

GOVERNMENT OF ODISHA
WORKS DEPARTMENT

No. FA-Codes - 1/2012 - 6024/W

Office memorandum

Bhubaneswar the, 12.06.12

Sub: - Schedule of Rates-2012.

Consequent upon rising of market price of materials and enhancement of labour rate from time to time issued by Labour & Employment Department, it was felt necessary to revise the existing Schedule of Rates. After careful consideration, Government have been pleased to approve **Schedule of Rates-2012, and its supporting Analysis of Rates for Other Building Items (revised for items under SI No.1 TO 11)** placed in Chapter-XIX of Analysis of Rates-2006 for 2012.

This new Schedule of Rates-2012 and its supporting Revised Analysis of Rates for 2012 are effective from the date of issue of this order and it will be available in web-site of State Government.

To arrive at the rate for the finished item of works, the guidelines as laid down in Analysis Rates-2006 and supporting Revised Analysis of Rates for Other Building Items under (SL No. 1 TO 11) placed in Chapter-XIX of Analysis of Rates-2006 will be followed.

The Finance Department have concurred this Schedule of Rates-2012 and its supporting Revised Analysis of Rates for Other Building Items (SL No. 1 TO 11) placed in Chapter-XIX of Analysis of Rates-2006 for 2012 vide their U. O. R. No. 133 -WF-I dt. 11.4.2012. .


EIC-cum-Secretary to Government

Memo No. 6025 W., Dated, the 12-06-12

Copy with copy of the enclosure forwarded to P.S. to Hon'ble Chief Minister, Odisha for information and necessary action.

P. K. Patil
12.6.2012

FA- cum- Addl. Secretary to Government

Memo No. 6026 W., Dated, the 12-06-12

Copy with copy of the enclosure forwarded to OSD to Chief Secretary, Odisha / P.S. to Development Commissioner-cum-Additional Chief Secretary, Odisha / P.S. to Principal Secretary to Chief Minister, Odisha for information and necessary action.

P. K. Patil
12.6.2012

FA- cum- Addl. Secretary to Government

Memo No. 6027 W., Dated, the 12-06-12

Copy with copy of the enclosure forwarded to the EIC (Civil), Odisha/ EIC, Water Resources, Odisha/ EIC-cum-Principal Chief Electrical Inspector, Odisha/ FA-cum-Addl. Secretary to Govt. RD Deptt. / FA-cum-Addl. Secretary to Govt. W.R. Deptt. / FA-cum-Addl. Secretary to Govt. H&UD Deptt. / FA-cum-Addl. Secy. to Govt., Energy Deptt. / Joint Secy. to Govt., Finance Deptt. / Chief Engineer, DPI & Roads, Odisha/ Chief Engineer, Buildings, Odisha/ Chief Engineer, National Highways, Odisha/ Chief Engineer, R.D. & Q.P., Odisha/ Chief Engineer, World Bank Project, Odisha/ Chief Architect, Odisha/ Chief Engineer, Water Resources, Odisha/ Chief Engineer, R.W.-I, Odisha/ Chief Engineer, R.W.-II, Odisha/ Chief Engineer, P.H. (Urban), Odisha/ Chief Manager (Tech.), State Procurement Cell, Odisha for information.

P. K. Patil
12.6.2012

FA- cum- Addl. Secretary to Government

Memo No. 6028 W., Dated, the 12-06-12

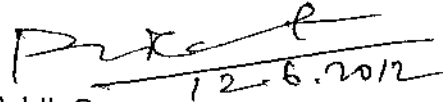
Copy with copy of the enclosure forwarded to Finance Department / Department of Water Resources / Housing & Urban Development Department/ / Rural Development Department/ Panchayati Raj Department/ All other Departments / Managing Director, OB & CC Ltd. / Managing Director, OCC Ltd. for information and necessary action.

P. K. Patil
12.6.2012

FA - cum- Addl. Secretary to Government

Memo No. 6029 W., Dated, the 12-06-12

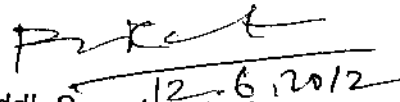
Copy with copy of the enclosure forwarded to the Accountant General (A&E), Odisha, Bhubaneswar/ Senior D.A.G. (Works Audit & Projects), Odisha, Puri for information and necessary action.


12.6.2012

FA - cum- Addl. Secretary to Government

Memo No. 6030 W., Dated, the 12-06-12

Copy with copy of the enclosure forwarded to the Chief Engineer, RD & QP (R&B), Odisha, Bhubaneswar and Chairman, Rate Board for information and necessary action.

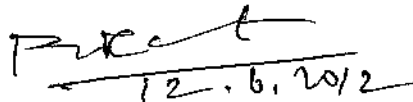

12.6.2012

FA - cum- Addl. Secretary to Government

Memo No. 6031 W., Dated, the 12-06-12

Copy with copy of the enclosure forwarded to the Superintending Engineer (P&D), O/o the EIC (Civil), Odisha and Member Convener, Rate Board for information and necessary action.

He is requested to pursue the matter of display of Schedule of Rates-2012 and its supporting Revised Analysis of Rates for Other Building Items (SL No. 1 TO 11) placed in Chapter-XIX of Analysis of Rates-2006 for 2012 in the web-site of State Government & publication in next issue of Odisha Gazette with the Head, State Portal Group, IT Centre, Ground Floor, North Annex of State Secretariat and the Director, Printing, Stationery & Publication, Odisha, Cuttack respectively.

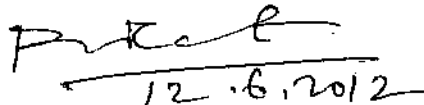

12.6.2012

FA - cum- Addl. Secretary to Government

Memo No. 6032 W., Dated, the 12-06-12

Copy with copy of the softcopy of Schedule of Rates-2012 forwarded to the Head, State Portal Group, IT Centre, Ground Floor, North Annex of State Secretariat for information and necessary action.

He is requested to display Schedule of Rates-2012 in the web-site of State Government.


12.6.2012

FA - cum- Addl. Secretary to Government

Memo No. 6033 W., Dated, the 12-06-12

Copy with copy of the softcopy of Schedule of Rates-2012 forwarded to the Director, Printing, Stationery & Publication, Odisha, Cuttack for information and necessary action.

He is requested to publish the Schedule of Rates-2012 in the next issue of Odisha Gazette.


12.6.2012
FA - cum- Addl. Secretary to Government

Memo No. 6034 W., Dated, the 12-06-12

Copy with copy of the enclosure forwarded to all Superintending Engineers / Executive Engineers for information and necessary action.


12.6.2012
FA - cum- Addl. Secretary to Government

Memo No. 6035 W., Dated, the 12-06-12

Copy with copy of the enclosure forwarded to all Officers / Sections P.S. to EIC-cum-Secretary to Govt., Works Department for information and necessary action.


12.6.2012
FA - cum- Addl. Secretary to Government



GOVERNMENT OF ODISHA

**DRAFT BASIC RATE OF MATERIALS FOR
RDC ZONES
(CENTRAL, NORTHERN & SOUTHERN),
RATE OF LABOUR, CONVEYANCE AND
HIRE CHARGES OF PLANTS AND
MACHINERIES**

FOR -2012

WORKS DEPARTMENT

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CHAPTER - I

BASIC RATE OF MATERIALS FOR 2012 (CENTRAL, NORTHERN AND SOUTHERN ZONES)

