



GOVERNMENT OF KERALA
PUBLIC WORKS DEPARTMENT

Schedule of Rates

2008
Volume - I

(with effect from 01.04.2008)

GENERAL INSTRUCTIONS

1. The Schedule of Rates is for estimating purpose only and shall be followed both for original and maintenance works. This supercedes all previous schedules and subsequent corrections to them.
2. The rates for works are to be calculated based on this schedule and shall be varied only with the specific sanction of the Chief Engineer.
3. These rates shall be the basic rates in Kerala Public Works Department until further revision. As a rule the schedule of rates shall be reviewed in March every year by the Superintending Engineers in- charge of Circles and any modification that may be found necessary shall be got approved by the Chief Engineer in time and brought into force from the next financial year.
4. This Schedule of Rates consists of two volumes:

Volume I Part I – Rates for Labour
 Part II – Materials
 Part III -Water Supply and Sanitary items
 Part IV- Conveyance Statement
Volume II Rates for Electrical Items.

5. For materials like cement, iron, tiles, wire cut bricks, sand lime bricks etc. exfactory or the manufacturers nearest depot rates have been provided.
6. The rates given in the Schedule, are exclusive of conveyance charges of materials to site of work and also do not include the contractor's profit of 10 percent. For the preparation of estimates, rates shall be worked out based on detailed data providing for the cost of materials, conveyance charges and labour as per the schedule. When the work is proposed to be taken up through a contract agency, 10 percent contractor's profit shall also be added to the rates except on the value of materials supplied departmentally and on hire charges of T and P.
7. Regarding conveyance charges for materials, a certificate as noted below, from an officer not below the rank of an Assistant Executive Engineer, should be attached with all estimates.

“The distances noted in the data for conveyance from quarry or source have been personally verified by me and are found correct. These are the minimum leads required.”

8. (a) When power rollers(Diesel Rollers), are hired out to contractors hire charges for the rollers(which include cost of lubricating oils, grease, small stores and establishment charge but exclude cost of fuel), shall be recovered at the rate of Rs.2060 per day of eight hours or part thereof, for the full period the roller is hired out to the contractor, including non working days, except for authenticated period of break down of the roller for the full working hours of a day (that is 8 hours from 8 a.m. to 5 p.m. including one hour's interval for lunch) and for Sundays and other public holidays, if there is no work on these days.

The daily rate of hire fixed by the Chief Engineer shall be for a day of 8 hours or part thereof, between 8 a.m. and 5 p.m. with one hour's interval for lunch.

(b) If there is work on Sundays and other Public Holidays, the hire charges for the rollers shall be recovered at the rate of 1.20 times the rate for normal working days.

(c) When power rollers are worked on any day, in excess of eight hours (that is outside the normal working hours between 8 a.m. to 5 p.m.) hire at the rate of 1.20times the hourly rate applicable for that day(based on the rate of 8 hours), shall be levied for every extra hour or part thereof.

(d) The average out- turn expected from a power roller for a day of 8 hours is as fixed by the Chief Engineer (R and B) for various items of road work. A variation of plus or minus 12 1/2 per cent may be allowed to this average. If the daily out-turn from the roller falls out side the permissible variations the contractor shall be charged at 11/2 times the rate of normal hire for the day, specified for the roller concerned. However, this clause shall not be applicable in cases where variation is due to authenticated periods of break down of the roller or inclement weather.

(e) In addition to the hire charges, necessary water, diesel oil (Fuel oil) or power line, as the case may be, required for the efficient working of the roller, shall be supplied by the contractor.

9. The Schedule of Rates 2008 shall come into force from 01.04.2008 as per G.O. (Rt) No.527/2008/PWD dated 17.04.2008.

Office of the Chief Engineer, P.W.D.
N. H & Administration,
Thiruvananthapuram-695033

(Sd.)
SURESHAN KOILERIAN
Chief Engineer

PART I

RATES FOR LABOUR

Sl. No	Description	Unit	Rates effective from 1.4.2008
1	Black smith	Each Per day	190
2	Blaster or Quarryman	Do	155
3	Boat building maistry	Do	190
4	Boat builder	Do	190
5	Boatman	Do	130
6	Brick Moulder	Do	130
7	Cable jointer	Do	170
7a	Cable jointer mate	Do	130
8	Carpenter	Do	190
9	Caulker	Do	190
10	Cleaner	Do	155
11	Cleaner-Lift Irrigation	Do	130
12	Dighy man	Do	130
13	Driver jeep	Do	155
13a	Driver-Lorry/Tractor/Dumper/Tipper driver	Do	165
14	Driver -pile driver	Do	175
15	Driver- Pump driver/Operator	Do	155
16	Electrician	Do	170
17	Ferryman	Do	155
18	Fitter	Do	175
19	Hammerman(For helping blasters)	Do	130
20	Jumper	Do	155
21	Laterite cutter	Do	155
22	Lineman	Do	155
23	Lineman Assistant	Do	140
24	Mason-Brick or laterite	Do	190
25	Mason-Rubble mason	Do	190
26	Mason -Stone mason or stone cutter	Do	190
27	Mazdoor-Man and woman	Do	140
28	Mazdoor-Special mazdoor for syrveying, thatching, white washing etc	Do	150
29	Mazdoor-Heavy load mazdoor or Khalasi, for handling iron materials	Do	155
30	Machanic-I	Do	205
31	Machanic-II	Do	190
32	Machine-cum-operator-Hot mix plant	Do	230
33	Modeller I	Do	155
34	Modeller II	Do	145
35	Operator-Heavy earth moving machinery	Do	230
36	Operator - Lift Irrigation operator	Do	155
37	Operator-Lock operator	Do	130
37a	Operator-Lift	Do	130
37b	Operator-Mixer/Compressor	Do	155
37c	Operator Paver finisher	Do	230
38	Painter	Do	155
39	Picottach man	Do	130
40	Plumber/Pipe fitter	Do	190
41	Sawyer	Do	175
42	Scavenger	Do	190

43	Syrang	Do	155
44	Tailor	Do	155
45	Tinker	Each Per day	155
46	Turner I	Do	175
47	Turner II	Do	155
48	Watcher-Channel watcher,Dam watcher, bund and regulator	Do	130
49	Watcher Lift irrigation watcher	Do	130
50	Welder -Gas welding	Do	190
50a	Welder- Arch welding	Do	190
51	Well sinker-Ordinary	Do	155
52	Well sinker-Diver using diving set	Do	230
53	Well sinker-Diver without diving set	Do	190
54	Wireman	Do	170
55	Wireman- Assistant	Do	155
56	Wireman- Helper	Do	130
57	Wood cutter	Do	175
58	Moulder	Do	190
59	Tile paver	Do	190
60	Marble cutter	Do	205
61	Skilled Assistant (Engineering Degree Holder)	Do	300
62	Skilled Assistant (Diploma Holder)	Do	240
63	Skilled Assistant (I.T.I, I.T.C, etc,)	Do	190
64	Hardware Technician (Computer)	Do	190
65	Motor winder	Do	190
66	Technician- Electronic machinery	Do	190
HIRE CHARGES			
67	Country Boat I class with 2 boatmen (10 to 14 tonnage) (excluding wages of Boatman)	Per day	540
68	Boat II class with 2 boatmen (5 to 9 tonnage) ,,	Do	420
69	Boat III class with 2 boatmen (1 to 4 tonnage) ,,	Do	330
70	Bullock cart with pair of bulls and driver	Do	480
71	Bulls (pair) with driver for grinding mortar	Do	360
72	Bullock cart hire including bullocks and driver	per km	15
73	Boat hire for the first 25 Kms	per tonne km	7
74	Boat hire beyond first 25 kms	Do	7
75	Hand cart hire 1 tonne capacity	per day	60
76	Hand cart hire 0.5 tonne capacity	Do	35
77	Motor lorry 5 tonnes and above	per running km	22
78	Mini Lorry -Below 5 tonne	Do	15
79	Tipper	Do	22
Note:-	1. For Hilly areas 15 % increase in the rates may be allowed.		
	2. For difficult areas , restricted working hours etc. up to a 50 % increase in labour can be allowed subject to approval by the next higher authority.		
	3. This labour rate is applicable for Vol.II (Electrical schedule).		

