

NAME OF WORK :		Special maintenance and repair works in MVM Government Arts College for women at Dindigul.				
Schedule - A						
EMD: Rs. 52500/-					Date of Tender: 20.04.2022	
1	143 M ² (One hundred and fourty three square metres)	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of Floor tiles in cement Mortar with glazed tiles etc., complete complying with standard specification and as directed by the departmental officer.	23 & 24 V, VI S2		1 M ² (One square metre)	
2	805.53 M ² (Eight hundred and five point five three square metres)	Dismantling the damaged granolithic floor finish and clearing away the same 50m away from the site and roughening the surface etc. complete complying with standard specification and as directed by the departmental officers.	24 & 25 V, VI S2		1 M ² (One square metre)	
3	15 M ³ (Fifteen 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.	24 & 25 V, VI S2		1 M ³ (One cubic metre)	

4	34 M ³ (Thirty four cubic metres)	Earthwork Open excavation 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.	24 & 25 V, VI S2		1 M ³ (One cubic metre)	
5	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.	24 & 25 V, VI S2		1 M ³ (One cubic metre)	
6	0.50 M ³ (Zero point five zero 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.	30(S) 86 86 A V, VI (S3) VII		1 M ³ (One cubic metre)	
7		Brick work in cement mortar 1:5 (one cement and five sand) using Third class kiln burnt country bricks of size 8 3/4 "x 4 1/4 x 2 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).	30(S) 86 86 A V, VI (S3) VII			

a	27 M ³ (Twenty seven cubic metres)	For Foundation and basement			1 M ³ (One cubic metre)	
8	11 M ³ (Eleven 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.			1 M ³ (One cubic metre)	
9	4 M ³ (Four cubic metres)	Supplying and filling of 40mm HGBS jelly by lorry in basement filling including conveyance loading and unloading charges and all other incidental charges filling laying watering and consolidation etc., complete as directed by the Dept., Officers with standard specification.	28 VI.8.2.8 .3. VI (S5A) 4.2.1.3		1 M ³ (One cubic metre)	
10	10 RM (Ten running meter)	Supplying, laying and jointing glazed stoneware pipes of approved brand and quality with spigot and socket ends in dry conditions of stoneware pipe with water tight joints with necessary earthwork excavation to the required depth with spunyarn and loose joints laying in true alignment and gradient and conducting required water test with necessary tools and plant etc., complete complying with standard specification and as directed by the departmental officers. (The Stone ware pipe should be got approved by the departmental officer before use on works).100mm dia pipe	SS86& 86A V, VI (S3) (S6) VII		1 RM (One running metre)	

11	6 Nos (Six number)	Construction of Inspection chamber in Brick work using 8 3/4 x 4 1/4 x 2 3/4 III class country Brick with a clear of size 0.60 x 0.60 x 0.78m to a thickness of 0.23m in cm 1:4 over the CC 1:5:10 using 40mm kg HBSJ walls to a thickness of 0.23m and 1.12mx1.12m size and sand filling to a size of 1.12mx1.12m to a depth of 0.12m with necessary earthwork excavation of size 1.12mx1.12mx1.20m(Depth) including plastering the wall to a height of 0.78m inside the chamber and 0.55m on outer wall and top surface of the chamber and forming channel in the bottom of chamber and forming channel in the bottom of chamber and forming in CC 1:3:6 using brick jelly of 20mm size also including necessary RCC cover slab with necessary steel Reinforcement etc.,complete.	31 & similar to 31C V, VI (S5) VII		1 No. (Each)	
12	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).	SS 56 & 57		1 No. (Each)	
13	232 M ² (Two hundred and Thirty two 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.	SS 56 & 57		1 M ² (One square metre)	

14	27 M ² (Twenty seven square metres)	Plastering with cement mortar 1:3 (one cement and three P- 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.	SS 56 & 57		1 M ² (One square metre)	
15	183 M ² (one hundred and eighty three 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.	Spl		1 M ² (One square metre)	
16		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 M.S.sheets of size 90cmx60cm B.G. 10 stiffened with mild steel angles of size 25x25x3mm for boarding laid over silver oak joists of size 10x6.5cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia spaced at 75cm centre to centre at suitable intervals etc. complete complying with standard specification.(The payment for centering shall be made only after the concrete is laid) The retrieved materials should be taken back by the contractor)	Spl			

a	5 M ² (Five square metres)	Plane surface such as RCC floor slab, roof slab, rectangular square Tee or ELL beam, lintels, staircase waist slab, landing slab, landing beams, potico beams, portico slab etc.			1 M ² (One square metre)	
17		Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance using with IS:456-2000, 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m ³ and maximum water cement ratio of 0.55, 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 (5cu.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 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).				
a	0.60 M ³ (Zero point Six zero cubic metres)	For Foundation and basement			1 M ³ (One cubic metre)	

