

NAME OF WORK:- Improvement works to various buildings in College campus of Rajeswari Vedachalam Government Arts College, Chengalpattu.

SCHEDULE A

EMD: Rs. 51500/-					Date: 05.04.2022		
Sl. No	Qty	Description of Work	TN BP NO.	NBC NO.	Rate in figure and Words	Unit	Amount
1	25 M ³ (Twenty five cubic metres)	Dismantling, removing and carefully stacking Brick masonry walls in cement mortar under 3m height.,complete complying with standard specification and as directed by the Departmental officers.				1 M ³ (One cubic metre)	
2	795 M ² (Seven hundred and ninety five square metres)	Dismantling, removing and carefully pressed tiles and weathering course complete complying with standard specification and as directed by the Departmental officers.				1 M ² (One square metre)	
3	104 M ² (One hundred and four square metres)	Dismantling, removing and carefully Floor finish and dadooing wall in cement mortar glazed tiles complete complying with standard specification and as directed by the Departmental officers.				1 M ² (One square metre)	

1

No. of corrections in figure:

No. of corrections in words:

No. of overwriting in figure:

No. of overwriting in words

Contractor

Chief Engineer

4	0.60 M ³ (Zero point six zero cubic metres)	Dismantling clearing away and carefully stacking materials useful for re use of wrought ans putup framed timbers in Roof /Floors as directed by the departmental officers.				1 M ³ (One cubic metre)	
5	132 M ³ (One hundred and thirty two 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 ³ (One cubic metre)	
6	106 M ³ (One hundred and six cubic metres)	Supplying and filling the foundation and basement with filling Gravel in layers of not more than 15cm thick well rammed, watered and consolidated as directed by the Departmental Officers complete complying with standard specification.				1 M ³ (One cubic metre)	
7	53 M ³ (Fifty three cubic metres)	Supplying and Filling in foundation and basement with M sand 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 ³ (One cubic metre)	

8	66 M ³ (Sixty six 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 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 ³ (One cubic metre)	
9		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	33 M ² (Thirty three square metres)	For column footing plinth beam staircase steps, piers raft beam raft slab etc.,				1 M ² (One square metre)	
b	98 M ² (Ninety eight square metres)	Plain surfaces such as RCC floor slab, roof slab, rectangular, square Tee or Ell beam, lintel, bed block staircase waist slab, landing slabm landing beam, portico beam, portico beam, portico slab etc.,				1 M ² (One square metre)	

c	83 M ² (Eighty three square metres)	For square or rectangular column , Tee or Ell beams boxing top and bottom slab sill sunshade slab fins all drops etc., complete.				1 M ² (One square metre)	
10		Providing and laying in position, standardised concrete Mix M-20 Grade in accordance using 20mm with IS:456-2000, and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/ms and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retarded setting of concrete, improve workability without impairing strength and durability with about (5 cu.m.) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 kg. of 10-12mm machine crushed stone jelly and 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 the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification 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	47 M ³ (Forty seven cubic metres)	For foundation and basement				1 M ³ (One cubic metre)	

b	12 M ³ (Twelve cubic metres)	For superstructure in ground floor				1 M ³ (One cubic metre)	
11	42.50 Qtl (Forty two point five zero quintals)	Supplying, fabricating and placing in position of steel reinforcement using MS (or) RTS rods for all RCC item of works including cost of steel and binding wire in all floors etc., complete complying with standard specification and as directed and as per design given by the departmental officers.	97	VI (8.6) VII.3		1 Qtl (One quintal)	
12		Brick work in cement mortar 1:6 (one cement and six 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).	31C	V, VI S(5) VII			
a	63 M ³ (Sixty three cubic metres)	For Foundation and basement				1 M ³ (One cubic metre)	
b	50 M ³ (Fifty cubic metres)	For Superstructure in ground Floor				1 M ³ (One cubic metre)	

13		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 threeM 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 seperately)	31 & simil ar to 31C V, VI (S5) VII	V, VI S(5) VII			
a	17 M ² (Seventeen square metres)	For Superstructure in Ground Floor				1 M ² (One square metre)	
14	1162 M ² (One thousand one hundred and sixty two square metres)	Re-Plastering with cement mortar 1:5 (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 ² (One square metre)	
15	409 M ² (Four hundred and nine square metres)	Special ceiling plastering in all floors and finishing the exposed surface of RCC items of work such as slab, beam, sunshade, facia, 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 ² (One square metre)	