**PART II
RATES OF MATERIALS**

Sl. No	Description	Unit	Rates effective from 1.4.2008
Bricks and Tiles			
1	Wire cut bricks 1st class platform or pallet moulded, 19cm x 9cm x 9cm	1000 Nos	4050.00
2	Do. traditional bricks 22.9cm X 11.2cm X 7cm (Nominal size)	1000 ,,	4500.00
3	Sand lime bricks 1st class 19cm x 9cm x 9cm.	1000 ,,	3750.00
4	Country burnt bricks 1st class 19cm x 9cm x 9cm	1000 ,,	2100.00
5	Do. traditional bricks 22.9cmx11.2cmx7cm (Nominal size)	1000 ,,	2400.00
6	Paving or flooring tiles 225mm X 225mm (Nominal size) or nearest available size 1st class	1000 ,,	4700.00
7	Fly Ash Bricks 19cm x 9cm x 9cm	1000 ,,	3400.00
Hollow Bricks			
8	Hollow bricks 40cm X 20cm X 20cm	100 ,,	1200.00
9	M.P. roofing tiles, 340mm nominal size or nearest available size 1st class	1000 ,,	6100.00
10	Do. 320mm do.	1000 ,,	5400.00
11	M.P. Hip and ridge tiles 1st class	1000 ,,	13800.00
12	P.W.D. or Rly.Pattern roofing tiles	1000 ,,	2200.00
13	P.W.D. Hip and ridge tiles	1000 ,,	3000.00
14	Ventilator or smoke tiles to match M.P. roofing tiles(Double)	Each	90.00
15	Do. do. (Single)	Do	68.00
16	Sky lights with glass to match M.P. roofing tiles (Double)	Do	75.00
17	Sky lights with glass to match M.P. roofing tiles (single)	Do	46.00
18	Facing tiles 224mmX75mmX12mm or nearest size	1000 nos.	2100.00
Stones Including Road Materials			
19	Laterite stones 44cmx24cmx19cm roughly dressed	100 Nos.	1250.00
20	Laterite stones 44cmx24cmx14cm roughly dressed	100 ,,	1100.00
21	Laterite stones 29cmx24cmx14cm roughly dressed	100 ,,	950.00
22	Laterite rough stones including soling stones 150mm size	m ³	130.00
23	Laterite boulders (quarry stones) for revetment	m ³	150.00
24	Blasted rubble at quarry (20 to 40dm ³ size)	m ³	220.00
25	Do. above 40 dm ³ size	m ³	220.00
26	Coursed rubble stone for 1st sort work	m ³	440.00
27	Split stone for ashlar masonry	m ³	500.00
Hard Broken Stones (Granite)			
28	15mm nominal size as per ISS	m ³	650.00
29	20mm Do.	m ³	600.00
30	25mm Do.	m ³	494.00
31	40mm Do.	m ³	420.00
32	50mm Do.	m ³	390.00
33	65mm Do.	m ³	330.00
34	75mm Do.	m ³	300.00
Broken stones (For Road Works)			
35	6mm to 7mm nominal size	m ³	475.00
36	9mm Do.	m ³	720.00
37	11mm to 12mm Do.	m ³	675.00

38	13mm to 14mm Do.	m ³	630.00
39	18mm Do.	m ³	600.00
40	22mm to 23mm nominal size	m ³	590.00
41	24mm Do.	m ³	520.00
42	26mm to 27mm Do.	m ³	485.00
43	36mm Do.	m ³	460.00
44	45mm Do.	m ³	435.00
45	48mm Do.	m ³	400.00
46	60mm Do.	m ³	370.00
47	63mm Do.	m ³	350.00
48	72mm Do.	m ³	325.00
49	75mm Do.	m ³	300.00
50	Gravel (silted Silicious)	m ³	90.00
51	Cut Gravel	m ³	80.00
52	River sand clean sharp and dry (for mortar)	m ³	990.00
52a	Manufactured sand (for mortar)	m ³	990.00
53	Sand for filling	m ³	210.00
54	Shell lime slacked	m ³	1600.00
55	Shell lime quick	m ³	2200.00
56	Surki 1st class	m ³	
57	Brick Jelly, 20mm to 40mm ring	m ³	195.00
58	Laterite chips	m ³	90.00
59	Red earth for blinding	m ³	105.00
60	Clay for puddle and masonry	m ³	80.00
61	Quarry dust	m ³	85.00
62	Cement (Portland) in packed or bags of 50 Kg	Tonne	4540.00
63	White Cement	Kg	14.00
	Timber and Roofing Materials		
1	Anjily or Ayani Export	m ³	29750.00
2	Anjily or Ayani	m ³	20800.00
3	Irul or Kadamaram	m ³	20100.00
4	Kambagam (Kongu) (pongu) Thambakam	m ³	28220.00
5	Maruthy (Pillamarudu)	m ³	16600.00
6	Myla	m ³	19000.00
7	Manjakadambu (Vemb)	m ³	32050.00
8	Mavu or Mango	m ³	6300.00
9	Mahagany	m ³	31900.00
10	Plavu (Jack wood)	m ³	22580.00
11	Teak wood(export)183cm and above in girth length 3m and above	m ³	82150.00
12	Teak wood I 150cm Do.	m ³	73790.00
13	Teak wood II 100 to 149 cm Do.	m ³	69000.00
14	Teak wood III 76 to 99 cm Do.	m ³	62600.00
15	Teak wood IV 53 to 75 cm Do.	m ³	29540.00
16	Teak saplings I A (12m Length and above)	Each	8840.00
17	Do. I B (above 9m upto 11.99m length girth 65cm to 75cm)	"	5690.00
18	Teak saplings I C (above 6m up to 8.99m length girth 65cm to 75cm)	"	5330.00
19	Do. I D below 6m length girth 65cm to 57cm.	"	4390.00

20	Teak saplings II A length for II A to IID same as for I A to I D (53 cm to 64cm girth)	"	3970.00
21	Teak saplings II B (53 cm to 64 cm girth)	"	3650.00
22	Teak poles II C	"	3360.00
23	Teak poles II D	"	2030.00
24	Teak poles III minimum length 6.00m girth 41 to 52cm	"	1480.00
25	Teak poles IV minimum length 6.00m girth 28 to 40cm	Each	460.00
26	Teak poles V minimum length 6.00m girth 15 to 27 cm	Each	145.00
27	Tempavu or Karimaruthu	"	23100.00
28	Vengai	m ³	20720.00
29	Venteak	"	16875.00
30	Bamboo 1st class 9 m long	Each	95.00
31	Coconut trees 6m to 9 long	"	490.00
32	Palmyrah trees 9 m long	"	515.00
33	Arecanut trees 9m long	"	195.00
34	Arecanut trees 1/3 split	m	17.00
35	Plaited coconut cadjan madals	100 No	660.00
36	Green coconut cadjan madals	Each	6.00
37	Ettamats	m ²	35.00
38	Ettamats outer skin	do	45.00
39	Bamboo reepers	m	4.50
40	Arecanut reepers	m	4.50
41	6m long Casuarina poles 25 to 40cm girth	Each	150.00
42	6m long Casuarina poles 15 to 24cm girth	do	85.00
	Metal and Iron Items		
1	M.S. Rounds and Squares	Qtl	4670.00
2	M.S. Angles, flats	do	3291.00
3	M.S.Channels	do	3638.00
4	M.S. Joists	do	4536.00
5	TMT Steel (ISI)	do	4750.00
6	M.S. Plate	do	4447.50
	Iron Bolts and Nuts		
7	6mm or nearest size	Kg	58.00
8	8mm do.	Kg	58.00
9	10mm do.	Kg	58.00
10	12mm do.	Kg	58.00
11	16mm do.	Kg	58.00
12	20mm do.	Kg	58.00
13	22mm do.	Kg	58.00
14	25mm do.	Kg	58.00
	Iron Nuts of sizes		
15	12mm or nearest size	Kg	58.00
16	16mm do.	Kg	58.00
17	20mm do.	Kg	58.00
18	22mm do.	Kg	58.00
19	25mm do.	Kg	58.00
20	G.I. Hooks Crank or bolts and nuts metal fittings	Kg	58.00
	Parliament Hinges-Iron		
21	50mm or nearest available sizes best quality	10Nos	76.00
22	65mm do.	do	91.00

23	75mm do.		do	105.00
24	100mm do.		do	185.00
25	125mm do.		do	210.00
26	150mm do.		do	220.00
	Butt Hinges Iron			
27	50mm or nearest available sizes best quality		10 Nos	29.00
28	65mm do.		do	33.00
29	75mm do.		do	38.00
30	100mm do.		10 Nos	76.00
31	125mm do.		10 Nos	108.00
32	150mm do.		do	179.00
33	Spring hinges of best quality -Iron(75mm)		Pair	48.00
	Butt Hings-Brass			
34	50mm or nearest available size best quality		10 Nos	95.00
	Barrel Tower Bolts - Iron			
35	75mm or nearest available size		10Nos	60.00
36	100mm do.		do	61.00
37	150mm do.		do	85.00
38	200mm do.		do	120.00
39	250mm do.		do	145.00
40	300mm do.		do	180.00
	Iron Screws			
41	12mm or nearest available size	(3,4,5)	10Nos	1.90
42	20mm	" (4)	do	1.90
43	20mm	" (5)	do	2.50
44		" (6)	do	2.50
45		" (7)	do	3.00
46	25mm	" (5)	do	3.00
47		" (6)	do	3.00
48		" (7)	do	3.20
49		" (8)	do	3.80
50	30mm	" (7)	do	4.00
51		" (8)	do	4.20
52		" (9)	do	4.80
53		" (10)	do	6.00
54	35mm or nearest available size	(7)	do	4.20
55		" (8)	do	4.80
56		" (9)	do	4.80
57		" (10)	do	6.00
58	50mm	" (8)	do	6.00
59		" (9)	do	7.30
60		" (10)	do	7.60
61		" (12)	do	7.30
	Steel Screws			
62	12mm or nearest available size	(3)	10 Nos	2.50
63		" (4)	do	2.50
64		" (5)	do	2.50
65	20mm or nearest available size	(4)	do	6.00
66		" (5)	do	6.00
67		" (6)	do	6.00

