

BILL OF QUANTITIES

The approximate Bill of Quantities is indicated below to give an idea of the work which should be executed in accordance with the approved drawings and specifications to enable the bidder to furnish the lump sum price. Bidders may, however, note that no variations in the lump sum cost is acceptable (except where extra items are ordered by the Engineer).

Item No	Probable Quantity	Description of work	T.N. B.P. No:	Departmental Rate (in Figures and in words)	Unit of Calculation (in figures and in words)	Amount in Rs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	63.00 M ³ (Sixty three cubic metres only)	Earth work excavation(Narrow) for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification.	SS. 23&24	Rs. 172.15 (Rupees one hundred and seventy two and Paise fifteen only)	1M ³ (One cubic metre only)	10845.45
2	47.00 M ³ (Forty seven cubic metres only)	Earth work open excavation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 mts. within the compound in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.	SS 23&24	Rs. 80.55 (Rupees eighty and paise fifty five only)	1M ³ (One cubic metre only)	3785.85
3	15.00 M ³ (Fifteen cubic metres only)	ReFilling in basement with EXCAVATED EARTH in layers of not more than 15cmthick, well rammed, watered and consolidated, complying with standard specification etc., complete.	SS.24& 25	Rs. 33.60 (Rupees thirty three and paise sixty only)	1M ³ (One cubic metre only)	504.00

Contractor

(Sd)/---
Executive Engineer, WRD
Lower Bhavani Basin Division Erode.2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
4	11.00 M ³ (Eleven cubic metres only)	Supplying and filling Conveyed Gravel with a lead of 15km in layers of not more than 15cm thick well mixed watered, rammed and consolidated complying with standard specification etc	SS.24&25	Rs. 305.55 (Rupees three hundred and five and paise fifty five only)	1M ³ (One cubic metre only)	3361.05
5	12.00 M ³ (Twelve cubic metres only)	SUPPLYING AND FILLING IN FOUNDATION and BASEMENT WITH FILLING crushed stone sand in layers of not more than 15cm thick well rammed watered and compacted etc., complete complying with standard specification and as directed by the departmental officers.	SS.24&25	Rs. 1598.00 (Rupees one thousand five hundred and ninety eight only)	1M ³ (One cubic metre only)	19176.00
6	7.00 M ³ (Seven cubic metres only)	Supplying and filling 40mm gauge HBGS stone jelly for dispersion trench including loading conveying and unloading and as directed by the departmental officers etc. complete complying with standard specification.	Special	Rs. 1188.80 (Rupees one thousand one hundred and eighty eight and paise eighty only)	1M ³ (One cubic metre only)	8321.60
7	8.00 M ³ (Eight cubic metres only)	Supplying and filling 20mm gauge HBGS stone jelly for dispersion trench including loading conveying and unloading and as directed by the departmental officers etc. complete complying with standard specification.	Special	Rs. 1591.80 (Rupees one thousand five hundred and ninety one and paise eighty only)	1M ³ (One cubic metre only)	12734.40
8	14.00 M ³ (Fourteen cubic metres only)	CEMENT CONCRETE 1:5:10 (One cement, five crushed stone sand and ten aggregate) using 40mm gauge hard broken granite stone jelly for FOUNDATION including dewatering if found necessary and laid in layers of not more than 15cmthick, complying with standard specification.	SS. 28	Rs. 4370.50 (Rupees four thousand three hundred and seventy and paise fifty only)	1m ³ (One cubic metre only)	61187.00

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Contractor

Executive Engineer, WRD,
Lower Bhavani Basin Division Erode.2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
9	0.70 M ³ (Zero point seven zero cubic metres only)	Cement Concrete 1:3:6 (One Cement, Three M- sand and Six broken stone jelly) using 20mm size hard broken stone jelly for dummy columns, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete. (Reinforced Cement Concrete 1:2:4 for slab to be extended upto top of splashing with pressed tiles and future extension rods to be embedded in CC 1:3:6 (One Cement, Three M-Sand and Six hard broken stone jelly). Dummy columns should be at least 1 metre height)	SS.28	Rs. 5351.45 (Rupees five thousand three hundred and fifty one and paise forty five only)	1M ³ (One cubic only)	3746.02
10	0.50 M ³ (Zero point five zero cubic metres only)	Plain Cement Concrete 1:2:4 (one cement, two M-sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specificatins and as directed by the departmental officers.	SS. 28	Rs. 5891.80 (Rupees five thousand eight hundred and ninety one and paise eighty only)	1M ³ (One cubic only)	2945.90
11	7.00 M ³ (Seven cubic metres only)	Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete as per standard specification and as directed by the departmental officers.	SS31B &27	Rs. 3511.50 (Rupees three thousand five hundred and eleven and paise fifty only)	1M ³ (One cubic metre only)	24580.50