16	5.50 M ² (Five point five zero square metres)	Supplying and fixing fine polished cuddapah slab of following thickness for cup-board arrangements including laying to correct alignment with necessary cement mortar and black powder etc, complete complying with standard specification and as directed by the departmental officers.				1 M ² (One square metre)	
17	64 M ² (Sixty four square metres)	Supplying and paving the floor with Vitrified Tiles (Marbonite) of approved quality and colour of size 0.60 x 0.60m x 8mm for flooring in all floors over a base layer of cement mortar 1:3 - 20mm thick finishing perfectly and curing as directed by the Departmental officers 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 tiles should be got approved by the Executive Engineer before use on works).				1 M ² (One square metre)	
18	75 M ² (Seventy five square metres)	Paving the floor with design colour 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 ² 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 ² (One square metre)	

19	48 M ² (Forty eight 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 ² 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 ² (One square metre)	
20	16 M ³ (Sixteen cubic metres)	Plain Cement concrete 1:2:4 (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.	28 V, VI (S2) (S5A)) VII			1 M ³ (One cubic metre)	
21	336 M ² (Three hundred and thirty six 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 ² / 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 ² (One square metre)	

22	16.50 M ³ (Sixteen point five zero cubic metres)	Weathering course using best quality of broken brick jelly of 20mm gauge in pure slacked lime (no sand to be added) the proportion of brick jelly to lime being 32:12.5 Cft. by volume and laid over the RCC roof slab in a single layer and consolidated to the required design and finished thickness and slope by beating the concrete with wooden beater of approved pattern and keeping the surface constantly wet by sprinkling lime jaggery water etc., complete complying with standard specification and as directed by the departmental officers.	44			1 M ³ (One cubic metre)	
23	865 M ² (Eight hundred and sixty five square metres)	Finishing the top of roof with one course of Machine pressed tiles of size 23x23x2cm of approved quality laid in cement mortar 1:3 (One cement and three M-sand) 12mm thick mixed with water proofing compound (confirming to Indian standard specification) 2% by weight of cement used and pointed with the same mortar including mixing of red oxide and water proofing compound etc., complete complying with standard specification and as directed by the departmental officers.				1 M ² (One square metre)	
24		Supplying and fixing in position best approved of BIS quality PVC rain water down fall pipes having a working pressure of 4 kg / sq.cm including cost of necessary PVC shoe, PVC bend, C.I. gratings of required dia. 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 cost of removable iron grating. The PVC pipe shall be fixed on wall with special type of clamps. Special type "U" clamp at the centre of the pipe line shall be fixed in addition to those for more than 3.0M pipe length complying with standard specification.	97	VI (S6) VII.3			

a	63 RM (Sixty three running metre)	110mm dia PVC pipe				1 RM (One running metre)	
b	24 RM (Twenty four running metre)	160mm dia PVC pipe				1 RM (One running metre)	
25	14.50 M ² (Fourteen point five zero square metres)	Renewing, Manufacturing, Supplying and Fixing in position of M.S.steel window with following specifications. The outer frame of window made out "Z" section (F7D) of size 33x25x3mm at 1.419 Kg/m and mullion of "J" section (F4B) of size 45x25x3mm at 2.28 Kg/m. Shutter made out of (F7D) section of size 33x22x3mm at 1.419 Kg/m. Each openable shutter should not be exceeded a width 600mm to enable separate operations and easy maintenance. 2Nos. of sturdy hinges and one number of handle cum latch of special type make with 18x5 MS flat are revetted to the shutters of an appropriate height in each window shutter. Suitable opening is left for its easy operation. A stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. Each shutter having an adjustable window stay made out of 18mmx5mm at 0.70 kg/m MS flat of length 320mm with free adjustable positions.	Spl			1 M ² (One square metre)	

		<p>A matching peg is provided in the outer frame of the window, at suitable place, 4Nos of holdfasts of 200mm length MS angle 40x40x6mm the ends are welded to the outer frame of the window, 18 mmx 5 mm at 0.70 kg/m MS flat is welded to the shutter at two places, equal distance from each other from top and bottom of the shutter. 18 gauge cold rolled sheet of superior quality is laid as panel in the shutter frames and welded intact. Stiffeners with 18x5mm at 0.70 kg/m MS flat of suitable length welded diagonally to all four corners of each openable shutter to hold the CR sheet in position firmly. MS square bars of 12mm size is welded to the inner face of the window at equal intervals not exceeding 100mm edge to edge between them. All members are painted with one coat of anticorrosive red oxide primer as directed by the departmental officers. All sections used should confirm to IS 7542 / 1990. The rate includes cost of all materials, labour charges, transportation to taxes and other incidental charges etc. complete.</p>				
--	--	--	--	--	--	--

