

NAME OF WORK :		Maintenance and repair works in VSS Government Arts College at Pulankurichi in Sivagangai District				
Schedule - A						
EMD: Rs. 40500/-				Date of tender: 20.04.2022		
Sl. No	Qty	Description of Work	TN BP NO. &NBC NO.	Rate in figure and Words	Unit	Amount
		CIVIL WORK				
1a	42 M ³ (Fourty two cubic metres)	Dismantling Clearing away and carefully stacking materials useful for reuse for any thickness of brick / stone masonry in cement mortar walls under 3m high etc., complete complying with standard specification and as directed by the departmental officer.	23 & 24 V, VI S2		1 M ³ (One cubic metre)	
1b	19 M ³ (Nineteen cubic metres)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of Plain cement concrete and roughening the surface etc., complete complying with standard specification and as directed by the departmental officer.	23 & 24 V, VI S2		1 M ³ (One cubic metre)	
1c	10 M ³ (Ten cubic metres)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of doors and windows including removal of frames, hinges and fastenings etc., complete complying with standard specification and as directed by the departmental officer.	24 & 25 V, VI S2		1 M ³ (One cubic metre)	

1d	293 M ³ (Two hundred and Ninety three cubic metres)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of clean removal of cement plaster from wall, complete complying with standard specification and as directed by the departmental officer.	24 & 25 V, VI S2		1 M ³ (One cubic metre)	
1e	150 M ³ (One hundred and Fifty cubic 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 Mosain tiles / Glazed tiles / cuddapah slabs, complete complying with standard specification and as directed by the departmental officer.	24 & 25 V, VI S2		1 M ³ (One cubic metre)	
2	8 M ³ (Eight 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.	30(S) 86 86 A V, VI (S3) VII		1 M ³ (One cubic metre)	
3	5.50 M ³ (Five point five zero cubic metres)	Supplying and Filling in foundation and basement with filling 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.	30(S) 86 86 A V, VI (S3) VII		1 M ³ (One cubic metre)	
4		Brick work in cement mortar 1:6 (one cement and six sand) using Third class country bricks of size 8 3/4 "x 4 1/4 x 2 3/4" including finishing and 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	32 M ³ (Thirty two cubic metres)	In foundation Basement			1 M ³ (One cubic metre)	
b	3.15 M ³ (Three point one five cubic metres)	In ground floor			1 M ³ (One cubic metre)	
5		Brick partition wall of 10.80cm thickness using third class country bricks of size 8 3/4 " x 4 1/4 " x 2 3/4" in cement mortar 1:3 (One cement and three M-sand) using hoop iron reinforcement if found necessary including curing etc., complete and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)	28 VI.8.2.8 .3. VI (S5A) 4.2.1.3			
a	64 M ² (Sixty four square metres)	Ground floor			1 M ² (One square metre)	

6	1596 M ² (One thousand five hundred and ninety six square metres)	<p>Providing post - construction Anti – termite treatment to soil adjacent and under building foundation, plinth periphery of the building by application of chemicals of IS 6313 part I to IV in stage to suit the progress of work consist as per the detailed specification as below (Measurements taken for the plinth area for the purpose of payment) including braking of termite mounds, making holes with crow bar, closing the holes after the treatment and including cost of chemicals, labour charges, transport & storing etc., complete and as directed by the departmental officers.(The chemical should be got approved by Executive Engineer before use on work).</p> <p>Stage -1 : Spraying Anti –termite chemical solution for the foundation before laying concrete, in bottom and sides of foundation.</p> <p>Stage-2 : Spraying Anti –termite chemical solution to the grade beam level, spraying has to done for to grade beam brick masonry contact with the back fill earth.</p> <p>Stage-3 : Spraying Anti –termite chemical solution on the sand for the flooring before laying the flooring concrete. This treatment has to be carried out and sand filling by making holes with crow bar to a depth of 60cms and at 60cms intervals on both direction and at junction of wall and flooring throughout.</p> <p>Stage -4 : Spraying Anti –termite chemical solution alround building outside by making holes with crow bar before laying plinth protection and the holes to be close after the treatment.</p>			1 M ² (One square metre)	
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7	16 Rm (Sixteen running meter)	Fabricating supplying and fixing in position CRCA pressed steel box section 18 gauge or 1.25mm thick for door frames of section size 105mmx60mm with thick with necessary rebate of size 35x12mm 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.	30(S) 86 86 A V, VI (S3) VII		1 Rm (One running metre)	
8		Supplying and fixing in postion of 35mm thick solid core flush door shutters single Leaf with following specification. 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. 150 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.	SS86& 86A V, VI (S3) (S6) VII			
a	1.75 M ² (One point seven five square metres)	single Leaf door	31 & similar to 31C V, VI (S5) VII		1 M ² (One square metre)	