Contractor

(Sd)/---
Executive Engineer, WRD,
Lower Bhavani Basin Division Erode.2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
12		Providing and laying in position, standardised concrete Mix M-20 Grade in accordance using 20mm 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, retard setting of concrete, improve workability without impairing strength and durability with above (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 crushed stone 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).	SS30V			
a	15.00 M ³ (Fifteen cubic metres only)	For Foundation & Basement		Rs. 7193.70 (Rupees seven thousand one hundred and ninety three and paise seventy only)	1M ³ (One cubic metre only)	107905.50
b	23.00 M ³ (Twenty three cubic metres only)	For Ground Floor		Rs. 7297.00 (Rupees seven thousand two hundred and ninety seven only)	1M ³ (One cubic metre only)	167831.00

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Contractor

Executive Engineer, WRD,
Lower Bhavani Basin Division Erode.2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
13	53.00 M ² (Fifty three square metres only)	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)	SS.86& 86A	Rs. 737.70 (Rupees seven hundred and thirty seven and paise seventy only)	1M ² (One square metre only)	39098.10
14		Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specifcaiton. (Payment for centering shall be given after the concrete is laid)	SS.86& 86A			

Contractor

(Sd)/---
Executive Engineer, WRD,
Lower Bhavani Basin Division Erode.2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
a)	226.00 M ² (Two hundred and twenty six Square metres only)	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.		Rs. 913.00 (Rupees nine hundred and thirteen only)	1M ² (One square metre only)	206338.00
b)	125.00 M ² (One hundred and twenty five Square metres only)	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.		Rs. 996.00 (Rupees nine hundred and ninety six only)	1M ² (One square metre only)	124500.00
15	42.00 Qtl (Forty two quintal only)	Supplying, fabricating and placing in position of steel reinforcement using Mild Steel / Ribbed Tor Steel rods for all RCC works as per the design given including cost of steel and binding wire in all floors complying with standard specification and as directed by the departmental officers..	SS86& 86A	Rs. 7839.80 (Rupees seven thousand eight hundred and thirty nine and paise eighty only)	1Qtl (One quintal only)	329271.60
16		Brick work using Country Bricks of size 8-3/4" x 4-1/4" X2-3/4"" in Cement Mortar 1:5 (One cement and five M-sand) including curing neat finishing, etc., complete complying with standard specification.	SS31& 31C			
a)	11.00 M ³ (Eleven cubic metres only)	For foundation & basement		Rs. 5393.60 (Rupees five thousand three hundred and ninety three and paise sixty only)	1M ³ (One cubic metre only)	59329.60

Contractor

(Sd)/---
Executive Engineer, WRD,
Lower Bhavani Basin Division Erode.2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
b)	23.00 M ³ (Twenty three cubic metres only)	For Ground floor		Rs. 5461.60 (Rupees five thousand four hundred and sixty one and paise sixty only)	1M ³ (One cubic metre only)	125616.80
c)	5.00 M ³ (Five cubic metres only)	For First floor		Rs. 5598.80 (Rupees five thousand five hundred and ninety eight and paise eighty only)	1M ³ (One cubic metre only)	27994.00
17		Brick work using using Country Bricks of size 8-3/4" x 4-1/4" X2-3/4" in Cement Mortar 1:3 (One cement and three M- sand) including curing neat finishing, etc., complete complying with standard specification.	SS31&31C			
a)	8.00 M ³ (Eight cubic metres only)	For foundation & basement		Rs. 5264.60 (Rupees five thousand two hundred and sixty four and paise sixty only)	1M ³ (One cubic metre only)	42116.80
18		Brick partition walls using best quality using Country Bricks of size 8-3/4" x 4-1/4" X2-3/4" 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)	SS31&31C			

