

**NAME OF WORK:** Providing Barrier Free Environment under Accessible India campaign for persons with Disabilities and Elderly persons in various buildings in Presidency College, Chennai.5

SCHEDULE A							
EMD: Rs. 227500/-				Date: 13.05.2022			
Sl. No	Qty	Description of Work	TN BP NO.	NBC NO.	Rate in figure and Words	Unit	Amount
		<b>CIVIL WORK</b>					
1	105.50 M <sup>2</sup> (One hundred and five point five zero square metres)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls Brick masonry in Cement mortar walls under 3m height				1 M <sup>2</sup> (One square metre)	
2	1271 M <sup>2</sup> (One thousand two hundred and seventy one square metres)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of Floor finish and dadoing walls in cement mortar with mosaic tiles / glazed tiles / Cuddapah slabs etc.complete and as directed by the departmental officers.				1 M <sup>2</sup> (One square metre)	
3	1468 M <sup>3</sup> (One thousand four hundred and sixty eight cubic metres)	Earthwork <b>Open excavation</b> in all soils and sub soils to full depth as may be directed except in hard rock requiring blasting inclusive of shoring shuttering, baling out water wherever necessary refilling the foundation with excavated earth other than sandy soil in layers of not more than 15 cm thick layers well rammed and depositing the surplus earth within compound in places shown by the departmental officers with an initial lead of 10 metre and initial lift of 2 metre and clearing and leveling the site etc., complete complying with standard specification and as directed by the departmental officers.	23 & 24	V, VI (S2)		1 M <sup>3</sup> (One cubic metre)	

4	146 M <sup>3</sup> (One hundred and forty six cubic metres)	Supplying and Filling in foundation and basement with <b>filling M sand</b> in layers of not more than 15cm thick well rammed watered and consolidated etc., complete complying with standard specification and as directed by the departmental officers.	24 & 25	V, VI (S2)		1 M <sup>3</sup> (One cubic metre)	
5	460.50 M <sup>3</sup> (Four hundred and sixty point five zero cubic metres)	Supplying and Filling in foundation and basement with Gravel in layers of not more than 15cm thick well rammed watered and consolidated etc., complete complying with standard specification and as directed by the departmental officers.	24 & 25	V.VI (S2)		1 M <sup>3</sup> (One cubic metre)	
6	146.50 M <sup>3</sup> (One hundred and forty six point five zero cubic metres)	Cement concrete 1:5:10 (one cement, five M. sand and ten aggregate) using 40mm gauge hard broken blue granite stone jelly for foundation and basement including dewatering if found necessary and laid in layers of not more than 15cm thick and compacted etc., complete complying with standard specification and as directed by the departmental officers.	23 & 28	VI (8.2) 8.3 VI (S5A) 4.2.1.3		1 M <sup>3</sup> (One cubic metre)	
7	41 M <sup>3</sup> (Forty one cubic metres)	<b>Plain Cement concrete 1:2:4</b> (One cement two m-sand and four aggregate) using machine crushed 20mm gauge hard broken granite stone jelly excluding centering, shuttering and, but including laying, curing and finishing etc., complete complying with standard specification and as directed by the departmental officers. For foundation and basement.	28 V, VI (S2) (S5A) VII			1 M <sup>3</sup> (One cubic metre)	
8		Brick work in cement mortar 1:5 (one cement and five M sand) using Ground Moulded second class chamber burnt bricks of size 9"x4 3/8 x2 3/4" including curing etc., complete complying with standard specification and as directed by the department officers. (Masonry projections wherever necessary for obtaining required elevation shall be done without extra cost)					

a	427.50 M <sup>3</sup> (Four hundred and twenty seven point five zero cubic metres)	For Foundation and basement				1 M <sup>3</sup> (One cubic metre)	
b	87.50 M <sup>3</sup> (Eighty seven point five zero cubic metres)	For Superstructure in Ground Floor				1 M <sup>3</sup> (One cubic metre)	
c	87.50 M <sup>3</sup> (Eighty seven point five zero cubic metres)	For Superstructure in First Floor				1 M <sup>3</sup> (One cubic metre)	
d	72 M <sup>3</sup> (Seventy two cubic metres)	For Superstructure in Second Floor				1 M <sup>3</sup> (One cubic metre)	
e	57 M <sup>3</sup> (Fifty seven cubic metres)	For Superstructure in Third Floor				1 M <sup>3</sup> (One cubic metre)	

9	4972 M <sup>2</sup> (Four thousand nine hundred and seventy two square metres)	<b>Plastering with cement mortar 1:5</b> (one cement and five P- sand) 12mm thick in all floors using fine river sand including neat finishing, curing, etc., complete complying with standard specification and as directed by the department officers.	61	V (S4) (3)		1 M <sup>2</sup> (One square metre)	
10	1211.50 M <sup>2</sup> (One thousand two hundred and eleven point five zero square metres)	Paving the floor with pre-polished concrete anti-skid tiles of 15mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three m sand) 15mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				1 M <sup>2</sup> (One square metre)	
11	1153 M <sup>2</sup> (One thousand one hundred and fifty three square metres)	Flooring with following <b>Tactile paver type of New Tack BT Yellow colour ceramic tiles of size 305x305x15mm</b> for vision impairment person laid over 20mm thick cement mortar and three m sand) base mortar over the existing slab/floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at the rate of 0.3kg/sq.m etc. complete complying with standard specification. (The make and brand of the tiles should got approved by the Executive Engineer before use on works)				1 M <sup>2</sup> (One square metre)	
12	5793 M <sup>2</sup> (Five thousand seven hundred and ninety three square metres)	Painting two coats of newly plastered wall surface with ready mixed plastic emulsion paint of first quality and of approved colour over a priming coat including preparing the surface, clean removal of dirt and including necessary plaster of paris putty wherever required etc., complete complying with standard specification. (The paint and colour should be got approved by the departmental officers before use on works)				1 M <sup>2</sup> (One square metre)	

