

SUMMARY OF
WORKS FOR SHCIL –
VASAI BRANCH
OFFICE (APP. 600 FT)

NO	DETAILS	Amount (Rs.)
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A	TOTAL OF DEMOLITION WORK	
B	TOTAL OF CIVIL WORK	
C	TOTAL OF PLUMBING WORK	
D	TOTAL OF POP WORK	
E	TOTAL OF PAINTING WORK	
F	TOTAL OF CARPENTRY WORKS	
G	TOTAL OF CHAIRS AND SOFA	
	TOTAL - SECTION I - CIVIL & FURNISHING WORKS	
	TOTAL of SECTION II - ELECTRICAL WORKS	
	TOTAL of SECTION III - HVAC WORKS	
	TOTAL of SECTION IV - NETWORKING WORKS	
	TOTAL of SECTION V - ELECTRONICS	
	GRAND TOTAL in Rs. - SECTION I, II, III,IV and V	

PROPOSED INTERIORS OF BRANCH PREMISES FOR SHCIL AT VASAI
SCHEDULE OF QUANTITIES
(CARPET AREA - 600 SFT.Approx.)

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
A	SECTION I - CIVIL & FURNISHING WORKS				
	DEMOLITION WORK		Lum p sum		
1	<p>Carefully removing existing raised portion as marked in the plan without damaging the existing tiled floor and making it ready for tiling. As per the instructions and carting away the Debris to nearest Municipal corporation Dump yard. REF DWG VASAI/PP/2</p> <p>The work of demolishing, cutting down, dismantling, etc. carting away all unserviceable materials and debris from site to nearest municipal dump. The rate should include cost for carrying out any other unforeseen items required for the proper execution of the work. With proper and sufficient hoarding, screen and fence during the time as may be necessary for the safety and convenience of the inmates of the existing buildings and maintain the same in the good condition during demolition to prevent accidents. Contractor will have to make good without any extra payment for any damage done during carrying out the above mentioned work.</p>				
	TOTAL (A)				
B	CIVIL WORKS				
1	<p>Loft Slab Providing & fixing slab made of 60mm X 60mm MS Angle support at maximum distance of 600mm c/c welded to MS Cleats bolted to wall & fixed with Kadappa (40mm thk) and coba over the same. The finished surface becoming the ceiling of toilet and to be fixed with bison panel & finished with paint completes with all fitting and fixtures to support 400 lit water tank load. AS PER DWG VASAI/FL/3 AND VASAI/SECAA/8</p>	19	sft		

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
2	<p>Vitrified Tile flooring in the dismantled raised portion as shown in the Plan. PL REF. ITEM 1A</p> <p>Providing & laying Indian make premium (first) quality Vitrified tile flooring as per the existing flooring shade and patterns with tiles of sizes 600 x 600mm of approved color (matching to existing tiles) & make on 1:4 cement: sand mortar bed of average 65 to 70 mm thickness. Fixed with cement slurry, including fixing to required slopes, floating filling joints with white / colored tile joints filling compound, curing, etc. Rate to be applicable for all levels & heights. No extra is payable for additional thickness of bedding to match adjoining floors, as per drawing and directions of Consultant.</p> <p>(Basic Cost of Tile- Rs.100).</p> <p>TOTAL (B)</p> <p>PLUMBING WORKS.</p>	19.5	sft		
C					

1	<p>Utilizing existing plumbing lines / drain outlets of the existing toilets, providing and fixing new internal plumbing supply / drainage lines in GI / CI (C class pipes) conforming to IS 1239-1982 with all fittings like tees, bends, elbows, reducers, unions, nipples etc including concealing the pipes in walls encased in PVC pipes, fixing in the wall with M.S. clamps and making good the wall surface including 3 coats of approved enamel paint etc. complete hydraulic testing after laying the pipes as specified including making holes in walls or floors as required and making good the same including 15mm diameter GI pipes and 32mm diameter supply to flush.</p> <p>Fitting Pantry Sink with the water connection provided and a drain available thru the side wall of the toilet and make it fully functional with Jaguar Heavy duty 2 in 1 tap .(Continental).To be finished with Concealed Plumbing for Water purifier. REF DWG; VASAI/FL/3.</p>	1			
2.	<p>Accessories :Towel Ring Square (Product Code: AKP-CHR-35721P)push Button Soap Dispensers (Product Code: SDR- WHT-DJ0010F)</p> <p>Wall Mounted Paper towel dispensers (Product Code: PTD-SAP-DT0106CS).</p> <p>Mirror in Bathroom.</p>	1EACH			
3	<p>Providing a 400 lit. Water tank above the bathroom. Cost shall include water connections from the building water line to the tank and from the tank to all the equipment. REF DWG: VASAI/SEC AA/8</p> <p>Total Plumbing Works (C)</p>	1			