26	6.30 M ² (Six point three zero square metres)	<p>Supply and Fixing of M.S. steel doors with Single Leaves 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>	Spl			1 M ² (One square metre)	
----	---	---	-----	--	--	---	--

27	32.50 RM (Thirty two point five zero running metre)	Fabricating supplying and fixing in position CRCA pressed steel box section 18 gauge or 1.25mm thick for door frames of section size 105mmx60mmx1.25mm thick with necessary rebate of size 35x15mm for housing door shutters conforming to IS specification. Frames shall be fabricated to the specified door size with joints properly welded and grinded. Stiffeners with 25x3mm MS flat shall be provided around the frame at 60cm intervals. The cost shall also include for providing 3 Nos. of MS clamps with 25x3 flats each on either sides of door frame, providing bottom tie, with 10mm dia MS rod, providing necessary holes for receiving tower bolts 2 Nos. with stiffeners on inner side, providing the required number of I.O hinges of size 125x30mm for shutters properly welded to the frames, finishing the door with one coat of good quality red oxide primer with cement concrete 1:2:4 (One cement, two sand and four aggregate) using 20mm gauge hard broken granite stone jelly packed inside to the frame including cost of all materials, fabrication and conveyance to the site and fixing in position with necessary scaffolding etc., complete complying with standard specification and as directed by the departmental officer.	Spl			1 RM (One running metre)	
28	14 M ² (Fourteen square metres)	Renewing, Supplying and fixing in position of 35mm thick solid core flush door shutters with following specification single leaf with TW ply on both sides and with TW lipping of size 35x12mm on all edges with necessary adhesives and C.P. Screws Alu. Butt Hinges (6 nos. 250 x 16 mm Size) Alu. Aldrop1 No. 250 x 16 mm Size, Alu. Tower Bolt 2 No. 250 x12 mm size, alu. Tower Bolt 2 No. 200 x 12 mm size, D type alu. Handle 200mm length 2 No., alu. door stopper with rubber bush 2 No. shall be provided, as directed by the departmental officers etc., complete.	Spl			1 M ² (One square metre)	

29	2125 kg (Two thousand one hundred and twenty five 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 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 .	Spl			1 kg (One kilogram)	
30	8.50 M ² (Eight point five zero square metres)	Supplying and fixing with Solid PVC door shutter without PVC frame with suitable rebate for housing the shutter consisting of frame made out of MS tubes 19 gauge thickness and size of 19x19mm for styles and 15x15mm for top and bottom rails, complete complying with standard specification and as directed by the departmental officers.				1 M ² (One square metre)	
31		Supplying, laying and jointing UPVC pipes of approved quality and best variety of B Class pipes of the following dia including labour for fixing UPVC Specials (excluding charges for cutting and threading and cost of such specials) with necessary shellac, thread ball, etc., For External Water supply arrangements. (Below Ground Level)					
a	42 RM (Forty two running metre)	50mm dia - UPVC Pipe				1 Rm (One Running metre)	

32		Supplying, laying and joining UPVC pipes of approved quality and best variety conforming to ISS with ISI mark, of the the following size laid properly to alignment including cutting, threading and fixing the required UPVC specials but excluding the cost of such specials and fixing to the wall with necessary TW plugs, clamps and screws, making holes on the wall or drilling holes in the roof and making good dismantled portion to original condition with necessary brick work, concrete and plastering wherever necessary with necessary scaffolding charges etc., complete. (Internal Water Supply Arrangements)					
a	60 RM (Sixty running metre)	40mm dia - UPVC Pipe				1 Rm (One Running metre)	
b	120 RM (One hundred and twenty running metre)	32mm dia - UPVC Pipe				1 Rm (One Running metre)	
33		Supplying, laying and jointing UPVC pipes of approved quality, of the following sizes, including cutting, threading and fixing UPVC specials, but excluding cost of such specials, and fixing to wall with necessary TW plugs, clamps and screws, making good the dismantled portions to original condition, with necessary scaffolding charges. Above Ground Level (Internal Water Supply Arrangements).					