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone 2012	Rate for Northern Revenue Zone 2012	Rate for Southern Revenue Zone 2012
1	2	3	4	5	6
1	Well burnt clamp burnt bricks (25 Cm. x 12Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm ² with dimensional tolerance \pm 8 percent.	1000 Nos	3000.00	2675.00	2800.00
2	Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm ² with dimensional tolerance \pm 8 percent.	1000 Nos	2700.00	2432.00	2650.00
3	K.B. bricks (25 Cm x 12Cm x 8Cm) having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 8 percent.	1000 Nos	4500.00	3419.00	3654.00
4	K.B. bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 8 percent.	1000 Nos	4000.00	3107.00	3218.00
5	Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 2 %	1000 Nos	4200.00	4100.00	3800.00
6	Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 2 %	1000 Nos	3700.00	3500.00	3400.00
7	Fly ash blocks of 30 Cm. x 20 Cm. x 15 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 2 %	Each	13.00	14.00	12.00
8	Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm ²				
a.	400mm x 200mm x 200mm size	Each	23.00	25.00	23.00
b.	400mm x 150mm x 200mm size	Each	19.00	19.00	19.00
c.	400mm x 100mm x 150mm size	Each	13.00	14.00	13.00
d.	300mm x 200mm x 150mm size	Each	14.00	16.00	17.00
e.	300mm x 150mm x 150mm size	Each	12.00	13.00	12.00
f.	300mm x 100mm x 150mm size	Each	10.00	10.00	10.00
9	Cement concrete Hollow Blocks machine mixed and Hydraulic compressed having crushing strength not less than 70kg/cm ²				
a.	400mm x 200mm x 200mm size	Each	21.00	21.00	22.00
b.	400mm x 150mm x 200mm size	Each	17.00	17.00	15.00
c.	400mm x 100mm x 200mm size	Each	12.00	12.00	13.00
d.	300mm x 200mm x 150mm size	Each	12.00	12.00	13.00
e.	300mm x 150mm x 150mm size	Each	11.00	12.00	11.00
f.	300mm x 100mm x 150mm size	Each	9.00	10.00	9.00
10	K.B. bricks Khoa 4 Cm.size	1 Cum	300.00	278.00	274.00
11	Clamp burnt brick Khoa 4 cm. size.	1 Cum	262.00	225.00	224.00
12	Surki of clamp burnt bricks.	1 Cum	359.00	355.00	379.00
13	Surki of Kiln burnt bricks.	1 Cum	374.00	390.00	395.00
14	Screen washed gravel for concrete (12mm. to 20mm.)	1 Cum	120.00	108.00	118.00
15	Gravel or moorum	1 Cum	40.00	40.00	40.00
16	Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1 Cum	70.00	70.00	80.00
17	River single or Bajri (12mm. to 20mm.)	1 Cum	80.00	82.00	95.00
18	Screened and washed sharp sand for mortar	1 Cum	42.00	44.00	48.00
19	Sand for filling and road blinding	1 Cum	38.00	39.00	45.00
20	Clay mortar for masonry work with admixture of sand.	1 Cum	41.00	44.00	41.00
21	Stone lime unslaked.	1 Kg.	12.00	14.00	14.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone-2012	Rate for Northern Revenue Zone-2012	Rate for Southern Revenue Zone-2012
1	2	3	4	5	6
22	Ghooling lime unslaked.	1 Kg.	16.00	18.00	18.00
23	Shell lime unslaked.	1 Kg.	14.00	16.00	16.00
24	a) Granite broken stone of size not less than 0.0025 Cum. Stacked	1 Cum.	195.00	201.00	223.00
	b) Granite stone of size not less than 0.0025 Cum. picked up.	1 Cum.	170.00	183.00	182.00
25	Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	1 Cum.	160.00	164.00	158.00
26	Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	1 Cum.	140.00	145.00	155.00
27	Stone other than granite quarried, broken and staked above 0.003 Cum	1 Cum.	150.00	152.00	154.00
28	Stone other than granite picked up, broken and staked above 0.003 Cum	1 Cum.	140.00	149.00	156.00
29	Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve.				
	a) Crusher broken.	1 Cum.	540.00	552.00	589.00
	b) Hand broken.	1 Cum.	430.00	430.00	448.00
30	Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve)				
	a) Crusher broken.	1 Cum.	560.00	570.00	618.00
	b) Hand broken.	1 Cum.	432.00	442.00	469.00
31	Granite Stone broken metal 40mm. size				
	a) Crusher broken.	1 Cum.	620.00	618.00	638.00
	b) Hand broken.	1 Cum.	495.00	502.00	510.00
32	Granite Stone broken metal 26.5mm. size (Passing through 45mm sieve & retained on 22.4mm sieve)				
	a) Crusher broken.	1 Cum.	660.00	636.00	678.00
	b) Hand broken.	1 Cum.	500.00	506.00	519.00
33	Granite Stone broken metal 25mm. size (Passing through 40mm sieve & retained on 20mm sieve)				
	a) Crusher broken.	1 Cum.	670.00	657.00	695.00
	b) Hand broken.	1 Cum.	510.00	536.00	557.00
34	Granite Stone broken metal 22.4mm. size (Passing through 26.5mm sieve & retained on 11.2mm sieve)				
	a) Crusher broken.	1 Cum.	690.00	675.00	725.00
	b) Hand broken.	1 Cum.	530.00	553.00	583.00
35	Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve)				
	a) Crusher broken.	1 Cum.	880.00	901.00	908.00
	b) Hand broken.	1 Cum.	685.00	743.00	735.00
36	Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve)				
	a) Crusher broken.	1 Cum.	900.00	906.00	914.00
	b) Hand broken.	1 Cum.	700.00	749.00	747.00
37	Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve)				
	a) Crusher broken.	1 Cum.	910.00	924.00	938.00
	b) Hand broken.	1 Cum.	710.00	758.00	759.00
38	Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve)				
	a) Crusher broken.	1 Cum.	920.00	948.00	986.00
	b) Hand broken.	1 Cum.	730.00	765.00	772.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone- 2012	Rate for Northern Revenue Zone- 2012	Rate for Southern Revenue Zone- 2012
1	2	3	4	5	6
39	Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve)				
	a) Crusher broken.	1 Cum.	930.00	961.00	992.00
	b) Hand broken.	1 Cum.	730.00	765.00	772.00
(A)	Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	1 Cum.	625.00	642.00	644.00
(B)	Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	1 Cum.	550.00	578.00	581.00
40	Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	1 Cum.	560.00	588.00	597.00
41	Stone other than granite broken to 5cm. size.	1 Cum.	210.00	221.00	230.00
42	Stone other than granite broken to 4 cm. size.	1 Cum.	215.00	231.00	240.00
43	Stone other than granite broken to 2 cm. size.	1 Cum.	230.00	257.00	260.00
44	Stone other than granite broken to 1cm. size.	1 Cum.	240.00	264.00	280.00
45	Stone boulder 15cm. & above size granite picked up and nullah boulders.	1 Cum.	125.00	111.00	110.00
46	Soiling stone boulder 15Cm. & above size picked up nullah boulders broken.	1 Cum.	130.00	126.00	130.00
47	Stone boulder 15cm. & above size other than granite or laterite picked up and nullah boulders.	1 Cum.	100.00	105.00	106.00
48	Soiling stone boulder 15Cm. & above size other than granite or laterite picked up nullah boulders broken.	1 Cum.	110.00	113.00	118.00
49	Soiling stone boulders 10 Cm. size picked up other than granite.	1 Cum.	100.00	104.00	108.00
50	Hard broken soiling stone other than granite (40mm. to 90mm.)	1 Cum.	160.00	164.00	170.00
51	I.R.C. Grade I (90mm-45 mm.)	1 Cum.	520.00	510.00	530.00
52	I.R.C. Grade II (63mm. to 45mm.)	1 Cum.	580.00	562.00	588.00
53	I.R.C. Grade III (53mm. to 22.4mm.)	1 Cum.	620.00	609.00	636.00
54	Laterite soiling stone 23Cm. size	1 Cum.	85.00	86.00	90.00
55	Laterite Stone rough dressed	1 Cum.	480.00	461.00	509.00
56	Bamboo mat or talai.	1 Sqm.	100.00	106.00	108.00
57	Bamboo 1ST class 7Cm. to 10Cm. dia & above 6m. long.	Each	110.00	118.00	125.00
58	a) Belongi Bamboo 2.51 Cm. to 4Cm. dia & above 5m. long.	Each	25.00	22.00	21.00
	b) Belongi Bamboo above 4Cm. dia & up to 7Cm. dia & above 5m. long.	Each	33.00	32.00	32.00
59	Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	1Mtr	84.00	83.00	86.00
60	Sal bullahs 150mm. to 200mm. mean dia up to 5.5m. long.	1Mtr	94.00	89.00	95.00
61	Sal bullahs above 200mm. & up to 250mm. mean dia & up to 2.75m. long.	1Cum.	7280.00	7640.00	7500.00
62	Sal bullahs above 200mm. & up to 250mm. mean dia above 2.75m. long & up to 4.75m. long.	1Cum.	8200.00	8412.00	8650.00
63	Sal bullahs above 200mm. & up to 250mm. mean dia above 4.75m. long	1Cum.	9400.00	9707.00	9950.00
64	Sal bullahs above 250mm. & up to 380mm. mean dia & up to 2.75m. long	1Cum.	10550.00	10914.00	11060.00
65	Sal bullahs above 250mm. & up to 380mm. mean dia & above 2.75m. long up to 4.75m. long	1Cum.	13100.00	13412.00	13800.00
66	Sal bullahs above 250mm. & up to 380mm. mean dia & above 4.75m. long.	1Cum.	14500.00	15168.00	15000.00
67	Non-sal bullahs 75mm. mean dia of any length.	1Mtr.	40.00	40.00	42.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone- 2012	Rate for Northern Revenue Zone- 2012	Rate for Southern Revenue Zone- 2012
1	2	3	4	5	6
68	Non-sal bullahs 100mm. mean dia of any length.	1Mtr.	52.00	49.00	52.00
69	Non-sal bullahs 125mm. mean dia of any length.	1Mtr.	60.00	62.00	65.00
70	Non-Sal bullahs 150mm. to 200mm. mean dia of any length.	1Mtr.	75.00	75.00	80.00
71	Non-Sal bullahs above 200mm. & up to 250mm. mean dia up to 2.5m. long.	1Cum.	5200.00	5065.00	5112.00
72	Non-Sal bullahs above 200mm. & up to 250mm. mean dia above 2.5m. long.	1Cum.	5750.00	5513.00	5561.00
73	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & up to 2.75m. long.	1Cum.	27100.00	29820.00	27900.00
74	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & above 2.75m. long.	1Cum.	30200.00	32658.00	29600.00
75	Seasoned Sal wood beam of cross sectional area not less than 150Sq.cm. & least lateral dimension 100mm. & above 2,75m. long.	1Cum.	30400.00	32493.00	30100.00
76	Seasoned Sal wood planks not more than 75mm. thick & not less than 200mm. width.	1Cum.	27200.00	29685.00	27400.00
77	Seasoned Piasal wood planks for shutters.	1Cum.	44200.00	46507.00	43400.00
78	Seasoned Teak wood planks for shutters.	1Cum.	58000.00	64007.00	61300.00
79	Non Sal wood scantling & plants(Tentiera, Kasi, Gamhari, Kuruma)	1Cum.	16800.00	16828.00	16600.00
80	Non-Sal reapers.	1Cum.	10100.00	10719.00	11000.00
81	Fire wood	1Qntl	350.00	378.00	398.00
82	1st class Raniganj or Mangalore pattern tiles.	100 Nos.	750.00	834.00	840.00
83	Ridges of Raniganj or Mangalore pattern tiles.	100 Nos.	1200.00	1276.00	1328.00
84	Flat tiles(14Cm. x14 Cm.x 1Cm.)	1000 Nos.	240.00	274.00	260.00
85	Flat tiles (15Cm x15Cmx 1.2 Cm)	1000 Nos.	270.00	298.00	280.00
86	Flat tiles (30Cm. x 15 Cm.x 2.5 Cm.)	1000 Nos.	1090.00	1179.00	1170.00
87	Flat tiles (30Cm. x 30 Cm.x 2.5 Cm.)	1000 Nos.	1295.00	1383.00	1343.00
88	Pan tiles	1000 Nos.	260.00	277.00	277.00
89	Nuria tiles(20Cm. to 25Cm.)	1000 Nos.	570.00	628.00	630.00
90	Nuria tiles(25Cm. to 30Cm.)	1000 Nos.	680.00	756.00	759.00
91	Ridge tiles	1000 Nos.	785.00	862.00	865.00
92	Marble Tiles of minimum 16 mm thick, dunguri Variety.	1 Sqm.	450.00	450.00	450.00
	(a) Up to 0.10 Sqm.	1 Sqm.	550.00	550.00	550.00
	(b) Above 0.10 Sqm. to 0.40 Sqm.	1 Sqm.	620.00	620.00	620.00
	(c) Above 0.4 Sqm. to 1.00 Sqm.				
93	Kota Tiles of minimum 16 mm thick	1 Sqm.	333.00	333.00	333.00
	(a) Up to 0.10 Sqm.	1 Sqm.	407.00	407.00	407.00
	(b) Above 0.10 Sqm.	1 Sqm.	261.00	261.00	261.00
94	Khandolites (Up to 0.06 Sqm.)				
95	Granite Tiles	1 Sqm.	970.00	970.00	970.00
	(a) Up to 0.10 Sqm. (10mm thick)				
	(b) Above 0.10 Sqm	1 Sqm.	1100.00	1100.00	1100.00
	(i) Above 0.10 Sqm & up to 0.4 sqm (10mm. thick)	1 Sqm.	1730.00	1730.00	1730.00
	(ii) Above 0.40 sqm. (20mm thick)				
96	Kodappa Tiles of 10 mm thick	1 Sqm.	250.00	250.00	250.00
	(a) Above 0.1 Sqm & Up to 0.40 Sqm.	1 Sqm.	300.00	300.00	300.00
	(b) Above 0.40 Sqm.				