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
a)	72.00 M ² (Seventy two square metres only)	For Ground floor		Rs. 662.00 (Rupees six hundred and sixty two only)	1M ² (One square metre only)	47664.00
19	790.00 M ² (Seven hundred and ninety square metres only)	Plastering with Cement Mortar 1:5 (One cement and Five P-sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.	SS. 56 & 57	Rs. 221.40 (Rupees two hundred and twenty one and paise forty only)	1M ² (One square metre only)	174906.00
20	29.00 M ² (Twenty nine square metres only)	Plastering with Cement Mortar 1:3 (One Cement and Three P-Sand) 12 mm thick mixed with water proofing compound conforming to BIS at 2% by weight of cement used including finishing, curing, etc., complete in all floors complying with standard specification and as directed by the departmental officers.	SS. 56 & 57	Rs. 243.10 (Rupees two hundred and forty three and paise ten only)	1M ² (One square metre only)	7049.90
21	137.00 M ² (One hundred and thirty seven square metres only)	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, 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, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the departmental officers	SS. 56 & 57	Rs. 252.90 (Rupees two hundred and fifty two and paise ninety only)	1M ² (One square metre only)	34647.30

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
22	330.00 Kg (Three hundred and thirty kilogram only)	Supplying, and fixing M.S. GRILLS for open courtyard grill, grill work to doors, windows and ventilators etc, using necessary flats for inner and outer members which should be fixed or welded to masonry or column including necessary dismantling or making holes and redoing the same to original condition as directed by the departmental officers inclusive of cost of providing one coat of best quality red oxide primer complete complying with standard specifications..	Special	Rs. 109.90 (Rupees one hundred and nine and paise ninety only)	1Kg (One Kilogram only)	36267.00
23	22.00 M ² (Twenty two square metres only)	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 direct.	Special	Rs. 469.55 (Rupees four hundred and sixty nine and paise fifty five only)	1M ² (One square metre only)	10330.10
24	83.00 M ² (Eighty three square metres only)	Finishing the top of roof with one course of machine pressed tiles of size 230mm x 230mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three M-Sand) 12mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete complying with standard specification and as directed by the departmental officers	44 H V, VII (S5A) VII, 3	Rs. 1077.45 (Rupees one thousand and seventy seven and paise forty five only)	1M ² (One square metre only)	89428.35
25	76.00 M ² (Seventy six square metres only)	Paving the floor with best quality Stain free Nano polished Vertified 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)	Special	Rs. 1059.15 (Rupees one thousand and fifty nine and paise fifteen only)	1M ² (One square metre only)	80495.40

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
26	6.00 M ² (Six square metres only)	Flooring with first quality Ceramic tiles of approved quality and colour of size 305x305x6 mm in all floors over 20mm thick cement mortar 1:3 (one cement and three M-sand) base above the existing bed concrete and pointing with same colour cement added with colouring pigments at 0.40 kg/m ² etc., complete complying with standard specification.	SS41B General	Rs. 933.20 (Rupees nine hundred and thirty three and paise twenty only)	1M ² (One square metre only)	5599.20
27	42.00 M ² (Forty two square metres only)	Dadoing walls with following best approved quality, size 300mm x 450mm x 6mm colour glazed tiles of following sizes set in Cement Mortar 1:2 (One Cement and Two M-sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors, curing, etc., complying with standard specification and as directed by the departmental officers.	Special	Rs. 1249.45 (Rupees one thousand two hundred and forty nine and paise forty five only)	1M ² (One square metre only)	52476.90
28	3.50 M ² (Three point five zero square metres only)	Paving the floor with pre-polished concrete anti-skid step tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three crushed stone M-sand) 20mm 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)	Special	Rs. 1227.20 (Rupees one thousand two hundred and twenty seven and paise twenty only)	1M ² (One square metre only)	4295.20