13	775 RM (Seven hundred and seventy five running metre)	Supplying and fixing of HDPE pipe for cable duct etc complete 150mm dia pipe				1 RM (One running metre)	
14	40 Nos (Forty numbers)	Supplying and fixing in position of <b>Cast Iron Man hole cover</b> with CI frames of size 600x600mm (Heavy Duty) of best approved quality and as per Indian standard specification make etc., complete complying with standard specification and as directed by the departmental officers. (The Cast Iron Man hole cover should be got approved by the departmental officers before use on work).				1 No (Each)	
15	3 Nos (Three numbers)	supplying of manual foldable wheel Chair with fixed armrest and footrest,Cushion seat and back,Black Colour Rexin finish with standard specification and as directed by the departmental officers				1 No (Each)	
16	1 No (One number)	supplying of manual foldable wheel Chair with motorised seat up/down mechanism -6" fixed armrest and footrest,battery and charger,Cushion seat and back,Black Colour Rexin finish with standard specification and as directed by the departmental officers				1 No (Each)	
17	25 Nos (Twenty five numbers)	supplying and fixing of braile signage boards of required size as with standard specification and as directed by the departmental officers				1 No (Each)	

18	4 Nos (Four numbers)	Supplying and fixing in position white colour glazed Special delux model Glazed Cascade type (parryware/hindware/equivalent wall mounted) European Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings such as 15mm brass ball valve with polythene float with brass handle, union, coupling connected by means of 40mm white PVC flush hand using Indian adopter joint including all internal fittings.....				1 No (Each)	
19	8 Nos (Eight numbers)	Supplying and fixing in position best quality of approved make white glazed earthenware wash hand basin (without pedestal) of size 550x400mm with a pair of cast iron brackets , including cost of 15mm diameter brass chromium plated pillar tap, 32mm diameter C.P.waste, 32mm diameter PVC waste pipe with rubber plug and chain, 15mm diameter gun metal wheel valve, 15mm dia brass nipple, 15mm dia nylon connection etc. including fixing the wash hand basin in the wall in position with pair of C.I.brackets with teak wood plugs and screws and giving necessary water supply connection and painting the brackets with two coats of paint over a priming coat of anti-corrosive paint including testing for leakage etc., complete complying with standard specification and as directed by the departmental officers.(The wash hand basin and specials should be got approved by the departmental officers before use on work)	Spl			1 No (Each)	
20	16 Nos (Sixteen numbers)	Supplying and fixing in position 15mm dia brass CP screw down tap / Pillar tap (heavy duty) of approved make conforming to BIS specifications and quality including cost of shellac, thread, etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the Executive Engineer before use on the works)				1 No (Each)	

21	12 Nos (Twelve numbers)	Supplying and fixing in position best approved quality CI Nahini trap of 110mm x 75mm size with stainless steel grating of approved quality fixed over a bed of brick jelly lime concrete 1:2:5(one lime two sand and five brick jelly) using 40mm broken brick jelly including dismantling the flooring concrete / Brick masonry wherever necessary and redoing the disturbed portion to the original condition and giving in connection to the PVC soil (stacks)pipe as directed etc., complete complying with standard specifications. (The PVC Nahini trap should be got approved from the Executive Engineer before use on works.)				1 No (Each)	
22	8 Nos (Eight numbers)	Supplying and fixing in position Indian make bevelled edge mirror of approved quality and brand PVC / Fibre Glass framed 600 x 450 x 5.5mm thick mirror, shelf type with hard board backing of approved colour fixed with brass screws, rawl plug, etc., complete complying with standard specification. (The mirror should be got approved by the Executive Engineer before use on woks)				1 No (Each)	
23	8 Nos (Eight numbers)	Supplying and fixing best approved best quality brass CP soap tray of size 150 x 150mm including cost of teak wood plugs, brass screws, etc., complete complying with standard specifications. (The soap tray should be got approved by Executive Engineer before use on works).				1 No (Each)	
24		Supplying and fixing in position of following PVC soil waste pipe of 6 kg/m2 below ground level including earth work excavation to a width of 500 mm and average depth of 800 mm and jointing the pipe with adhessive including dismantling the brick wall and redoing the same with original condition, testing etc. complete and refilling with excavated earth etc. complete.					

a	26 RM (Twenty six running metre)	75mm dia PVC soil pipe				1 RM (One running metre)	
b	50 RM (Fifty running metre)	110mm dia PVC soil pipe				1 RM (One running metre)	
25		Supplying and fixing in position of the following PVC specials best approved quality conforming to ISS and providing leak proof joints with PVC adhesive etc., and giving connections to the PVC pipe etc., complete complying with standard specification.(The PVC specials should be got approved by the departmental officer before use on works).					
a	2 Nos (Two numbers)	75mm dia Tee				1 No (Each)	
b	2 Nos (Two numbers)	75mm dia Elbow				1 No (Each)	



c	2 Nos (Two numbers)	75mm dia Bend				1 No (Each)	
d	2 Nos (Two numbers)	110mm dia Tee				1 No (Each)	
e	2 Nos (Two numbers)	110mm dia Elbow				1 No (Each)	
f	2 Nos (Two numbers)	110mm dia Bend				1 No (Each)	
26		Supplying, laying and jointing UPVC Pipes of approved quality and best variety of "B" class pipe of the following dia including labour fixing UPVC Specials, (excluding charges for cutting and threading of pipes, cost of such specials) to wall with necessary teak wood plugs, clamps, screws, thread balls, shellac, etc., making holes on the walls (or) drilling holes in roof and making good the dismantled portions to original condition with necessary brick work / concrete and plastering wherever necessary with necessary scaffolding charges. The pipes are to be painted with the 2 coats of good variety and approved best quality of synthetic enamel paint over a priming coat of red oxide etc., complete in all floors complying with standard specification. UPVC shall be got approved by the Executive Engineer before use on works.					