b	4.55 M ² (Four point five five square metres)	Double leaf door			1 M ² (One square metre)	
9		Supplying and fixing in position FRP door shutter with FRP door Frames made out of FRP Sheets of 3 mm thick of over all size 65 mm x 50 mm with rebate suitably reinforced using MS Angles / Flats, cost of hold fasts and solid core FRP shutter panel of 5mm thick and hollow core frames of 3 m wall thickness for styles and rails etc. of sizes specified by Engineers.complete complying with standard specification and as directed by the departmental officers.				
a	3.44 M ² (Three point four four square metres)	FRP door shutter	31 & similar to 31C V, VI (S5) VII		1 M ² (One square metre)	

10	1.10 M ² (One point one zero square metres)	Supplying and fixing in position Glazed steel louvered ventilator with Side/Central hung shutters(Two Leaves) frames and made shutter frame made out of steel section conforming to IS 7452 /1990.The outer frame made out of z section (F7D) of size 33 x22 x3 mm conforming to IS 7452/1990.The mullions are made out of (F4B) section of size 46x25x3 mm and conforming to IS7452/1990. The shutter section one rigidly fixed with outer frame section with fixing brackets of sufficient length are provided for each shutter 4 nos of 40 x 40 x 3 mm angle hold fast 230mm length are welded with the frame at appropriate point M.S Square bars of 12 mm dia is welded to the inner face of the ventilator at equal intervals not exceeding 10 cm spacing 3mm pin headed glass is used for Glazing with good quality and fixed with 15 x 12 mm teak wood beadings with screws for fixing including one coat of red oxide primer for steel section etc., complete complying with standard specification. The ventilator should be got approved by the Executive Engineer before use on work.			1 M ² (One square metre)	
11	2.10 M ² (Two point one zero square metres)	Manufacturing, supplying and fixing of STEEL SHEETED DOOR with the following specification M.S.angles of size 40x40x6mm at 3.5 KG/m are used for the outer frames and M.S.angles of size 35x35x5mm at 2.60 Kg/m for the shutter frames. Stiffeners with 32x6mm at 1.50 Kg/m. M.S.flat is provided as the lock rail of the door and welded intact of both ends to the shutter frame 18 gauge .R.sheet of best quality is laid as panel in the shutter frames, and welded intact, M.S.flat 18x5mm at 0.0 Kg/m MS flat is welded over the 32x6mm at 1.50 Kg /RM and M.S.flat on the rear side of the door sandwiching the C.R.sheet for rigidity with locking rail and bottom tile arrangements in between additional stiffeners with 18x5mm at 0.70 Kg/m M.S.flat is provided diagonally on the rear side of the shutter 2 Nos. of hinges in case of single leaf and 4Nos. of hinges in double leaf shutter is provided 6 Nos. of hold fasts 200mm in length 40x40x6mm M.S.angle tower bolt 2 Nos. one at top and the other at the bottom			1 M ² (One square metre)	

