

**CIVIL AND ELECTRICAL WORK FOR FSSAI REGIONAL OFFICE at 5th Floor, WEBEL-STP II, DN-53, SALT LAKE, SECTOR-V, KOLKATA-91**

SL	ITEM	AREA	UNIT
<b>A FLOORING AND TILES WORK</b>			
1	<b>TILE CLADDING/DADO:</b> Providing and laying in position as per approved sample porcelain /ceramic /vitreous tiles (without warpage of approved make, shade, shape and colour) on walls laid on 12 mm thick cement mortar 1:3 ( 1 cement : 3 course sand ) the rate shall be inclusive of necessary preparation, 2mm spacer groove matching with floor tiles , cleaning, grouting open joints with epoxy grouts etc. complete as per approved design and drawing	66.0	smt
2	Providing and laying <b>broadloom carpet tiles</b> of 22 oz., 100% eco solution premium branded nylon & solution dyed, all complete of approved shade, pattern and brand in Conference room and Executive chambers	150.0	smt
3	Patch repairing of existing flooring for making electrical raceway by removing existing tiles and replacing with new tiles up to 300 mm depth	300.0	Rmt
<b>B CIVIL AND PLUMBING</b>			
<b>1 Toilet Fittings</b>			
i	WC with conceal cistern	3.0	nos
ii	Counter top Wash basin	3.0	nos
<b>2 Providing and fixing CP fittings as per approved make as below</b>			
i	Pillar cock	3.0	nos
ii	2 way Bib cock	2.0	nos
iii	Health faucet	2.0	nos
iv	Toilet paper holder	2.0	nos
v	Towel ring	2.0	nos
vi	Soap dispenser	3.0	nos
vii	SS sink with long body bib cock	1.0	nos
3	Plumbing work for Toilet and Pantry including necessary UPVC pipe line as per site requirement including necessary fixture and fittings. New plumbing line to connect with existing Plumbing line with necessary fittings and fixtures	1.0	LS
4	Making and fixing in position 600mm deep Granite finish counter top over 19mm marine ply counter top 25mm dia black powder coated pipe support . (elevation to be measure). including 50mm front fascia and 100 mm back splash in granite finish . rate including 600mm high base cabinet in laminate finish with laminate shutter/ all hardwares as per detail	10.0	smt
5	Providing and laying half brick partition wall with well burnt good quality of first class designation 75 in cement mortar 1:4 (1cement: 4 coarse sand) including providing 2 Nos of 6mm dia MS round bars at every 4th course, including scaffolding, curing, rubbing the surface, racking out joints etc. complete as specified for walls, at all floor and levels. Complete in all respects as per detail drawings and Project Manager's Instructions.	45.0	smt
6	<b>Plastering</b> : Providing and laying 12-15mm thick plaster in cement mortar 1:4 (1 cement : 4coarse sand) at all levels in line, level and plumb including smooth cement finish or roughening of surface to hold tiles and providing necessary grooves at junctions of walls and ceiling, door/window frames including racking the joints, roughening the RCC surface, necessary curing, scaffolding etc. complete as directed. Rate shall include for the cost of providing and fixing galvanized chicken mesh (24 gauge, 12mm size) at junction of brick masonry and concrete members to be plastered or clapped or other locations as called for, properly stretched and nailed ensuring equal thickness of plaster on both sides of mesh. Provision for chemical bonding with a layer of Plaster Master from Roff for RCC surfaces and use of Recron fibers to avoid superficial cracks. No extra payment shall be made for p/f chicken mesh, Plaster Master and Recron.	60.0	smt
7	<b>WATER PROOFING</b> - Providing and applying water proofing treatment to toilets floor and walls with four coats of Tapecrete or approved equivalent mixed with white cement in proportion 1:2 (1tapecrete: 2 white cement) including mixing silica sand in second coat in proportion 1:2:1.5(1 tapecrete :2 white cement: 1.5 silica sand) and sealing all junction corners and concrete after first coat with epoxy putty including cleaning and preparation of the substrate with a protection plaster 12mm Thick 1: 6 ( 1cement 6 75 % coarse sand and 25% fine sand) Complete as per manufacturers recommendations, as per approved specifications of specialist agency and to the satisfaction of the Engineer/ Architect.	43.0	smt
<b>C PARTITION AND PANELING WORK</b>			
1	Providing and fixing partition framework with Aluminum tube of 50x25x2 mm rectangular hollow section of 2mm thickness	425.0	smt
2	Providing and fixing 9mm ply on both side of Aluminium frame	850.0	smt
3	Providing and fixing veneer on partition ply	67.0	smt
4	Providing and fixing Laminate on Partition ply	580.0	smt
5	Insulation with glaswool / rockwool of 50mm thick	425.0	smt
6	Providing and fixing toughened glass partition of approved brand and manufacture, including providing and fixing with Aluminum proprietary channel as per approved design	135.0	smt
7	Providing & fixing 50mm high aluminum skirting fixed over 12mm ply with suitable tuck for carpet / tile below , complete as per detail drawings	120.0	rmt