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
D	POP WORKS				
1	<p>Gypsum false Ceiling at a height of 8'-9" from finished floor line.</p> <p>REF DWG: VASAI/RCP/4</p> <p>Providing and fixing Gypsum board false ceiling using 12.5 mm thick ceiling board (India Gypsum board or equivalent). All G.I. frameworks shall be of Armstrong or Saint Gobain brand. The G.I. ceiling cleat of size 22 x 37 mm and thickness 0.55 mm shall be fixed to the R.C.C. slab with the help of GI Das fasteners spaced at 1220 mm c/c both ways. The G.I. suspension member of size 25 x 10 mm & thickness 0.55 mm & of suitable length shall be fixed to the ceiling cleats with the help of nuts & bolts. The G.I. intermediate channel having web width of 45 mm, both flange widths of 15 mm & thickness of 0.90mm, spaced at 1220mm c/c, shall be fixed to the suspension members with nuts & bolts such that the fine level adjustment of ceiling is possible.</p> <p>The G.I. horizontal runner of knurled web size of 51mm, both flange sizes of 26 mm (each flange having lips 10.5 mm) shall be fixed to the intermediate channel with the help of 2.6 mm thick connecting clips at 460 mm c/c. G.I. perimeter channel, having one flange of 30 mm, other flange of 20 mm, web width of 27 mm & thickness of 0.55 mm, shall be fixed to the wall with the help of nylon sleeves and screws spaced at 610 mm c/c.</p> <p>The gypsum board shall be fixed to the horizontal runner with the help of screws of approved make at 230 mm c/c, the boards shall then be jointed and finished, so as to give flush look, using the approved jointing compound & jointing paper tape, & then finishing with two coats of approved top coat suitable for gypsum board.</p> <p>Also The rate shall include providing and fixing necessary additional members & finishing, as required for providing opening for light fixtures, A.C. grills, diffusers, vertical drops offsets etc. & nothing extra shall be paid for the same. The actual exposed surface area of the ceiling shall be measured for payment. All as per directions & instructions of Consultant.</p> <p>Note: Deductions shall be affected for a column and where openings.</p>	296	sft		

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
2	Armstrong grid ceiling (Acoustic mineral False ceiling) Gypsum false Ceiling at a height of 8'-9" from finished floor line. REF DWG: VASAI/RCP/4 Providing and fixing Acoustical ceiling tiles of Armstrong or approved equivalent make, Contrast square series, in true horizontal level suspended on inter locking Grid system using hot dipped galvanized steel section, entire surface prefinished in baked polyester paint, rotary stitched double web construction main tee of size 42X15mm. At every 600mm C/c maximum and double rotary stitched cross tee of size 42X15mm at every 600mm C/c. and wall angle of size 19X19mm fixed to the periphery of the wall. The tiles and grid system to be used as follows: Tile Size: 600mm X 600mm X 15mm Edge: Contrast square with micro look. Frame work and installation - silhouette section Frame work to consist of: Main runner spaced at 600mm center, fixed to the roof at every 1200mm c/c. In using 2.0mm thick pre-straightened GI wire. First and last hanger should not be at distance more than 450mm from the adjacent wall. 600mm X 600mm module to be formed by fixing 600mm cross tee between centers of Main Runner. Wall Angle to be secured to wall at 450mm centers. Installation to be done as per approved manufacturer's specification. Mode of Measurements: Measurements shall be wall to wall without any deductions for lights, diffusers etc. Job to be executed by Specialized Agency as specified in the Approved list of make. TOTAL (D)	335	sft		
E	PAINTING WORKS				
1	Internal paint Asian paints royals aspire of approved shade Preparing the surface and Providing and applying approved quality paint to give an even shade including preparation of surface applying one coat of primer and two coats or more of finishing as directed to walls and ceilings etc. complete. All as per instructions of Consultant.	1200	sft		
2	Plastic Paint (on Gyp Ceiling)	330	sft		
3	POLISH WORKS. Partition edges finished in wood to be polished with matt melamine polish of natural shade as approved by the architect.	40	rft		
	TOTAL OF PAINTING AND POLISH WORKS (E)				