a	61 RM (Sixty One running metre)	25mm dia - UPVC Pipe				1 Rm (One Running metre)	
b	27 RM (Twenty seven running metre)	20mm dia - UPVC Pipe				1 Rm (One Running metre)	
34		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)					
a	2 Nos (Two numbers)	50mm dia UPVC Elbow				1 No (Each)	

b	6 Nos (Six numbers)	50mm dia coupling				1 No (Each)	
c	8 Nos (Eight numbers)	40mm dia bend				1 No (Each)	
d	12 Nos (Twelve numbers)	32mm dia bend				1 No (Each)	
e	5 Nos (Five numbers)	40mm dia coupling				1 No (Each)	
f	12 Nos (Twelve numbers)	32mm dia coupling				1 No (Each)	

g	10 Nos (Ten numbers)	20mm dia coupling				1 No (Each)	
h	7 Nos (Seven numbers)	25mm x 20mm dia Reducer elbow				1 No (Each)	
i	15 Nos (Fifteen numbers)	20mmx15mm dia reducer elbow				1 No (Each)	
35		Supplying and fixing in position best quality and approved variety of new Gun Metal Gate Valve / Wheel Valve heavy type excluding the fixing charges but including necessary cutting & threading of GI pipes for jointing the GI specials and providing two coats of painting with good quality and approved variety of anti-corrosive paint over a coat of red oxid primer coat in the case of pipe line above ground level and one coat of tarring in the case of pipe line below ground level etc., complete	Spl				
a	2 Nos (Two numbers)	40mm dia Gate valve				1 No. (Each)	

b	2 Nos (Two numbers)	40mm dia Wheel valve				1 No. (Each)	
c	6 Nos (Six numbers)	32mm dia Wheel valve				1 No. (Each)	
d	6 Nos (Six numbers)	25mm dia Wheel valve				1 No. (Each)	
36	18 Nos (Eighteen numbers)	Supplying and fixing in position of Cast Iron Man hole cover 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).	Spl			1 No. (Each)	

37	8 Nos (Eight numbers)	Supplying and fixing in position Indian water closet oriya type of size 580x440mm white glazed earthenware of approved quality with 'P' trap or 'S' trap conforming to IS 2556-Part XII with sand cushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:2:5 (One part of lime, two parts of sand and five parts of brick jelly) 100mm thick and finishing the top to required slope and including giving necessary connection to PVC. pipes by dismantling brick masonry, reinforced cement concrete roof/floor slab and making good the disturbed portion to original condition without leakage etc., complete complying with standard specification and as directed by the departmental officers.(The Oriya type Water Closet and all accessories should be got approved by the departmental officers before use on work)	Spl			1 No (Each)	
38	12 Nos (Twelve numbers)	Supplying and fixing in position PVC Nahini trap of size 110x75mm with best pvc gratings of approved brand and quality with fixed over a bed of brick jelly lime concrete 1:2:5(one part of lime,two parts of sand and five parts of 40mm size brick jelly)and finished with cement Mortar 1:3(one cement and three sand)including dismantling masonry works wherever found necessary and making good the damaged portions to the original condition giving connections to the pipe etc., complete complying with standard specification and as directed by the departmental officers. (The PVC Nahini trap with grating should be got approved by the departmental officer before use on works).	Spl			1 No (Each)	

39	3 Nos (Three numbers)	Supplying and fixing in position White/colour Glazed European water closet of best quality and approved make with 100mm P or S trap with double flapped rigid PVC.seat cover with chromium plate brass hinges, including supplying and fixing PVC. Low level flushing tank 10 litre capacity of approved quality on wall with teak wood plugs, brass screws and 2 numbers 15mm dia gun metal wheel valve, 15mm dia nylon connection and giving necessary water supply connection as directed by the departmental officers. The rate includes cost of 100mm dia PVC.Pipe 60cm long including cost of 3 Kg.of white cement 6Kg.of cement, spunyarn, shellac, thread ball, teak wood plugs, brass screws 75mmx10mm etc., complete complying with standard specification and as directed by the departmental officers. (The European Water Closet and flushing tank should be got approved by the Departmental Officers before use on work.)	Spl			1 No (Each)	
40	11 Nos (Eleven 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)	

41	16 Nos (Sixteen numbers)	Supplying and fixing in position of Indian make white/colour glazed earthen ware lipped mouth flat back Urinal of best approved quality with 32mm dia bell mouthed PVC connection, 15mm dia G.M wheel valve, fixing the Urinal to the wall in position with necessary T.W. plugs, clamps, screws shellac etc., including dismantling masonry if necessary and redoing the same to original condition, fixing the 15mm GI pipe connection and wheel valve, painting the pipe with two coats and checked without any leakage etc., complete complying with standard specification and as directed by the departmental officers. (The urinal should be got approved by the departmental officers before use on work)	Spl			1 No (Each)	
42	100 Nos (One hundred numbers)	Supplying and fixing in position 15mm dia Chromium Plated screw down Taps (heavy type) of best quality and approved make conforming to ISS and providing leak proof joints with thread and shellac etc., including fixing and connecting to the pipes etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the departmental officer before use on work)	Spl			1 No (Each)	
43		Supplying and fixing in position of following PVC soil waste pipe of 6 kg/m ² below ground level including earth work excavation to a width of 500 mm and average depth of 800 mm and jointing the pipe with adhesive including dismantling the brick wall and redoing the same with original condition, testing etc. complete and refilling with excavated earth etc. complete.					
a	23 RM (Twenty three running metre)	160 mm dia PVC pipe				1 RM (One running metre)	

