 Sqmm]							
	Supplying 25 Sq.mm.PVC Insulated copper conductor wires in open or concealed fashion enclosed in PVC Conduits with necessary clamps, screws, interlinks etc., for EPABX earthing	MTS.	155					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
8.3	EPABX EARTHING [16 Sqmm]							
	Supplying 16 Sq.mm.PVC Insulated copper conductor wires in open or concealed fashion enclosed in PVC Conduits with necessary clamps, screws, interlinks etc., for EAPBX earthing	MTS.	245					
8.4	RACK/COMPACTOR EARTHING							
	Supplying 10 Sq.mm.PVC Insulated copper conductor wires in open or concealed fashion enclosed in PVC Conduits with necessary clamps, screws, interlinks etc., for rack / compactor earthing	MTS.	215					
8.5	EQUIPMENTS EARTHING							
	Supplying 10 SWG bare copper wire and crimped with suitable lug for earthing of equipments.	MTS.	220					
9	AIR CURTAIN							
9.1	ENTRY AIRCURTAIN							
	Supply and Installation of Aircurtains sizing 2500mm (L) x 450mm(D) as per tender approved make and detailed listed technical specifications. The scope also includes the installation of aircurtain and main sliding door entry in Admin block Tie beam.	No	1					
10	IT WORKS							
10.1	E-CAT 6A CABLE							
	Supply and laying of E-cat 6A twisted pair, UTP cable in the existing conduit-for Data.	Mtr	3000					

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
10.2	E-CAT 6 CABLE							
	Supply and laying of E-cat 6 twisted pair, UTP cable in the existing conduit-for Voice.	Mtr	3000					
10.3	END TERMINATION - E-CAT 6A CABLE							
	Supply of End termination on Both Sides of E-cat 6A Cable in information out lets for data.	Nos	320					
10.4	END TERMINATION - E-CAT 6 CABLE							
	Supply of End termination on Both Sides of E-cat 6 Cable in Information out lets for Voice.	Nos	320					
10.5	SINGLE FACE PLATE							
	Supply and fixing of Single face plate with Back Box.	Nos	250					
10.6	DUAL FACE PLATE							
	Supply and fixing of Dual face plate with Back Box.	Nos	250					
10.7	PATCH PANELS							
	Supply and Installation of 24Port Patch Panel with integrated cable tie shelf, 19" fastening kit, labelling field, accepting the snap-in type color coding clips in 8colors. Material of Construction: Sub-rack made of sheet steel (DC01A) 1.5mm, color blue chromatized, screen made of plastic(ABS), halogen-free, color medium gray (NCS 2502-B). Information Outlet or connection module should comply with the specification mentioned above in 10.3 & 10.4.	Nos	10					

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				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
10.8	E-CAT 6A PATCH CORDS							
	Supply and fixing of 7 feet length E-cat 6A patch cords.	Nos	320					
10.9	E-CAT 6 PATCH CORDS							
	Supply and fixing of 7 feet length E-cat 6 patch cords.	Nos	320					
10.10	TELEPHONE CABLE							
	Supply and laying of 7feet Length Twisted Pair telephone cable.	Nos	190					
10.11	GI FLEXIBLE HOSE							
10.11.1	Supply and laying of 1" GI Flexible Hose with end termination connectors.	mtr	150					
10.11.2	Supplyand laying of 2" GI Flexible Hose with end termination connectors.	mtr	150					
BASIC SUB TOTAL								
SUPPLY TAX								
ERECTION TAX								
GRAND TOTAL								