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
F	CARPENTRY WORKS :REF DWG: VASAI/PP/2				
1	<p>Full height partition (Solid) – 2" thick Aluminum Tubular section frame work of 2' x 2' c/c or as suitable as per furniture layout covered with 12mm MDF sheet to receive 0.8mm tk approved laminate finish. All exposed edges of the partition shall be finished with ½" by 3" btc wooden strip on edge. The partition shall be built in the visible area only. Area of framework shall be accounted for in the cost. The aluminum members of partition shall rigidly fixed to the existing ceiling / floors / beams & side walls, whichever is applicable.</p> <p>The edges finished with wood shall have a 5mm groove between the gypsum and wood.</p> <p>Rate to include cost of framing above false ceiling and cost of making openings for switches, AC grills The rates quoted shall include providing openings for wiring and necessary is specified screws, adhesives etc. all as per drawings and instructions from Consultant / SHCIL.</p> <p>Rate to include a special arrangement for mounting the Rack with spacer of 6" on the solid partition area in the manager's cabin. At an appropriate height. (Ref. to the Partition Layout Plan)</p>	122	sft		
2	<p>Providing a full ht door 7' x 2'6"x 2" finished in laminate of the Approved shade on both sides with inspection window with 6 mm toughened glass with film, brass hinges, locks, Handles etc. for the pantry. REF DWG: VASAI/PP/2</p>	1	no		
3	<p>12 mm tk full ht partition with Toughened glass main door with provision for fixing sensor for hooter. REF DWG: VASAI/PP/2</p> <p>Providing & fixing 12mm thk PLAIN glass partition with door made out of 12mm thk toughened glass with frost film as per approved designs & style fixed with twin pro channel at the bottom and wooden frame at the top as required to be flushed with the internal ceiling. It shall be delivered complete along with brush finish stainless steel handles, pull & push plate, heavy duty approved make floor spring, top and bottom, bottom patch locks etc. complete as per detail drawing and instruction from Consultant / SHCIL.</p>	44	sft		
4	<p>12 mm thk glass Full Ht Partition incl. Toughened glass door for Branch Manager Cabin with 3M frost film for visual privacy as per the approved pattern. REF DWG: VASAI/PP/2</p> <p>providing & fixing 12mm thk PLAIN glass partition with door made out of 12mm thk toughened glass with frost film as per approved designs & style fixed with twin pro channel at the bottom and wooden frame at the top as required to be flushed with the internal ceiling. It shall be delivered complete along with brush finish stainless steel handles, pull & push plate, heavy duty approved make floor spring, top and bottom, bottom patch locks etc. complete as per detail drawing and instruction from Consultant / SHCIL.</p>	287	sft		

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
5	Removable condensate drain Pump cover along with supporting shelf/stand in 12 mm ply laminated on all visible sides to be fixed next to 1.5TR High wall unit IDU.	3	no		
6	Wooden paneling done on the wall to extend the surface to receive flex graphics. It shall be done finished in 12mm MDF to receive the graphics.(wherever necessary).	60	sft		
7	<p>Low height storage with Hinged doors. REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8</p> <p>Providing and fixing in position 405 mm deep storage units (900 or 750mm height) with 6mm backing ply. as Modular as indicated in drawings storage unit shall be made out of 19mm thick plywood for sides, top and bottom.</p> <p>Hinged Shutters shall be made out of 19mm thick ply wood finished with laminates as per profile externally and All shutter to be provided with cup hinges of approved make as per drawing. Externally & internally shutters to be finish with 1mm thick & 0.8 mm thick laminate respectively. All panel edges to be edge banded with 1 mm PVC matching edge bands.</p> <p>Rate quoted for the item shall include for cost of 19 mm thick plywood adjustable shelves 2each/ compartment with hardware such as ball catches, locks, handles etc. Item to be completed in all respects as per drawings, specifications & instructions from Consultant /SHCIL.</p> <p>Location:</p> <p>A. Behind Back office staff. 6'-0" wide x 3'-0" H x 16" deep.</p> <p>B Along the window wall. 20'-3" wide x 3'-0" H x 16" deep.</p> <p>C Behind the front counters along the wall, 12'-3" wide x 2'-6" H x 16" deep.</p>	18 60.75 30.63	Sft Sft Sft		

8	<p>O/H storage unit with Hinged shutters. REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8 Same as item of low storage units laminate finish but for overhead storage fixed on partitions/walls finished with 1 mm thick laminate on all external surfaces. It shall be fitted with soft close pumps. Bottom side to be fitted with LED strip lighting. Delivered complete with Hardware. All internal sides shall be finished with 0.8mm white laminate. Item to be completed in all respects as per drawings, specifications, and instructions from Consultant / SHCIL. All panel edges to be edge banded with 1 mm PVC matching edge bands. To be provide with one shelf all over laminated in 0.8 mm white laminate on all sides and edges. The underside of all the OH units provided with 4 "pelmet to receive strip LED lights as specified.</p> <p>Location:</p> <p>A. Behind Front Counters, 1'-3" depth x 2'-6"ht x 11'-0" length</p> <p>B. In front of Back Office staff workstations. 1'-3" depth x 2'-6"ht x 9'-2" length</p> <p>C. Above the Pantry Counter. 1'-3" depth x 2'-6"ht x11'-3" length</p>	27.5	Sft		
		23.00	Sft		
		28.25	Sft		
9	<p>Soft Board Panels under the overhead storage units. REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8 Providing and fixing in position soft board paneling on walls partition including fabric cover wooden beading finished with 3 coats of melamine polish of approved shade etc. complete as per Directions of Consultant / SHCIL.</p> <p>A. Behind Front Desk Counters. 1'-5" x 11'-0" in 3 pieces.</p> <p>B. Front of Back office Staff counter 1'-5" x 8'-6" in 3 pieces. (Basic cost of Fabric 150 Rs/mt)</p>	16.5	Sft		
		12.75	Sft		