a	40 RM (Forty running metre)	32mm dia UPVC pipe				1 RM (One running metre)	
b	29 RM (Twenty nine running metre)	25mm dia UPVC pipe				1 RM (One running metre)	
c	26 RM (Twenty six running metre)	20mm dia UPVC pipe				1 RM (One running metre)	
27		Supplying and fixing in position the following UPVC Specials of heavy type and approved quality and good variety excluding fixing charges but including necessary cutting and threading of UPVC pipes, jointing the UPVC specials and painting with two coats with good variety and best quality synthetic enamel paint over a coat of red oxide primer and jointing the specials with pipe line using shellac etc., complete complying with standard specification. (The UPVC specials should be got approved by the Executive Engineer concerned before use on works.)					
i)		<b>32mm dia</b>					

a	4 Nos (Four numbers)	Tee				1 No (Each)	
b	4 Nos (Four numbers)	Elbow				1 No (Each)	
c	4 Nos (Four numbers)	Bend				1 No (Each)	
d	4 Nos (Four numbers)	32x25mm reducer				1 No (Each)	
ii)		<b>25mm dia</b>					
a	4 Nos (Four numbers)	Tee				1 No (Each)	

b	4 Nos (Four numbers)	Elbow				1 No (Each)	
c	4 Nos (Four numbers)	Bend				1 No (Each)	
d	4 Nos (Four numbers)	25x20mm reducer				1 No (Each)	
iii)		<b>20mm dia</b>					
a	4 Nos (Four numbers)	Tee				1 No (Each)	
b	4 Nos (Four numbers)	Elbow				1 No (Each)	

c	4 Nos (Four numbers)	Bend				1 No (Each)	
d	4 Nos (Four numbers)	25x15mm reducer				1 No (Each)	
28		Supplying and fixing in position first quality and approved variety of Gun metal Gate Valve / Wheel Valve with BIS make of the following dia including cost of shellac, thread balls, etc., complete complying with standard specifications (for both internal and external water supply arrangements). The valves to be used on work shall be got approved by the Executive Engineer before use on work.					
a	2 Nos (Two numbers)	32mm dia Gate valve				1 No (Each)	
b	2 Nos (Two numbers)	25mm dia Gate valve				1 No (Each)	

c	2 Nos (Two numbers)	20mm dia Gate valve				1 No (Each)	
29	180 M <sup>3</sup> (One hundred and eighty cubic metres)	Collecting the scattered debris from the campus and conveying away the same to outside by lorry to a lead of not less than 10km within city limit including loading and unloading charges and dumping in low place and levelling etc., complete complying with standard specification and as directed by the departmental officers				1 M <sup>3</sup> (One cubic metre)	
30	330 M <sup>3</sup> (Three hundred and thirty cubic metres)	Earthwork excavation for foundation in all soils and sub soils to full depth as may be directed except in hard rock requiring blasting inclusive of shoring shuttering, baling out water wherever necessary, refilling the foundation with excavated earth and depositing the surplus earth within compound in places shown by the departmental officers with an initial lead of 10 metre and initial lift of 2 metre and clearing and leveling the site etc., complete complying with standard specification and as directed by the departmental officers.	23 & 24	V, VI (S2)		1 M <sup>3</sup> (One cubic metre)	
31	223.50 M <sup>2</sup> (Two hundred and twenty three point five zero square metres)	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid)	30(S) 86 86 A V, VI (S3) VII	VII		1 M <sup>2</sup> (One square metre)	

32		Supplying and erecting steel centering including necessary supports for plain surfaces, for all RCC works including strutting upto 3.29m in all floors using mild steel shutters of size 90cmx60cm of BG 10 stiffened with mild steel angles of size 25mmx 25mmx3mm laid over silver oak (Country wood) Joists of size 10cmx6.5cm spaced at about 90cm c/c and supported by casurina props of 10cm to 13cm dia. (spaced at 75cm c/c) etc., complete complying with standard specification and as directed by the departmental officers. (The centering will be removed after specified period of concrete without damaging the concrete)	30(S) 86 86 A V, VI (S3) VII	VII			
a	899 M <sup>2</sup> (Eight hundred and ninety nine square metres)	For <b>plain surfaces such as RCC floor slab, roof slab, beams</b> , lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.				1 M <sup>2</sup> (One square metre)	
b	888 M <sup>2</sup> (Eight hundred and eighty eight square metres)	For <b>plain surfaces such as rectangular or square</b> RCC columns, sunshades, top and bottom slab of RCC boxing, etc.				1 M <sup>2</sup> (One square metre)	
c	185 M <sup>2</sup> (One hundred and eighty five square metres)	For plain surfaces such as vertical slab, side slabs of boxing, vertical drops, fascia, vertical wall, etc.				1 M <sup>2</sup> (One square metre)	

33		Providing and laying in position, <b>Standardised Concrete Mix M-30 Grade</b> in accordance with IS 456-2000 using 20mm and down graded Hard broken Granite stone jelly for all RCC items of works with minimum cement content of 400 Kg/m <sup>3</sup> and maximum water cement ratio of 0.45, including admixture ( plasticiser/ super plasticiser ) in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about ( 5.0 cu.m ) 7730 Kg. of 20mm machine crushed stone jelly and with about ( 3.30 cu.m) 5156 Kg. of 10-12mm machine crushed stone jelly with about ( 4.79 cu. m) 7670 Kg. of M sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc; and providing fixtures like fan clamps in RCC floor/roof slab wherever necessary without claiming extra, etc., complete complying with standard specifications and as directed by the Departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS standards. ( No separate payment will be made by the Department for the excess usage of materials)	28	VI.8.2. 8.3. VI (S5A) 4.2.1.3			
a	93 M <sup>3</sup> (Ninety three cubic metres)	For foundation and basement				1 M <sup>3</sup> (One cubic metre)	
b	48.50 M <sup>3</sup> (Forty eight point five zero cubic metres)	For Ground Floor				1 M <sup>3</sup> (One cubic metre)	



c	48.50 M <sup>3</sup> (Forty eight point five zero cubic metres)	For First Floor				1 M <sup>3</sup> (One cubic metre)	
d	39 M <sup>3</sup> (Thirty nine cubic metres)	For Second Floor				1 M <sup>3</sup> (One cubic metre)	
e	34.50 M <sup>3</sup> (Thirty four point five zero cubic metres)	For Third Floor				1 M <sup>3</sup> (One cubic metre)	
34	335.50 Qtl (Three hundred and thirty five point five zero quintals)	Supplying, fabricating and placing in position of steel reinforcement using MS (or) RTS rods for all RCC item of works as per design given including cost of steel and binding wire in all floors etc., complete complying with standard specification and as directed by the departmental officers.	97	VI (8.6) VII.3		1 Qtl (One quintal)	

