

10.3 Estimate for the construction of STORM WATER MASONRY DRAIN(300X350 MM)
Under BSUP SCHEME

P.W.D Schedule of rates effective from 1st April 2007

UNIT- Mtr.

Sl. No.	Description	Unit	Quantity	Rate	Amount
					Rs.
1	Earth work in excavation of foundation trenches or drains. in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessar Depth of excavation not exceeding 1500 mm.. [P.W.D. Building 2007-08,Page-68, Item-1 (a)]. 0.495 Cu M	%Cu M.	0.495	4187.00	20.73
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm. as directed and consolidating same by thorough saturation with water ramming complete, including the cost of supply of sand. (Payment to be made on measurement of fi [P.W.D. Building 2007-08,Page-70, Item-3]. 0.062 Cu M	%Cu.M.	0.062	27050.00	16.77
3	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand. [P.W.D. Building 2007-08,Page-84, Item-1]. 0.825 Sq M	Sq M	0.825	115.00	94.88
4	Cement concrete with graded jhama khoa (30 mm. size) excluding shuttering. In ground floor and foundation. (6:3:1 proportion) [P.W.D. Building 2007-08,Page-84, Item-4(a)]. 0.083Cu M.	Cu M.	0.083	2036.00	168.99
5	Ordinary Cement Concrete M-15(mix 4:2:1) with graded stone chips (20 mm down) excluding shuttering and reinforcement, if any, in ground floor Pakur/ Chandil Variety [P.W.D. Building 2007-08 Page84, Item 5(a)]. 0.012Cu M.	Cu M	0.012	2929.00	35.15
6	Earth work in filling in foundation trenches or plinth with good earth.in layers not exceeding 150 mm. including watering and ramming etc layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) With earth obtained by fresh excavation of foundation [P.W.D. Building 2007-08,Page 68, Item2(a)]. 0.053CuM.	%Cu M.	0.053	2600.00	1.38
7	Brick work with 1st class bricks in cement mortar (4.1). In foundation and plinth. [P.W.D. Building 2007-08,Page-104, Item-25(a)]. 0.0875Cu M.	Cu M.	0.0875	2115.00	185.06
				C/O	522.95

W. K. S.
 Baranagar Municipality
 Department

Chairman
 Baranagar Municipality

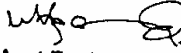
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Sl. No.	Description	Unit	Quantity	Rate	Amount
					Rs.
8	125 mm. thick brick work with 1st class bricks in cement mortar (4:1) in ground floor. [P.W.D. Building 2007-08, Page-108, Item-33].			B/F	522.95
	0.35 Sq M	Sq M	0.35	294.00	102.90
9	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening With 4:1 cement mortar, 15 mm thick plaster [P.W.D. Building 2007-08, Page-342, Item-1(II)(b)].				
	1.375 Sq M	Sq M	1.375	69.00	94.88
10	Neat cement punning about 1.5 mm. thick in wall dado. Window, sills, floor drain etc. [P.W.D. Building 2007-08, Page-346, Item-7].				
	1.375 Sq M	Sq M	1.375	17.00	23.38

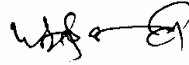
Total 744.10

Say Rs.744.00

(Rupees seven hundred forty four only)


Asst. Engineer.
Public works Dept.
Assistant Engineer
Public Works Dept.
Baranagar Municipality


Chairman
Baranagar Municipality
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Asst. Engineer
Public Works Department
Baranagar Municipality

Chairman
Baranagar Municipality

**10-5 TYPICAL ESTIMATE FOR CEMENT CONCRETE ROAD
TYPE -II(For 1.5 M wide pathways)**

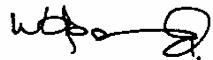
Considering width-1.50 M


Unit-Mtr

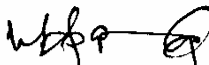
PWD Schedule 2007

Sl. No.	DESCRIPTION OF ITEMS	QTY	RATE	UNIT	AMOUNT (Rs)
1	Earth work in excavation(1.5mX0.3m)	0.45	4187.00	%CuM	18.84
2	Sand filling 75 mm thick(1.5mX0.075)	0.11	27050.00	%CuM	29.76
3	Laying brick flat soling(1.5X1)	1.50	115.00	SqM	172.50
4	Laying PCC 6:3:1(1.5X0.075)	0.11	2036.00	CuM	223.96
5	Nominal mix M-20 Cement Concrete 100 mm with graded stone chips (20 mm size) excluding shuttering and reinforcement, if any, in ground floor	0.15	3368.00	CuM	505.20
6	Brick work(6:1)(2X0.25X0.3)	0.15	2115.00	CuM	317.25
	TOTAL				1267.51
				Say	1268.00

Cost per metre = Rs.1268.00 / 1.5 = Rs. 845.33 per metre


 Assistant Engineer
 Public Works Dept
 Baranagar Municipality


 Chairman
 Baranagar Municipality


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 Public Works Department
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COST OF ESTIMATES FOR

“Supply, installation testing & commissioning of 8.50M steel tubular poles along with 4-core 10 sq.mm un-armoured cable insulators, clamps, stay set, GI earth wire, street light fittings, brackets, PCC foundation etc. complete in all respect.”