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
10	<p>Manager Desk; REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8 Providing and fixing table units as per drawing & size. Dimensions out of a) Table 24" x 60" b) Side Storage 2'6" x 2'6" The worktop to be of 25mm thick made ply top finished with 1mm thick approved laminate and wooden edge as per profile shown on drawing. edge banding with 63 mm Dia. cutout fitted with plastic grommet for the wire management. It shall have a 18mm vertical side panels on both sides. It shall also have an 18" apron between two side panels 6" recessed inside from visitor side. Finished with 10 mms clear glass on top fitted with suitable hardware. Side unit shall be finished in laminate as and it shall be 2" lower than the main table. Its top shall be 25mm and shall have double door storage below. It shall have suitable wire management provision for computer monitors and CCTV monitor. And electrical boards. Above it shall be finished with a soft board of size 2'6" x 2' finished in an approved fabric of Rs. 400/m fabric. It shall be delivered complete with keyboard holder, wire manager gourmet, CPU trolley hung from the table and soft close hardware etc. A two drawer (1 file + 1 stationary) pedestal on castors in reqd finish. Pedestal box + side unit wherever provided as per size mentioned (refer drawing) to be made of 19mm thick plywood finished with 1mm thick approved laminate on top front and sides exposed to visitor and exposed to officer . Each pedestal box to have 1 tea tray, pencil tray, drawers and 1 filing drawer. The tea tray to have bottom mounted channel, pencil drawer/ tray to be 12mm thk marine ply for drawer sides, shutters & 6mm thk marine ply for drawer bottom, drawer box back side along with 2" X 2" TW supports, beading & 4" X 2" TW footrest & anodized Aluminum railing for holding files at upper level. Both the drawers to be provided with central locking. The entire shutter / drawer to have 0.8mm thk laminate finish internally as per profile. Back panel of the pedestal box should be of 6mm thick plywood. Inside of the box, wax polish in approved shade All edge as specified will be finished with 1mm tk matching PVC edge banding with smooth edges.. Item to be complete in all respects as per drawings & instructions from Consultant / SHCIL.</p>	1	no		

Front Desk Counters for 5 staff with Pedestals and corner table.

REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8

A. Providing and fixing table units as per drawing Dimensions of table:

4'-0" X 2'-0" X 2'-6" High.

Providing & Fixing Front Desk counters made of 19mm MR grade plywood finished with 1mm laminate of approved shade and white laminate from inside to be finished with 1mm thick PVC edging. Edge banding with 63 mm Dia. cutout fitted with plastic grommet for the wire management. The desk shall be delivered complete with apron and storage boxes with two drawers as shown in the drawings. Pedestal box + side unit wherever provided as per size mentioned (refer drawing) to be made of 19mm thick plywood finished with 1mm thick approved laminate on top front and sides exposed to visitor and exposed to officer. Each pedestal box (1tea tray+ 2 box + 1 file drawers) to have 1 tea tray, pencil tray inside One box drawer. The tea tray to have bottom mounted channel, pencil drawer/ tray to be 12mm thk marine ply for drawer sides, shutters & 6mm thk marine ply for drawer bottom, drawer box back side along with 2" X 2" TW supports, beading & 4" X 2" TW footrest & anodized Aluminum railing for holding files at upper level. All the drawers to be provided with central locking. The entire shutter / drawer to have 0.8mm thk laminate finish internally as per profile. Back panel of the pedestal box should be of 6mm thick plywood. Inside of the box, wax polish in approved shade All hardware shall be of a reputed brand and soft close in nature. All The table shall be delivered complete with wire manager, cpu trolley, keyboard drawers, etc. All the tables to be provided with built in cable runners thru and thru, mounted on back panels and can receive switch Boxes. (Ref item no. 20)

5

no

B. **Corner Piece** as per the layout dwg fitted with 9" glass screen fixed to the Top to protect the Network printer. With wire management thru and thru as a connector. Also with Switch box Mounting (Ref Item No. 20)