b	55 RM (Fifty five running metre)	110mm dia pipe				1 RM (One running metre)	
c	67 RM (Sixty seven running metre)	75 mm dia PVC Pipe				1 RM (One running metre)	
44		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	12 Nos (Twelve numbers)	75 mm dia Tee with door				1 No (Each)	
b	4 Nos (Four numbers)	75mm bend				1 No (Each)	

c	6 Nos (Six numbers)	110mm PVC Tee				1 No (Each)	
d	16 Nos (Sixteen numbers)	110mm vent cowl				1 No (Each)	
45	4807 M ² (Four thousand eight hundred and seven square metres)	Painting two coats of newly plastered wall surface with ready mixed plastic exterior emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.				1 M ² (One square metre)	
46	494 M ² (Four hundred and ninety four square metres)	Painting old wood work two coats in the floors with best synthetic enamel paint of approved quality, colour of and brand to be approved by Executive Engineer before use on work including ordinary scrapping, sand papering and preparation of surface including cost of brushes, High scaffolding charges neat finishing neatly etc., complying with standard specification and as directed by the quality and brand including preparation of surface etc.,				1 M ² (One square metre)	

47	712 M ² (Seven hundred and twelve square metres)	Painting the old iron work with such as steel doors, windows, ventilators, window bars, balustrades etc., two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat and including cost of painting materials, brushes, putty, preparation of surfaces and scaffolding charges etc., complete complying with standard specification and as directed by the departmental officer. (The quality and colour of paint should be got approved by the departmental officer before use on work).				1 M ² (One square metre)	
48	1.20 M ³ (One point two zero cubic metres)	Renewing, Supplying and fixing country wood frames for doors, windows, ventilators and any other similar joinery works including cost of country wood scantling of required length and labour charges for wrought and put up in position and fixing the hold fast for doors, windows, ventilators etc., complete complying with standard specification and as directed by the departmental officers				1 M ³ (One cubic metre)	
49	170 M ² (One hundred and seventy square metres)	Supplying and laying of 60 mm thick high strength type of interlocking rubber moulded hydraulic pressed paver block of approved colour made up of designed concrete mix 1:1:2 using 10 to 12mm size HBG stone jelly in required shapes and sizes having minimum compressive strength of 40 N/mm ² to be laid in flurrying bone pattern with approved non sticking surface at top. The rate is inclusive of levelling the site, compacting 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 ² (One square metre)	

50	2750 Kg (Two thousand seven 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)	
51	126 M ² (One hundred and twenty six square metres)	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 M ² (One square metre)	
52	2400 M ² (Two thousand four hundred square metres)	Painting the walls two coats with best Oil bound distemper of approved quality (to be approved by the Executive Engineer before use on works) over one coat of primer for newly plastered wall including preparation of surface and finishing neatly including cost of all materials, brushes, scaffolding charges etc., complete complying with standard specification and as directed by the departmental officers.	66 & 66A			1 M ² (One square metre)	

53	168 M ² (One hundred and sixty eight square metres)	Supplying and fixing of profiled composite panel 50mm thick (puffed panel sheet) for roofing and fixing over the roof truss with steel box section purins. The composite panels should be of 0.5mm thick colour coated galvanized brick red colour (or) colour apporved by the engineer AZ 150 , 50 mm thick polyurethane of density (overall) 40 kg/m ³ (+ or -2 kg), 0.35mm thick color coated galvanized off white col;or AZ 70, with self tapping/ drilling screw (with color cap) arrangements for fixing over the purlins to the ridge of the profile panel. Side lapping arrangements should be made with sealent tape of 9.50mm wide x 2.40mm thick and POP Rivet of 4.80mm x 11.80mm @ 400mm C/C with necessary scaffolding arrangements in both directions. the rate inclusive of cost of all materials, wastage of cutting of ornamental design, fixing in alignment to the roof portion, dismantling if necessary and redoing the same in original conditions, neat finishing etc., complete complying with standard specification and as direcmplete. g in position with necessary scaffolding etc., complete comply				1 M ² (One square metre)	
					TOTAL		
				12%	GST		
					GRAND TOTAL		
		53 items (Fifty three items)					