(BASED ON PWD SCHEDULE OF RATES 2008)

Sl.No	DESCRIPTION OF WORK	QTY.	RATE	UNIT	AMOUNT
1	Supplying of Swaged Steel Tubular pole for following designation and of following dimensions. <u>Designation</u> <u>Over all Length</u> <u>Approx wt. Kg.</u> 4 IO SP- 17 8.50M 89 PWD – K-7	12 Nos	6,047/-	Each	72,564.00
2	Erection of single steel tubular pole of length as given below with/without sole plate & cap etc in CC foundation (Proportion and dimension indicated below),having 600x600x150 mm thick CC (4:2:1) base block below sole plate/pole with hard jhama metal including CC (6:3:1) muffing 0.30 mts, dia and 0.30 mts above ground level including 3 mm thick neat cementing finish and GI earth bolt after making drilling holes etc. on pole & carriage of pole upto 1.6 kg from store to work site including filling up the excavated earth pit with shifted soil and ramming properly. a) upto 9.0 mtrs size 0.6x0.6x1.70 mtrs PWD – H-1 /I	12 Nos	2,143/-	Each	25,716.00
3	Supplying and Erection of Galv. Stay set complete with 7/8 SWG GI (Hot Dip) Stranded stay wire (45 ton quality), 1.8 mtr x 16mm dia Galv. (Hot Dip) stay rod 150mm x 150mm x 8mm thick Galv. (Hot Dip) MS anchor plate, 356mm x 13 mm dia Galv. Bow (with ratchet type nut), thimble, Galv. Box type stay clamp in CC foundation (6:3:1) having hard jhama metal incl. providing earth connection. PWD – H-2/7 (B)	2 Nos	1,359/-	Each	2,718.00
4	Earthing eith one 15.88mm dia GI rod with double GI nuts and washers and 4SWG GI wire to an average depth of 3 mtr including S/F 15mm dia GI pipe protection (1mtr long). EXTRA ITEM	13 Nos	480/-	Each	6,240.00
5	Supplying & Erection of Galv. ‘D’ iron complete with suitable pole clamp 100mm x 114mm porcelain shackle insulator & 19mm dia Galv. Bolts & nuts, incl. painting. PWD – H-3 C / 8	30 Nos	119/-	Each	3,570.00
6	Supplying Al.conductor PVC insulated and sheathed unarmored cable (1.1KV grade,Gloster/CCI/incab/ICC/ Vinicab). e) 10 sq.mm x 4 core _____ EXTRA ITEM	340 Mtrs	154/-	RM	52,360.00
7	Supplying and drawing 7/16 SWG galv.stranded Wire for drawing unarmored cable by catenary system of wiring with 3nos. reel insulator per mtr. and binding with binding wires etc,as reqd. for drawing. EXTRA ITEM	320 Mtrs	43/-	RM	13,760.00
TOTAL					1,76,928.00

Sl.No	DESCRIPTION OF WORK	QTY.	RATE	UNIT	AMOUNT
	B.F.				1,76,928.00
8	Fixing outdoor type fluorescent /SV/MV light fittings on pole including S&F 40mm dia x 1.68 mts. Long GI pipe (ISI-Medium) bracket with 40mm x 10mm thick, MS clamp etc. and providing wiring with 2 x 1/1.40 PVC insulated & sheathed wire (single core) partly in GI conduit & partly through above bracket from OH line to the fitting, without control switch, including making connection and painting. PWD – H-5/4	12 Nos	1,412/-	Each	16,944.00
9	Supplying and fixing of HGS 120 1x TL-D 36W IC Fluorescent street light luminaries with sheet Aluminum housing and UV stabilized cover. EXTRA ITEM	12 Nos	2,079/-	Each	24,948.00
10	S/F of special head type M S loop box (3 mm thick) with connecting bar and other accessories fixed on the top the pole as required and as per direction of Engineer-In-Charge. For 3-phase – 4 wire connection. EXTRA ITEM	12 Nos	467/-	Each	5,604.00
12	Supplying & Erection of medium size pillar box 10 SWG M. S. sheet (Double Door) dimension 800mm x 450mm x 400mm including supplying 63 amps TPN Main switch and 3 Nos 63 amps fuse unit wiring with 4 sq.mm copper wire on brick foundation as per Drawing & direction of Engineer In - Charge including painting the same with one coat of R.O. Primer and two coats of Al. paints and S/F 2 Nos. 7 lever Lock with duplicate key and key rings and filling up the feeder pillar lock partly with fine dry sand. EXTRA ITEM	01 No	12,336/-	Each	12,336.00
13	Painting of steel tubular pole of length and no of coats of paint as given below with ready mixed paint/primer of approved make and brand including preparation of surface by sand paper/emery paper, cleaning etc. for receiving fresh coat of paint. b) up to 9.0 mtr long pole 1 st coat of Al. paint over 1 coat of RO primer PWD – H-2/4	12 Nos	154/-	Each	1,848.00
14	Finishing the end of following PVC un-armoured cables by crimping method incl. supplying and fixing solder less socket (Dowels make), taps, anticorrosive paste & jointing materials For 4-core 10 sq.mm cable PWD – F-5 / 7 (b)	24 set	48/-	Set	1,152.00
15	Supplying & fixing straining screws of 300 mm x13.5 mm (12" x 1/2") dia with 2 nos. 200 mm (8") long angle iron / pole clamp to be fixed on wall / pole for catenary system of wiring. --- do ----- do ----- of (450 mm x 12.5 mm) dia –do- EXTRA ITEM	12 Nos	127/-	Set	1,524.00
TOTAL RS					2,41,284.00

~~AF~~
AF (ASCP)
12/4/13

Shawla
16/4/13