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BOQ4 - A/V SYSTEM

S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
				Unit Rate Rs.	Total Rs.	Unit Rate Rs.	Total Rs.	
1	CONFERENCE ROOM							
1.1	LCD PROJECTOR							
	4000 ANSI Lumens, WXGA (1280 x 800 pixels) 3 LCD Projector with contrast ratio of 12,000:1 , 1x HDMI,1xVGA,1xAudio,1xAudio out. The scope include the Ceiling Mount Bracket (Upto 10 Kg Projector) and all necessary fixtures/fittings.	No	1					
1.2	PROJECTOR SCREEN							
	109" 277 cm, 16:10, Matt White, 220 V, Motorized Screen	No	1					
1.3	CARDIOD MICROPHONE							
	18 inch Gooseneck Stem, with cardioid microphone capsule of frequency range of 50 to 20000 Hz,Sensitivity of 20 mV/Pa with shock mount. (Refer Detailed Technical Specification in Tender.)	Nos	20					
1.4	WIRELESS MICROPHONE							
	Wireless Lapel Microphone Set an handle complex antenna systems and up to 8 channel simultaneous wireless channels diversity receiver and Cardiod headset and lapel microphone transmitter.	Nos	3					
1.5	CEILING MOUNTED SPEAKER							
	Ceiling mount speaker with transformer and frequency range of 80 Hz - 20 kHz,Maximum SPL: 102 dB @ 1 m,transformer tapping of 30W on 100V or 70V.	Nos	8					
1.6	SURFACE MOUNTED SPEAKERS							
	Surface mount speaker with frequency range of 70Hz-23kHz with 8 ohms impedance of program power of 200W	Piece	2					
1.7	AMPLIFIER							
	Dual Channel Amplifier with 2x80W at 8 ohms or 2x80W at 100 or 70V with Input Impedance 20K ohms/50K ohms	Nos	3					
1.8	DIGITAL SIGNAL PROCESSING							
	Configurable Signal Processing 12x8 DSP with 12 Analog Inputs (with 48v Phantom Power per Channel) 8 Analog Outputs, 48 Channel, Low Latency, Fault Tolerant Digital Audio Bus,Clear Front Panel LED Indication,12 Control Inputs and 6 Logic Outputs for GPIO Integration	Nos	2					
1.9	SCALING PRESENTATION SWITCHER							

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S.NO	DESCRIPTION	UNIT	QTY	SUPPLY		ERECTION		TOTAL Rs.
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	Two Input VGA, 4 Input HDMI and 2 HDMI Outputs (HDCP), Scaling Presentation Switcher, Resolution Range 640x480 to 1600x1200 and 1920x1200 NTSC, PAL, SECAM, 480P, 576P, 720P, 1080i, 1080P, 2K, 2 Mic/Line Inputs With ducking and 48 Volt phantom power, HDMI Audio Embedding and De- Embedding, Auto Image Setup	Nos	2					
1.10	CONFERENCE CABLING & RACKS							
	Supply and Installation of following listed cables and Racks as per tender approved make and detailed specifications.							
1.10.1	Cable Management Box with VGA,Audio,HDMI,2 LAN & 2 Power (Ektron / Kramer)	Nos	2					
1.10.2	Balanced Stereo Audio or Control Cables with Necessary End termination connectors (20 AWG)	Mts	60					
1.10.3	Speaker Cable with Necessary End termination connectors(16 AWG)	Mts	300					
1.10.4	Microphone Cable with Necessary End termination connectors	Mts	400					
1.10.5	24U Equipment Rack with IEC socked 10 Nos, Cooling Fan, 4 Shelf	Set	1					
1.10.6	VGA Cables (Extron / Kramer)	Mtrs	40					
1.10.7	6feet of VGA Patch Cables (Extron / Kramer)	Nos	2					
2	BOARD ROOM							
2.1	LFD DISPLAY UNIT 55"							
	55" Full HD, 350 cd/m2 Brightness,Contrast Ratio 5,000:1, Response Time 6.5 ms (G to G), with HDMI Type A Connector x 2,DVI-D 24-pin x 1 input LFD Display. The scope also includes wall Mount Bracket (Upto 50 Kg Display, VEGA 400x400) and necessary fittings.	Nos	3					
2.2	HD VIDEOCONFERENCE							