1

no

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
12	Back Office Staff work stations: for 3 people REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8 Providing and fixing table unit in 18 mms as per drawing & size. 9'-2" ave.length x 2'depth x 2'6"height, finished with 1 mm tk PVC edge banding with 63 mm Dia. cutout fitted with plastic grommet for the wire management. The top to be supported on One side on wall and the partition panel on the other with intermediate support taken from wall or addl side panels to be provided if necessary for Strength and rigidity.	1	no		
13	Boxing of Electric Junction Box and Dispenser cabinet. As per the dwg and layout. REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8 From Inside on the LHS of the main door around the column to be built in 18 mms ply with 1 mm laminate of approved shade and white laminate from inside to be finished with 1mm tk PVC edge bands. All shutters to have ventilation grill. Lower side provides an alcove to keep the water Dispenser.	8.75	sft		
14	Utilities Cabinets.(4'6"m x 8'-9" ht) as per the dwg and the layout. REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8 Providing and installing a cabinet to keep Inverter and Batteries as specified, made out of 18 mm tk ply and finished with 1 mm laminate of approved shade and white laminate from inside to be finished with 1mm tk PVC edge bands. All shutters to have ventilation grill. The lower portion up to 3 feet height to have trolley fabricated and powder coated using tubes of 1"x1"x 16 G to keep 6 nos of batteries so that it can be pulled out once the lower shutters on hinge are opened. The upper cabinet to have adjustable 2 nos of shelves to keep inverter and other equipment. As per the dwgs .Cost to include all hardware like heavy duty breakable castors, locks, grill, handles etc to complete.	39.375	sft		
15	Providing a pantry counter table in laminate with shelf storage below As per the dwg and layout Drawing. Approx. Length 12 feet. With Sink of 18x 16x8 inch. REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8	12	Rft		
16	Notice Board In Waiting Area. Providing and fixing in position Notice Board made out of 2 nd Class BTC framing 35 x 35mm and 12 mm soft board covered with fabric on 6mm marine ply BWP grade.	12	sft		

18	<p>catalogue Unit</p> <p>REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8</p> <p>Dimensions and details as per the dwg and installed in location as per the layout. Providing and fixing in position 300mm deep x app. 1950 mm wide x 1350mm height) with 6mm backing ply. As indicated in drawings storage unit shall be made out of 19mm thick plywood for sides, top and bottom.</p> <p>Bottom portion to have Hinged Shutters shall be made out of 19mm thick ply wood finished with laminates as per profile externally and All shutter to be provided with one shelf. Upper portion to have provision for catalog display and dispensing as per the dwg.</p> <p>Externally & internally shutters to be finish with 1mm thick & 0.8 mm thick laminate respectively. All panel edges to be edge banded with 1 mm PVC matching edge bands.</p> <p>Rate quoted for the item shall include for cost of 19 mm thick plywood shelves hardware such as locks, ball catches, locks, handles etc. Item to be completed in all respects as per drawings, specifications & instructions from Consultant /SHCIL.</p>	26.5	sft		
19	<p>Vertical Venetian Blind in Fabric suitable for 2 no's of windows of size 70" wide X 58" high. With removable Pelmet made from 18 mm ply finished with Laminate of approved shade. Color: Beige</p>	56.5	sft		
20.	<p>Switch Mounting Runners of cross section 2"x 4"ht running along the lower end of the soft board panels (Item No. 9) flush with the work stop or a lower level storage units so as to carry cable thru and mount switches on the same. Total length : 19'-6"</p> <p>REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8</p>	19'-6"	rft		
	TOTAL (F)				

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
	REF DWG:VASAI/FL/3,VASAI/SECBB/7 AND VASAI/SECAA/8				
1-A	Chair of an approved brand like Wipro or Godrej etc,				
B	High back Chair	1	No.		
C	Medium back Chair	5	No.		
D	Visitors Chairs.	11	Nos.		
E	Low back chair of out sourced staff.	3	Nos.		
G	Pantry seating stools with low back. Very small size seating.	3	Nos.		
	Lounge Sofa 16" ht . 24" deep and 4'4" wide, 5 seater + 1 corner as shown in the Layout attached. Its shall have 2"ht black plastic round legs. It shall be made of wood frame with 4" foam on top and 1.5" foam 40 Densities on all sides. No wood will be visible. Rate to include cost of fabric upholstery, fixing adjusting & placing in position, cleaning, packing, etc. complete. Basic rate of fabric =Rs.350 per rmt. For sofa and lounge chairs. (All contractors to submit samples & brochures for type of chairs they have quoted. Samples to be brought as & when required. The contractor shall use appropriate size of wood instead of mentioned size to achieve desire shape and comfort as shown The contractor shall show one sample of each of the sofa / chair design and get it approved from consultant before executing the entire work. All as per instructions of Consultant	1	No.		
2.	TV suspender rod clamp for mounting TV from Ceiling. In 2" thick MS tube with clamp mounted as per TV mfr specification. Installation and complete in all respect. Provision for Neat Wire management.	1	No.		
G	TOTAL FOR SOFAS & CHAIRS				

PROPOSED INTERIORS OF BRANCH PREMISES FOR SHCIL AT VASAI
SCHEDULE OF QUANTITIES - ELECTRICAL WORKS
(CARPET AREA - 600 SFT.Approx.)