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone-2012	Rate for Northern Revenue Zone-2012	Rate for Southern Revenue Zone-2012
1	2	3	4	5	6
97	Dholpuri Stone Tiles.	1 Sqm.	330.00	330.00	330.00
98	Tiles up to-				
	(a) 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753	1 Sqm.	320.00	320.00	320.00
	(b) 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1 Sqm.	355.00	355.00	355.00
	(c) Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 13756 of following sizes	1 Sqm.			
	(I) Vitrified Tile 600mmx600mm Plain (Ivory)	1 Sqm.	550.00	550.00	550.00
	(II) Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	1 Sqm.	600.00	600.00	600.00
	(d) Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm	1 Sqm.	500.00	500.00	500.00
99	Chequered Tiles.	1 Sqm.	180.00	180.00	180.00
100	Terrazo Tiles.				
	(a) With grey cement.	1 Sqm.	206.00	206.00	206.00
	(b) With white cement	1 Sqm.	244.00	244.00	244.00
101	Red oxide Primer	1 Litre	108.00	108.00	108.00
102	Wood Primer	1 Litre	121.00	121.00	121.00
103	Wood Shine Paint	1 Litre	132.00	132.00	132.00
104	Plastic Emulsion paint	1 Litre	207.00	207.00	207.00
105	Enamel paint	1 Litre	160.00	160.00	160.00
106	Distemper	1 Kg.	55.00	55.00	55.00
107	Cement paint	1 Kg.	39.00	39.00	39.00
108	Red oxide powder	1 Kg.	97.00	97.00	97.00
109	French polish	1 Litre	143.00	143.00	143.00
110	Varnish	1 Litre	132.00	132.00	132.00
111	Plaster of paris	1 Kg.	10.00	10.00	10.00
112	Coal Tar	1 Kg.	37.00	37.00	37.00
113	G.C.I. Sheet				
	a) 0.30mm thick	1 Sqm.	237.00	237.00	237.00
	b) 0.40mm thick	1 Sqm.	242.00	242.00	242.00
114	A.C. Sheet	1 Sqm.	166.00	166.00	166.00
115	A.C. ridges	1 pair	156.00	156.00	156.00
116	6mm. Thick Plain A.C. Sheet	1 Sqm	207.00	207.00	207.00
117	Tar Paper	1 Sqm	15.00	15.00	15.00
118	Putty (Wood)	1 Kg.	24.00	24.00	24.00
119	Putty (Iron)	1 Kg.	88.00	88.00	88.00
120	Wire Nails	1 Kg.	50.00	50.00	50.00
121	M.S. Angle	1 Qntl.	Rate as fixed by SAIL	Rate as fixed by SAIL	Rate as fixed by SAIL
122	M.S. Channel	1 Qntl.	Rate as fixed by SAIL	Rate as fixed by SAIL	Rate as fixed by SAIL
123	Bolt, Nut & Washers	1 Kg.	66.00	66.00	66.00
124	Holding down bolts minimum 60 Cm. long with 15Cm. x 15 Cm. x 6mm. size washer plate	1 Kg.	64.00	64.00	64.00
125	Binding Wire.	1 Kg.	66.00	66.00	66.00
126	Coir String	1 Kg.	39.00	39.00	39.00
127.			330.00	330.00	330.00
a)	Empty Cement bags (HDPE) by lot & not shorted out	100 nos			
b)	Empty Cement gunny bags by lot & not shorted out	100 nos	330.00	330.00	330.00
c)	Empty Bitumen Drum	Each	110.00	110.00	110.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone-2012	Rate for Northern Revenue Zone-2012	Rate for Southern Revenue Zone-2012
1	2	3	4	5	6
d)	Empty Bitumen Emulsion Drum	Each	220.00	220.00	220.00
128	Straw in Bundle	100 nos	244.00	244.00	244.00
129	Marble Chips.	1qntl	516.00	516.00	516.00
130	Marble Powder	1qntl	309.00	309.00	309.00
131	Cement				
a)	33 Grade	1qntl	Average factory price of three manufacturers of cement inside the State.	Average factory price of three manufacturers of cement inside the State.	Average factory price of three manufacturers of cement inside the State.
b)	43 Grade				
c)	53 Grade				
132	White Cement.	1qntl	1725.00	1725.00	1725.00
133	Steel				
a)	Mild Steel	1qntl	Rate as fixed by SAIL	Rate as fixed by SAIL	Rate as fixed by SAIL
b)	HYSD (FE-415) / (FE500)	1qntl			
134	"Z" type Steel Sheet Piles	1qntl	4950.00	4950.00	4950.00
135	Bentonite powder	1qntl	245.00	245.00	245.00
	Oxidized mild steel fittings (I.S.I.)				
136	Butt hinges (I.S.I.)				
a)	50x37x1.50mm	Each	6.00	6.00	6.00
b)	75x47x0.70mm	Each	8.00	8.00	8.00
c)	100x58x1.90mm	Each	12.00	12.00	12.00
d)	125x65x2.12mm	Each	19.00	19.00	19.00
137	M.S. aldrip (I.S.I.)				
a)	250x16mm	Each	77.00	77.00	77.00
b)	300x16mm	Each	86.00	86.00	86.00
138	M.S. handle (I.S.I.)				
a)	100mm	Each	12.00	12.00	12.00
b)	125mm	Each	14.00	14.00	14.00
c)	150mm	Each	18.00	18.00	18.00
139	M.S. tower bolt (I.S.I.)				
a)	100x10mm	Each	15.00	15.00	15.00
b)	150x10mm	Each	22.00	22.00	22.00
c)	200x10mm	Each	29.00	29.00	29.00
140	M/S. Screw (I.S.I.)				
a)	12x3mm	100 pcs	25.00	25.00	25.00
b)	12x4mm	100 pcs	28.00	28.00	28.00
c)	20x4mm	100 pcs	32.00	32.00	32.00
d)	20x5mm	100 pcs	34.00	34.00	34.00
e)	25x4mm	100 pcs	36.00	36.00	36.00
f)	25x5mm	100 pcs	41.00	41.00	41.00
g)	30x4mm	100 pcs	42.00	42.00	42.00
h)	30x5mm	100 pcs	44.00	44.00	44.00
i)	30x6mm	100 pcs	47.00	47.00	47.00
j)	35x6mm	100 pcs	50.00	50.00	50.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone 2012	Rate for Northern Revenue Zone 2012	Rate for Southern Revenue Zone 2012
1	2	3	4	5	6
		100 pcs	53.00	53.00	53.00
k)	35x7mm	100 pcs	61.00	61.00	61.00
l)	35x8mm	100 pcs	66.00	66.00	66.00
m)	50x7mm	100 pcs	70.00	70.00	70.00
n)	50x8mm				
141	Steel window stay bar (I.S.I.)	Each	21.00	21.00	21.00
a)	200mm	Each	26.00	26.00	26.00
b)	250mm	Each	31.00	31.00	31.00
c)	300mm				
142	Steel window handle including Nut, bolt & washer (I.S.I.)	Each	18.00	18.00	18.00
a)	100mm	Each	22.00	22.00	22.00
b)	150mm		0.00		
143	Welded mesh	Sqm	157.00	157.00	157.00
a)	25mmx25mmx11 gauge	Sqm	145.00	145.00	145.00
b)	25mmx25mmx13 gauge	Sqm	145.00	145.00	145.00
c)	50mmx25mmx11 gauge	Sqm	132.00	132.00	132.00
d)	50mmx25mmx13 gauge	Sqm	132.00	132.00	132.00
144	G.I. "L" & "J" hook	Kg	55.00	55.00	55.00
145	W.I. clamp	Kg	64.00	64.00	64.00
	Aluminium fittings (I.S.I.)				
146	Butt hinges (I.S.I.)	Each	56.00	56.00	56.00
a)	125mmx75mmx4mm	Each	46.00	46.00	46.00
b)	125mmx63mmx4mm	Each	43.00	43.00	43.00
c)	100mmx75mmx4mm	Each	41.00	41.00	41.00
d)	100mmx63mmx4mm	Each	28.00	28.00	28.00
e)	75mmx63mmx4mm	Each	11.00	11.00	11.00
f)	50mmx35mmx3.2mm				
147	Aluminium handle (I.S.I.)	Each	24.00	24.00	24.00
a)	150mm with 175mm x 40mm flat	Each	24.00	24.00	24.00
b)	125mm with 175mm x 40mm flat	Each	23.00	23.00	23.00
c)	100mm with 150mm x 33mm flat	Each	22.00	22.00	22.00
d)	75mm with 118mm x 33mm flat	Each	22.00	22.00	22.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone-2012	Rate for Northern Revenue Zone-2012	Rate for Southern Revenue Zone-2012
1	2	3	4	5	6
148	Aluminium tower bolt (Barrel type) (I.S.I.)				
a)	300mm x 10mm	Each	55.00	55.00	55.00
b)	250mm 10mm	Each	50.00	50.00	50.00
c)	200mm x 10mm	Each	46.00	46.00	46.00
d)	150mm x 10mm	Each	39.00	39.00	39.00
e)	100mm x 10mm	Each	31.00	31.00	31.00
149	Sliding door bolt (Aldrop) (I.S.I.)				
a)	300mm x 16mm	Each	191.00	191.00	191.00
b)	250mm x 16mm	Each	180.00	180.00	180.00
150	Brass fittings(I.S.I.) Butt hinges (light/Ordinary) (I.S.I.)				
a)	125mm x 70mm x 4mm	Each	55.00	55.00	55.00
b)	100mm x 70mm x 4mm	Each	41.00	41.00	41.00
c)	75mm x 40mm x 2.5mm	Each	30.00	30.00	30.00
d)	50mm x 40mm x 2.5mm	Each	16.00	16.00	16.00
151	But hinges (Heavy type) (I.S.I.)				
a)	125mm x 85mm x 5.5mm (0.07 kg)	Each	169.00	169.00	169.00
b)	100mmx85mmx5.5mm (0.056Kg)	Each	152.00	152.00	152.00
c)	75mmx65mmx4mm (.02 kg)	Each	67.00	67.00	67.00
152	Brass tower bolt (Barrel type) (I.S.I.)				
a)	250mm x 10-mm	Each	173.00	173.00	173.00
b)	200mm x 10mm	Each	144.00	144.00	144.00
c)	150mm x 10mm	Each	108.00	108.00	108.00
d)	100mm x 10mm	Each	79.00	79.00	79.00
153	Brass Screws (I.S.I.)				
a)	50mm	100 Nos	147.00	147.00	147.00
b)	40mm	100 Nos	133.00	133.00	133.00
c)	30mm	100 Nos	115.00	115.00	115.00
d)	25mm	100 Nos	102.00	102.00	102.00
e)	20mm	100 Nos	76.00	76.00	76.00
154	Chromium plated fittings (Brass) (I.S.I.) Handle (I.S.I.)				
a)	125mm with 175 x 32mm plate	Each	123.00	123.00	123.00
b)	100mm with 150 x 25mm plate	Each	106.00	106.00	106.00
c)	75mm with 125 x 25mm plate	Each	92.00	92.00	92.00
155	Wall cement primer (I.S.I.)				
a)	Oil bound	1 ltr	99.00	99.00	99.00
b)	Water bound	1 ltr	128.00	128.00	128.00
156	Aluminium paint (I.S.I.)	1 ltr	143.00	143.00	143.00
157	Weather Coat (I.S.I.)	1 ltr	165.00	165.00	165.00
158	Adhesive (I.S.I.)	1 Kg	182.00	182.00	182.00
159	Bitumenous Expansion joint board (I.S.I.)				
a.	12mm thick	Sqm	593.00	593.00	593.00
b.	16mm thick	Sqm	843.00	843.00	843.00
c.	25mm thick	Sqm	1096.00	1096.00	1096.00
160	Barbed wire (I.S.I.)	Kg	55.00	55.00	55.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone- 2012	Rate for Northern Revenue Zone- 2012	Rate for Southern Revenue Zone- 2012
1	2	3	4	5	6
161	Glass plain (I.S.I.)				
a	3mm	Sqm	297.00	297.00	297.00
b	4mm	Sqm	341.00	341.00	341.00
c	5mm	Sqm	460.00	460.00	460.00
d	6mm	Sqm	525.00	525.00	525.00
e	8mm	Sqm	825.00	825.00	825.00
f	10mm	Sqm	1045.00	1045.00	1045.00
g	12mm	Sqm	1238.00	1238.00	1238.00
162	Glass pit headed (I.S.I.)				
a	4mm	Sqm	261.00	261.00	261.00
b	5mm	Sqm	339.00	339.00	339.00
163	Black glass (I.S.I.)				
a	4mm	Sqm	462.00	462.00	462.00
b	5mm	Sqm	562.00	562.00	562.00
c	6mm	Sqm	693.00	693.00	693.00
d	8mm	Sqm	1107.00	1107.00	1107.00
e	12mm	Sqm	1758.00	1758.00	1758.00
164	Frosted glass (I.S.I.)				
a	4mm	Sqm	462.00	462.00	462.00
b	5mm	Sqm	495.00	495.00	495.00
		Sqm	579.00	579.00	579.00
165	Wire glass - 6 mm (I.S.I.)		0.00		
166	Sun-control film (I.S.I.)				
a.	Reflective	Sqm	497.00	497.00	497.00
b.	Non-reflective	Sqm	350.00	350.00	350.00
167	Prelaminated particle board (standard type) (I.S.I.)				
a.	9mm	Sqm	541.00	541.00	541.00
b.	12mm	Sqm	619.00	619.00	619.00
c.	18mm	Sqm	688.00	688.00	688.00
d.	25mm	Sqm	818.00	818.00	818.00
168	BWR ply wood (I.S.I.)				
a	3mm	Sqm	252.00	252.00	252.00
b	4mm	Sqm	299.00	299.00	299.00
c	5mm	Sqm	433.00	433.00	433.00
d	9mm	Sqm	540.00	540.00	540.00
e	12mm	Sqm	712.00	712.00	712.00
f	16mm	Sqm	851.00	851.00	851.00
g	19mm	Sqm	999.00	999.00	999.00
h	25mm	Sqm	1437.00	1437.00	1437.00
169	BWR Block Board (I.S.I.)				
a	16mm	Sqm	727.00	727.00	727.00
b	19mm	Sqm	825.00	825.00	825.00
c	25mm	Sqm	945.00	945.00	945.00
d	32mm	Sqm	1185.00	1185.00	1185.00