68	" (7)	do	6.00
69	25mm or nearest available size (6)	do	6.90
70	" (7)	do	6.90
71	" (8)	do	6.90
72	30mm or nearest available size (7)	do	9.20
73	" (8)	10 Nos	9.20
74	35mm or nearest available size (8)	do	14.40
75	" (9)	do	14.40
76	" (10)	do	14.40
77	50mm or nearest available size (8)	10 Nos	18.70
78	" (9)	10 Nos	18.70
79	" (10)	do	18.70
	Anodised Aluminium Fittings Butt Hinges		
80	50mm or nearest available size best quality	10 Nos	95.00
81	65mm do.	10 Nos	105.00
82	75mm do.	do	200.00
83	100mm do.	do	235.00
84	125mm do.	do	270.00
85	150mm do.	do	300.00
	Barrel Tower Bolts		
86	75mm or nearest available size best quality	10 Nos	105.00
87	100mm do.	do	230.00
88	150mm do.	do	300.00
89	200mm do.	do	340.00
90	250mm do.	do	410.00
91	300mm do.	do	480.00
	Door and Windows Plate Handle - Aluminium (Hexagonal of fluted)		
92	175mm or nearest available size best quality.	10 nos	520.00
93	225mm do.	do	690.00
	Door and Window handles without plates -Aluminium		
94	100mm or nearest size	10 Nos	260.00
95	150mm do.	do	236.00
96	175mm do.	do	375.00
97	200mm do.	do	520.00
	Hooks and Eyes - Aluminium		
98	150mm or nearest available size-best quality	10 Nos	180.00
	Aldrop Aluminium		
99	200mm or nearest available size with 16mm dia- best quality.	10 Nos	950.00
100	Spike nails of sizes-Iron best quality.	kg	47.00
101	Wire nails of size do.	do	35.00
102	Iron wire for tying grills (16)	do	37.00
103	Iron wire for tying grills (22)	do	59.00
104	Iron wire for tying grills (24)	do	59.00
105	Mortise lock with handles of best quality 6 lever	Each	625.00
106	Automatic hydraulic door closer best quality	do	1100.00
	Hasps and Staples		
107	150mm or nearest size (Iron safety)	Each	20.00
108	Do. Brass (nickel plated)	do	50.00
	Door and Window Handles-Brass		

109	75mm or nearest size	Each	25.00
110	100mm do.	do	34.00
111	125mm do.	do	50.00
112	150mm do.	do	52.00
	Hooks and Eyes-Iron		
113	60mm or nearest size	10 Nos	15.00
114	75mm do.	10 Nos	18.00
115	100mm do.	10 Nos	23.00
116	200mm do.	do	45.00
117	250mm do.	do	61.00
	Pad lock		
118	50mm or nearest size(6 lever) best quality	Each	110.00
119	65mm or nearest size(7 lever) best quality	do	170.00
120	Wrought Iron coupling to match 20mm dia pipe or nearest size	do	
121	G.I Fencing wire No.6 standard.	Qtl.	3700.00
122	G.I Barbed wire	Qtl.	3700.00
123	G.I staples	Qtl.	4000.00
124	G.I Straining bolts and nuts 375mm X 15mm or nearest size	kg	42.00
125	G.I bolts and nuts 20mmx6mm or nearest available size	do	46.00
126	G.I Washer for do.	do	40.00
127	Expanded metal of size 12.5 mm or nearest size.	m ²	105.00
128	Expanded metal of size 20mm dia.	m ²	92.00
	Welded Mesh		
129	50 x 50mm 10G x 10G	m ²	165.00
130	75 x 50mm 10G x 10G	m ²	175.00
131	75 x 50mm 10G x 6G	m ²	120.00
132	75 x 75mm 10G x 10G	do	125.00
133	Lead washers	kg	72.00
134	Copper sheets	kg	335.00
135	Iron tacks	Doz.	2.00
136	G.I. Plain sheets 1.60 mm thick	Tonne	45500.00
137	G.I. Plain sheets 1.25 mm thick	do	45500.00
138	Do. 1.00 mm thick	do	45500.00
139	Do. 0.80 mm thick	do	45500.00
140	Do. Corrugated sheets 1.00 mm thick	Tonne	46000.00
141	Do. Corrugated sheets 0.80 mm thick	do	46000.00
142	Do. Corrugated sheets 0.63 mm thick	do	46000.00
	Oils, Paints and Varnishes		
143	Wood oil	Litre	58.00
144	Linsed oil double boiled	do	58.00
145	Turpentine-best quality	do	48.00
146	Copal varnish	do	105.00
147	Aluminium paint	do	150.00
148	Black Japan paint	do	57.00
149	Sand texmat	do	190.00
150	Ready mixed paint assorted colours (best quality)	do	126.00
151	Plastic Emulsion paint	do	180.00
152	Synthetic enamel paint	do	162.00
153	Water proof cement paints	kg	24.00
154	Oil bound distemper	do	63.00

155	Anti-corrossive bituminous Black Paint.	do	62.00
156	Oil bound distemper-acrylic	do	68.00
157	Red oxide primer (Iron primer) first quality.	Litre	85.00
158	Wood kote paint or equivalent.	do	100.00
159	Wood primer	do	85.00
160	Epoxy coal tar paint	Litre	150.00
161	Zinc rich primer	Litre	133.00
162	Putty	Kg	32.00
163	Mansion polish	do	200.00
164	French polish	Litre	96.00
165	Cardinal polish red	400 gms	90.00
166	Bee wax	kg	81.00
167	Red oxide powder-1st quality	kg	81.00
168	Black oxide power-1st quality	do	54.00
169	Water proofing compound	do	28.00
170	Water proofing Acrylic polymer Coatings-Crystalline penetration		
	a. Polimer pulverised mineral powder	kg	28.00
	b. Polymer Bonding Agent	do	340.00
171	synthetic Resin adhesive	kg	120.00
172	Plaster of paris	do	14.00
	Miscellaneous Items		
1	Asbestos cement sheet-plain	m ²	100.00
2	Asbestos corrugated or trafford	do	125.00
3	Asbestos cement ridges	Pair	125.00
4	A.C. North light curve	Each	160.00
5	Bitumen washers	10Nos	2.00
6	Glue	Kg	50.00
7	Washing soda	"	17.00
8	Coconut shell	100 Nos	40.00
9	Hemp	kg	35.00
10	Dungry cloth blue 70cm wide	M	70.00
11	Cotton tape rough 15 to 25mm wide	kg	17.00
12	Cotton tape rough 40 to 50mm wide	do	90.00
13	Cotton ropes	do	75.00
14	Twine country	do	24.00
15	Twine English	do	50.00
16	Jungle wood sticks bundles	100 Nos	60.00
17	Broken bottle for glass coping	m ²	550.00
18	Charcoal	qtl	450.00
19	Glass sheet plain 2mm thick	m ²	110.00
20	Glass sheet plain 3mm thick	do	205.00
21	Glass sheet plain 4mm thick	do	260.00
22	Glass sheet plain 5.5mm thick	do	360.00
23	Pin headed glass, 3mm thick	do	165.00
24	Armoured glass	do	420.00
25	Fibre glass corrugated or trafford (Roofing sheet 1mm thick or nearest)	do	945.00
26	Frosted glass 3mm thick	do	310.00
27	Frosted glass 4mm thick	do	375.00
28	Frosted glass 5.5mm thick	do	440.00
29	Well pully cast iron No.8	Each	40.00