35	141 M <sup>2</sup> (One hundred and forty one square metres)	Providing, mixing, laying polymer based water proofing treatment for the Sunken Toilet / Lift well/ OHT Rcc wall by applying cement based, flexible, waterproofing compound confirming to IS:2645, to a thickness of 1mm of the prepared surface of the roof slab / floor slab as per specifications mentioned above providing cement mortar 1:3, waterproofing cover plaster to a thickness of 12mm over the membrane coating with admixture of approved make. Rate quoted is inclusive of preparation of surface, which includes cleaning of surface polymer mortar curing, labour, tools and equipment, etc. Rate inclusive of grouting with cement and sand required for the treatment, the cost and labour charges for fixing 25mm dia pressure pipes 15kg/cm <sup>2</sup> to a length of 45cm for drip pipes, etc. complete.				1 M <sup>2</sup> (One square metre)	
36	1985 M <sup>2</sup> (One thousand nine hundred and eighty five square metres)	Special ceiling plastering in all floors and finishing the exposed surface of RCC items of work such as slab, beam, sunshade, fascia, canopy slab, staircase waist slab, landing slab etc., with cement mortar 1:3 (One cement and three p sand) 10mm thick including hacking the surfaces and providing cement mortar nosing, beading for sunshade, staircase, step, landing slab etc., including neat finishing and curing etc., complete complying with standard specification and as directed by the departmental officers.	56 & 57	V (S4) 3		1 M <sup>2</sup> (One square metre)	
37	69 M <sup>2</sup> (Sixty nine square metres)	Finishing the top roof with one course of solar reflecting ceramic tiles of size 305x305x7mm thick of approved quality set in cement mortar 1:3 (One cement and three M.sand) (12mm thick ) and mixed with for 10M <sup>2</sup> / 4.00 kg Epoxy Packing conforming to ISS including curing etc., complete complying with standard specification and as directed by the Departmental officers.(The quality of solar reflecting ceramic tiles should be got approved by the departmental officers before use on works)	44-I	V2, VII.5 4.12 VII.13		1 M <sup>2</sup> (One square metre)	

38	13 M2 (Thirteen square metres)	<p>Supply and Fixing of M.S. steel doors with single leaf size 1.00m x 2.10 m with following specification. MS angles of size 40x40x 6mm at 3.5 kg/m used for the outer frame and MS angles of size 35x35x5mm at 2.60 kg/m for the shutter frames. Stiffners with 32x6mm at 1.50 Kg/m. MS flat is provided as the lock rail of the door and welded infact of both ends to the shutter frame, 18 gauge CR sheets of best quality is laid as panel in the shutter frames. 18x5mm at 0.70 kg/m MS flat is welded over the 32x6mm at 1.50 Kg / RM and MS flat on the rear side of the door sandwitching the CR sheet for rigidity with locking rail and bottom tie arrangements. Additional stiffners with 18x5 mm at 0.7 kg/m MS flats are provided horizontally diagonally on the rear side of the shutter. 2Nos of hinges in case of single leaf and 4Nos of hinges in case double leaf shutter is provided 6 Nos of hold fasts 200 length 40x40x6mm M.S. angle spliced at the ends are welded to the outer frame of the door. Tower bolt 2 Nos. one at top and the other at bottom are provided. One aldrop is provided incase of double leaves door at lock rail section in the door. For single leaf doors, one more aldrop is provided in the inner side at the lock rail section of the door.</p> <p>One rotating locking arrangements at the inner side of the door and additional provision for locking arrangements for lock is provided with 32x6mm MS flat on the rear side of the door at an appropriate place incase of a double leaves door MS flat 32x6mm at 1.50 kg/m is provided on the edge of one shutter to conceal the gap between the shutters. A tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation of fixing. All members are given a shop coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials labour charges transportation taxes and all other incidental charges etc., complete.</p>				1 M <sup>2</sup> (One square metre)	
----	-----------------------------------	---	--	--	--	--	--

39	265 M <sup>2</sup> (Two hundred and sixty five square metres)	Supplying and Fixing in position <b>steel balustrades using 20mm square rods</b> at 150mm c/c and two balustrades in a single step centrally located and top welded with M.S. flats 40x6mm for fixing with the M.S. hand rails having a groove 40x6mm and bottom fixed in the step concrete firmly M.S. flat of size 50x6mm to be provided at the Centre of balustrades connecting all square rods of size 20mm fixing at 15cm c/c to the entire length of the balustrades welding all faces intact including one coat of primer anti corrosive paint for the square rods and flats etc., complete complying with standard specification and as directed by the departmental officers.	Spl			1 M <sup>2</sup> (One square metre)	
40		Brick work partition wall 11.10cm thick using second class Ground Moulded chamber burnt bricks of size 9"X 4 3/8"X 2 3/4" in cement mortar 1:3 (One cement and three M sand including fixing hoop iron reinforcement if found necessary, laying, finishing and curing etc., complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid separately)	31 & similar to 31C	V, VI S(5) VII			
a	10.10 M <sup>2</sup> (Ten point one zero square metres)	For Superstructure in Ground Floor				1 M <sup>2</sup> (One square metre)	
41	22.50 M <sup>2</sup> (Twenty two point five zero square metres)	Paving the floor with Colour designed ceramic tiles of approved quality and colour of size 305 x 305 x 6mm in all floors over a base layer of cement mortar 1:3 (one cement and three M sand) 20mm thick using M. sand and pointing with white cement using 0.30kg/m <sup>2</sup> including adding suitable colour pigments to suit the colour of tiles finishing perfectly and curing etc., including cost of tiles, all materials and incidental charges, transportation charges and labour charges for laying tiles etc., complete complying with standard specification and as directed by the departmental officers. (The quality of tiles should be got approved by the departmental officers before use on works).	39F			1 M <sup>2</sup> (One square metre)	