8	Providing and fixing Laminate paneling of approved laminate 1mm thk fixed on 12mm thick Ply-board base as required with suitable adhesive & ensuring no air bubbles, whether pasting on flat or curved surfaces laminated with all due care for fine finishing in desired areas.	160.0	smt
9	Providing and fixing Reception back drop with Company Logo as per approved design	1.0	no
10	Providing and fixing minimum 6.00mm thick polished Glass Mirror, of required size of approved make fixed to wall with 6 mm. thick marine plywood sheet backing with necessary beading, fixing arrangement all complete at all lead and lifts as per drawings	3.0	smt
<b>D DOORS</b>			
1	Providing, making & fixing of 32mm thick single leaf Laminated Flush door fixed with 3nos hinges & fixing lugs including 3 hinges per leaf per door, door closer/door stop on door completed as per design & details provided by Architect. The door shall have 500x225mm powder coated louvers to match door frame. Rate is inclusive of all necessary hardware (i.e. lock, handle on both sides, hinges, latch or tower bolt, door stopper, PVC buffer etc.), fixtures, laminate finish etc.	3.0	nos
2	Providing, making & fixing of 32mm thick single leaf Laminated Flush door with 200x600mm vision panel made from 6mm clear glass, fixed on wooden frame with 3nos hinges & fixing lugs including 3 hinges per leaf per door, door closer/door stop on door completed as per design & details provided by Architect. Rate is inclusive of all necessary hardware (i.e. lock, handle on both sides, hinges, latch or tower bolt, door stopper, PVC buffer etc.), fixtures, laminate finish	5.0	nos
3	<b>DOOR FRAME</b> -Providing and Fixing wood work in frames of doors size of 70x50mm, as per drawings d, fixed in position including applying black Japan paint / wood preservation to unexposed surfaces, necessary hold fasts / fasteners to anchor the frame and moldings of approved design on either side of the frame. Hard wood Rough ground shall be provided as directed. The frames shall be finished with 2 or more coats of polish open grain polish & stain of approved shade and color applied evenly including preparation of surface with approved primer and undercoat.	9.0	nos
4	Providing and fixing stile glass door shutter of approved brand and manufacture, fixed with door closure , handle, lock all complete	23.0	nos
5	Providing and fixing Proprietary aluminum door frame for glass door	23.0	nos
6	Repairing of existing window	1.0	LS
<b>E FALSE CEILING</b>			

1	M.F. suspended ceiling made with 12.5 mm thick Gypsum plaster board including G.I. perimeter channel of 0.55 mm flush (having two flanges 20 mm and 30 mm respectively and web 27 mm ) along with perimeter of ceiling with G.I. intermediate channel of 0.9 mm thick size 45 mmx15mm placed at 750 mm c/c with G.I. ceiling angle of size 25 mmx10mmx0.55 mm thick fixed to the ceiling with G.I. Cleat and steel expansion fastener ceiling section 0.55 mm thick of size 51.50 mmx26mm fixed to the intermediate channels with the help of connecting clip and in the direction of perpendicular to the intermediate channel of 300 mm c/c 12.5 mm thick Gypsum plastered board are to be fixed under ceiling section as above by machine screws. The boards are to be joined and finished with jointing compound, paper tape and application of top coat etc. as per the direction of Engineer-in-charge. (The rate includes of cost of all materials including taxes, cost of accessories, fittings and fixtures, scaffolding and labour charges etc. complete) In ground floor	325.0	smt
2	Providing & Fixing of Mineral Fibre Acoustical Suspended Ceiling System with TILES using SILHOUETTE EXPOSED GRID. The tiles should have Humidity Resistance (RH) of 95%, NRC Upto 0.7, Light Reflectance >85%, Thermal Conductivity k = 0.052- 0.057 w/m K, Colour White, Fire Performance Class O/ Class 1 (BS476 Part 6&7) in module size of 600 X 600 X 20 mm with Bio Block coating on the face of the tile, suitable for Green Building application, with Recycled content of 63%. The tile shall be laid on Silhouette profile grid system with 15mm white flanges incorporating a 6mm central reveal in white/black colour and with a web height of 45mm and a load carrying capacity of minimum 15.68 Kgs/M2. Silhouette, Main Runners & Cross Tees to have mitred ends & "birds mouth" notches to provide mitred cruciform junctions. The T Sections have a Galvanizing of 120 grams per M2 & passed through 500 hrs of Salt test. . INSTALLATION: To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using specific manufacturers suspension system (specifications below) at 1200mm maximum center & not more than 150mm from spliced joints. The First/Last Armstrong suspension system at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mm long cross tees to be interlocked between main runners at 600mm center to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600 x 600mm modules to be formed by fitting 600mm long cross tees centrally between the 1200 mm cross tees. The 1200mm cross tees to have central "birds mouth" notches to facilitate fitting of	615.0	smt