Sl. No.	Name of items	Unit	Rate for Central Revenue Zone-2012	Rate for Northern Revenue Zone-2012	Rate for Southern Revenue Zone-2012
1	2	3	4	5	6
170	Vinyl Flooring (I.S.I.)				
(A)	Homogeneous Range (I.S.I.)				
i)	PVC (MF) Classic roll- 1.00mm thick	Sqm	264.00	264.00	264.00
ii)	PVC (MF) classic tile- 1.00mm thick	Sqm	304.00	304.00	304.00
iii)	PVC (MF) impress roll-1.50mm thick	Sqm	352.00	352.00	352.00
iv)	PVC (MF) impress tile-1.50mm thick	Sqm	406.00	406.00	406.00
v)	PVC (MF) super roll-2.00mm thick	Sqm	451.00	451.00	451.00
vi)	PVC (MF) super tile-2.00mm thick	Sqm	521.00	521.00	521.00
(B)	Heterogeneous Range (I.S.I.)				
i)	PVC (MF) Hetro roll- 2.00mm thick	Sqm	507.00	507.00	507.00
ii)	PVC (MF) hetro tile- 2.00mm thick	Sqm	574.00	574.00	574.00
171	Aluminium extruded section	Kg	226.00	226.00	226.00
172	Roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanised as per IS-277 with zinc of 120 gm / sq. mtr)				
a)	Outer frames Po-527	Mtr	300.00	300.00	300.00
b)	Intermediate mullion Po-528	Mtr	336.00	336.00	336.00
c)	Shutter frame Po-153	Mtr	249.00	249.00	249.00
d)	Fixed beeding Po-179	Mtr	124.00	124.00	124.00
e)	Sliding shutter Po-254	Mtr	152.00	152.00	152.00
f)	Outer frames(side / top) Po-255	Mtr	189.00	189.00	189.00
g)	Outer frames(bottom) Po-256	Mtr	126.00	126.00	126.00
h)	Sliding track (SS) Po-257	Mtr	494.00	494.00	494.00
i)	Sashbar Po-101	Mtr	467.00	467.00	467.00
j)	Sashbar at shutter Po-107	Mtr	253.00	253.00	253.00
k)	Louvered horizontal (Top / bottom) Po-193 A	Mtr	126.00	126.00	126.00
l)	33 x 57 Box Section	Mtr	305.00	305.00	305.00
m)	100x50mm Box Section	Mtr	460.00	460.00	460.00
n)	Small Z Section	Mtr	220.00	220.00	220.00
o)	Extended Z Section	Mtr	300.00	300.00	300.00
p)	Cover Profile	Mtr	110.00	110.00	110.00
	Accessories				
a)	sliding outer frame assembly / pc	Each	245.00	245.00	245.00
b)	sliding shutter /pc	Each	299.00	299.00	299.00
c)	Sashbar	Each	16.00	16.00	16.00
d)	wall fixing with polymide anchor at every 600mm c/c of outer frame	Each	25.00	25.00	25.00
e)	Outer frame corner	Each	38.00	38.00	38.00
f)	Top hung shutter / pc	Each	325.00	325.00	325.00
g)	Fixed mullion	Each	48.00	48.00	48.00
h)	Fixed glazing	Each	95.00	95.00	95.00
i)	Louvered blade	Each	25.00	25.00	25.00
j)	Side hung door / pc	Each	372.00	372.00	372.00
k)	Door lock / pc	Each	335.00	335.00	335.00
l)	Swing door shutter /pc	Each	186.00	186.00	186.00
m)	Floor Spring (Godrej Make)	Each	2769.00	2769.00	2769.00
	Gasket				
a)	For Shutter Po-153	Mtr	35.00	35.00	35.00
b)	For beading Po-179	Mtr	46.00	46.00	46.00
c)	For Sashbar Po-101	Mtr	102.00	102.00	102.00
173	Rate of 60 micron powder coating (including labour charges and material for powder coating) for aluminium section.	Kg of Aluminium	25.00	25.00	25.00
174	12.5 mm thick gypsum board of size 6' x 4'	One Piece	330.00	330.00	330.00

NOTES:

- 1) Steel Bars of only manufacturing companies such as SAIL, are to be used in major structures like bridges, multistoried buildings and water retaining structures. But re-rolling steel bars should not be used in any work.
- 2) The cement of the companies having their own manufacturing units in the state of Orissa, are to be used in all works.
- 3) In case of bridge works expansion joints and bearings are to be procured from only specified manufacturing units approved by MORTH.
- 4) Hard stone is to be used in lieu of granite for slope protection work.

I. Stone and Stone Products

- (1a) The rates of materials in SR are basic rates excluding cost of conveyance, royalty but including cost of stacking and C.S.T./V.A.T.
- (1b) Cost of material in Analysis of Rate shall be sum of basic cost and cost of conveyance over which overhead charge shall be applicable.
- 2) Normally blasted stones should not be used for soling stone where hand broken stones are available.
- 3) The box heaps of 1.5mx 1.5mx 0.44m is to be measured as 1 Cu. M.

II. Wood Work

- (a) The rate of wood work items are equivalent to the rates of Orissa Forest Corporation on the average. If any change to the rates are made by the Forest Corporation the revised rates shall be taken into consideration while arriving at the finished rates.

- (b) For wood works the supply rates as fixed by the Forest Corporation shall prevail over that stated in this schedule of rates.

III. Items under Miscellaneous Head

The rates under the sub-head under the Miscellaneous items are enclosure of labour and cost of all materials and conveyance except where otherwise mentioned in the description of items.

IV. Weight of Cement

14.30 quintals per one Cu. M.