42	77.50 M <sup>2</sup> (Seventy seven point five zero square metres)	Dadoing the walls with colour designed glazed tiles of size 300mmx 600mmx 6mm of approved quality in all floors set in cement mortar 1:2 mix (one cement & two M sand) 10mm thick and pointing with white cement using 0.4 kg/m <sup>2</sup> including adding suitable colour pigments to suit the colour of tiles including finishing the joints neatly and curing etc., complete complying with standard specifications. (The quality of tiles should be got approved by departmental officers before use on the work).	Spl			1 M <sup>2</sup> (One square metre)	
43	28 RM (Twenty eight running metre)	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase near wet riser using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick will be provided with tubular supports made of 304L Grade Stainless Steel pipe of 25mm dia of 1.60mm thick welded to the railing. The supports will be grouted into the wall and provided with 93.00mm thick Stainless Steel circular base plate of 304 Grade. The rate shall included for grouting into concrete with necessary supporting arrangements the hand rail in floor polishing buffing, bonding, cutting, grinding, conveyance, welding charges, electrical charges, etc. complete SI-226				1 RM (One running metre)	
44	3000 Kg (Three thousand kilogram)	Supplying and fixing MS grills to doors, windows and ventilators etc. using necessary MS flats (or) square rods for inner members and outer members Spl 1 Kg (One kilo thousand six hundred and twenty two kilogram) which should be fixed to window frames as directed and design given by the departmental officers inclusive of cost of providing one coat of best quality red oxide primer etc., complete complying with standard specification and as directed by the departmental officers				1 Kg (One kilogram)	
45	106 M <sup>2</sup> (One hundred and six square metres)	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over one coat of red oxide priming coat in all floors including cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)				1 M <sup>2</sup> (One square metre)	

46	260 M <sup>2</sup> (Two hundred and sixty square metres)	Paving the floor with best quality Double Charged Vitrified Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three M-sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				1 M <sup>2</sup> (One square metre)	
47	10.10 M <sup>2</sup> (Ten point one zero square metres)	Supplying and fixing of PVC Sliding Door with RollerThe Door shutter and frame should be got approved from the Exe. Engineer before use on work. (Sliding Door)				1 M <sup>2</sup> (One square metre)	
48	4 Nos (Four numbers)	Manufacturing, supplying and fixing of stainless steel of U shaped movable grab bar with hinges for accessible toilet using 32 mm dia pipe of 304 L grade stainless steel pipe of 1.60 mm thick in required size of 750mm x 110mm. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc., complete.				1 No (Each)	
49	99 RM (Ninety nine running metre)	Supplying and fixing in position best approved of BIS quality PVC rain water down fall pipes 110 mm dia having a pressure of 4 kg. / sq.cm including cost of necessary PVC shoe, PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails, etc., and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cast of removable cast iron grating. The PVC pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.0 metre pipe length, etc., complete complying with standard specification.				1 RM (One running metre)	

50	32.50 M <sup>2</sup> (Thirty two point five zero square metres)	Supplying and laying of 63mm thick high strength type of interlocking Paver block of approved colour made up of designed concrete mix 1:1:2 using 10-20mm size HBG stone jelly in required shapes and sizes having minimum compressive strength of 40N/mm <sup>2</sup> to be laid in fluyring bone pattern with approved non sticking surface at top. The rate is inclusive of levelleing the site, with power compactor and sweeping the sand grouting and also inclusive of transportation charges, loading, unloading and labour charges for laying the paver block etc.,complete and as directed by the departmental officers.				1 M <sup>2</sup> (One square metre)	
51	265 RM (Two hundred and sixty five running metre)	Supplying and fabricating and fixing in position 40mm dia GI pipe 'B' class for hand rails on the flats of steel balustrades including cutting the pipe to the required length including one coat of red oxide primer.				1 RM (One running metre)	
52	650 kg (Six hundred and fifty kilogram)	Supplying, Fabricating and erecting Roof truss made of Mild steel hot rolled or cold reformed I section, L angle, tube section plates etc., including all material cost ,labour charges for cutting welding jointing and fixing in position and also providing necessary arrangements to hoist in position with crane/ chain pully block, hydraulic pressing jacky of required capacity, LPG cylinder, Oxygen cylinder,kerosin, emery sheet, wire brush, cotton waste, wire brush including all labour charges viz sarang, gas cutter, welder, helper, fitter incidental charges as directed by the departmental officers.				1 Kg (One kilogram)	
53	40 M2 (Forty square metre)	Supply and fixing of bare Galvalume sheet ( Aluminium zinc alloy coated sheeet) with yield strength 550Mpa and 0.47mm thickness including all fittings as directed by the departmental officers. The rate includes the cost of material, labour charges for fixing, incidental charges etc.,complete complying with standard specification and as directed by the departmental officer. The colour and the brand of the ridge should be got approved by the departmental officers before execution of the work.				1 M2 (One square metre)	
		<b>ELECTRICAL</b>					

54	2 Nos (Two numbers)	<p>Supply, Erection, Testing, Commissioning and Handing over of 1No 15 Persons capacity Gearless Disability person Lift (SS304 grade) without machine room as per the following technical specifications which includes all taxes and duties.</p> <p>Technical Specifications:</p> <p>1) Locations:- Main building</p> <p>2) No. of Lift: One No.</p> <p>3) Type of Lift : Disability person Lift</p> <p>4) Capacity of lift: 15 persons</p> <p>5) Speed : 1.0 mtr/sec</p> <p>6) Type of Drive: Microprocessor V3F.</p> <p>7) No. of floor Ground + 1 floor (6.3m ceiling height)</p> <p>8) Total Travel: 13 mtrs (approx)</p> <p>9) Leveling Accuracy: High level accuracy with smooth &amp; jerk free stopping</p> <p>10) Construction of car: Stainless steel hairline finish with direct lighting with new beautiful single tube false ceiling with tubular handrail on three sides, 300mm sweep fan</p> <p>11) Position of Machine :Directly above the Lift level</p> <p>12) No. of Landing Entrance – One in front 2 Nos</p> <p>13) No of Car Entrance: One in front only.</p> <p>14) Car Entrance Door:- Stainless steel centre opening auto door.</p> <p>15) Landing Entrance Door:- V3F Drive side opening sliding 18SWG stainless steel (Hairline finish) door with provision for emergency key opening at all landing.</p> <p>16)Car size : 1500 x 1600 mm</p> <p>17)Car Clear Opening: 1000mmx2200mm</p> <p>18)Lift Well size : 2550mm wide x 2050mm deep</p> <p>19) Lift pit depth:-1600mm</p> <p>20) Power supply: 400/440 V Three phase 50Cy/Sec A.C.supply and 230V 50 Hz single phase AC supply for light.</p> <p>21)Control: Micro computer based Duplex full collective control with/without attendant.</p> <p>22)Car fittings: Compact fluorescent lighting with 2Nos 300mm sweep fans.</p>				1 No (Each)	
----	------------------------	---	--	--	--	----------------	--