<b>F FURNITURE</b>			
<b>MODULAR FURNITURE (LAMINATE FINISH)</b>			
1	Director and Joint Director's table of side 2600X900X750 mm with side and back unit Size for Front Desk 2600mm (L) X 900mm (D)x 750mm (Ht)	2.0	nos
	Side storage Unit of size 1200 mm x 450 mm x 750 mm(Ht) with 1 no 3 Drawer Pedestal unit of Size 450mm X 515mm X 725mm (Ht), The table top and Side Unit Top will be made of 25mm thick board as per approved make finished with veneer and polish. All exposed edge duly sealed with 2mm thick PVC edge beading . The back side of table top and Side Unit Top will be pasted with 0.8 mm thick balancing laminate. The side panel and modesty panel will be made of 25 mm and 18mmthick CNC processed straight/ curved profile. All exposed edges shall be lipped with minimum 1mm thick PVC		
2	Deputy Director's and manager's table of size 2100X750X750 with side and back unit Size for Front Desk 2100mm (L) X 900mm (D)x 750mm (Ht)	3.0	nos
	Side storage Unit of size 1050 mm x 450 mm x 750 mm(Ht) with 1 no 3 Drawer Pedestal unit of Size 450mm X 515mm X 725mm (Ht), The table top and Side Unit Top will be made of 25mm thick board as per approved make finished with veneer and polish. All exposed edge duly sealed with 2mm thick PVC edge beading . The back side of table top and Side Unit Top will be pasted with 0.8 mm thick balancing laminate. The side panel and modesty panel will be made of 25 mm and 18mmthick CNC processed straight/ curved profile. All exposed edges shall be lipped with minimum 1mm thick PVC		
3	Cubicle table with side unit and modular partition Providing, fabricating & placing in workstation of worktop of size 1500X600X750mm made with 25mm thick prelaminated particle board of approved make The side edges of worktop shall lip with minimum 2.0 mm thick PVC edge banding. The side panels of the desk will be of CNC Processed 25mm/18mm thick made pre laminated particle board. The edges of the panels shall be lipped with minimum 2.0 mm thick PVC edge banding. Tile based side Partition shall be 45 to 50 mm. Aluminum frame of height 1200 mm for Work Station with aluminum straight and universal post with PVC caps. Top tiles finish combination for Marker board, fabric and PLPB and Bottom tiles, prelaminated tiles. All tiles will be snap fitted. Snap fitted metal Raceway at the skirting for n/w facia and on above /below the table	25.0	nos
4	Cubicle table same as above of size 1500X600X750mm with side unit for PA (without partition)	1.0	no
5	4500X1350X750mm size 16 seater conference table The table is to be supplied in completely knock down conditions for assembly at site. The construction of the main table shall be free standing structure constructed with the help of minifix dowels and pins. The table should be made up of 30 mm Pre laminated particleboard conforming to IS: 12823:1990of desired shade as per engineer in charge & back side of the top pasted with balancing laminate. Table should have matching edge band. The table connections have to be made in such a way that no gaps should be seen in between the tables. The main table shall be supported on 2 nos. gable ends and a modesty panel. The gable ends shall be constructed out of 25 mm thick pre-laminated particle board finish as per approved shade. Modesty panel shall be made up of 18mm thick pre-laminated particle board finish. The provision of Wire carrier/ pop up box for electrical connection shall be as per manufacturer specifications	1.0	no
6	1500 X 600 X 750 workstation table with pedestal and privacy panel Providing, fabricating & placing in workstation of worktop of size 1500X600X750mm made with 25mm thick prelaminated particle board of approved make with Metal structure below. Table to have privacy panel of colour glass as per approved colour	8.0	nos
7	providing and fixing different ht storage finished with laminate. Storage to be made up of 18mm thick pre-laminated Particle board of approved make having 2 mm thick PVC edge band. The back Panel shall be made out of 9mm thick pre-laminated particle board. Shelf height to be maintained as per approved design	3.5	smt
8	900 dia 4 seater meeting table Table to have Metal leg with 12 mm toughen glass top as per approved design	1.0	no
9	900 mm dia 4 seater cafeteria table Table top to be made with 25mm thick prelaminated particle board of approved make with Metal Leg below.	4.0	nos
<b>NON MODULAR FURNITURE (LAMINATE FINISH)</b>			