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
29	23.00 RM (Twenty three Running metres only)	supplying and fixing of Hallow pressed steel door frames for single leaf and double leafed door using pressed steel frame of size 100x60mm using mild sheet of 1.00mm thick (18gauge) special profile extruded section.The pressed steel frame should be as per IS4351/1976.The rate in inclusive of bottom thehold fasts and provision to aldrop tower bolt hinges and lock plate etc,with one coat of zinc chromate yellow primer and filling the inside hallow portion with cement concrete 1:2:4 using 20mm HBG stone jelly etc,complete complying with standard specification.	Special	Rs. 946.10 (Rupees nine hundred and forty six and paise ten only)	1RM (One Running metre only)	21760.30
30		Supplying and fixing Medium density fibre board of exterior grade 35mm thick double leaves door shutter conforming to I.S. 12406 / 1989 with external teak wood lipping of size 35x12mm on all edges with necessary adhesive and C.P. Screws, including fixing for aldrop, tower bolt,hinges and lock strike plates, putty, fevical ,painting the teak wood lipping etc., and including the cost of aluminium hinges 125x30mm size - 6Nos. aluminium aldrop of size - 250x16 mm - 1No. Aluminium tower bolt of size 250x12mm - 2Nos. tower bolt of size 200x12mm - 1No, D type aluminium handle of size 200mm-2Nos., aluminium door stopper with nylon bush - 2Nos. shall be provided.The cost is inclusive of rebate cutting for the shutter. All aluminium furniture fittings are to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868 / 1968 for anodic film thickness of not less than 15 microns. The rate is inclusive of cost of fevical fixing charges, transportation, loading, unloading all other incidental charges and handling charges etc., complete complying with standard specification.	Special			
a)	7.60 M ² (Seven point six zero square metres only)	Double leaf door		Rs. 3197.20 (Rupees three thousand one hundred and ninety seven and paise twenty only)	1M ² (One square metre only)	24298.72
31	6.30 M ² (Six point three zero square metres only)	Supplying and fixing in position of Solid PVC DOOR SHUTTERS using 19 gauge 19 mm MS Sq tubes for styles and outer frames. 15 mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5 mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including nessary furniture and fittings. The overall size of styles shall be 50 X 30 mm. The overall size of top rail, lock rail and bottom rail shall be 75 X 30 mm.The overall size of frames shall be 50 X 45 mm, with suitable rabate for housing the shutterstandard specification and as directed by the departmental officers.	Special	Rs. 3167.00 (Rupees three thousand one hundred and sixty seven only)	1M ² (One square metre only)	19952.10

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
32	11.60 M ² (Eleven point six zero square metres only)	Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work	Special	Rs. 7126.00 (Rupees seven thousand one hundred and twenty six only)	1M ² (One square metre only)	82661.60
33	1.50 M ² (One point five zero square metres only)	Specification: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work	Special	Rs. 7720.00 (Rupees seven thousand seven hundred and twenty only)	1M ² (One square metre only)	11580.00

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
34		Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of following thickness in RCC 1:2:4 (one cement, two M-sand and four aggregates), using following HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification and as directed. by the departmental officers	SS30D			
a	11.00 M ² (Eleven square metres only)	75mm thick		Rs. 639.80 (Rupees six hundred and thirty nine and paise eighty only)	1M ² (One square metre only)	7037.80
35	927.00 M ² (Nine hundred and twenty seven square metres only)	Painting two coats of newly plastered wall surface with ready mixed plastic 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.	SS 66 A	Rs. 211.50 (Rupees two hundred and eleven and paise fifty only)	1M ² (One square metre only)	196060.50
36	460.00 M ² (Four hundred and sixty square metres only)	Painting the wall two coats with approved weather proof Exterior Emulsion paint over one primer coat of over cement plastered wall surface ect., complete complying with standard specification.	SS 66A	Rs. 209.50 (Rupees two hundred and nine and paise fifty only)	1M ² (One square metre only)	96370.00

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Contractor

Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
37	27.00 M ² (Twenty seven square metres only)	Painting Two coat 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 the existing red oxide priming coat in all floors excluding 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.)	SS 66 A	Rs. 126.35 (Rupees one hundred and twenty six and paise thirty five only)	1M ² (One square metre only)	3411.45
38	26.00 M ² (Twenty six square metres only)	Painting new wood work with two finishing coats of synthetic enamel ready mixed paint of approved quality and colour over one coat priming coat in all floors including the cost of primer 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.)	SS 66 A	Rs. 212.90 (Rupees two hundred and twelve and paise ninety only)	1M ² (One square metre only)	5535.40
39		Supplying and fixing in position best approved of BIS quality 110 mm dia PVC rain water down fall pipes 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.	Special			
a)	16.00 Rm (Sixteen Running metres only)	110mm dia (In building with Ground floor only)		Rs. 531.90 (Rupees five hundred and thirty one and paise ninety only)	1Rm (One Running metre only)	8510.40