23) Lift Well: RCC Construction with brick masonry.

25) Indication: Up/ Down Digital direction and position indicator for all landing and in car.

26)Emergency alarm bell:-Battery operated alarm bell to be provided with automatic charging device.

27)Emergency light : Battery operated light to be provided with automatic charging device.

28)Fire man's switch ;To be provided at Ground Floor

29)Minor builders work: To be provided by Lift Contractor.

30)Scaffolding : To be provide by lift contractor

31) Stainless steel sill angles and facia plates.

32) Steel for lift Machinery :To be provided by lift contractor

33)Servicing and Maintenance: Free comprehensive servicing and maintenance should be provided by lift contractor during the guarantee period of one year

34)Automatic Rescue Device: To facilitate the landing of the lift to the nearest floor at the time of power failure.

35)Provision of Intercom with Phone: To be provided by lift contractor.

36)Lift license : Preparation of drawing payment of charges to CEIG and Insurance policies and obtaining CEIG safety certificate as per lift act should be done by lift contractor

37)Floor annunciator with music

38) Special Features.

(a). Infra red door sensor with full height screen.

(b). Full width half height rear panel Mirror.

(c). Tubular stainless steel handrail on three sides in car.

(d). Voltage stabilizer for circuit control.

(e). Stainless steel signal fixtures.

	<p>(f). Vandal proof S.S button with S.S Cover. Lift buttons with Braille codes and handicap sign.</p> <p>(g) Stainless steel door frames for landing doors</p> <p>(h) VF door operator.</p> <p>(i) Call register Signal</p> <p>(j) Stainless steel fascia plate for car operating panel and landing fixtures.</p> <p>(k) ON-OFF switch for fan &amp; light</p> <p>(l). Over load warning indicator.</p> <p>39) Over speed governor, phase failure and phase reversal relay, alarm bell, T guide brackets for car and counter weight. Rubber padding under winding unit. Motor of adequate capacity, electromagnetic brake with compression springs, car safety gears, buffers, electro mechanical door locks. Emergency key. Side supporting angles motor over load protection devices, final limit switch main suspensions ropes, counter weights, lifting joint joist mounting the machineries.</p> <p>40) Guarantee: Guarantee for the materials and workman ship of equipments complete should be offered by the Lift firm for a period of not less than one year.</p> <p>41)Site testing in accordance with IS 14665 should be carried out at the time of handing over.</p> <p>42) Providing Architraves by supply and fixing for all landing door entrances.</p> <p>Rate of one lift as per above specifications like(Make:Johnson / Kone/OTIS)</p>				
--	--	--	--	--	--

55	2 Nos (Two numbers)	<p>Supply, Erection, Testing, Commissioning and Handing over of 1No 15 Persons capacity Gearless Disability person Lift (SS304 grade) without machine room as per the following technical specifications which includes all taxes and duties.</p> <p>Technical Specifications:</p> <p>1) Locations:- Stone block</p> <p>2) No. of Lift: One No.</p> <p>3) Type of Lift : Disability person Lift</p> <p>4) Capacity of lift: 15 persons</p> <p>5) Speed : 1.0 mtr/sec</p> <p>6) Type of Drive: Microprocessor V3F.</p> <p>7) No. of floor Ground + 1 floor</p> <p>8) Total Travel: 8 mtrs (approx)</p> <p>9) Leveling Accuracy: High level accuracy with smooth &amp; jerk free stopping</p> <p>10) Construction of car: Stainless steel hairline finish with direct lighting with new beautiful single tube false ceiling with tubular handrail on three sides, 300mm sweep fan</p> <p>11) Position of Machine :Directly above the Lift level</p> <p>12) No. of Landing Entrance – One in front 2 Nos</p> <p>13) No of Car Entrance: One in front only.</p> <p>14) Car Entrance Door:- Stainless steel centre opening auto door.</p> <p>15) Landing Entrance Door:- V3F Drive side opening sliding 18SWG stainless steel (Hairline finish) door with provision for emergency key opening at all landing.</p> <p>16)Carsize : 1500 x 1600 mm</p> <p>17)Car Clear Opening: 1000mmx2200mm</p> <p>18)Lift Well size : 2550mm wide x 2050mm deep</p> <p>19) Lift pit depth:-1700mm</p> <p>20) Power supply: 400/440 V Three phase 50Cy/Sec A.C.supply and 230V 50 Hz single phase AC supply for light.</p> <p>21)Control: Micro computer based Duplex full collective control with/without attendant.</p> <p>22)Car fittings: Compact fluorescent lighting with 300mm sweep fans.</p>				1 No (Each)	
----	------------------------	--	--	--	--	----------------	--

23) Lift Well: RCC Construction with brick masonry.

25) Indication: Up/ Down Digital direction and position indicator for all landing and in car.

26)Emergency alarm bell:-Battery operated alarm bell to be provided with automatic charging device.

27)Emergency light : Battery operated light to be provided with automatic charging device.

28)Fire man's switch ;To be provided at Ground Floor

29)Minor builders work: To be provided by Lift Contractor.

30)Scaffolding : To be provide by lift contractor

31) Stainless steel sill angles and facia plates.