30	Steel wire brush 16cm long	do	48.00
31	Bass brush.	do	37.00
32	Gunny bag (not cement bag)	10 Nos	37.00
33	Sand paper	do	13.50
34	Country blasting powder	Kg	35.00
35	Country Fine fuse	m	11.00
36	Gelatin 80 per cent ordinary detonator with water proof (case of 25 Kg)	25 Kg	1400.00
37	a) Gelatin 90 percent ordinary detonator with water proof fuse (case of 25 Kg)	25 Kg	1850.00
38	Head of screw pins 50 cm long	100 Nos	22.00
39	Lamp black	Kg	20.00
40	Asphalt		
	Natural Rubber Modified Bitumen	Tonne	30103.00
	Bitumen 80/100 grade	do	27583.00
	Bitumen 60/70 grade	Tonne	29800.00
	Bitumen Emulsion	do	24143.00
41	a). Asphalt with container		
	Natural Rubber Modified Bitumen	Tonne	32889.00
	Bitumen 80/100 grade	do	30248.00
	Bitumen 60/70 grade	do	32465.00
	Bitumen Emulsion	do	29146.00
42	Fish oil	Litre	30.00
43	a) Diesel oil	Litre	33.50
44	b) Kerosene	Litre	20.00
45	c) Petrol	do	46.00
46	d) Engine oil(not packed)	do	90.00
47	e) Crude oil	do	10.00
48	f) Ironite or quivalent type	50 Kg	550.00
49	Fire wood split	Tonne	2700.00
50	Fire wood unsplit	Tonne	2200.00
51	Machine pressed bitumen pad 25mm for expansion joint	m ²	650.00
52	Carborandum stone course medium or fire 100mm square triangle or nearest size	Each	120.00
53	Oxalic acid powder	Kg	80.00
54	a) Marble white powder 1st quality	50 Kg	90.00
55	Antitermite treatment chemical	Litre	350.00
	Acrylic Polymer Protective Coating (Bridges,water- Tank)		
56	a) Water based elastomeric disppersion system	Kg	280.00
	b) Polymer primer	Kg	130.00
57	Oxygen for welding / cutting	m ³	20.00
58	Acetylene for welding / cutting	m ³	170.00
	Steel Materials		
59	Rolling shutter	m ²	1250.00
60	Top cover shutter	m	400.00
61	Collapsible gate	m ²	1250.00
62	Welding Electrode(8 g)	100 Nos	370.00
63	Welding Electrode(10 g)	100 Nos	180.00
64	Welding Electrode(12 g)	do	190.00

65	M.S. Rivets.	Kg	60.00
	Coir Items		
	Coir Matings Ordinary		
66	a) M4 A3 in different colours	m ²	120.00
	b) M4R3 in different colours	m ²	120.00
	Coir matings Superior quality		
67	a) Sk-1 different colours	m ²	213.00
	b) Sk-1 50% Bleach and 50% dyed	m ²	191.00
	c) Vc-8 File carpet	m ²	605.00
68	Coir Foot Mat.		
	a) FM3 Fancy	m ²	850.00
	b) RC 3 Fancy	m ²	235.00
	c) SR2 Fancy	m ²	381.00
	d) RL 2 Fancy	m ²	306.00
	e) VR I inlaid.	m ²	475.00
69	Rubberised coir products		
	a) Mattress 6' x 3' x 4"	Each	1990.00
	b) Do 6' x 3' x 3"	Each	1700.00
	c) " 6' x 2.5' x 4"	Each	1700.00
	d) Mattress 6' x 2.5' x 3"	Each	1460.00
	e) " 6.25' x 2.5' x 4"	Each	1730.00
	f) " 6.25' x 2.5' x 3"	Each	1490.00
	g) " 6.25' x 3' x 4"	Each	2040.00
	h) " 6.25' x 3' x 3"	Each	1740.00
	l) " 6' x 4' x 4"	Each	2670.00
	j) " 6' x 4' x 3"	Each	2190.00
	k) (Pillow) 24' x 14' x 5"	Each	195.00
	l) (Cushion) 20' x 20' x 2"	Each	205.00
	m) " 18' x 18' x 2"	Each	140.00
	n) " 16' x 16' x 2"	Each	115.00
	o) " 15" x 15" x 2"	Each	100.00
70	Coir Geotextiles.	m ²	50.00
71	Coir rope		
72	Coir Yarn		
	Floor Paving stones (20mm thick)		
1	Grey Marble (Kumari)	m ²	507.00
2	Grey Marble (Bundi)	m ²	518.00
3	Black Marble (Plain)	m ²	563.00
4	Black Marble Makrana Dhobi Dongri Zebra.	m ²	413.00
5	White Marble abu plain	m ²	1388.00
6	White Marble Makrana I Quality plain	m ²	2858.00
7	White marble makrana II Quality	m ²	1283.00
8	Makrana Chalk Dongri Viened	m ²	555.00
9	Pink Marble (Adanga)	m ²	563.00
10	Pink Marble(Plain)	m ²	435.00
11	Pink Marble (Bundi Adanga)	m ²	386.00
12	Grey Marble (Abu Plain)	m ²	645.00
13	Green Marble (Bundi)	m ²	555.00
14	Brown Marble	m ²	518.00
15	Cuddapah slab for counter	m ²	282.00

16	Swar Bown	m ²	405.00
17	Oanex White	m ²	695.00
18	Ausper Brown/Grey	m ²	458.00
19	Kadne Ivory	m ²	750.00
20	Cuddapah Stone	m ²	242.00
21	Kottah Stones	m ²	491.00
22	Kottah Smaller tiles	m ²	393.00
23	Shahabad stones oneside polished	m ²	362.00
24	Shabad Smaller tiles	m ²	295.00
25	Ceramic floor tiles (ISO/ 1st quality)	m ²	322.00
26	Glazed tiles of marble finish (do.)	m ²	340.00
27	Rectified tiles (Joint free) (do.)	m ²	355.00
28	Vitrified Tiles (do.)	m ²	570.00
29	Marble stone piece for crazy flooring	Qtl	200.00
30	Marble Chips of various colours	Qtl	200.00
31	Metal Beeding Steel.	M	12.00
	Marble Tiles		
32	a.1x 1Ft., 1 x1'1/4Ft., 1 x1 1/2 Ft., 1 x1 3/4Ft.	m ²	194.00
	b.2 x2Ft., 2 x2 1/4Ft., 2x 21/2Ft., 2x2 3/4Ft., 2x 3Ft.,2x31/4., 2x31/2Ft.	m ²	237.00
	Granite Polished Slab (20mm thick)		
33	Jet black	m ²	1120.00
	a) 2x1 Ft. Tiles (10mm thick)	do	560.00
34	Tel. Black	do	1630.00
	a) 2x1 Ft. Tiles (10mm thick)	do	815.00
35	Jem Red	do	1600.00
	a) 2x1 Ft. Tiles (10mm thick)	do	800.00
36	Cat eye Red	do	1420.00
	a) 2x1 Ft. Tiles (10mm thick)	do	710.00
37	Hassan Green	m ²	890.00
	a) 2x1 Ft. Tiles (10mm thick)	do	445.00
38	Pista Green	do	1180.00
	a) 2x1 Ft. Tiles (10mm thick)	do	590.00
39	Mayflour white	do	2100.00
40	Rosy Pink	do	830.00
	Note:- 1. The material having hair line crack shall not be used on any account. 2. The material that have been filled with hair line crack shall not be used.		
	Mosaic Tiles (24.85 cm x 24.85 cm or nearest size 22 mm thickness as per ISI Specifications. (IS I 237/1959)		
41	a) Do Grey colour	10 m ²	1170.00
	b) Do Pearl colour	do	1246.00
	c) Do Silver grey colour	do	1514.00
	d) Do Merry gold colour	do	1511.00
	e) Do Red or Chocolate colour	do	1511.00
	f) Do Black colour	do	1323.00
	g) Do Yellow colour	do	1549.00
42	(29.85 cm x 29.85 cm ore nearest size 25 mm thickness as per IS Specifications.		

	a) Do	Grey colour	10 m ²	1175.00
	b) Do	Pearl colour	do	1229.00
	c) Do	Silver grey colour	do	1894.00
	d) Do	Merry gold colour	do	1894.00
	e) Do	Red or Chocolate colour	do	1894.00
	f) Do	Black colour	do	1558.00
	g) Do	Yellow colour	do	1932.00
43	Commercial Plywood			
	a. 4mm thick	3 ply	m ²	162.00
	b. 6mm do.	3 Ply	do	227.00
	c. 8mm do.	5 ply	do	273.00
	d. 9mm do.	5 ply	do	297.00
	e. 12mm do.	7 ply	m ²	372.00
	f. 16mm do.	7 ply	m ²	447.00
	g. 18MM do.	9 ply	m ²	521.00
	h. 25mm do.	11 ply	m ²	659.00
44	Shuttering Plywood (water resistant)			
	a. 4mm thick		m ²	324.00
	b. 6mm thick		do	362.00
	c. 9mm thick		do	521.00
	d. 12mm thick		do	607.00
	e. 16mm thick		m ²	875.00
	f. 19mm thick		m ²	1006.00
45	Commercial black boards			
	a. 19mm thick		m ²	370.00
	b. 25mm thick		do	447.00
	c. 30mm thick		do	521.00
	d. Teak wood veneer board 4mm thick		do	187.00
	e. Teak wood veneer 4mm. (without ply)		do	177.00
46	Decorative Teak plywood			
	a. Do.	3.5mm thick	m ²	343.00
	b. Do.	6mm	do	424.00
	c. Do.	9 mm	do	559.00
	d. Do.	12mm	do	674.00
47	Teak wood veneered block board			
	a. 25mm thick		m ²	807.00
	b. 30mm thick		do	1068.00
48	Hard board 4mm thick		do	74.00
49	Laminated sheets 8 mm thick		do	190.00
50	Do.	9 mm thick	do	323.00
51	Do.	10 mm thick	do	405.00
52	Thermocoal 12mm or nearest thickness		do	30.00
53	Thermocoal 20mm or nearest thickness.		do	55.00
54	Flexible ply wood			
	a. 3.5mm thick		m ²	313.00
	b. 6mm thick		do	468.00
	c. 7.5mm thick		do	550.00
55	ARCHITECT PLYWOOD CLASIC			
	a. 4mm thick		m ²	275.00
	b. 6mm thick		do	413.00