V. Materials under E.P.M./D.G.S. & D.'s Rate

1) In case of item of work or for supply of materials against which rates have been approved by Directorate of Export Promotion and Marketing the same shall be made applicable for adoption in this schedule of rates.

In case of items of work or for supply of materials, against which rates have been approved by the D.G.S & D. the same rate shall be made applicable for adoption in this schedule of rates provided that if the rates of same items of work or for supply of materials are also forced by E.P.M. the E.P.M. rates will prevail over D.G.S. & D.'s rates.

VI. Rate of Cement, Steel and Bitumen will increase/decrease as mentioned below:

- 1) **Steel:** Rate as fixed by Steel Authority of India Limited (SAIL).
- 2) **Cement:** Average factory price of three manufacturers of cement inside the State.
- 3) **Bitumen:** Rate as fixed by Indian Oil Corporation Limited (IOCL) / Hindustan Petroleum Corporation Limited (HPCL).

VII In Cement Concrete items of Analysis of Rate centering and shuttering shall be added extra wherever necessary depending upon the item of work.

CHAPTER-II
RATE OF LABOUR

Sl. No	DESCRIPTION	UNIT	RATE in Rs.
1	2	3	4
A	Category unskilled		
1	Male mulia	Per day	90.00
2	Female mulia	Per day	90.00
3	Survey Khalasi/ Chain man	Per day	90.00
4	Scavanger	Per day	90.00
B	Category Semi skilled		
1	Mulia working in water or arduous nature of work	Per day	103.00
2	Night mulia or attendant working in flood and other emergent work	Per day	103.00
3	Mulia for handling hot binder and Tar boiler men	Per day	103.00
4	Sangi mulia	Per day	103.00
5	Pile driving mate(Guide man)	Per day	103.00
6	Mate	Per day	103.00
7	Helper to carpenter or Blacksmith/ Painter/ Blaster/ Plumber/ Electrician/ Fitter/ Welder	Per day	103.00
8	Hammer man	Per day	103.00
9	Thatcher/ Gharami	Per day	103.00
10	Tile turner	Per day	103.00
11	Boat man	Per day	103.00
12	Bhisti	Per day	103.00
13	Well sinker	Per day	103.00
14	Rod binder and bender	Per day	103.00
15	Cleaner/ Sweeper	Per day	103.00
16	Stone packer	Per day	103.00
17	Pump helper	Per day	103.00
18	Watch man(Store)/Gurkha / Security Guard	Per day	103.00
19	Bellow man	Per day	103.00
C	Category Skilled		
1	Blaster(Second class)	Per day	116.00
2	Mason(Second class)	Per day	116.00
3	Black smith (Second class)	Per day	116.00
4	Carpenter(Second class)	Per day	116.00
5	Fitter(Second class)	Per day	116.00
6	Painter/ Polisher(Second class)	Per day	116.00
7	Welder(Second class)	Per day	116.00
8	Plumber(Second class)	Per day	116.00
9	Driller(Second class)	Per day	116.00
10	Stone dresser/ Cutter(Second class)	Per day	116.00

11	Cobbler with tools(Second class)	Per day	116.00
12	Wire man/ Lift operator / Diesel pump driver/ Telephone operator (Second class)		116.00
13	Boring Mistry/ Pipe driver	Per day	116.00
14	Electrician/ Rigger/ Line man/ Telephone attendant/	Per day	116.00
15	Gardener	Per day	116.00
16	Amin	Per day	116.00
17	Tracer	Per day	116.00
18	Jr. progress recorder	Per day	116.00
19	Store keeper Gr.- II/ Store Asst./ Account clerk/ Clerk/ Typist/ Toolkeeper/ Time keeper/ Munsif	Per day	
D	Category Highly Skilled		
1	Blaster (licensed)	Per day	129.00
2	Mason (special)	Per day	129.00
3	Carpenter(special)	Per day	129.00
4	Blacksmith(special)	Per day	129.00
5	Fitter(special)	Per day	129.00
6	Painter/ Polisher(special)	Per day	129.00
7	Welder(special)	Per day	129.00
8	Plumber(special)	Per day	129.00
9	Driller (Special)	Per day	129.00
10	Stone dresser/ Cutter(special)	Per day	129.00
11	Diver for well sinking in bridge (per shift of four hours.)	Per day	129.00
12	Electrician/ Air conditioned plant operator/ wire man/ Lift operator/ Diesel pump operator (special).	Per day	129.00
13	Jeep driver/ Tractor driver / Truck driver / Dozer driver / Roller driver /Concrete mixture operator / Crane operator	Per day	129.00
14	Auto electrician	Per day	129.00
15	Guiniting Machine operator	Per day	129.00
16	Senior Accountant / Stenographer	Per day	129.00
17	Supervisor / Manager	Per day	129.00
18	Testing Laboratory Assistant / Instrument Mechanic/ Telephone Mechanic.	Per day	129.00
19	Rigger and Cobbler with Tools Driver (Heavy Vehicle)	Per day	129.00

Note :

1. Labour rates for un-skilled, Semi-skilled, Skilled and Highly skilled as are to be fixed from time to time by Labour Department under Minimum Wages Act shall prevail in respect of any category what so ever.
2. The rates for above four categories of labour are inclusive of weekly day of rest.
3. An adult Employee shall work for 8 (Eight) hours per day including half-an-hour of rest.

Sl No.	Description	Unit	Rate in (Rs.)
E.	Other Category (Not covered by the Notification of Labour & Employment Department).		
01	Boring Mistry (Special)	Per Day	129.00
02	Winch operator	Per Day	110.00
03	Well Sinker (Special)	Per Day	170.00
04	Helper to Well Sinker	Per Day	90.00
05	Computer Programmer / Analyzer	Per Month	5000.00
06	Computer Operator	Per Month	4000.00
07	Helper to operator of Heavy construction Machineries	Per Month	3500.00
08	Mechanic for Heavy construction	Per Month	4000.00
09	Helper to mechanic for heavy construction machines.	Per Month	3000.00
10	Operator for Heavy construction	Per Month	5000.00
11	Junior Research Assistant (Technical Assistant)	Per Month	4000.00

CHAPTER-III
RATE FOR CONVEYANCE OF MATERIALS

ITEM NO-1. Conveyance of Materials by Ten Tonne Trucks including loading & unloading.

(Rupees in Rs.)

Distance to be carried	Rough stone, metal, khoa, chips, sand, surki, quarry rubbish, moorum laterite stone, washed gravel, flyash & earth (Per 1 cum)	Bricks 23cm= 2500 nos Bricks 25cm= 2000 nos Cement concrete & fly ash blocks 400mmx200mmx200mm= 300 nos 400mmx150mmx200mm= 400 nos 400mmx100mmx200mm= 600 nos 300mmx200mmx150mm= 550 nos 300mmx150mmx150mm= 730 nos 300mmx100mmx150mm= 1100 nos All Kinds of tiles = 180 Sqm (per truck)	Iron, Grills, Cement, Bitumen, A.C sheet, GCI Sheet & Paint etc(per 1000 kg) Wood (per 1.25 cum)		Bulky materials like Machineries, generators, concrete pipe & furniture etc (per Truck)
			Railway station	Other places	
1	2	3	4	5	6
Up to 5 KM	124.00	799.00	145.00	134.00	1092.00
Every extra KM beyond 5 KM and up to 50 Km	7.30	33.00	6.90	6.90	34.00
Every extra KM beyond 50 KM	5.20	26.50	5.80	5.80	26.50

Note : Extra percentage to be allowed over the rates

1. For earthen roads or village tracks or cross country tracks, 20 % extra may be allowed on the certificate of Executive Engineer after his inspection and duly approved by Superintending Engineer.
2. For declared ghat road, add extra length of ghat road portion.

ITEM NO. 2: Loading into Trucks and Unloading from trucks (Within 50 m lead) including stacking

Sl. No	Details of materials	Unit	Rate in Rs.
1	Rough stone, metal, khoa, chips, sand, surki, quarry rubbish, moorum, laterite stone, washed gravel, & earth etc.	1 Cum	61.00
2	Iron, grills, cement, Bitumen, A.C sheet, GCI Sheet ,Coke,coal lime etc	1 qtl.	8.50
3	Bricks 23cm= 2500 nos Bricks 25cm= 2000 nos Cement concrete & flyash blocks 400mmx200mmx200mm= 300 nos 400mmx150mmx200mm= 400 nos 400mmx100mmx200mm= 600 nos 300mmx200mmx150mm= 550 nos 300mmx150mmx150mm= 730 nos 300mmx100mmx150mm= 1100 nos All kinds of tiles= 180 Sqm	1 truck load	345.00
4	Bulky material such as a) Hume pipes & furnitures	1 truck load	470.00
	b) Heavy machineries such as compressors ,concrete mixer, hotmix plant etc.	1 truck load	560.00

Note : a) For item no . 1

- i) 2/3 of rate is considered for loading
- ii) 1/3 of rate is considered for unloading

b) for item no 2,3 & 4

- i) 50 % of rate is considered for loading
- ii) 50 % of rate is considered for unloading

ITEM NO. 3 Carriage by Bullock Cart including Loading and Unloading

Sl. No	Distance to be carried.	Unit	Rate in Rs.
1	First KM	1 cart load	52.00
2	Subsequent KM	1 cart load	26.50

ITEM NO. 4 Unloading from Railway wagon and loading into trucks

Sl. No	Details of materials.	Unit	Rate in Rs.
1	Unloading from Railway wagon and stacking on platform 1.0 m in clear of rails within 15 m lead a) Cement, Bitumen, coal, paint etc	1 Qtl.	1.30
	b) Steel, A.C sheet, GCI Sheet , etc	1 Qtl.	4.50
2	Removing from railway platform and loading into trucks a) Cement, Bitumen, coal, paint etc	1 Qtl.	1.30
	b) Steel, A.C sheet, GCI Sheet , etc	1 Qtl.	4.50

ITEM NO. 5 Conveyance by Head load including loading & unloading and stacking.