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	<p>HD Videoconference system supports Any high definition display supporting HDMI or DVI-I input. Communications of H.323, SIP 128Kbps - 4.0Mbps (point-point) 128Kbps - 1.5Mbps (multipoint, per call),channel.</p> <p>Video Standards H.261, H.263, H.263+, H.264 and H.239 compliant Dual Streaming with video bandwidth balance, Built in multipoint facility of (1+3). Maximum resolutions of 1080p@ 30 frames per second, widescreen 16:9 aspect ratio All resolutions progressive scanning All resolutions at 30 frames per second.</p> <p>Camera of 10x Wide-angle zoom lens with 70 degree field of view, Up to 4x/10x optical zoom Auto focus / Automatic gain control 10 camera presets.</p> <p>Video input of 1 x HD Camera (720p30) 1 x HD Video In (1080p30/720p60) 1 x DVI-I In (HDMI/VGA enabled) Video Outputs (2 Outputs) 1 x HD Video Out (1080p30/720p60) 1 x DVI-I Video Out (1080p30/720p60) Audio inputs 2 x Stereo Line In (3.5 mm) 1 x Mic In - Two channel (3.5 mm) 1 x HD Video In Audio output of 1 x Stereo Line Output (3.5mm) 1 x HD Video Out</p> <p>Other Supported Standards H.221, H.224, H.225, H.231, H.241, H.242, H.245, H.281, BONDING (ISO13871) RFC 3261, RFC 3264, RFC 2190, RFC 3407, RFC 2833. The scope also includes the necessary brackets and fittings for fixing the videocam near the display units.</p>	Set	1					
2.3	CABLE CUBBY							
	Cable Cubby with one Multi-Region AC, Includes one unswitched AC power outlet and Cable Pass-Through Bracket for up to four AV cables, UL/c-UL listed and CE compliant, Black black powder coat finish	Nos	2					
2.4	VC CABLING & RACKS							
	Supply and Installation of following listed cabling and related equipments/accessories as per tender approved make and detailed specifications.							
2.4.1	Cable Pass-Through Bracket for up to four AV cables, UL/c-UL listed and CE compliant, Black black powder coat finish	Piece	2					

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2.4.2	Eight Input HDCP-Compliant Scaling Presentation Switcher with 2x VGA, 4 x HDMI and one Shielded twisted pair input and output and 2 HDMI output with built in amplifier 2 x 50 Watt Stereo Power Amplifier and control processor - of 1 x RS-485,2 xRS-232 and 2xIR	Piece	1					
2.4.3	HDMI Interface Cable 6 feet	Piece	6					
2.4.4	Male to Male 15-pin HD Micro HR with Audio Cables 6 feet	Piece	2					
2.4.5	MicroDigital Ultra-Flexible HDMI Cable - 3' (90 cm)	Piece	4					
2.4.6	HDMI to DVI Standard Speed Cable - 6' (1.8 m)	Piece	1					
2.4.7	HDMI Female to DVI-D Male Adapter, Gold Plated Contacts	Piece	1					
2.4.8	HDMI Interface cable 35'	Piece	2					
2.4.9	HDMI Standard Speed Cable: HDMI Male to Male - 25' (7.6 m)	Piece	4					
2.5	CARDIOD MICROPHONE							
	High Performance Boundary microphone with polar pattern of super cardioid,frequency response of 40 to 20,000 Hz ,Impedance of 150 ohms,Sensitivity of 22 mV/Pa (-30dBV),Maximum SPL -120 dB,Powering of 12 to 48 V phantom power to DIN/IEC	Piece	12					
2.6	DIGITAL SIGNAL PROCESSING							
	Configurable Signal Processing 12x8 DSP with 12 Analog Inputs (with 48v Phantom Power per Channel) 8 Analog Outputs, 48 Channel, 12 Channels of AEC Processing with Auto Gain Control and Noise Cancellation, Low Latency, Fault Tolerant Digital Audio Bus,Clear Front Panel LED Indication,12 Control Inputs and 6 Logic Outputs for GPIO Integration	Piece	1					
2.7	AMPLIFIER							
	Dual Channel Amplifier with 2x80W at 8 ohms or 2x80W at 100 or 70V with Input Impedance 20K ohms/50K ohms	Piece	3					
2.8	SURFACE MOUNTED SPEAKERS							