12	645 Kg (Six hundred and fourty five Kilo gram)	Fabricating, Supplying and fixing mild steel grill /door of various sizes including required steel outer frames conforming to ISI.specifications and as per the designs furnished and as directed by the Departmental Officers, including one coat of red oxide primer.The rate is inclusive of cost of all materials, taxes,labour charges, for fabrication,welding charges, finishing, assemble condition at site, fixing in position.	SS 56 & 57		1 kg (One Kilo gram)	
13	122 M ² (One hundred and Twenty two square metres)	Manufacturing and supplying the M.S.weldmesh grill in position as directed by the Departmental officers with necessary columns bolt and nts etc., complet. The weldmesh grill made out of 25x25x6mm M.S.angles as outer frame alround with 20mmx3mm M.S.flat welded bot horizontally and vertically and stiffeners as per required design the taotal surface (0.50m. centre to centre) and covered and welded with 3"x1" weldesh of10x6G grinding and smoothing and entire welded portion conveying the finished materials to the work site and fixing them in position with required clamps, bolt and nuts including the labour charges for drilling the project portion of R.R.masonry to neat the frame of weldmesh work removing the R.R.stone or drilling the required of size of R.R.masonry to neat the frame of weldmesh work plumb filling upto holes with C.C. 1:2:4 finishing disturbed portion with cement mortar 1:5 plastering curing the cement work for requiring point including cost of cement jelly sand water and painting one entire surface	SS 56 & 57		1 M ² (One square metre)	

14	256 M ³ (Two hundred and fifty six cubic metres)	Finishing the floor with New vitrified tiles (like Marbonite or equivalent) of approved quality and colour of size 600 x 600x 10 mm thickness in all floors over a base layer of cement mortar 1:3 (one cement and three sand) 20mm thick 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 tiles should be got approved by the Departmental officers before use on works).	Spl		1 M ³ (One cubic metre)	
15	102 M ² (One hundred and two square metres)	Paving the floor with designed coloured glazed ceramic tiles of size 305x305x6mm of approved quality and colour for flooring in all floors over a base layer of cement mortar 1:3 (One cement and three m sand) 20mm thick and pointing with white cement using 0.30 kg of white cement per square metre including adding suitable colour pigments to suit the colour of tiles 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 as directed by the departmental officers complete complying with standard specification. The tiles should be got approved by the departmental officers before use on work.	Spl		1 M ² (One square metre)	
16	150 M ² (One hundred and fifty square metres)	Dadoing the walls with colour glazed tiles of size 300mmx 200mmx 6mm of approved quality set in cement mortar 1:2 mix (one cement & two m-sand) 10mm thick and pointing with same coloured cement using 0.40kg/m ² including finishing the joints neatly finish in the surface etc., complete complying with standard specifications and as directed by the Departmental Officers. (The tiles used on the works should be got approved by Executive Engineer before use on the work).	Spl		1 M ² (One square metre)	

17	21 M ² (Twenty one square metres)	Providing granolithic floor finish of following thickness with plain cement concrete of mix 1:2:4 (One cement, two M-sand and four aggregate) using 20mm / 10 to 12mm ISS gauge hard broken granite stone including finishing the top smooth and forming thread lining and curing etc., complete complying with standard specification and as directed by the Departmental officers. (The rate is inclusive of necessary and as directed by the departmental officers.)	Spl		1 M ² (One square metre)	
18	68 Rm (Sixty eight running meter)	Supplying and fixing in position best approved of ISI quality of following 110mm dia 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.	SPI		1 Rm (One running metre)	
19	209 M ² (Two hundred and nine square metres)	Cleaning the pressed tiles surface fro alage and dust using water, and pointing wherever necessary with using NITO BOND (OR) SBR by FOSROC make with mixing of white cement, using pressure grouting including replacing damaged pressed tiles if any with new tiles. The entire tiles surface then should be applied three coats of water proofing coats using NITO BOND AR (or) SBR mixed with water at proper ratio including one coat of primer and two coats of milk white colour polumer on the surface as well as fixing membrane in each and every wall floor joints followed by one extra coat of polymer (green seal make) including all labour, cost of materials etc., complete as directed by the departmental officers.	23 & 24 V, VI S2		1 M ² (One square metre)	