Sr.No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
	SECTION II - ELECTRICAL WORKS; REF DWG: VASAI/FL/3, VASAI/RCP/4, VASAI/ELE/5 AND VASAI/HVAC/6				
A.	<u>M.V. SWITCHGEAR - POWER PANELS & D.B</u>				
1	<u>DISTRIBUTION BOARDS</u>				
	Supply, installation, repositioning, testing & commissioning of 230V Distribution Boards as specified & shown on drawing with				
	i) Copper bus bars together with tapped neutral bar for Individual phases. ii) Copper earth strip with tapping. iii) Bus bar mounting MCB's individually lockable in off position. iv) Interconnections and earthing. v) Sheet steel enclosure suitable for recessed or surface mounting with hinged lockable doors interlocked with the incomer switch. vi) Phase to phase barriers in case of 3Ph boards. vii) Necessary support frame & painting, labelling etc. complete.				
	Lighting & Power Distribution Boards as specified Below :				
	Lighting & Power Distribution Boards as specified the and mentioned below complete with Specified Sizes of the Incomer, Outgoings etc.				
i)	16 WAY SPN DB Board (LIGHTING & POWER DB) :				
	i) 25Amp DP RCBO				
	Outgoings :				
	ii) 12# 6 / 10 / 16 Amp SP MCB (C Type)				
	i) 40Amp DP RCBO				
	Outgoings :				
	ii) 4# 6 / 10 / 16 Amp SP MCB (C Type)				
ii)	06 WAY SPN DB Board (AIRCONDITIONING DB) :				
	i) 25Amp DP RCBO				
	Outgoings :				
	ii) 4# 6 / 10 / 32 Amp SP MCB (C Type)				

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
B.	ELECTRICAL WIRING				
	Supply and installation of Conduit wiring for lights, socket outlets as per number of points including:				
	a) Conduit fittings such as bends, elbows, reducers, chase nipples, split couplings, plugs etc. shall be heavy duty specifically designed and manufactured for their particular application.				
	c) Suitable galvanized pull wires of not less than 0.63 mm dia shall be drawn in all conduits before they are embedded.				
	d) Inspection boxes shall be provided for periodical inspection to facilitate withdrawal and removal of wires. Such inspection boxes shall be flush with the wall or ceiling in the case of concealed conduits.				
	e) Flexible cords for connection to appliances, fans and pendants shall be 660/1100V grade (three or four cores i.e. with insulated neutral wire of same size) with tinned stranded copper wires, insulated, twisted and sheathed with strengthening cord.				
	f) Wiring in 25 mm Dia HMS PVC conduit using multiple circuits as per specification/standard.				
	g) 1100V grade PVC insulated Cu multi-stranded FRLS wires. SAFELEX OR POLYCAB EQUIVALENT				
	h) Insulated or bare protective earth				
	i) Cost for switch and Switch plate to be included GM brand white color				
	j) Earthing of metal fittings.				
	k) cost of switches to be included as GM white switches as shown in the electrical drawing				
	Supply, Installation, testing & Commissioning of below specified 1.6 mm thick GI back-boxes along with the necessary blank plates, Face-Plates etc. as required complete with earthing, interconnections etc. Cost includes chasing the walls to conceal pipes and boxes and finishing the same with plaster as required				
1	Light points	22	nos		
2	Parallel light points	25	nos		
3	6amp plug point with switch	27	nos		
4	15amp plug points with switches for 4 nos ACs+ water purifier + water dispenser	6	nos		
5	Wiring for data points inside already laid embedded hard PVC conduit in up to socket out let using cat6 cable comprising of 4 pair x 0.50 mm. Tinned copper conductor with necessary accessories viz. deep junction boxes, inspection boxes bends, termination etc. making complete piping rigid by adhesive/ resin and fixed with binding wire 'U' nails, all duly concealed in ceiling, RCC slab, beam while casting and in walls by making chases; finished with cement mortar to match background complete.				

Sr.No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
	Modular plug in type telephone and data sockets, plates & accessories cost shall be included in the item above.				
i)	Single outlet face plate with RJ-11 jack (Telephone)	8	nos		
ii)	4 core face plate with RJ-45 jack (Data)	11	nos		
D.	LIGHTING FIXTURES & FITTING				
1)	Installing\Providing, installation, testing & commissioning of light Fixtures complete with: a) All fixing accessories & mounting bracket. b) Earthing of fittings. c) Connections from the ceiling rose or junction box to the light fixtures including the terminations with all necessary accessories.				
i)	1X15W Ceiling Mounted Square LED Light Fixture Phillips brand	12	nos		
ii)	1x3W Ceiling Mounted Circular Light Fixture	1	nos		
iii)	2'x2' Armstrong ceiling mounted Philips LED Flat Panel 36W	9	nos		
iv)	Concealed strip light with high power led strip fitted in overhead unit and ply paneling in two locations	19	rft		
v)	2' dia. fan of Crompton high speed aluminum blade white	1	nos		
vi)	Exhaust fan 9" with insect protection	1	nos		
	Total of 'Section A'				

Sr.No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
E.	ANALOGUE TYPE CCTV				
1)	Supply, Installation & testing of Dome Type CCTV with all required associated accessories to complete the installation. (2.8mm lens)	6	no		
3)	Supply of Special Cable with the combination of Signal Cable & Power Cable in common shielding with necessary core separation. (PoE type)				
F.	Burglar Alarm				
	Supply, Installation of burglar alarm with panic switch connect with sensors				
G.	10KVA PURE SINEWAVE UPS INVERTOR MAKE LUMINOUS				
	150AH X 5NOS INVERTER BATTERIES FOR 1 HR SUPPORT FOR ALL THE EQUIPMENTS MAKE AMRON				
	Total of 'Section B'				
	Total of 'Section II'				

PROPOSED INTERIORS OF BRANCH PREMISES FOR SHCIL AT VASAI
SCHEDULE OF QUANTITIES - HVAC WORKS
(CARPET AREA - 600 SFT.Approx.)