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Water Supply and sanitary arrangements				
40		Supplying,laying,fixing and jointing the following size of UPVC pipes of approved quality and best variety above ground level including fixing of UPVC specials but excluding cost of such specials UPVC specials but excluding cost of such specials and cutting and threading of pipes and also fixing to the wall with necessary Teak Wood Plugs, clamps and screws making holes on the wall or drilling holes in roof and making good of the disturbed portions to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. The pipes are to be painted with two coats of good variety and best quality synthetic enamel paint over a coat of red oxide primer etc., complete complying with standard specification. (Below ground level).	Special			
		For External water supply				
a)	28.00 RM (Twenty eight Running metres only)	40mm dia upvc Pipe		Rs. 257.10 (Rupees two hundred and fifty seven and paise ten only)	1RM (One Running metre only)	7198.80
41		Supplying,laying,fixing and jointing the following size of UPVC pipes of approved quality and best variety above ground level including fixing of UPVC specials but excluding cost of such specials UPVC specials but excluding cost of such specials and cutting and threading of pipes and also fixing to the wall with necessary Teak Wood Plugs, clamps and screws making holes on the wall or drilling holes in roof and making good of the disturbed portions to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. The pipes are to be painted with two coats of good variety and best quality synthetic enamel paint over a coat of red oxide primer etc., complete complying with standard specification. (Above ground level).	Special			

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
		For External water supply				
a)	5.00 RM (Five Running metres only)	40mm dia UPVC Pipe		Rs. 312.75 (Rupees three hundred and twelve and paise seventy five only)	1RM (One Running metre only)	1563.75
b)	40.00 RM (Forty Running metres only)	32mm dia UPVC Pipe		Rs. 300.15 (Rupees three hundred and paise fifteen only)	1RM (One Running metre only)	12006.00
c)	25.00 RM (Twenty five Running metres only)	25mm dia UPVC Pipe		Rs. 213.55 (Rupees two hundred and thirteen and paise fifty five only)	1RM (One Running metre only)	5338.75
42		Supplying and Fixing following UPVC Specials of approved quality and good variety excluding the fixing charges but including necessary cutting and threading of UPVC Pipes for jointing the UPVC specials and providing two coats of painting with good quality and approved variety of synthetic enamel paint over a coat of red oxide primer coat in the case of pipe line below ground level etc., complete complying with standard specifications.	Special			
a)	4.00 Nos (Four Numbers only)	25mm dia UPVC Elbow		Rs. 27.80 (Rupees twenty seven and paise eighty only)	1No (One Number only)	111.20
b)	8.00 Nos (Eight Numbers only)	32mm dia UPVC Elbow		Rs. 41.80 (Rupees forty one and paise eighty only)	1No (One Number only)	334.40

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
c)	15.00 Nos (Fifteen Numbers only)	40mm dia UPVC Elbow		Rs. 55.70 (Rupees fifty five and paise seventy only)	1No (One Number only)	835.50
d)	9.00 Nos (Nine Numbers only)	32mm dia UPVC Tee		Rs. 54.30 (Rupees fifty four and paise thirty only)	1No (One Number only)	488.70
e)	6.00 Nos (Six Numbers only)	40mm dia UPVC Tee		Rs. 72.00 (Rupees seventy two only)	1No (One Number only)	432.00
f)	8.00 Nos (Eight Numbers only)	32x25mm dia UPVC Reducer		Rs. 26.60 (Rupees twenty six and paise sixty only)	1No (One Number only)	212.80
g)	10.00 Nos (Ten Numbers only)	25x20mm dia UPVC Reducer		Rs. 16.10 (Rupees sixteen and paise ten only)	1No (One Number only)	161.00
43		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.	Special			
a	2.00 Nos (Two Numbers only)	32mm dia Gate Valve		Rs. 1190.75 (Rupees one thousand one hundred and ninety and paise seventy five only)	1No (One Number only)	2381.50