20	320 M ² (Three hundred and twenty square metres)	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.	Spl		1 M ² (One square metre)	
21	243 M ² (Two hundred and Fourty three 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.	Spl		1 M ² (One square metre)	
22	290 M ² (Two hundred and ninty square metres)	Plastering with cement mortar 1:3 (one cement and three sand) 12mm thick with WPC 2% by weight of cement used in all floors using fine river sand including neat finishing, curing, etc., complete complying with standard specification and as directed by the department officers.	Spl		1 M ² (One square metre)	
23	5300 M ² (Five thousand three hundred square metres)	White washing two coat with freshly burnt white shell lime in all floors including cost of lime, blue powder fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed.	Spl		1 M ² (One square metre)	

24	6005 M ² (Six thousand and five square metres)	Supplying and 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.			1 M ² (One square metre)	
25	4900 M ² (Four thousand nine hundred square metres)	Painting two coats of newly plastered wall surface with ready mixed Anti funguses cum water replent 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.			1 M ² (One square metre)	
26	885 M ² (Eight hundred and eighty five 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)	
27	654 M ² (Six hundred and fifty four 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)	

28	6.50 M ³ (Six point five zero cubic meter)	Plain Cement concrete 1:2:4 (one cement, two M-sand and four aggregate) using 20mm gauge hard broken blue granite stone jelly for flooring, 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.			1 M ³ (One cubic metre)	
29	115 M ² (One hundred and fifteen square metres)	Manufactureing, supplying and Fixing RCC precast slab of 50mm thickness in reinforced cement concrete 1:2:4 (One of cement, two of M-sand and four of aggregate) using 20mm hard broken stone jelly and river sand, excluding the cost of reinforcement grills and including fabrication charges, moulding, curing, finishing charges and fixing in position neatly etc., complete complying with standard specification and as directed by the departmental officers.			1 M ² (One square metre)	
30	142 M ² (One hundred and fourty two square metres)	Manufactureing, supplying and Fixing plain cement concrete precast pavement slab of size 450mm x 450mm of 50mm thickness in cement concrete 1:2:4 (One of cement, two of sand and four of aggregate) using 20mm hard broken granite stone jelly and river sand, excluding the cost of reinforcement grills and including fabrication charges, moulding, curing, finishing charges and pointing the slab with CM 1:3 (One cement and three sand to full depth of slab etc., complete complying with standard specification and as directed by the departmental officers.			1 M ² (One square metre)	
31	3 Qtl (Three quintal)	Supplying, fabricating and placing in position Mild steel / Ribbed tor steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (contractor has to make his own arrangements for the supply of steel and binding wire)			1 Qtl (One quintal)	

32	1284 M ² (One thousand two hundred and eighty four square metres)	Supplying and laying of 63 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)	
33		Supplying, laying and jointing GI pipes (Having working pressure 10 KG / sq.cm) of approved and best variety conforming BIS of the following sizes including, cutting and threading of GI Pipes, fixing specials using GI adhesive (but excluding cost of such specials) and fixing to wall with necessary teak wood plugs, U PVC clamps and screws making holes on the wall (or) drilling holes in roof and making good the dismantled portion to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. The GI Pipes should be got approved by the Departmental Officers before use on work.				
a	60 Rm (Sixty running meter)	32 mm dia GI pipe			1 Rm (One running meter)	

34		Supplying, laying and jointing GI pipes (Having working pressure 10 KG / sq.cm) GI pipe of approved quality (B class) of approved and best variety conforming BIS of the following sizes including, cutting and threading of GI Pipes, fixing specials using GI adhesive (but excluding cost of such specials) and fixing to wall with necessary teak wood plugs, U PVC clamps and screws making holes on the wall (or) drilling holes in roof and making good the dismantled portion to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. The GI Pipes should be got approved by the Departmental Officers before use on work.				
		Above ground level				
a	63 Rm (Sixty three running meter)	32 mm dia GI pipe (Internal)			1 Rm (One running meter)	
b	100 Rm (One hundred running meter)	25 mm dia GI pipe (Internal)			1 Rm (One running meter)	
c	75 Rm (Seventy five running meter)	20 mm dia GI pipe (Internal)			1 Rm (One running meter)	