	c. 9mm thick	do	484.00
	d. 12mm thick	do	616.00
	e. 16mm thick	do	814.00
	f. 19mm thick	do	951.00
	g. 25mm thick	do	1413.00
	h. 30mm thick	do	1765.00
56	Plain particle Board (PPB)		
	a. Plain particle board 12mm thick	m ²	281.00
	b Do 18mm thick	do	341.00
	c Do 25mm thick	do	420.00
	d. Melamine faced (PLB)	do	
	(Prelaminated Board) 12 mm thick.	do	642.00
	e. Do 18mm thick	m ²	712.00
	f. Do 25mm thick		
	g. Do (P.L.T.) 12 mm thick.	m ²	798.00
	h. Do Prelaminated twin 18mm thick	do	712.00
	l. Do Prelaminated twin 25mm thick	do	693.00
57	Medium Density Fibre Boards IS 12406/88		
	(1) Interior grade		
	a. 6mm M.D.F	m ²	207.00
	b. 8mm M.D.F	do	239.00
	c. 10mm M.D.F	do	272.00
	d. 12mm M.D.F	m ²	323.00
	e. 15mm M.D.F	m ²	409.00
	f. 18mm M.D.F	m ²	472.00
	g. 25mm M.D.F	do	651.00
	h. 30mm M.D.F	do	770.00
	l. 35mm M.D.F	do	874.00
	(2) Exterior Grade		
	a. 6mm M.D.F	m ²	248.00
	b. 8mm M.D.F	do	287.00
	c. 10mm M.D.F	do	328.00
	d. 12mm M.D.F	do	388.00
	e. 15mm M.D.F	do	482.00
	f. 18mm M.D.F	m ²	539.00
	g. 25mm M.D.F	do	730.00
	h. 30mm M.D.F	do	892.00
	l. 35mm M.D.F	do	1054.00
58	Aluminium Sections (ISO Certified)		
	a. Pure Polyester powder coated	kg	215.00
	b. Anodised Aluminium	kg	190.00
59	Auminium Grill		
	a. 7.5mm thick Pure Polyester Powder Coated	m ²	1950.00
	b. 10mm thick Pure polyester powder Coated	do	2225.00
60	Toughened Safty Glass		
	a. Toughened Safty Glass without Tong 4mm thick	m ²	525

	b.	Do	5mm thick	m ²	600
	d.	Do	6mm thick	m ²	750
	e..	Do	8mm thick	m ²	1375
	f.	Do	10mm thick	m ²	1750
	g.	Do	12mm thick	m ²	2000
61	Solid PVC Door				
	a.	Door Frame 50x47x5mm with 19x19mmx19g MS square tube		m	246.00
	b.	30mm thick solid PVC door reinforced with 19x19x9g MS sq. tube		m ²	1750.00

PART III

RATES FOR WATER SUPPLY AND SANITARY ITEM

Sl. No	Description	Unit	Rates effective from 1.4.2008
1	G.I. Pipe 15mm dia or nearest size (B Class.)	m	59.50
2	Do 20mm do.	do	77.00
3	Do 25mm do.	do	110.00
4	Do 32mm do.	do	128.00
5	Do 40mm do.	do	154.00
6	Do 50mm do.	do	217.00
7	Do 65mm do.	do	264.00
8	G.I. Sockets or couplings 15mm or nearest size(B Class)	Each	8.50
9	Do 20mm do.	do	10.50
10	Do 25mm do.	do	17.00
11	Do 32mm do.	do	24.00
12	Do 40mm do.	do	31.50
13	Do 50mm do.	do	51.50
14	G.I. Tees 15mm dia or nearest size (B Class)	Each	14.00
15	Do 20mm do.	do	21.00
16	Do 25mm do.	do	33.00
17	Do 32mm do.	do	44.00
18	Do 40mm do.	do	65.00
19	Do 50mm do.	do	92.50
20	G.I. Elbows 15mm (B Class)	Each	10.50
21	Do 20mm do.	do	15.00
22	Do 25mm do.	do	23.00
23	Do 32mm do.	do	38.00
24	Do 40mm do.	do	48.00
25	Do 50mm do.	do	67.00
26	G.I. Bends 15mm dia or nearest size (B Class)	Each	10.50
27	Do 20mm do.	do	14.00
28	Do 25mm do.	do	24.00
29	Do 32mm do.	do	37.00
30	Do 40mm do.	do	48.00
31	Do 50mm do.	do	77.00
32	G.I. Hex Nipple 15mm dia or nearest size (B Class)	Each	10.50
33	Do 20mm do.	do	15.00
34	Do 25mm do.	do	24.00
35	Do 32mm do.	do	35.00
36	Do 40mm do.	do	44.00
37	Do 50mm do.	do	65.00
38	G.I. Plugs 15mm dia or nearest size (B Class)	do	3.00
39	Do 20mm do.	do	7.00
40	Do 25mm do.	do	9.00
41	Do 32mm do.	do	17.00
42	Do 40mm do.	do	25.00
43	Do 50mm do.	do	33.00
44	G.I. Check nuts 15mm dia or nearest size (B Class)	do	5.50
45	Do 20mm do.	do	8.00

46	Do	25mm	do.	Each	12.00
47	G.I. Check nuts	32mm dia or nearest size	(B Class)	Each	18.00
48	Do	40mm dia or nearest size	(B class)	Each	23.00
49	Do	50mm	do.	do	33.00
50	G.I. Reducing fitting tee	20mm X 15mm or nearest size	(B Class)	do	26.00
51	Do	20mm x 20mm	do.	do	32.00
52	Do	25mm X25mm	do.	do	36.00
53	Do	32mmx15mm	do.	do	39.00
54	Do	32mmx20mm	do.	do	51.00
55	D0	32mm x 25mm	do.	do	51.00
56	Do	40mmx15mm	do.	do	67.00
57	Do	40mmx20mm	do.	do	67.00
58	Do	40mmx25mm	do.	do	67.00
59	Do	40 mm x 32mm	do.	do	71.00
60	Do	50mmx15mm	do.	do	} 96.00
61	Do	50mmx20mm	do.	do	
62	Do	50mmx25mm	do.	do	
63	Do	50mmx32mm	do.	do	
64	Do	50mmx40mm	do.	do	
65	G.I Reducing sockets	20mmx15mm	(B Class)	do	14.00
66	Do	25mmx20mm	do.	do	21.00
67	Do	25mmx15mm	do.	do	23.00
68	Do	32mmx15mm	do.	do	24.00
69	Do	32mmx20mm	do.	do	31.00
70	Do	32mmx25mm	do.	do	31.00
71	Do	40mmx15mm	do.	do	} 42.00
72	Do	40mmx20mm	do.	do	
73	Do	40mmx25mm	do.	do	
74	Do	40mmx32mm	do.	do	} 58.00
75	Do	50mmx15mm	do.	do	
76	Do	50mmx20mm	do.	do	
77	Do	50mmx25mm	do.	do	
78	Do	50mmx32mm	do.	do	
79	Do	50mmx40mm	do.	do	130.00
80	G.I. Reducing elbows	20mmx15mm	(B Class)	do	18.00
81	Do	25mmx20mm	do.	do	25.00
82	Do	25mmx15mm	do.	do	25.00
83	Do	32mmx15mm	do.	do	34.00
84	Do	32mmx20mm	do.	do	43.00
85	Do	32mmx25mm	do.	do	43.00
86	Do	40mmx15mm	do.	do	47.00
87	Do	40mmx20mm	do.	do	47.00
88	Do	40mmx25mm	do.	do	47.00
89	Do	40mmx32mm	do.	do	47.00
90	Do	50mmx15mm	do.	do	61.00
91	Do	50mmx20mm	do.	Each	72.00
92	Do	50mm x 25mm	do.	do	72.00
93	Do	50mm x 40mm	do.	do	89.00
94	S.D.B Taps, Brass and Gun metal	15 mm (400) gms		do	148.00
95	S.D.B Taps, Brass and Gun metal	20mm or nearest size (750)grams		do	238.00