32) Steel for lift Machinery :To be provided by lift contractor

33)Servicing and Maintenance: Free comprehensive servicing and maintenance should be provided by lift contractor during the guarantee period of one year

34)Automatic Rescue Device: To facilitate the landing of the lift to the nearest floor at the time of power failure.

35)Provision of Intercom with Phone: To be provided by lift contractor.

36)Lift license : Preparation of drawing payment of charges to CEIG and Insurance policies and obtaining CEIG safety certificate as per lift act should be done by lift contractor

37)Floor annunciator with music

38) Special Features.

(a). Infra red door sensor with full height screen.

(b). Full width half height rear panel Mirror.

(c). Tubular stainless steel handrail on three sides in car.

(d). Voltage stabilizer for circuit control.

(e). Stainless steel signal fixtures.

	<p>(f). Vandal proof S.S button with S.S Cover. Lift buttons with Braille codes and handicap sign.</p> <p>(g) Stainless steel door frames for landing doors</p> <p>(h) VF door operator.</p> <p>(i) Call register Signal</p> <p>(j) Stainless steel fascia plate for car operating panel and landing fixtures.</p> <p>(k) ON-OFF switch for fan &amp; light</p> <p>(l). Over load warning indicator.</p> <p>39) Over speed governor, phase failure and phase reversal relay, alarm bell, T guide brackets for car and counter weight. Rubber padding under winding unit. Motor of adequate capacity, electromagnetic brake with compression springs, car safety gears, buffers, electro mechanical door locks. Emergency key. Side supporting angles motor over load protection devices, final limit switch main suspensions ropes, counter weights, lifting joint joist mounting the machineries.</p> <p>40) Guarantee: Guarantee for the materials and workman ship of equipments complete should be offered by the Lift firm for a period of not less than one year.</p> <p>41)Site testing in accordance with IS 14665 should be carried out at the time of handing over.</p> <p>42) Providing Architraves by supply and fixing for all landing door entrances.</p> <p>Rate of one lift as per above specifications like (Make:Johnson / Kone/OTIS)</p>		
--	---	--	--

56	2 Nos (Two numbers)	<p>Supply, Erection, Testing, Commissioning and Handing over of 1No 15 Persons capacity Gearless Disability person Lift (SS304 grade) without machine room as per the following technical specifications which includes all taxes and duties.</p> <p>Technical Specifications:</p> <p>1) Locations:- Kalaingar block, Physics block and computer science block</p> <p>2) No. of Lift: One No.</p> <p>3) Type of Lift : Disability person Lift</p> <p>4) Capacity of lift: 15 persons</p> <p>5) Speed : 1.0 mtr/sec</p> <p>6) Type of Drive: Microprocessor V3F.</p> <p>7) No. of floor Ground + 2 floor</p> <p>8) Total Travel: 12 mtrs (approx)</p> <p>9) Leveling Accuracy: High level accuracy with smooth &amp; jerk free stopping</p> <p>10) Construction of car: Stainless steel hairline finish with direct lighting with new beautiful single tube false ceiling with tubular handrail on three sides, 300mm sweep fan</p> <p>11) Position of Machine :Directly above the Lift level</p> <p>12) No. of Landing Entrance – One in front 3 Nos</p> <p>13) No of Car Entrance: One in front only.</p> <p>14) Car Entrance Door:- Stainless steel centre opening auto door.</p> <p>15) Landing Entrance Door:- V3F Drive side opening sliding 18SWG stainless steel (Hairline finish) door with provision for emergency key opening at all landing.</p> <p>16)Carsize : 1500 x 1600 mm</p> <p>17)Car Clear Opening: 1000mmx2200mm</p> <p>18)Lift Well size : 2550mm wide x 2050mm deep</p>				1 No (Each)	
----	------------------------	--	--	--	--	----------------	--

19) Lift pit depth:-1700mm  
 20) Power supply: 400/440 V Three phase 50Cy/Sec A.C.supply and 230V 50 Hz single phase AC supply for light.  
 21)Control: Micro computer based Duplex full collective control with/without attendant.  
 22)Car fittings: Compact fluorescent lighting with 2Nos 300mm sweep fans.  
 23) Lift Well: RCC Construction with brick masonry.  
 25) Indication: Up/ Down Digital direction and position indicator for all landing and in car.  
 26)Emergency alarm bell:-Battery operated alarm bell to be provided with automatic charging device.  
 27)Emergency light : Battery operated light to be provided with automatic charging device.  
 28)Fire man's switch ;To be provided at Ground Floor  
 29)Minor builders work: To be provided by Lift Contractor.  
 30)Scaffolding : To be provide by lift contractor  
 31) Stainless steel sill angles and facia plates.  
 32) Steel for lift Machinery :To be provided by lift contractor  
 33)Servicing and Maintenance: Free comprehensive servicing and maintenance should be provided by lift contractor during the guarantee period of one year  
 34)Automatic Rescue Device: To facilitate the landing of the lift to the nearest floor at the time of power failure.  
 35)Provision of Intercom with Phone: To be provided by lift contractor.  
 36)Lift license : Preparation of drawing payment of charges to CEIG and Insurance policies and obtaining CEIG safety certificate as per lift act should be done by lift contractor  
 37)Floor annunciator with music  
 38) Special Features.  
 (a). Infra red door sensor with full height screen.