1	Reception table of size 2100X600X1050mm made with Ply / Back Board finished with marble / solid surface as per approved design . The table top, two sides and front fascia will be finished with decorative Italian marble and/or Solid Surface and the apron ledge on top upto 1050 mm will be with solid surface . all the inside portion will be finished with laminate . Necessary pedestal drawer unit will be provided externally finished with 1mm laminate and internally with 0.8mm balancing laminate over the structure , inclusive of all hardware , hinges all complete with material and labour .	1.0	no
2	Pantry overhead storage made with Ply / Block board and finished with 1.0 mm laminate from outside and 0.8 mm balancing laminate from inside. Edges to be finished with lipping with polish finish. Inside Shelves to be fixed as per approved design. Shutter to be fixed with Auto hinge and finished with necessary handle lock all complete	3.5	smt
3	Pantry running table Table to have Metal leg made with 40x40mm MS tube duly finished with powder coating as per approved colour as under structure and top to be finished with 19mm block board / Ply finished with laminate on top and bottom	2.0	rmt
4	Corner table	3.0	nos
<b>F CHAIR &amp; SOFAS</b>			
1	High back chair for Directors	4.0	nos
2	High back chair for Asst Directors and Manager	5.0	nos
3	Visitor for chambers and Meeting room chair for Conference	41.0	nos
4	Workstation chair	39.0	nos
5	Training chair	48.0	nos
6	Cafeteria chair	16.0	nos
7	Cafeteria Stool	11.0	nos
8	Single seater sofa	13.0	nos
9	2 seater sofa	2.0	nos
<b>G WALL FINISHES</b>			

1	Providing and applying <b>white cement based putty</b> of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to <b>prepare the surface even and smooth complete.</b>	675.0	smt
2	Wall painting with premium <b>acrylic emulsion paint of interior grade</b> , having VOC (Volatile Organic Compound) content less than 50 grams/ liter. of approved <b>brand and manufacture, including 2 coats of Primer and 2 coat paint as per approved shade and colour.</b>	1310.0	smt
3	Providing and pasting frosted type PVC <b>glass film</b> over glass shutter and partitions of approved brand. The film shall have inscribed or CNC cut customized <b>company's branding theme and logo as directed by the Engineer in charge</b>	76.0	smt
4	Wall Paper : Provide & install of wallcovering PVC coated with woven cotton or woven polyester backing with a grammage of 350 to 450 Gms/Sqm. The substratum/base shall be flat, POP/Gypboard surface. Pre-treat the substrate with primer with a block brush or Spray and allow it to dry for minimum 8 hours the substrate base moisture level should not exceed 6% of the building moisture limit (to be verified with hygrometer), the temperature of the underlying surface must be at least 10 degree. The wallcovering shall be devoid of toxic metals and shall incorporate fire retardant and antimicrobial property. Wallcovering to be applied to this base with fixing adhesive containing fungicides with on rubbery odor and nonflammable properly (no solvents) as per architect's selection of make command/vescom/harlraqim. provide for 10mm x 10mm grooves as required finished in veneer as specified by architect . The quoted rate should included the base preparation as required.	114.0	smt
5	Applying Matt Melamine polish over Veneer surface on partition	70.0	smt
6	Scotch print Controltac & Comply Wall graphics:- Providing & Fixing Digitally reproduced Scotchprint decorative graphics on wall as per approved	42.0	smt
7	Providing and fixing black out-roller blind curtain of approved fabric, design and make, all complete with roller, chord, string, clutch and other accessories as required. <b>Curtain shall be of 100% polyester having minimum thickness of 0.5 mm.</b>	190.0	smt
8	Providing and fixing Wall paintings duly framed as per approved design	20.0	nos
9	Providing and fixing different size planter as per approved design	30.0	nos
10	Providing and fixing Planter box as per designed size made with block board / ply and finished with veneer	15.0	rmt
11	Landsaping in Open terrace area as per approved design	1.0	job
<b>H ELECTRICAL</b>			
1	Electrical work for the entire office comprising of Distribution Boards, necessary MCB and MCCB/ELCB etc , switches and socket , Circuit and point wiring , LED light fittings	900.0	smt
<b>I NETWORKING</b>			
1	network wiring with cat 6 cable for data and voice including necessary conduit with IO socket and face plate <b>Components like Server Rack, Switch, Patch Panel, Patch chord etc not included in scope of work</b>	900.0	smt
	<b>Fire detection system including Fire panel, Smoke Detector, Heta detector, MCP, Hooter with necessary wiring alla complete</b>	900.0	smt
<b>K</b>			
	Necessary repairing of existing HVAC ducting as per site requirement including the following items	900.0	smt
	GI ducting with flanges of 22G and 24G as per approved design		
	Acoustic Insulation with 10 mm open cell		
	Thermal Insulation with 13 mm closed cell nitrile rubber		
	Powder coated aluminium diffuser / Grill for Supply and Return Air		
	Duct Damper		
	Canvas Connection		