96	Wheel valves, halfway, brass	15mm or nearest size (Heavy)	do	105.00
97	Do	20mm	Each	157.00
98	Wheel valves, halfway, brass	25mm or nearest size (Heavy)	Each	205.00
99	Wheel valve, half way, brass	32mm	Each	435.00
100	Do	40mm	do	653.00
101	Do	50mm	do	786.00
102	G.M. fullway wheel valve	15 mm	do	188.00
103	Do	20mm	do	255.00
104	Do	25mm	do	385.00
105	Do	32mm	do	550.00
106	Do	40mm	do	752.00
107	Do	50mm	do	1165.00
108	Brass and gun metal stop cocks	15mm or nearest size	do	163.00
109	Do	20mm	do	282.00
110	House union cock, 15mm or	nearest size (Heavy quality)	do	166.00
111	Do	20mm	do	253.00
112	Brass ferrules	15mm or nearest size	do	31.00
113	Do	20mm	do	56.00
114	Do	25mm	do	67.00
115	Do	32mm	do	146.00
116	Do	40mm	do	179.00
117	Do	50mm	do	302.00
118	Shower Rose, C.P. ordinary		do	78.00
119	40mm	Do.	do	142.00
120	25mm or nearest size galvanized mild steel clamps or hooks		do	1.10
121	20mm	Do.	do	1.10
122	15mm or nearest size gal. mild steel clamps or hooks		do	1.10
123	G.I. Pipes 75mm dia or nearest size	(B Class)	m	311.00
124	G.I. 75mm dia. Or nearest size Sockets or coupling		Each	126.00
125	Do.	Tees or coupling	do	234.00
126	Do .	Elbows	do	184.00
127	Do.	Bends	do	294.00
128	Do.	Hex. Nipple	do	105.00
129	Do.	Plugs	do	69.00
130	Do.	Checknuts	do	54.00
131	G.I. Barrel nipple 15mm / nearest size.		do	6.50
132	Do	20mm Do.	do	7.50
133	Do	25mm Do.	do	15.00
134	Do	32mm Do.	do	21.00
135	Do	40mm Do.	do	23.00
136	Do	50mm Do.	do	32.00
137	Do	75mm Do.	do	44.00
138	Wheel valves half way, brass	75mm	do	1710.00
139	G.M. fullway wheel valve	75mm	do	2120.00
140	20mm or nearest size G.I. union		do	36.00
141	25mm	Do.	do	53.00
142	50mm	Do.	do	146.00
143	75mm	Do.	do	376.00
144	Indian water closet, with P or S trap	450mm or nearest size	do	383.00
145	Do.	500mm do.	do	409.00

146	Indian water closet, with P or S trap 580mm or nearest size.	do	484.00
147	Orissa Pan Water closet 530x400mm or nearest size (white)	do	600.00
148	Do. (Light colour)	Each	902.00
149	Orissa Pan Water closet 530x400mm or nearest size (medium colour)	Each	1210.00
150	Orissa Pan Water closet 530x400mm or nearest size (hard colour)	Each	1513.00
151	Orissa Pan Water closet 580x440mm or nearest size (white)	do	809.00
152	Do. (Light colour)	do	1216.00
153	Do. (Medium colour)	do	1623.00
154	Do. (Hard colour)	do	2030.00
155	European water closet, with P or S trap (white)	do	634.00
156	Do. (Light colour)	do	879.00
157	Do. (Medium colour)	do	1238.00
158	Do. (Hard colour)	do	1562.00
159	Wash hand basin, without fittings 550mmx400mm or nearest size (white)	do	480.00
160	Do. (Light colour)	do	765.00
161	Do. (Medium colour)	do	920.00
162	Do. (Hard colour)	do	1145.00
163	Wash hand basin, without fittings 630mmx450mm or nearest size. (white)	do	820.00
164	Do. (Light colour)	do	1080.00
165	Do. (Medium colour)	do	1545.00
166	Do. (Hard colour)	do	1950.00
167	Trap P or S	do	98.00
168	15mm or nearest size C.P.pillar tap for W.H. basin (Heavy)	do	242.00
169	32mm C.P. waste with chain and plug	do	6.00
170	Porcelain stopper	do	6.00
171	Lipped urinal (430mmx230mmx350mm) or nearest size	do	368.00
172	Urinal flat-Large 610x400x380mm	do	797.00
173	Porcelain Division Plate for Urinal	do	367.00
174	32mm or nearest size G.I. Telescope flush pipe, 1.80m or nearest length.	do	210.00
175	Porcelain flushing cistern 15 litres.	do	1175.00
176	15mm or nearest size lead and brass connection medium quality.	do	97.00
177	32mm or nearest size lead pipe (3kg/m)	do	374.00
178	40mm Do. (3.2Kg/m)	do	484.00
179	50mm Do. (4.15Kg/m)	do	561.00
180	50mm dia C.I. Nahini trap	do	104.00
181	32mm dia. nearest size lead trap	do	165.00
182	50mm Do.	do	325.00
183	450mmx450mm C.I. Manhole cover 50Kg. or nearest size	do	1600.00
184	Do. 25Kg. Do.	do	850.00
185	Do. 15 Kg. light type	do	495.00
186	G.I. Step for manholes (weighting 1Kg.)	do	57.00
187	G.M. ball valve with polythene float for 15mm connection	do	169.00
188	G.M. ball valve with polythene float for 20mm connection	do	203.00
189	G.M. ball valve with polythene float for 25mm connection	do	279.00
190	100mm dia or nearest A.C. pipe	m	41.00
191	75mm Do.	do	36.00
192	50mm Do.	m	28.00
	Duro plastic seat and cover for European Closet.		
193	Do. Black	Each	232.00
194	Do. White	do	311.00

195	Do. Colour	do	370.00
196	100mm dia or nearest size A.C. door junction.	do	91.00
197	Do. door bend	do	72.00
198	Do. plain bend	Each	39.00
199	100 mm dia or nearest size A.C. offset for 75mm to 150mm projection	Each	52.00
200	100 mm dia or nearest size A.C. cowl	Each	34.00
201	Do. A.C. socket	do	13.00
202	Do. A.C. Shoe	do	33.00
203	Do. 100mmx100mm or nearest size double junction with door	do	117.00
204	Do. Plain junction	do	85.00
205	75mm dia or nearest size A.C. door junction.	do	78.00
206	Do. nearest size A.C. plain junction	do	52.00
207	Do. Plain bend	do	39.00
208	Do. door bend	do	52.00
209	Do. offset from 75mm to 150mm projection	do	52.00
210	Do. A.C. socket	do	10.00
211	Do. A.C. cowl	do	29.00
212	50mm dia or nearest size A.C. door bend	do	52.00
213	Do. Plain bend	do	29.00
214	Do. door junction	do	65.00
215	Do. Plain junction	do	39.00
216	Do. offset 75mm to 150mm	do	39.00
217	Do. A.C. socket	do	9.00
218	Do. A.C. cowl	do	22.00
219	100mm dia or nearest size S.W. pipe 60cm.	do	26.00
220	Do. Bend	do	38.00
221	100mm dia or nearest size Tee junction	do	45.00
222	Do. Gully trap	do	45.00
223	150mm or nearest size S.W. pipe 60cm	do	54.00
224	Do. Bend	do	60.00
225	Do. Junction	do	82.00
226	225mmx225mm or nearest size C.I. Grating	do	43.00
227	150mm x150mm or nearest size C.I. Grating	do	33.00
228	White glazed tiles 200mmx200mm size (I S O / I st quality)	10Nos	120.00
229	Coloured tiles 200mmx200mm size do.	do	125.00
230	60cmx20mm or 16mm(or nearest size) C.P. Towel rod with brackets	Each	144.00
231	Automatic flushing tank-5 litre capacity or nearest size(Porcelain)	do	682.00
232	Laboratory Sink with overflow hole 450mmx300mmx150mm or nearest size	do	700.00
233	Do. 530mmx430mmx180mm or nearest size	Each	1385.00
234	Kitchen sink with overflow hole, 600mmx450mmx250mm or nearest size	Each	2145.00
235	Kitchen Sink with overflow hole, 610mmx450mmx200mm (fire clay)	do	2054.00
236	Pedestal for wash basin	do	609.00
237	Soap tray procelain.	do	126.00
238	Toilet, Paper holder-Porcelain	do	116.00
239	Recessed toilet paper holder porcelain with rod	do	204.25
240	Recessed soap tray 150mmx150mm holder (porcelain)	do	126.00
241	Porcelain foot rest	pair	96.00
242	Drain Board for Kitchen sink, Fire clay	Each	810.00
243	Liquid soap container C.P.	do	152.25