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				
a	2 Nos (Two number)	32 mm dia GM wheel valve			1 No (Each)	
b	3 Nos (Three number)	25 mm dia GM wheel valve			1 No (Each)	
36		Supplying and fixing in position of the following G.I specials of heavy type best approved quality and good variety excluding fixing charges but including necessary cutting and threading of GI pippes, jointing the GI specials and painting with two coats with good varieyy and besy 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 specifications. -(The GI specials should be got approved from the Executive Engineer before use on works)				

a	12 Nos (Twelve number)	32 mm dia GI Elbow			1 No (Each)	
b	10 Nos (Ten number)	32 mm dia GI Tee			1 No (Each)	
c	12 Nos (Twelve number)	32 mm dia GI Union			1 No (Each)	
d	15 Nos (Fifteen number)	25 mm dia GI Elbow			1 No (Each)	
e	15 Nos (Fifteen number)	20 mm dia GI Elbow			1 No (Each)	

f	15 Nos (Fifteen number)	20mm x 15mm GI Reducer Elbow			1 No (Each)	
g	8 Nos (Eight number)	25mm x 20mm GI Reducer			1 No (Each)	
h	6 Nos (Six number)	32mm x 25mm GI Reducer			1 No (Each)	
37	15 Nos (Fifteen number)	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)			1 No (Each)	

38	4 Nos (Four number)	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)			1 No (Each)	
39	2 Nos (Two number)	Supplying and fixing in position Indian make bevelled edge mirror of approved quality and brand of size 600x450mm thick with necessary plastic back, PVC frame with bottom stand of approved colour with brass screws, rawal plugs etc. complete complying with standard specification and as directed by the departmental officers. (The materials should be got approved by the departmental officers before use on works)			1 No (Each)	
40		Supplying,& fixing PVC soil / waste pipes of approved and best variety conforming to IS. Specification with ISI. mark of the following sizes including, cutting and threading of PVC Pipes, fixing specials but excluding cost of such specials but including fixing to wall with necessary teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in roof and making good the dismantled portion to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. The PVC Pipes should be got approved by the Departmental Officers before use on work. Below ground level .				

a	63 Rm (Sixty three running meter)	110mm dia PVC pipe			1 Rm (One running meter)	
b	26 Rm (Twenty six running meter)	75mm dia PVC pipe			1 Rm (One running meter)	
41		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., i 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	14 Nos (Fourteen number)	110mm dia PVC door Bend			1 No (Each)	
b	6 Nos (Six numbers)	110mm dia PVC door Tee			1 No (Each)	

c	6 Nos (Six numbers)	110mm dia PVC 'Y'			1 No (Each)	
d	5 Nos (Five number)	110mm dia PVC cowl			1 No (Each)	
e	8 Nos (Eight number)	75mm dia PVC door Bend			1 No (Each)	
f	6 Nos (Six numbers)	75mm dia PVC door Tee			1 No (Each)	
g	4 Nos (Four number)	75mm dia PVC 'Y'			1 No (Each)	

42	6 Nos (Six number)	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)			1 No (Each)	
43	1 No (One number)	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 12.50 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.)				

44	4 Nos (Four number)	Supplying and fixing in position of Indian make white / colour glazed earthen ware lipped mouth flat back Urinal of best approved quality make of size 430mm x 260mm x 350mm with GI pipe, 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)			1 No (Each)	
45	1 No (One number)	Supplying and fixing Stainless steel health faucet of best quality with control valve etc., complete complying with standard specification and as directed by the departmental officers (The materials should be got approved by the Executive Engineer before use on works).			1 No (Each)	
46	2 Nos (Two number)	Supplying and Fixing of PVC ready made water tank 1000 litres capacity of approved quality with standard specification and best brand including testing for leakages after making installations and connections. The cost inclusive of lid and lock with bolt and nuts for PVC tank, transportation, loading, unloading, lifting, installation and necessary connections etc., complete complying with standard specifications and as directed by the departmental officers. (The PVC Water Tank should be got approved by the Executive Engineer before use on works).	Spl		1 No (Each)	
				Total		
				GST 12%		
				GRAND TOTAL		
		46 Items (Forty six items only)				