	<p>(b). Full width half height rear panel Mirror.</p> <p>(c). Tubular stainless steel handrail on three sides in car.</p> <p>(d). Voltage stabilizer for circuit control.</p> <p>(e). Stainless steel signal fixtures.</p> <p>(f). Vandal proof S.S button with S.S Cover. Lift buttons with Braille codes and handicap sign.</p> <p>(g) Stainless steel door frames for landing doors</p> <p>(h) VF door operator.</p> <p>(i) Call register Signal</p> <p>(j) Stainless steel fascia plate for car operating panel and landing fixtures.</p> <p>(k) ON-OFF switch for fan &amp; light</p> <p>(l). Over load warning indicator.</p> <p>(m) Pit Ladder</p> <p>39) Over speed governor, phase failure and phase reversal relay, alarm bell, T guide brackets for car and counter weight. Rubber padding under winding unit. Motor of adequate capacity, electromagnetic brake with compression springs, car safety gears, buffers, electro mechanical door locks. Emergency key. Side supporting angles motor over load protection devices, final limit switch main suspensions ropes, counter weights, lifting joint joist mounting the machineries.</p> <p>40) Guarantee: Guarantee for the materials and workman ship of equipments complete should be offered by the Lift firm for a period of not less than one year.</p> <p>41)Site testing in accordance with IS 14665 should be carried out at the time of handing over.</p> <p>42) Providing Architraves by supply and fixing for all landing door entrances.</p> <p>Rate of one lift as per above specifications like (Make:Johnson / Kone/OTIS)</p>					
--	--	--	--	--	--	--



57	1 No (One number)	<p>Supply, Erection, Testing, Commissioning and Handing over of 1No 15 Persons capacity gearless Disability person Lift (SS304 grade) without machine room as per the following technical specifications which includes all taxes and duties.</p> <p>Technical Specifications:</p> <p>1) Locations:- MGR block</p> <p>2) No. of Lift: One No.</p> <p>3) Type of Lift : Disability person Lift</p> <p>4) Capacity of lift: 15 persons</p> <p>5) Speed : 1.0 mtr/sec</p> <p>6) Type of Drive: Microprocessor V3F.</p> <p>7) No. of floor Ground + 3 floor</p> <p>8) Total Travel: 16 mtrs (approx)</p> <p>9) Leveling Accuracy: High level accuracy with smooth &amp; jerk free stopping</p> <p>10) Construction of car: Stainless steel hairline finish with direct lighting with new beautiful single tube false ceiling with tubular handrail on three sides, 300mm sweep fan</p> <p>11) Position of Machine :Directly above the Lift level</p> <p>12) No. of Landing Entrance – One in front 4 Nos</p> <p>13) No of Car Entrance: One in front only.</p> <p>14) Car Entrance Door:- Stainless steel centre opening auto door.</p> <p>15) Landing Entrance Door:- V3F Drive side opening sliding 18SWG stainless steel (Hairline finish) door with provision for emergency key opening at all landing.</p> <p>19) Lift pit depth:-1700mm</p> <p>20) Power supply: 400/440 V Three phase 50Cy/Sec A.C.supply and 230V 50 Hz single phase AC supply for light.</p> <p>21)Control: Micro computer based Duplex full collective control with/without attendant.</p> <p>22)Car fittings: Compact fluorescent lighting with 2Nos 300mm sweep fans.</p>	Spl			1 No (Each)
----	----------------------	---	-----	--	--	----------------



		<p>(f). Vandal proof S.S button with S.S Cover. Lift buttons with Braille codes and handicap sign.</p> <p>(g) Stainless steel door frames for landing doors</p> <p>(h) VF door operator.</p> <p>(i) Call register Signal</p> <p>(j) Stainless steel fascia plate for car operating panel and landing fixtures.</p> <p>(k) ON-OFF switch for fan &amp; light</p> <p>(l). Over load warning indicator.</p> <p>(m) Pit Ladder</p> <p>39) Over speed governor, phase failure and phase reversal relay, alarm bell, T guide brackets for car and counter weight. Rubber padding under winding unit. Motor of adequate capacity, electromagnetic brake with compression springs, car safety gears, buffers, electro mechanical door locks. Emergency key. Side supporting angles motor over load protection devices, final limit switch main suspensions ropes, counter weights, lifting joint joist mounting the machineries.</p> <p>40) Guarantee: Guarantee for the materials and workman ship of equipments complete should be offered by the Lift firm for a period of not less than one year.</p> <p>41)Site testing in accordance with IS 14665 should be carried out at the time of handing over.</p> <p>42) Providing Architraves by supply and fixing for all landing door entrances.</p> <p>Rate of one lift as per above specifications like(Make:Johnson / Kone/OTIS)</p>						
58	155 mts (One hundred and fifty five metres)	Supply and run of 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated unsheathed single core copper conductor of 1100V grade in suitable gauge MS conduit pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour.					1 mt (One metre)	

59	34 Nos (Thirty four numbers)	Supply and fixing of WT Bulk head fitting with guard (Philips/Bajaj/crompton/Klite) suitable for 11W CFL lamp with CFL.				1 No (Each)	
60	119 mts (One hundred and nineteen metres)	Supply and run of 2 of 2.5 sqmm (36/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable gauge MS conduit pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour.				1 mt (One metre)	
61	731 mts (Seven hundred and thirty one metres)	Supply and run of 4 of 10 sqmm (140/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour.				1 mt (One metre)	
62	18 Nos (Eighteen numbers)	Supply and fixing of modular 5A / 15A 3 pin combined flush type wall socket with 15A flush type modular switch on suitable modular surface mounting MS box with modular white plate with connection.				1 No (Each)	
63	7 Nos (Seven numbers)	Supply and fixing of 12 way single pole and neutral MCB sheet steel enclosure Distribution board with IP 42 protection metal door type with 1No 63 Amps 4P MCB,10kA, 1No 40 Amps 3P MCB, 10kA, 2Nos 6 Amps DP MCB, 10kA and 1No 6 Amps SP,10kA outgoing in flush with wall and making good of the concealed portion with earth connection only. The MCB DB and MCB's should be with ISI mark (Like Legrand / Hager make)				1 No (Each)	

64	34 Nos (Thirty four numbers)	Supply and fixing of 6A modular switch on 3 module GI box covered with modular white plate on wall with connection.				1 No (Each)	
65	34 Nos (Thirty four numbers)	Supply and fixing of ceiling rose on MS conduit round box on wall with connection.				1 No (Each)	
66	14 Nos (Fourteen numbers)	Earthing as per the ISI specification with an earth electrode of 2.1 mt class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mmx50mmx6mm, with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry				1 No (Each)	
67	266 mtr (Two hundred and sixty six metres)	Supply and run of 1 of No.8 SWG GI wire for earth connection.				1 mt (One metre)	
					<b>TOTAL</b>		
				12%	<b>GST</b>		
<b>67 Items (Sixty seven items)</b>					<b>GRAND TOTAL</b>		