244	C.I. Bracket for basins	pair	55.00
245	C.I. Bracket for kitchen sink	do	157.50
246	40mm C.P. waste with chain and plug	Each	117.00
247	50mm Do.	do	166.25
248	150mm dia. or nearest size A.C. pipe	m	117.00
249	150mm A.C double equal junction	Each	156.00
250	150mm A.C double equal junction - with door	Each	169.00
251	150mm A.C. offset 75mm to 150mm projection	Each	117.00
252	150mm Plain bend	do	98.00
253	150mm A.C. door bend	do	111.00
254	Do. single plain junction	do	130.00
255	Do. single door junction	do	124.00
256	Do. A.C sockets	do	26.00
257	Do. A.C Vent Cowl	do	65.00
258	Motelled tiles 100x100mm or nearest size 5mm thick	10Nos.	79.00
259	Shower rose, C.P. adjustable type good quality	Each	226.00
260	Solvent cement for P.V.C pressure pipes	Kg.	189.00
261	C.P. Elbow action Pillar cock with 22.5cm handle	Each	378.00
262	32mm P.V.C. waste pipe heavy with C.P.leading nut.	do	58.00
263	Aluminium anodised towel rail with independent bracket or flanged ends	do	84.00
264	P.V.C. ball suitable for 15mm ball valve best quality unbreakable	do	20.00
265	P.V.C. ball suitable for 20mm ball valve best quality unbreakable	do	20.00
266	P.V.C. ball suitable for 25mm ball valve best quality unbreakable	do	34.00
267	P.V.C. ball suitable for 32mm ball valve best quality unbreakable	do	65.00
268	P.V.C. ball suitable for 40mm ball valve best quality unbreakable	do	95.00
269	G.M. ball valve with polythene float for 32 mm connection (heavy quality)	do	345.00
270	G.M ball valve with polythene float for 40 mm connection	do	470.00
271	C.P. Tap- short body 15mm	do	386.00
272	Do. long body 15mm	do	463.00
	Water supply fittings - P.V.C. items		
1	20mm PVC pipe (12 kgf/cm ²)	m	14.00
2	25mm Do.	do	22.00
3	32mm Do.	do	32.00
4	40mm Do.	do	39.00
5	50mm Do.	do	60.00
6	63mm Do.	do	87.00
7	75mm Do.	Each	131.00
8	90mm Do.	Each	174.00
9	110mm Do.	do	260.00
10	20mm PVC pipe (10 kgf/cm ²)	do	11.00
11	25mm Do.	do	15.00
12	32mm Do.	do	23.00
13	40mm Do.	do	38.50
14	50mm Do.	m	50.00
15	63mm Do.	do	74.00
16	75mm Do.	do	112.00
17	90mm Do.	do	153.00
18	110mm Do.	do	230.00
19	25mm (8 kgf/cm ²)	do	12.50
20	32mm Do.	do	20.00

21	40mm	Do.	do	28.00
22	50mm	Do.	do	41.00
23	63mm	Do.	do	65.00
24	75mm	Do.	do	95.00
25	90mm	Do.	do	133.00
26	110mm	Do.	do	204.00
27	40mm	(6 kgf/cm ²)	m	25.00
28	50mm	(6 kgf/cm ²)	m	38.00
29	63mm	(6 kgf/cm ²)	m	56.00
30	75mm	Do.	do	79.00
31	90mm	Do.	do	111.00
32	110mm	Do.	do	173.00
33	63mm	(4 kgf/cm ²)	do	40.00
34	75mm	Do.	do	55.00
35	90mm	Do.	do	79.00
36	110mm	Do.	do	130.00
37	90mm	(2.5 kgf/cm ²)	do	73.00
38	110mm	(2.5 kgf/cm ²)	m	87.00
39	20mm P.V.C. elbow best quality for pressure lines		Each	3.00
40	25mm P.V.C. elbow pipe pasted type good quality		do	4.00
41	32mm	Do.	do	6.00
42	40mm	Do.	do	9.00
43	50mm	Do.	do	17.00
44	63mm	Do.	do	35.00
45	75mm	Do.	do	44.00
46	90mm	Do.	do	65.00
47	110mm	Do.	do	108.00
48	20mm P.V.C. Tee		do	4.00
49	25mm	Do.	do	5.00
50	32mm	Do.	do	8.50
51	40mm	Do.	do	16.00
52	50mm	Do.	do	21.00
53	63mm	Do.	do	43.00
54	75mm	Do.	do	61.00
55	90mm	Do.	Each	87.00
56	110mm	Do.	Each	126.00
57	20mm P.V.C. coupling		do	2.00
58	25mm	Do.	do	3.00
59	32mm	Do.	do	4.00
60	40mm	Do.	do	7.00
61	50mm	Do.	do	10.00
62	63mm	Do.	do	15.00
63	75mm	Do.	do	21.00
64	90mm	Do.	do	29.00
65	110mm	Do.	do	49.00
66	20mm P.V.C. adapter(Male)		do	2.00
67	25mm	Do.	do	3.00
68	32mm	Do.	do	4.00
69	40mm	Do.	do	6.00
70	50mm	Do.	do	9.50

71	63mm Do.	do	15.00
72	75mm Do.	do	23.00
73	90mm Do.	do	31.00
74	110mm Do.	do	53.50
75	20mm P.V.C. Adapter (Female)	do	2.00
76	25mm Do.	do	3.00
77	32mm Do.	do	7.00
78	40mm Do.	Each	8.50
79	50mm P.V.C. Adapter (Female)	Each	12.00
80	63mm P.V.C. Adapter (Female)	Each	25.00
81	25x25mm P.V.C. Adapter (Female)	do	5.00
82	32x25mm Do.	do	6.00
83	40x32mm Do.	do	13.00
84	50x40mm Do.	do	21.00
85	63x50mm Do.	do	34.00
86	75x63mm Do.	do	42.00
87	90x75mm Do.	do	89.00
88	90x63mm Do.	do	79.00
89	110x90mm P.V.C. adapter (Female)	do	120.00
90	20mm P.V.C. End cap	do	2.00
91	25mm P.V.C. End cap	do	3.00
92	32mm Do.	do	4.00
93	40mm Do.	do	7.00
94	50mm Do.	do	8.00
95	63mm Do.	do	13.00
96	75mm Do.	do	18.00
97	90mm Do.	do	29.00
98	110mm Do.	do	44.00
99	25x20mm P.V.C. reducer	do	3.00
100	32x20mm Do.	do	5.00
101	32x25mm Do.	do	5.00
102	40x20mm Do.	do	8.00
103	40x25mm Do.	do	9.00
104	40x32mm Do.	do	12.00
105	50x20mm Do.	do	13.00
106	50x25mm Do.	do	11.00
107	50x32mm Do.	do	11.00
108	50x40mm Do.	do	12.00
109	63x20mm Do.	do	29.00
110	63x25mm Do.	do	29.00
111	63x32mm Do.	do	29.00
112	63x40mm Do.	do	23.00
113	63x50mm Do.	do	26.00
114	75x20mm Do.	do	40.00
115	75x25mm Do.	do	38.00
116	75x32mm Do.	do	32.00
117	75x40mm Do.	do	24.00
118	75x50mm Do.	do	26.00
119	75x63mm Do.	do	11.00
120	90x20mm P.V.C. reducer	do	65.00

121	90x25mm	Do.	do	55.00
122	90x32mm	Do.	do	48.00
123	90x40mm	Do.	do	47.00
124	90x50mm	Do.	do	46.00
125	90x63mm	Do.	do	33.00
126	90x75mm	Do.	do	35.00
127	110x32mm	Do.	do	75.00
128	110x40mm	Do.	do	72.00
129	110x50mm	Do.	Each	69.00
130	110x63mm	P.V.C. reducer	Each	63.00
131	110x75mm	P.V.C.Reducer	Each	53.00
132	110x90mm	Do.	do	51.00
133	25x20mm	P.V.C. reducing elbow	do	7.50
134	32x20mm	Do.	do	12.00
135	32x25mm	Do.	do	14.00
136	40x20mm	Do.	do	18.00
137	40x25mm	Do.	do	16.00
138	40x32mm	Do.	do	15.00
139	50x20mm	Do.	do	30.00
140	50x25mm	Do.	do	29.00
141	50x32mm	Do.	do	27.00
142	50x40mm	Do.	do	26.00
143	63x20mm	Do.	do	55.00
144	63x25mm	P.V.C. reducing elbow	do	51.00
145	63x32mm	Do.	do	48.00
146	63x40mm	Do.	do	55.00
147	63x50mm	Do.	do	42.00
148	75x20mm	Do.	do	67.00
149	75x63mm	Do.	do	61.00
150	75x50mm	Do.	do	64.00
151	75x40mm	Do.	do	65.00
152	90x40mm	Do.	do	108.00
153	90x50mm	Do.	do	104.00
154	90x63mm	Do.	do	94.00
155	90x75mm	Do.	do	85.00
156	110x63mm	Do.	do	165.00
157	110x75mm	Do.	do	153.00
158	110x90mm	Do.	do	147.00
159	25x20mm	P.V.C. reducing Tee	do	9.00
160	32x25mm	Do.	do	14.00
161	32x20mm	Do.	do	18.00
162	40x32mm	Do.	do	23.00
163	40x25mm	Do.	do	24.00
164	40x20mm	Do.	do	23.50
165	50x40mm	Do.	do	32.00
166	50x32mm	Do.	do	31.00
167	50x25mm	Do.	do	32.00
168	50x20mm	Do.	do	32.00
169	63x50mm	Do.	do	55.00
170	63x40mm	Do.	do	57.00