		Make: LG			
Item	Description	Total		Cost in INR	
No.	REF DWG; VASAI/HVAC/6,VASAI/FL/3, VASAI/SEC BB/7 AND VASAI/SEC AA/8	Unit	Qty.	Rate	Total Amount
SECTION III - HVAC WORKS _EQUIPMENT_ HI WALL (R410A)					
	Supplying, Installation Testing commissioning of 4 nos LG Hi wall type air conditioning units with Air cooled condenser complete with indoor & outdoor units. The unit shall consist of microprocessor based control panel with necessary safety devices & accessories. Copper Evaporator, Copper condenser coil, axial flow fan(s), hermetically sealed rotary/scroll compressor(s), bird screen refrigerant piping, valves & piping insulation shall be part of unit. The cost shall include refrigerant piping set from ODU to IDU For 2 Acs and for 2 Acs up to existing refrigerant piping already provided. All Ac to be 5 star with inverter technology. all Ac to be provided with proper condensate drain using 25mm dia. CPVC pipe of prime or supreme make. One AC condensate to be discharged in Toilet whereas remaining 3 to be fitted with Mini drain pump of adequate capacity and connected to the existing drain piping above the ceiling without any leakage and serviceability at a later date if necessary. Also Providing, Installing & Communication approved make 4 Core X 2.5 Sq.mm. Cable between Outdoor Unit & Indoor Unit, O.D.U. to I.D.U				
	Unit capacities shall be as follows:				
1	1.0 TR Hi wall Unit	1			
	To be installed on partition in ASM cabin with necessary piping work. The cost shall include the cost copper, drainage and electrical wiring. A circuit shall be provided in the outdoors for the air conditioner. It shall be an all-inclusive cost. Of supply and installation until fit out is handed over. Insulated (Nitrile Rubber-Armaflex) Refrigerant copper piping for the above units irrespective of no. of circuits.				
2	1.5. TR Hi wall Unit	3	no		
	To be installed on paneling built along the wall with necessary piping work. The cost shall include the cost copper, drainage and electrical wiring. A circuit shall be provided in the outdoors for the air conditioner. It shall be an all-inclusive cost. Of supply and installation until fit out is handed over.				
	Insulated (Nitrile Rubber-Armaflex) Condensate drain piping for Above.				
3	Condensate Mini Drain Pump.	3	no		
4	Power Cabling with Plug near Indoor Unit	4	no		

	Floor/wall Mounted/Cantilever M.S. Stand for outdoor unit. Sufficient space to be maintained for future access near ground, first and second floor ODU machines.	4	no		
	Total of `Section III'				

Supply, Installation, Testing & Commissioning of High Wall Split Units

Complete with following Specifications/ Components

Indoor Powder coated evaporating unit comprising of DX cooling coils, Blower with Electric Motor insulated sandwiched Drain Tray Junction Box for Electrical connections 20 micron HDPE washable Fitters etc., with IR Remote Control Unit
Outdoor powder coated Condensing Unit Comprising of Tube and Finned Type
Condenser Coil **Scroll / Eco-Friendly Refrigerant / Rotary Compressor**, Expansion device Propeller / Axial Fans, Interconnected refrigerant piping with insulation etc.
First charge of refrigerant Gas and Oil.

Interconnected refrigerant piping of copper duly insulated with EXPANDED POLYTHENE SECTIONS, in open or concealed through the wall/ partitions or ceiling as per the requirement and instructions of Architect.

Interconnected Electrical Power & Control wiring of Copper ISI as required from indoor and outdoor units. A PVC conduit is recommended, if a flexible wire used. Earthing of the complete system with 8 swg. GI Wire.

Suitably rated electrical power socket will be provided near **Indoor Unit** of High Wall Unit by Electrical Contractor whereas a single phase power ARM cable is provided inside Outdoor Unit of Cassette Unit.

All outdoor units shall be mounted on MS angle frame structure duly black/ White painted with synthetic epoxy paint. The frame structure shall be mounted on MS plate and serrated rubber pads, (MS Stand). Complete clamping and saddling of cabling work and refrigerant piping covered with insulation. PVC drain piping of 6 Kg/Cm.Sq. rating with expanded polyethylene section/ strips insulation.
The Indoor A.C Unit should have two digit 7-Seg. LED/LCD display set temperature

PROPOSED INTERIORS OF BRANCH PREMISES FOR SHCIL AT VASAI
SCHEDULE OF QUANTITIES - NETWORKING WORKS
(CARPET AREA - 600 SFT.Approx.)