Sl. No	Distance to be carried.	Rough stone, metal, khoa, chips, sand, surki, quarry rubbish, moorum, laterite stone, moorum, washed gravel, fly ash & earth per cum	Iron, grills, cement, lime, Bitumen, A.Csheet, GCI Sheet ,paint etc (per 1 quintal), wood(per 0.125 cum)
1	2	3.	4
		Rate in Rs.	Rate in Rs.
1	Up to 50 mtr.	25.50	6.40
2	Beyond 50 mtr and upto 100 mtr	30.00	9.60
3	Beyond 100 mtr and upto 150 mtr	39.00	14.00

ITEM NO. 6 Conveyance by Boat including loading & unloading

Distance to be carried.	Rough stone, metal, khoa chips, sand, surki, quarry rubbish, moorum laterite stone, moorum, washed gravel, fly ash & earth (per cum)	Bricks 23cm= 2500 nos Bricks 25cm= 2000 nos Cement concrete & flyash blocks 400mmx200mmx200mm= 300nos 400mmx150mmx200mm= 400 os 400mmx100mmx200mm=600 nos 300mmx200mmx150mm=550 nos 300mmx150mmx150mm=730 nos 300mmx100mmx150mm=1100 nos All kind of Tiles=180 Sqm	Iron, grills, cement, lime, Bitumen, A.Csheet, GCI Sheet &, paint etc (per 1 quintal) wood(per 0.125 cum)
1	2	3	4
	Rate in Rs.	Rate in Rs.	Rate in Rs.
A) In River	38.00	216.00	6.50
i) Up to 5 KM.			
ii) Every extra KM beyond 5.00 Km and upto 16 KM	4.00	19.00	0.60
iii) Every extra KM beyond 16 KM	2.00	14.00	0.50
B) In canal			
i) Up to 5 KM.	26.50	189.00	5.50
ii) every extra KM beyond 5.00 Km and upto 16 KM	4.50	16.00	0.75
iii) every extra KM beyond 16 KM	2.00	13.00	0.60

Item No.7 Capacity of Trucks.

Sl. No.	Description of Items	Capacity
1	2	3
1.	Rough stone and cut laterite stones	
i).	Rough stone(Boulders)	4.00 Cum
ii)	Cut laterite stone	5.00 Cum
2.	Gravel, sand & surki	5.50 Cum
3.	Cut stone (granite & hard stone)	5.50 Cum
4.	Lime	5.50 Cum
5.	Wood	5.00 Cum
6. a)	Bricks 25 cm	2000 Nos
b)	Bricks 23 cm	2500 Nos
c)	Cement concrete & flyash blocks	
	400mm x 200mm x 200mm	300 Nos
	400mm x 150mm x 200mm	400 Nos
	400mm x 100mm x 200mm	600 Nos
	300mm x 200mm x 150mm	550 Nos
	300mm x 150mm x 150mm	730 Nos
	300mm x 100mm x 150mm	1100 Nos
d)	All kinds of tiles	180 Sqm
7.	Iron, tar, pitch and other materials considered by weight	7.00 tonnes
8.	Cement	8.00 tonnes
9.	Straw for thatching	1000 Nos or 100 head loads or 50 Bhar loads
10.	Bamboos	30 Bhar loads
11.	Hume pipe up to 600mm diameter	5 Nos.
12.	Hume pipe 900mm & above diameter	3 Nos.

Note:

Where materials are to be conveyed by head loads or by pack animals, rates are to be worked out on actual analysis and approved by the Superintending Engineer.

Item No. 8: Head Loads

Sl.No.	Description of Items	Capacity
1	2	3
1.	Each head load of straw	1 bundle of 1.5 mtr. in girth
2.	Each bhar load of straw	2 bundle of 1.5 mtr. in girth
3.	Each head load of bamboo	Belangi 10 Nos., muli 3 nos
4.	Each bhar load of bamboo	Belangi 20 Nos., muli 6 nos

Item No -9 : Cart Load of Materials

Sl No	Description of Items	Quantity per cart load	
		Plain Road	Hilly Road
1	2	3	4
1.	Rough stone cut laterite stone	0.28 cum	0.23 cum
2.	Gravel , Sand & Surki	0.36 cum	0.28 cum
3.	Cut Stone (granite & hard Stone)	0.20 cum	0.15 cum
4.	Lime and wood	0.60 cum	0.42 cum
5.	Bricks	200 nos	150 nos
6.	Cement concrete & flyash blocks		
	400mm x 200 mm x 200 mm	30 nos	22 nos
	400mm x 150 mm x 200 mm	40 nos	30 nos
	400mm x 100 mm x 200 mm	60 nos	45 nos
	300mm x 200 mm x 150 mm	55 nos	41 nos
	300 mmx 150 mmx150 mm	73 nos	55 nos
	300 mmx100 mmx150 mm	110 nos	82 nos
7.	Pan tiles	1000 nos	800 nos
8.	Flat tiles		
	i) 15cmx15cmx1.25cm	2000 nos	1600 nos
	ii) 30cmx15cmx2.5cm	500 nos	400 nos
	iii) 30cmx30cmx2.5cm	250 nos	200 nos
9.	Nuria Tiles – 20 cm x 25 cm	800 nos	600 nos
10.	Mangalore and Ranigang tiles	250 nos	200 nos
11.	Iron , Cement,tar,Pitch and other materials by weight	454 kg	363 kg

Note :- The rates of conveyance of materials are exclusive of voids of materials.

**CHAPTER -IV
HIRE CHARGES OF PLANTS AND MACHINERIES**

Sl. No.	DESCRIPTIONS			USAGE RATES IN RS.	
	Machine	Activity	Output	Unit	Rate
1	Dozer D-50 -A 15	Spreading	200cum/hour	per hour	1831.00
		Cutting	100cum/hour	per hour	
		Cleaning	150cum/hour	per hour	
2	Dozer D-80-A 12	Spreading	300cum/hour	per hour	2519.00
		Cutting	150cum/hour	per hour	
		Cleaning	250cum/hour	per hour	
3	Motor Grader 3.35meter blade	Clearing	200cum/hour	per hour	1545.00
		Spreading	200cum/hour	per hour	
		GSB	50cum/hour	per hour	
		WMM	50cum/hour	per hour	
4	Tractor with ordinary grader			per hour	289.00
5	Hydraulic Excavator of 1cum bucket	Soil ordinary	60cum/hour	per hour	840.00
		Soil Marshy	60cum/hour	per hour	
		Soil unsuitable	60cum/hour	per hour	
6	Hydraulic Excavator of 2cum bucket	Soil		per hour	1868.00
7	Front End loader 1 cum bucket capacity	Soil loading	60cum/hour	per hour	520.00
		Aggregate loading	25cum/hour	per hour	
8	Tipper-5cum	Transportation of soil, GSB, WMM, Hotmix etc.	5.5cum	per km.	24.00
				per tonne.km	2.50
				per hour	582.00
9	Vibratory Roller 8-10 tonne	Earth/soil	100cum/hour	per hour	994.00
		GSB	60cum/hour	per hour	
		WMM	60cum/hour	per hour	
10	Smooth wheeled Roller 8 -10 tonne	Soil compaction	70cum/hour	per hour	339.00
		BM compaction	25cum/hour	per hour	
11	Sheep foot Roller	Soil compaction		per hour	65.00
12	Truck mounted water tanker	Water transport	6KL	per hour	582.00
13	Tractor	Pulling	50HP	per hour	231.00
14	Rotavator	Mixing	25cum/hour	per hour	11.00
15	Ripper	Scarifying	60cum/hour	per hour	18.00
16	Air Compressor	General purpose	170/250cfm	per hour	206.00

17	Diesel Compressor		400cfm	per hour	856.00
18	Diesel Compressor		300cfm	per hour	711.00
19	Electrical Compressor		500cfm	per hour	497.00
20	Wet Mix Plant 60 TPH	Wet Mix	25cum/hour	per hour	777.00
21	Wet Mix Plant 75 TPH	Wet Mix	34cum/hour	per hour	1036.00
22	Mechanical broom hydraulic	Surface cleaning	1250sqm/hour	per hour	230.00
23	Bitumen pressure distributor	Applying bitumen tack coat	1750sqm/hour	per hour	692.00
24	Emulsion pressure distributor	Applying emulsion tack coat	1750sqm/hour	per hour	516.00
25	Hotmix plant -120 TPH	DBM/BM/SDC/Premix	40cum/hour	per hour	15100.00
26	Hotmix plant -100 TPH	DBM/BM/SDC/Premix	30cum/hour	per hour	11167.00
27	Hotmix plant -60 to 90TPH	DBM/BM/SDC/Premix	25cum/hour	per hour	8930.00
28	Hotmix plant -40 to 60TPH	DBM/BM/SDC/Premix	17cum/hour	per hour	7150.00
29	Hotmix plant -8 to 10TPH	Premix	cum/hour	per hour	1025.00
30	Paver Finisher Hydrostatic with sensor control 100 TPH	Paving of DBM /BM /SDC/Premix	40cum/hour	per hour	1725.00
31	Paver Finisher Mechanical 100 TPH	Paving of WMM/PMC	40cum/hour	per hour	739.00
		Paving of DLC	30cum/hour	per hour	
32	Paver Finisher Mechanical	Paving of DLC	75cum/hour	per hour	1846.00
33	Hydraulic Chips Spreader	Surface Dressing	1500sqm/hour	per hour	1700.00
34	Tandem Road Roller	Rolling of Asphalt surface	30cum/hour	per hour	738.00
35	Pneumatic Road Roller	Rolling of Asphalt surface	25cum/hour	per hour	802.00
36	Pot hole repair machine	Repair of pot holes	4cum/hour	per hour	585.00
37	Bitumen boiler oil fired	Bitumen spraying	1500Litre	per hour	128.00
38	Tar boiler :	Bitumen spraying		per hour	74.00
39	GSB Plant 50 cum	Producing GSB	40cum/hour	per hour	670.00
40	Mastic Cooker	Mastic Wearing Coat	1tonne	per hour	1586.00
41	Batching and Mixing plant 15-20cum	Concrete Mixing	13cum/hour	per hour	1200.00
42	Batching and Mixing plant 30cum	Concrete Mixing	20cum/hour	per hour	1440.00
43	Batching and Mixing plant 112.5cum	Concrete Mixing	75cum/hour	per hour	2760.00
44	Batching and Mixing plant 262.5cum	Concrete Mixing	175cum/hour	per hour	5160.00
45	Transit Mixer	Transportation of concrete mix to site	4.5cum/hour	per hour	600.00
			3cum/hour	per hour	550.00
46	Grout pump			per hour	65.00