171	63x32mm Do.	do	61.00
172	63x25mm Do.	do	62.00
173	63x20mm Do.	do	64.00
174	75x63mm Do.	do	87.00
175	75x50mm Do.	do	91.00
176	75x40mm Do.	do	103.00
177	75x32mm Do.	do	114.00
178	75x25mm Do.	do	157.00
179	75x20mm Do.	do	154.00
180	90x75mm Do.	Each	121.00
181	90x63mm P.V.C. reducing Tee	Each	122.00
182	90x50mm P.V.C. Reducing Tee	Each	134.00
183	90x40mm Do.	do	142.00
184	90x32mm Do.	do	151.00
185	110x90mm Do.	do	161.00
186	110x63mm Do.	do	169.00
187	110x50mm Do.	do	175.00
188	25x20mm PVC Bushes.	do	3.00
189	25x20mm P.V.C. Bushes	do	3.00
190	35x25mm Do.	do	4.00
191	32x20mm Do.	do	4.00
192	40x20mm Do.	do	6.00
193	40x25mm Do.	do	6.00
194	40x32mm Do.	do	6.00
195	50x20mm Do.	do	9.00
196	50x25mm Do.	do	10.00
197	50x32mm P.V.C. Bushes	do	12.00
198	50x40mm Do.	do	10.00
199	63x20mm Do.	do	29.00
200	63x25mm Do.	do	27.00
201	63x32mm Do.	do	26.00
202	63x40mm Do.	do	23.00
203	63x50mm Do.	do	20.00
204	75x63mm Do.	do	23.00
205	90x75mm Do.	do	33.00
206	110x90mm Do.	do	58.00
207	20mm P.V.C. bend	do	3.00
208	25mm Do.	do	4.00
209	32mm Do.	do	6.00
210	40mm Do.	do	9.00
211	50mm Do.	do	13.00
212	63mm Do.	do	21.00
213	75mm Do.	do	52.00
214	90mm Do.	do	52.00
215	110mm Do.	do	99.00
216	63mm P.V.C. vent cowl	do	25.00
217	75mm Do.	do	32.00
218	90mm Do.	do	46.00
219	110mm Do.	do	54.00
220	40x450mm P.V.C. spout	do	21.00

**PART IV
CONVEYANCE OF MATERIALS BY HEAD LOAD (MANUAL LABOUR)**

Item No.	Materials	Unit of Rate	Up to 50 m	Over 50 m up to 100 m	Over 100 m up to 150 m	Over 150 m up to 200 m	Over 200 m up to 250 m	Over 250 m up to 300 m	Over 300 m up to 350 m	Over 350 m up to 400 m	Over 400 m up to 450 m	Over 450 m up to 500 m	For every additional 50 m or part thereof
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Ashlar, Split Stones and Blasted Rubble above 45 dm ³ in size.	m ³	42.60	68.90	95.30	121.20	148.00	178.70	205.50	232.30	286.70	286.70	26.80
2	Split Stones and blasted rubble 45 dm ³ and below in size, Laterite stones, Laterite chips, Earth gravel, sand and broken stones.	m ³	31.30	50.10	69.10	88.00	106.90	129.10	148.40	167.90	187.20	206.60	19.30
3	Timber scantlings, brick jelly, surky and lime.	m ³	15.50	24.40	33.35	42.20	51.10	61.70	70.70	79.90	88.90	98.00	9.25
4	Bricks, M.P. roofing tiles including hip and ridge tiles and flooring tiles 225x225mm and above in size	1000 Nos	41.65	67.45	93.50	119.30	145.20	175.55	202.30	228.80	255.60	282.00	26.60
	OR												
	PWD OF railway pattern tiles including hip and ridge tiles and flooring tiles below 225x225mm in size	3000 Nos											
5	Cement, Iron materials, A.C. Sheets and Bitumen.	T	15.00	24.70	34.30	43.80	53.60	64.70	74.65	84.60	94.40	104.30	9.70
<p><i>Note:-</i></p> <p>1. For hilly areas, 15% increase over the above rates may be allowed.</p> <p>2. If the size of the materials to be conveyed exceeds 45 dm³ (or 120 Kg) for each individual piece, an increase upto 20% may be allowed over the above rates, to cover hire charges of the special appliances used and the extra labour and time required in handling.</p> <p>3. The worked out rates given above include provision for picking up, carrying and depositing the materials except those given in the last column which are for carrying of the materials only .</p>													

**PART IV
CONVEYANCE OF MATERIALS BY BOAT**

Item No.	Materials	Unit of Rate	Up to 3 Km	Over 3 K m up to 4 km	Over 4 km up to 5 km	Over 5 km up to 6 km	Over 6 km up to 7 km	Over 7 km up to 8 km	Over 8km up to 9 km	Over 9 km up to 10 km	For every additional 1 km or part thereof beyond 10 km.
1	2	3	4	5	6	7	8	9	10	11	12
1	Ashlar, Split Stones and blasted Ashlar, split stones and blasted rubble above 45 dm ³ in size.	m ³	115.10	128.55	141.80	155.25	168.60	181.90	195.25	208.70	13.45
2	Split Stones and blasted rubble 45 dm ³ and below in size , Laterite stones, Laterite chips, Earth gravel, sand and broken stones.	m ³	74.75	85.00	95.30	105.70	115.90	126.15	136.40	146.70	10.20
3	Timber scantlings, brick jelly, surki and lime.	m ³	51.15	56.45	61.75	67.15	72.55	77.85	83.25	88.50	5.40
4	Bricks, M.P. Roofing tiles including hip and ridge tiles and flooring tiles 225x225mm and above in size.	1000 Nos	101.30	116.00	130.30	144.75	158.90	173.00	187.55	201.80	14.25
	OR										
	P.W.D. or Railway pattern tiles including hip and ridge tiles and flooring tiles below 225x225mm in size	3000 Nos									
5	Cement, Iron materials, A.C. Sheets and Bitumen.	T	125.35	131.20	137.10	142.90	148.80	154.80	160.40	166.40	5.85
	OR										
	Timber logs.	m ³									

Note:- The above rates are inclusive of loading and unloading charges. No extra head load or lift charge is to be given if the lead and lift involved are less than 50m and 1.5m respectively at each end. If it is more than this, separate charges for full lead and lift (without deducting initial lead and lift) will be allowed in addition to the above rates.

**PART IV
CONVEYANCE OF MATERIALS BY LORRY**

Item No.	Materials	Unit of Rate	Up to 5 Km	Over 5 Km up to 6 km	Over 6 km up to 7 km	Over 7 km up to 8 km	Over 8 km up to 9 km	Over 9 km up to 10 km	For every additional 1 km or part thereof
1	2	3	4	5	6	7	8	9	10
1	Ashlar, Split Stones and blasted rubble above 45 dm ³ in size.	m ³	210.90	223.00	235.30	247.50	259.40	271.60	12.20
2	Split Stones and blasted rubble 45 dm ³ and below in size, Laterite stones, Laterite chips, Earth gravel, sand and broken stones.	m ³	126.5	134.75	143.00	151.40	159.85	168.35	8.40
3	Timber scantlings, brick jelly, surki and lime.	m ³	100.40	108.00	115.40	122.80	130.40	137.90	7.50
4	Bricks, M.P. Roofing tiles including hip and ridge tiles and flooring tiles 225x225mm and above in size.	1000 Nos	168.00	181.35	192.90	204.35	215.70	227.10	11.40
	OR								
	P.W.D. or railway pattern tiles including hip and ridge tiles and flooring tiles below 225x225mm in size	3000 Nos							
5	Cement, Iron materials, A.C. Sheets and Bitumen.	T	187.20	191.35	195.50	199.75	203.80	207.90	4.25
	OR								
	Timber Logs	m ³							

charge is to be given if the lead and lift involved are less than 50m and 1.5m respectively at each end. If it is more than this, separate charges for full lead and lift (without deducting initial lead and lift) will be allowed in addition to the above rates.

2. For hilly area, 15 per cent increase in the above rates may be allowed.

Chief Engineer P.W.D.
N.H & Administration,
Thiruvananthapuram.