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
b)	1.00 No (One Number only)	40mm dia Gate Valve		Rs. 1405.75 (Rupees one thousand four hundred and five and paise seventy five only)	1No (One Number only)	1405.75
44	6.00 Nos (Six Numbers only)	Supplying and fixing in position 15 mm dia screw down Long Body 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)	Special	Rs. 337.60 (Rupees three hundred and thirty seven and paise sixty only)	1No (One Number only)	2025.60
45	4.00 Nos (Four Numbers only)	Supplying and fixing Below counter White colour Wash basin without pedestal glazed with a pair of cast iron brackets, including cost 15mm dia brass CP pillar tap, 32mm dia "B" class GI waste pipe with rubber plug and chain, 15mm dia GM wheel valve, 15mm brass nipple, 15mm dia nylon connection, 32mm dia CP brass waste coupling including fixing of wash basin using GI brackets on to the wall in position with TW plugs and screws, rubber washers, white lead and giving necessary water supply connection and painting the brackets with two coat of painting over a priming coat of anti-corrosive paint including testing for leakages etc., complete	Special	Rs. 3491.35 (Rupees three thousand four hundred and ninety one and paise thirty five only)	1No (One Number only)	13965.40

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
46	2.00 Nos (Two Numbers only)	Supplying and fixing in position white / colour glazed 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 such as 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe including cost of 600mm length of 110mm dia PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition etc. complete complying with standard specifications.	Special	Rs. 5675.80 (Rupees five thousand six hundred and seventy five and paise eighty only)	1No (One Number only)	11351.60
47	2.00 Nos (Two Numbers only)	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)	Special	Rs. 957.50 (Rupees nine hundred and fifty seven and paise fifty only)	1No (One Number only)	1915.00

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
48	2.00 Nos (Two Numbers only)	Supplying and fixing approved best quality brass CP towel rail 600mm long and 20mm dia with brackets of same materials including cost of teak wood plugs and CP screws, etc., complete complying with standard specifications. (The tower rail should be got approved by Executive Engineer before use on works).	Special	Rs. 483.50 (Rupees four hundred and eighty three and paise fifty only)	1No (One Number only)	967.00
49	2.00 Nos (Two Numbers only)	Supplying and fixing best approved best quality brass CP soap tray of size 150 x 100mm 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).	Special	Rs. 296.90 (Rupees two hundred and ninety six and paise ninety only)	1No (One Number only)	593.80
50	6.00 Rm (Six Running metres only)	Supplying, laying and jointing glazed stone ware pipes of the 100mm dia stoneware pipe (cement joint) of approved quality with spigot and socket ends and fixing them in dry condition using spun yarn and cement including petty masonry shoring and strutting wherever found necessary and laying the pipe line in the alignment at the specified gradient and testing with necessary tools and plants, etc., and re-filling the trench with excavated earth and levelling the ground etc., complete complying with standard specifications. (Earth work excavation, re-filling with excavated earth will be measured and paid separately).	Special	Rs. 263.15 (Rupees two hundred and sixty three and paise fifteen only)	1Rm (One Running metres only)	1578.90

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
51		Supplying and fixing in position best quality PVC soil / waste pipes of various dia having 6 kg / sq.cm. pressure BIS mark and providing leak proof joints using PVC adhesives including fixing to the wall with special PVC / MS clamp, teak wood plugs, brass screws, etc., and making connection to all sanitary fittings, dismantling masonry / RCC works wherever found necessary and making the good dismantled portion to the original condition, including testing for any leakages, etc., complete complying with standard specifications. (The PVC pipes should be got approved by the Executive Engineer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where the pipe lines are proposed to laid below ground level	Special			
a)	50.00 Rm (Fifty Running metres only)	110mm dia PVC pipe		Rs. 447.60 (Rupees four hundred and forty seven paise sixty only)	1Rm (One Running metres only)	22380.00
b)	16.00 Rm (Sixteen Running metres only)	75mm dia PVC pipe		Rs. 343.40 (Rupees three hundred and forty three and paise forty only)	1Rm (One Running metres only)	5494.40