Sr. No	Item of Work in Brief	Qty	Unit	Rate	Amount (Rs)
SECTION IV - NETWORKING WORKS: REF DWG: VASAI/FL/3, VASAI/RCP/4 AND VASAI/ELE/5					
1	Cat 6 cable (as branch requirement) AMP brand	600	m		
2	Cat 6 I/O- (per user 2 I/Os, Active + Redundant) AMP brand	27	no		
3	I/O box (with Four port) Face Plate AMP brand	15	no		
4	Patch Cord (2 meter)-as per branch requirement AMP brand	15	no		
5	24 port loaded patch panel AMP brand 1	1	no		
6	U 15 Rack with Accessories, Fully Loaded (exhaust fan, PDU 6 point-5 amp, 2 no's of shelves, 2 cable managers, perforated door and hardware)	1	no		
7	20 pair riser cable (WAN Connectivity)	100	m		
8	Krone box (20 pair) and krone, with lock and key.	2	no		
9	UTP Cable scanning post implementation with Level III tester.(for write up, refer to the Cable Testing Requirements mentioned below)	1	ls		
Total of 'Section IV'					

Cable Testing Requirements

The Cabling Contractor is to use a Level III tester that is capable of testing the specified cable to the performance level(s) indicated in this document. The tester is to use the latest version of firmware and software to test the UTP cabling system. Acceptable portable UTP test manufacturers include: HP/Agilent Wirescope 350, Micro test OMNI Scanner and Fluke DSP-4000.

The nominal velocity of propagation (NVP) must be set specific to each cable manufacturer before testing. Portable tester to be calibrated on a minimum annual basis. Testing of horizontal cables is to be completed in accordance with the following test criteria. The testing must be completed on the Channel Level. Testing is to be completed from both ends of the installed cable.

Testing of the cabling must conform to the following Standards:

- i. To Category 6 standards latest draft
- ii. Testing of all 4 pairs of the horizontal cable (as specified in this document) is to include but not be limited to the following:

- Wire Map including; end to end continuity, open and shorts, pair polarity
- Cable length
- Attenuation
- NEXT/FEXT
- ACR
- Return Loss
- ELFEXT, PSELFEXT
- Propagation Delay, Delay skew
- PSNEXT, PSACR.

These tests are to be completed after cable installation.

Tabulate and include test results with test documentation.

Cabling Contractor to produce a test report based on the cable schedules. The report should indicate for each cable, when it was tested successfully and the signature of the technician that performed the test, location, cable type, cable number and tester make and model. A copy of the test report must be submitted to the Consultants for approval.

The entire report must be signed by an authorized person for the Cabling Contractor at the end of the project.

Correct all cable faults. Splicing of any cables will not be permitted, for any reason, unless prior authorization is received in writing from the Consultant.

DOCUMENTATION

Cable Test Results

The Cabling Contractor shall produce a test report based on the cable schedules. The report should indicate for each cable, when it was tested successfully and the signature of the technician that performed the test. An authorized person for the Cabling Contractor must sign the entire report. The Cabling Contractor will forward 2 hard copies in separate white 3 D-ring binders to Stockholding office within 5 business days of the completion of the project. The Cabling Contractor is also required to supply 2 soft copies on compact disk in Access, Paradox or any other ODBC compatible Database format.

Testing and commissioning

Provide testing and commissioning documentation for all items and their related components to the Architect/Stockholding Official prior to the completion of the project or at the Architect/Stockholding Official's request. Include maintenance manuals, operating instructions for Stockholding staffs' use.

Telecommunication rack:

A VISIO drawing must be completed with the following information:

- i. Telecommunication rack and UTP and Riser cable layout.
- ii. Patch panels and numbering
- iii. Manuals of all equipment installed

PROPOSED INTERIORS OF BRANCH PREMISES FOR SHCIL AT VASAI
SCHEDULE OF QUANTITIES - ELECTRONICS
(CARPET AREA - 600 SFT.Approx.)

Item	Description		Total	Cost in INR	
No.	REF DWG: VASAI/FL/3, VASAI/ELE/5 & VASAI/SEC BB/7	Unit	Qty.	Rate	Total Amount
1	Samsung 123cm (49 inch) Full HD LED TV (49N5300)Black	nos	1		
2	Dish TV SD+ Connection - ALL India Pack 1 Month Super Family Pack	set	1		
3	Voltas Water Dispenser Floor Model With Cooling Cabinet	nos	1		
4	Godrej Mechanical Fire Resistant Safe - Safire 40 L 2KL	nos	1		
5	CEASEFIRE ABC POWDER MAP90 FIRE EXTINGUISHER (4KG)	nos	3		
6	Kent Ultra wall mountable UV water Purifier with installation in Pantry Capacity 60lit./hr	nos	1		
7	Ceasefire clean agent (HCFC 123) Based fire Extinguisher- 500 gms.		1		
Total of 'Section V'					