47	Concrete pump of 45 & 30 cum	Pumping Concrete	33cum/hour 22cum/hour	per hour	165.00
48	Pump with 5HP diesel engine	Pumping of Water		per hour	59.00
49	Pump with 10HP diesel engine	Pumping of Water		per hour	108.00
50	Pump with 20HP diesel engine	Pumping of Water		per hour	166.00
51	Pump with 40HP diesel engine	Pumping of Water		per hour	278.00
52	Pump with 40HP electrical			per hour	149.00
53	Pump with 50HP electrical			per hour	182.00
54	Cranes 80 tonnes	Lifting purpose		per hour	825.00
55	Cranes 35 tonnes	Lifting purpose		per hour	550.00
56	Cranes 3 tonnes	Lifting purpose		per hour	230.00
57	Crawler mounted Crane (18T)	Lifting purpose		per hour	1717.00
58	Tower Crane	Lifting purpose		per hour	551.00
59	Welding transformer	Welding		per hour	81.00
60	Gunning machine without compressor			per hour	91.00
61	Mechanical Winch (10T)			per hour	224.00
62	Power Winch (40HP)			per hour	220.00
63	Concrete Bucket	For pouring concrete	1cum	per hour	10.00
64	Kerb casting machine	Kerb making	80RM/hour	per hour	200.00
65	Concrete Mixer a)04/0.28 cum	Concrete Mixing	2.5cum/hour	per hour	177.00
	b)01cum		7.5cum/hour	per hour	
66	Vibrator (3HP diesel)	Compacting Concrete		per hour	106.00
67	Piling Rig with Bantonite Pump	0.75m dia to 1.2m dia Boring Attachment	2 to 3RM/hour	per hour	3525.00
68	Concrete Paver Finisher with 40HP Motor	Paving of Concrete Surface	20cum/hour	per hour	1850.00
69	Integrated stone crusher	Crushing of Spalls	100TPH	per hour	5590.00
		Crushing of Spalls	200TPH	per hour	11760.00
70	Stone crusher (electrical)	Crushing of Spalls		per hour	184.00
71	Crushing & processing plant (electrical)			per hour	235.00
72	Concrete Paver Finisher with 40HP Motor	Paving of Concrete Surface	175cum/hour	per hour	16188.00
73	Prestressing Jack with Pump & Access	Stressing of Steel Wires/Stands		per hour	83.00
74	Generator 100KVA	Generation of Electric Energy	100KVA	per hour	450.00
75	Generator 250KVA	Generation of Electric Energy	100KVA	per hour	1125.00
76	Generator 33KVA	Generation of Electric Energy	50KVA	per hour	240.00
77	Generator 40KVA	Generation of Electric Energy	KVA	per hour	425.00
78	Generator 125KVA	Generation of Electric Energy	KVA	per hour	905.00

79	Pneumatic Sinking Plant	Pneumatic Sinking of wells	1.5 to 2.0 cum/hour	per hour	2690.00
80	Truck 5.5cum per 10 tonnes	Material Transport	4.5cum	Per Km.	20.00
				per tonne.km	2.00
				per hour	557.00
81	Road Marking machine	Road marking	100sqm/hour	per hour	60.00
82	Mobile Slurry Seal Equipment	Mixing and laying slurry seal	2700sqm/hour	per hour	650.00
83	Wagon drill			per hour	128.00
84	Dimond drill			per hour	338.00
85	Inwell rings			per hour	72.00
86	Jack hammer			per hour	9.00
87	Pneumatic rammer			per hour	13.00
88	Pusher leg			per hour	5.00



GOVERNMENT OF ODISHA

**Revised Analysis of Rates for Other Building
Items (SI No 1 to 11) Placed in Chapter XIX of
AR-2006**

FOR -2012

WORKS DEPARTMENT

XIX.OTHER BUILDING ITEMS.

SI No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
1(A)	Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS : 13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS : 15477 of 3 mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour T&P etc required for the work all complete as per direction of Engineer- in- Charge.(for repair work only)				
	Data for 10 Sqm				
a)	Material				
	Cost of tile	10.00	Sqm Each Sqm	550.00	5500.00
	Cost of polymer modified adhesive.	54.00	Kg. Each Kg.	20.00	1080.00
	White Cement	0.076	qtl each Qtl	1725.00	131.10
b)	Labour				
	Mason Spl	2.16	Nos. Each	129.00	278.64
	Mulia	2.16	Nos. Each	90.00	194.40
c)	O.H.C @ 10% on (a+b)				718.41
	Total (a+b+c)				7902.55
	Rate per Sqm	<u>7902.55</u>			790.26
		10	Or say	Rs.	790.30

1(B)	Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS : 13755 laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc required for the work all complete as per direction of Engineer- in- Charge. (For New work Only)				
	Data for 10 Sqm				
a)	Material				
	Cost of tile	10.00	Sqm Each Sqm	550.00	5500.00
	Sand	0.21	cum Cum	42.00	8.82
	Cement	0.744	qtl each Qtl	580.00	431.52
	Cement for slurry	0.33	qtl each Qtl	580.00	191.40
	White Cement	0.076	qtl each Qtl	1725.00	131.10
b)	Labour				
	Mason Spl	2.16	Nos. Each	129.00	278.64
	Mulia	2.16	Nos. Each	90.00	194.40
c)	O.H.C @ 10% on (a+b)				673.59
	Total (a+b+c)				7409.47
	Rate per Sqm	<u>7409.47</u>			740.95
		10	Or say	Rs.	740.90

Sl No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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2 Finishing surface of walls with Cement based wall putty (Water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes, labour T&P etc complete.

Data for 10 Sqm

a) Material					
Cement based putty	8.00 Kg.	Each Kg.	30.00		240.00
Painter 2nd class	0.50 Nos.	Each	116.00		58.00
b) Labour					
Mulia	0.50 Nos.	Each	90.00		45.00
Mulia for preparation of surface	0.07 Nos.	Each	90.00		6.30
					34.93
c) O.H.C @ 10% on (a+b)					384.23
Total (a+b+c)					38.42
Rate per Sqm	<u>384.23</u>				
	10	Or say	Rs.		38.40

SI No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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- 3 Providing fitting and fixing of false ceiling with Aluminium anodised T Section No. 3215 with 2'-0" center to center, L section No. 1705 upto 15 micron on 4 walls to be fixed by means of steel screw and P.V.C plug and the Aluminium grid 2'-0"x2'-0" with prelaminated particle board suspended from ceiling etc complete
- Data for 14'-6" x 14'-6" = 210.25Sft or 19.53 Sqm

a) **Materials**

Aluminium anodised T Section No. 3215= 16X4.41 = 70.56 M.@0.258 Kg/m = 18.20 Kg.

Perimeter Angle Section No. 1785 =17.64 m @0.233 Kg/m 4.11 Kg.

Total 22.31 Kg.

Wastage 5 % 1.12 Kg.

Total 23.43 Kg. Each Kg. 226.00 5295.25

P.V.C rawl plug 42 Nos. Each 7.00 294.00

9" connecting hooks with nuts and washer 42 Nos. Each 5.50 231.00

G I wire 2.00 Kg. Each Kg. 40.00 80.00

12 mm thick Prelaminated board including wastage 20.59 Sqm Each Sqm 619.00 12745.21

65mm PVC Plug 50 Nos. Each 0.60 30.00

Screws 50 mm x 8mm 50 Nos. Each 0.64 32.00

Hire charges of drills machine 1.5 day Each day 100.00 150.00

b) **Labour**

Carpenter 1st class 5 Nos. Each 129.00 645.00

Mulia 5 Nos. Each 90.00 450.00

c) **O.H.C @ 10% on (a+b)**

1995.25

Total (a+b+c) 21947.71

Rate per Sqm 21947.71 983.76

22.31 Or say Rs. 983.80

SI No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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4 Providing and laying water proofs with polymeric bituminous membrane (Plastic felt) of 2.25Kg/Sqm and 1.5mm thickness consisting of layers having center core of 20 microns thermoplastic high molecular high density polyethylene H.M.H.D.P.E. film of grade 2504 including priming the surface with bituminous primer @ 0.3 Kg/Sqm providing a coat of hot blown bitumen of 1.32 kg / Sqm, applying and laying plastic felt membrane with 10 c.m overlap adhered to blown bitumen of 85/25 or 90/15 grade and covered with a layer of hot blown bitumen @ 1.2Kg/Sqm etc complete.

a) Materials

Bitumen	2.7	Kg.	Each Kg.	20.00	54.00
Fire wood	0.015	Qntl	Each Qntl	350.00	5.25
Const. of 1.5 mm plastic felt	1	Sqm	Each Sqm	72.00	72.00

b) Labour

Semi skilled labour	0.025	Nos.	Each	103.00	2.58
High skilled labour	0.10	Nos.	Each	129.00	12.90
Skilled labour	0.028	Nos.	Each	116.00	3.25

c) O.H.C @ 10% on (a+b)

Total (a+b+c) 15.00

Rate per Sqm **164.97**

Or say

165.00

5 Providing and laying water proofs with polymeric bituminous membrane (Plastic felt) of 2.25Kg/Sqm and 2mm thickness consisting of layers having center core of 20 microns thermoplastic high molecular high density polyethylene H.M.H.D.P.E. film of grade 2504 including priming the surface with bituminous primer @ 0.3 Kg/Sqm providing a coat of hot blown bitumen of 1.32 kg / Sqm, applying and laying plastic felt membrane with 10 c.m overlap adhered to blown bitumen of 85/25 or 90/15 grade and covered with a layer of hot blown bitumen @ 1.2Kg/Sqm etc complete.

a) Materials

Bitumen	2.7	Kg.	Each Kg.	20.00	54.00
Fire wood	0.015	Qntl	Each Qntl	350.00	5.25
Const. of 2 mm plastic felt	1	Sqm	Each Sqm	84.00	84.00

b) Labour

Semi skilled labour	0.025	Nos.	Each	103.00	2.58
High skilled labour	0.10	Nos.	Each	129.00	12.90
Skilled labour	0.028	Nos.	Each	116.00	3.25

c) O.H.C @ 10% on (a+b)

Total (a+b+c) 16.20

Rate per Sqm **178.17**

Or say

Rs.

178.20

SI No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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6 Providing fitting and fixing up partition walling aluminum anodized section No.9210 and 9207 as single groove and double groove respectively as horizontal and vertical member and section 4660 as Tapered clip and jointing angle No. 1855 etc as per direction of Engineer-in-charge excluding cost of laminated board.