18	0.51 Qtl (Zero point five one quintal)	Supplying, fabricating and placing in position Mild steel / Ribbed tor steel grillls 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)	Spl		1 Qtl (One quintal)	
19	18 M ² (Eighteen square metres)	Supply and Fixing of M.S. steel doors with Single leaf 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 sandwiching 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.	Spl		1 M ² (One square metre)	

		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.				
20	26 M ² (Twenty six square metres)	Supplying and fixing in position of Aluminium anodised colour matt finish openable cupboard of size 1.20 x 2.10 m in all floors fixed with 12mm thick prelaminated particle board (Exterior grade) the outer frame of section 38 x 33 x 2.12 mm @ 0.706 kg/m, shutter frame of 38.5 x 33 x 3 mm @ 0.706 kg/m, Interlocking mullion vertical section of 59 x 33 x 2.5 mm @ 1.135 kg/m. The shutter is fixed with 6 nos. Aluminium hinges, 100 x 30 mm of 2 nos. D type handle 100mm long and 2 nos. of cupboard lock etc, eith necessary furniture fittings including cost of labours, power consumption charges required for fabrication including necessary chipping, dismantling and making necessary holes in the RCC colimns beams, masonry etc., with power drill to the required depth and redoing the same to the original condition after fixing etc., complete complying with standard specification.	Spl		1 M ² (One square metre)	

21	986 M ² (Nine hundred and eighty six square metres)	Paving the floor with 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).	SS 56 & 57		1 M ² (One square metre)	
22	34 M ² (Thirty four square metres)	Paving the floor with colour design glazed ceramic tiles of approved quality and colour of size 600 x 600 x 10mm 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).	SPI		1 M ² (One square metre)	
23	207 M ² (Two hundred and seven square metres)	Painting the walls two coats with first quality cement paint of over one coat of primer including preparation of surface two coats with good quality including cost of emmery sheet, plates, etc. and including labour charges for rubbing the wall scrapping, good smooth surface and finishing neatly , quality and brand including preparation of surface etc. complying with standard specification and as directed by the departmental officers etc. complete	Spl		1 M ² (One square metre)	

24	9925 M ² (Nine thousand nine hundred and twenty five square metres)	Painting two coats of wall surface with 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.	SS 56 & 57		1 M ² (One square metre)	
25	22700 M ² (Twenty two thousand seven 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.	Spl		1 M ² (One square metre)	
26	10255 M ² (Ten thousand two hundred and fifty five square metres)	White washing two coats 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)	
27	850 M ² (Eight hundred and fiftysquare metres)	Painting the old iron work with one 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).	Spl		1 M ² (One square metre)	

28	750 M ² (Seven hundred and fifty square metres)	Painting the old wood work two coats with best approved first quality and colour of synthetic enamel paint over a priming coat of approved quality in all floors including cost of paint, labour and other materials like brushes, putty and scaffolding charges etc., complete complying with standard specification and as directed by the departmental officers. (The make quality and colour of paint should be got approved by the departmental officer before use on work).	Spl		1 M ² (One square metre)	
29	190 M ² (One hundred and Ninety square metres)	Providing and laying 60mm thick interlocking paver blocks of approved shape hydraulically compressed cement concrete blocks of crushing strength not less than 300kg /sq cm by filling and levelling with natural grey colour blocks and borders / markings / design with Terracotta colour blocks as per the approved pattern including preparation of sub grade with bottom layer of sand cushion for 50mm thick and placing the blocks for interlocking and grooting with sand including vibrating the surface with mechanical surface vibrators etc.,complete as directed by the departmental officer etc. complete complying with standard specification. (The rate is inclusive of cost of all the materials labour charges, transportation of material loading & unloading etc.)	Spl		1 M ² (One square metre)	
30	12 Nos (Twelve 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 alround 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)	

31	10 Nos (Ten numbers)	Supplying and fixing in position White 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.)	Spl		1 No. (Each)	
32	259 RM (Two hundred and fifty nine 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.	Spl		1 RM (One running metre)	
				TOTAL		
				GST		
				GRAND TOTAL		
		32 Items (Thirty two items only)				