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
52		Supplying and fixing in position PVC specials of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive Engineer before use on works).	Special			
a)	2.00 Nos (Two Numbers only)	110 mm dia PVC Door Elbow		Rs. 419.40 (Rupees four hundred and nineteen and paise forty only)	1No (One Number only)	838.80
b)	6.00 Nos (Six Numbers only)	110 mm dia PVC Plain Elbow		Rs. 356.40 (Rupees three hundred and fifty six and paise forty only)	1No (One Number only)	2138.40
c)	3.00 Nos (Three Numbers only)	75 mm dia PVC Door Elbow		Rs. 360.00 (Rupees three hundred and sixty only)	1No (One Number only)	1080.00
53	1.00 No (One Number only)	Supplying and fixing PVC ventilating shaft of 110mm dia (having working pressure 4 kg. / sq.cm) with 3 metre height including cost of PVC cylindrical cowl of best approved quality etc., complete complying with standard specifications and as directed by the departmental officers	Special	Rs. 1058.45 (Rupees one thousand and fifty eight and paise forty five only)	1No (One Number only)	1058.45

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
54	4.00 Nos (Four Numbers only)	Supplying and fixing position 100 x 75mm Nahani Trap / Floor Trap of the following sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:5 (One part of lime, two part of M-sand and five part of 40mm gauge brick jelly) and finished with Cement Mortar 1:3 (One Cement, Three M-sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the CI / PVC pipes, etc., complete complying with standard specification. (The Nahani Trap should be got approved by the Executive Engineer before use on works)	Special	Rs. 745.50 (Rupees seven hundred and forty five and paise fifty only)	1No (One Number only)	2982.00
55	5.00 Nos (Five Numbers only)	Construction of INSPECTION CHAMBER 0.60 x0.60 m clear sizes including earth work excavation, CC 1:5:10 of 10 cm thick and brick work in Cement Mortar 1:5 [One cement and Five M-sand] using best quality of country Bricks of size 83/4cm x 41/4cm x 23/4cm with Plastering with Cement Mortar 1:3 [One Cement and Three M-Sand] 12 mm thick to inner and outer sides and wearing coat 1:3:6 [One Cement, Three M-Sand and Six Aggregate] 15 cm thick and covered with precast slab 5 cm thick etc., complete complying as directed by the departmental officers as per standard specification.	Special	Rs. 4860.60 (Rupees four thousand eight hundred and sixty and paise sixty only)	1No (One Number only)	24303.00

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

(1)	(2)	(3)	(4)	(5)	(6)	(7)
56	1.00 No (One Number only)	Supplying and fixing in position CI manhole covers with CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete complying with standard specifications	Special	Rs. 2338.55 (Rupees two thousand three hundred and thirty eight and paise fifty five only)	1No (One Number only)	2338.55
57	1.00 No (One Number only)	Supplying and providing 1000 Litres capacity priming tank made up of PVC make :SINTEX/ EQUIVALENT etc., complete complying as directed by the departmental officers.	Special	Rs. 9999.00 (Rupees nine thousand nine hundred and ninety nine only)	1No (One Number only)	9999.00
For 57 (Fifty seven) Items only				Work Value Rs		2539006.84
Add for Goods and Service Tax SGST @ 6%						152340.41
Add for Goods and Service Tax SGST @ 6%						152340.41
(Rupees Twenty eight Lakhs forty three thousand six hundred and eighty eight only) Total Rs.						2843687.66 or 2843688.00

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2

Lower Bhavani Basin Division, Erode

NAME OF WORK: Construction of "C" type quarters in PWD campus at Sivagiri in Kodumudi Taluk of Erode District

I / We

agree to execute the above work

with tender percentage of premium plus (+) (in words)

premium minus (-) (in words)

over the departmental execution.

estimate value of work indicated above. In case of variation in quantity of various items of work during execution.

I / We agree that the amount payable for the individual item of work will be as per the departmental unit rates indicated in the tender schedule for the items as varied in accordance with the tender premium and actual quantities of the work done. The percentage mentioned above shall be not apply the cost of materials supplied by the department but only to the balance representing th value of the net work done.

1. Estimate amount put to tender: (Including GST)	Rs.	2843688
2. Excess / Less Amount	Rs.	
3. Agreement value	Rs.	

Contractor

(Sd)/---
Executive Engineer, WRD.,
Lower Bhavani Basin Division, Erode-2