Data for 6'-10" x 7'-6" = 51.22Sft or 4.76 sqm = 24.39 Kg

a) Materials

Kg

External Frame

Al. Section No 9210 Vertical = 2.08 Horizontal = 2.286 = 4.37 m ,Total length 8.74 m @ 1.37 Kg/M =

Kg

Internal frame

Al. Section No 9207 Vertical & Horizontal = (2.08+2.286) = 4.37 m @ 1.42 Kg/M =

Kg

Tappered Clip Sec.No 4660 34.94 m@0.169Kg/M 5.90

Kg

Al. angle Sec. No 1855 12 nos = 0.6 m @ 0.518Kg/M =

Kg

Total (a) 24.39 Kg

Wastage @ 5% 1.22 Kg

25.61 Kg

Each Kg. 226.00

5787.86

T Rubber beads

34.94

Each Mtr

10.00

349.40

PVC Rawl plug

40 Nos.

Each

7.00

280.00

3"Screws

10 Nos.

Each

2.00

20.00

Screws 50 mm x 8mm

30 Nos.

Each

0.64

19.20

Hire charges of drills machine

2 day

Each

100.00

200.00

b) Labour

Carpenter 1st class

1.5 Nos.

Each

129.00

193.50

Fitter (Second Class)

1.5 Nos.

Each

116.00

174.00

helper to carpenter

3.3 Nos.

Each

103.00

339.90

Mulla

3.3 Nos.

Each

90.00

297.00

c) O.H.C @ 10% on (a+b)

766.09

Total (a+b+c)

8426.90

Rate per Kg

8426.90

24.39

Or say

Rs.

345.51

345.50

Sl No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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7 Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P excluding cost of glass etc. complete as per direction of Engineer-in-charge.
 Data for 4'-0" x 4'-0" = 16 Sft or 1.49= 7.28 Kg

a) Materials

Al. Section Bottom frame No 4095 1.2 m @ 1.05 Kg
 0.875Kg/M =
 Top & side frame Sec.No 4096 3.6 m @ 2.689 Kg
 0.747Kg/M =
 Inter Lock Sec.No 9778 2.4 m @ 0.609 1.4616 Kg
 Kg/M =
 Vertical Shutter Section No 3994 0.910 Kg
 2.4 m @ 0.379Kg/M =
 Horizontal shutter section 9777 2.4 M@ 1.174 Kg
 0.489 kg/m

Total (a) 7.28 7.28 Kg
 Wastage 5% 0.36 Kg
 Total (a) 7.65 Kg

	7.65 Kg	Each Kg	226.00	1728.90
PVC plug	8 Nos.	Each	1.50	12.00
Al. Screws of different sizes	LS			30.00
U rubber beading	9.75 Mtr	Each Mtr	15.00	146.25
Window pile	7.5 Mtr	Each Mtr	10.00	75.00
Al. wheel runner	8 Nos.	Each	25.00	200.00
Handle with lock	2 Nos.	Each	40.00	80.00
Hire charges of drills machine	1 day	Each	100.00	100.00

b) Labour

Carpenter 1st class	0.5 Nos.	Each	129.00	64.50
Fitter(2nd class)	0.5 Nos.	Each	116.00	58.00
helper to carpenter	1.5 Nos.	Each	103.00	154.50
Mulia	1.5 Nos.	Each	90.00	135.00

c) O.H.C @ 10% on (a+b)

Total (a+b+c)				3062.57
Rate per Kg	<u>3062.57</u>			420.68
	7.28	Or say	Rs.	420.70

SI No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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8 Supplying fitting, fixing fully glazed aluminum framed openable windows using 15 micron anodized aluminum section 2082 as out section, 9139 as mullion section, 4124 as a shutter section frame with tapered clip of section 4125, aluminum angle, rubber beading, friction stay and handle etc. excluding cost of black glass.

Data for 6'-0" x 4'-0" = 24 Sft or 2.23 = 10.54 Kg

a) Materials

Outer Al. Section No 2082	6.09 m @	3.37		Kg	
	0.554 kg/m				
Mullion Sec.No 9139	2.44 m @	1.98		Kg	
	0.810Kg/M =				
Shutter Sec.No 4124	6.09 m @	3.00		Kg	
	0.493Kg/M =				
Tappered clip Al. Sec. No 4125	10.97 m @	2.01		Kg	
	@ 0.183Kg/M =				
Al. angle Section No 1772	0.28 m @	0.18		Kg	
	0.64Kg/M =				

10.54 Kg

Wastage 5% 0.53 Kg
Total (a) 11.07 Kg

11.07 Kg Each Kg 226.00 2501.82

U rubber beading	10.97 Mtr	Each Mtr	15.00	164.55
Handle	2 Nos.	Each	21.00	42.00
Friction stay	4 Nos.	Each	122.00	488.00
PVC Rawl plug	15 Nos.	Each	7.00	105.00
Al. Screws of diff. Sizes	LS			50.00
Hire charges of drills machine	1 day	Each	100.00	100.00

b) Labour

Carpenter 1st class	0.6 Nos.	Each	129.00	77.40
Fitter(2nd class)	1.62 Nos.	Each	116.00	187.92
helper to carpenter	2.4 Nos.	Each	103.00	247.20
Mulia	3 Nos.	Each	90.00	270.00

c) O.H.C @ 10% on (a+b)

Total (a+b+c) 423.39 4657.28

Rate per Kg 4657.28 441.87

10.54 Or say Rs. 441.90

SI No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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9 Providing fitting, fixing of Al. door with anodized Al. door section of 9202 as vertical member, 9201 as top , 9200 as bottom and middle member with frame section as 9221 with tapered clip No. 4660 and the frame to be completed by means of jointing angle No. 1855 including all cost of labour, T&P , hire charges of drilling machine, labour charges etc. complete excluding cost of laminated board.

Data for 3'-6" x 6'-8" = 23.31 Sft or 2.16 sqm 27.13 Kg

a) Materials

Vertical Section No 9202 4.06 m @ 4.88 Kg
1.201Kg/M =

Middle and bottom Al. Section No 9200 4.22 Kg
2.14 m @ 1.97 Kg/M =

Top Al. Section No 9201 2.13 m @ 1.298 2.76 Kg
Kg/M =

Tapper clip Al. Section No 4660 16.65 m 2.81 Kg
@ 0.169Kg/M =

Al. Ang. Sec. No 1855 0.42 m @ 0.22 Kg
0.518Kg/M =

Al. frame. Sec. No 9221 6.2 m @ 12.25 Kg
1.975Kg/M =

27.13 Kg

Wastage 5% 1.36 Kg

28.49 Kg

28.49 Kg Each Kg 226.00 6438.74

4" Anodised Al. Hinges 4 Nos. Each 39.00 156.00

U rubber beading 18.28 Mtr Each Mtr 15.00 274.35

Door Stopper 1 No Each 25.00 25.00

Handle 2 Nos. Each 62.50 125.00

6 Level mortice lock 1 Nos. Each 400.00 400.00

Hire charges of drilling machine 1.5 Day Each 100.00 150.00

Aluminium Screws adhesive LS 50.00

b) Labour

Carpenter 1st class 0.42 Nos. Each 129.00 54.18

Fitter(2nd class) 1.68 Nos. Each 116.00 194.88

helper to carpenter 2.3 Nos. Each 103.00 236.90

Mulia 3 Nos. Each 90.00 270.00

c) O.H.C @ 10% on (a+b)

Total (a+b+c) 837.51

Rate per kg 9212.56 339.57

27.13 Or say Rs. 339.60

SI No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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10 Providing fitting, fixing of Al. door with anodized Al. door section of 9202 as vertical member, 9201 as top and 9200 as middle and bottom member with frame section no 9221 and tapered clip No. 4660 and the frame to be completed by means of jointing angle No. 1855 including all cost of labour, T&P, hire charges of drilling machine, labour charges etc. complete.

Data for 3'-0" x 6'-6" = 19.50 Sft or 1.81sqm 23.76 Kg

a) Materials

Vertical Al. Section No 9202 3.96 m @ 4.76 Kg
1.201Kg/M =

Bottom and middle Al. Section No 9200 3.59 Kg
1.82 m @ 1.974Kg/M =

Top Al. Section No 9201 0.9 m @ 1.17 Kg
1.298Kg/M =

Al. Section No 4660 15.24 m @ 2.58 Kg
0.169Kg/M =

Al. Ang. Sec. No 1855 0.42 m @ 0.22 Kg
0.518Kg/M =

Al. frame. Sec. No 9221 5.8 m @ 11.46 Kg
1.975Kg/M =

Total (a) 23.76 Kg
Wastage 5% 1.19 Kg
24.95 Kg

24.95 Kg	Each Kg	226.00	5638.70
4 Nos.	Each	39.00	156.00
18.29 Mtr	Each Mtr	15.00	274.35
1 No.	Each	25.00	25.00
2 Nos.	Each	62.50	125.00
1 Nos.	Each	400.00	400.00
1.5 Day	Each	100.00	150.00
LS			50.00

b) Labour

0.42 Nos.	Each	129.00	54.18
1.5 Nos.	Each	116.00	174.00
1.2 Nos.	Each	103.00	123.60
1.5 Nos.	Each	90.00	135.00

c) O.H.C @ 10% on (a+b)

Total (a+b+c)			8036.41
Rate per Kg			338.23
	23.76	Or say	Rs. 338.20

Sl No	Description	Quantity required	Unit	Rate Rs. P	Amount Rs. P
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11 Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect.

Data for 3.26 Rmt.

a) **Materials**

Railing- 50mm outer dia of 2mm thick 3.26 rmt. @ 3.50kg/mtr.	11.41	Kg	Each Kg	240.24	2741.14
Balustrade of size 32mmx32mmx2mm (4x0.90m = 3.60mtr. @ 1.70kg/mtr.	6.12	Kg	Each Kg	256.62	1570.51
Stainless steel square pipe bracing of size 32mmx32mmx2mm in 3 rows (3x3.26m = 9.78mtr. @ 1.70kg/mtr.	16.63	Kg	Each Kg	258.62	4267.59

Fabrication	34.16	Kg	Each Kg	10.00	341.60
Buffing, polishing etc. 2%					171.58

b) **Labour**

High skilled labour	0.89	Nos.	Each	129.00	114.81
Semi skilled labour	0.89	Nos.	Each	103.00	91.67

c) **Over head charges @ 10% on (a+b)**

Total (a+b+c)					929.89
					10228.79
Rate per Kg	<u>10228.79</u>				299.44
	34.16		Or say	Rs.	299.40