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	Surface mount speaker with frequency range of 70Hz-23kHz with 8 ohms impedance of program power of 200W	Piece	2					
2.9	CEILING MOUNTED SPEAKERS							
	Ceiling mount speaker with transformer and frequency range of 80 Hz - 20 kHz,Maximum SPL: 102 dB @ 1 m,transformer tapping of 30W on 100V or 70V	Piece	8					
2.10	BOARDROOM CABLING & RACKS							
	Supply and Installation of following listed cables and Racks as per tender approved make and detailed specifications.							
2.10.1	5 high resolution mini coax cable	Meter	100					
2.10.2	Balanced Stereo Audio or Control Cable (20 AWG)	Meter	150					
2.10.3	Speaker Cable (16 AWG)	Meter	200					
2.10.4	Microphone Cable	Meter	200					
2.10.5	Shielded twisted pair cable 24 AWG Cable with Certified to 475 MHz bandwidth at distances up to 330 feet (100 m)	Meter	100					
2.10.6	RJ45 Plugs Ideal for high EMI/RFI environments, with Gold plated contacts	PACK	1					
2.10.7	Equipment Rack with IEC socked 10 Nos, Cooling Fan, 4 Shelf	Set	1					
2.10.8	Other Connectors and accessories	Lot	1					
3	TRAINING ROOM							
3.1	LCD PROJECTOR							
	3.1K ANSI Lumens WXGA (1,280 x 800) pixels,Contrast ratio of 8,000:1, 1x HDMI,1xVGA,1xAudio,1xAudio out .DLP Ultra short throw projector	No	1					
3.2	PROJECTOR SCREEN							
	109" 277 cm, 16:10, Matt White, 220 V, Motorized Screen	No	1					
3.3	WIRELESS HANDHELD MICROPHONE							
	Wireless Handheld Microphone Set can handle complex antenna systems and up to 8 channel simultaneous wireless channels diversity receiver and condenser handheld microphone transmitter	Nos	2					
3.4	WIRELESS LAPEL MICROPHONE							
	Wireless Lapel Microphone Set an handle complex antenna systems and up to 8 channel simultaneous wireless channels diversity receiver and Cardiod headset and lapel microphone transmitter.	Nos	1					
3.5	DUAL CHANNEL AMPLIFIER							

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	Dual Channel Amplifier with 2x80W at 8 ohms or 2x80W at 100 or 70V with Input Impedance 20K ohms/50K ohms	Nos	1					
3.6	CEILING MOUNTED SPEAKERS							
	Ceiling mount speaker with transformer and frequency range of 80 Hz - 20 kHz, Maximum SPL: 102 dB @ 1 m, transformer tapping of 30W on 100V or 70V, Power Capacity: 80 Watts Continuous Program Power, Normal Sensitivity: 86DB SPL @ 1m, Nominal Coverage Angle: 130 Degrees Conical Coverage, Transducers- Low Frequency: 100mm Poly Propelline coted 1 inch coil on Aluminium former, High Frequency: 19mm titanium coted polister	Piece	4					
3.7	TRAININGROOM CABLING & RACKS							
	Supply and Installation of following listed cables and Racks as per tender approved make and detailed specifications.							
3.7.1	Passive Wall Plate - 15-pin HD, 3.5mm Audio & HDMI	Piece	1					
3.7.2	VGA Patch Cable 6' (Extron/ Kramer)	Piece	1					
3.7.3	HDMI Patch Cable 6' (Extron/ Kramer)	Piece	1					
3.7.4	VGA Cable 20 Metre (Extron/ Kramer)	Piece	20					
3.7.5	HDMI Interface cable 35' (Extron/ Kramer)	Piece	1					
3.7.6	Balanced Stereo Audio or Control Cable (20 AWG) (Extron/ Kramer)	Meter	100					
3.7.7	Speaker Cable (16 AWG) (Extron/ Kramer)	Meter	100					
3.7.8	Shielded twisted pair cable 24 AWG Cable with Certified to 475 MHz bandwidth at distances up to 330 feet (100 m) (Extron/ Kramer)	Meter	100					
3.7.9	RJ45 Plugs Ideal for high EMI/RFI environments, with Gold plated contacts (Neutrik)	PACK	1					
3.7.10	Equipment Rack with IEC socked 10 Nos, Cooling Fan, 4 Shelf	Set	1					
3.7.11	Branded Bulk Cables and Connectors	Lot	1					
BASIC SUB TOTAL								
SUPPLY TAX								
ERECTION TAX								
GRAND TOTAL								