

GOVERNMENT OF ODISHA
WORKS DEPARTMENT

OFFICE MEMORANDUM

No. WORKS-FA-MISCSB-0015-2022 6785 /W Dated 20-4-2023

Sub:- Schedule of Rates-2022.

Consequent upon rise of market price of materials and enhancement of labour rate from time to time issued by Labour & ESI Department, Government after careful consideration and taking into account the basic rate of materials from 30 Revenue Districts, conveyance of materials, hire charges of plants and machineries, miscellaneous items, rate of labour, duly recommended by the Rate Board, have been pleased to revise the existing Schedule of Rate and introduce the Schedule of Rates-2022.

1. The new Schedule of Rate-2022 are effective from the date of issue of this Office Memorandum and it will be available in website of the Works Department.
2. This has been concurred in by Finance Department vide their file No.FIN-WF1-MISC-0035-2022.


By order of the Governor


(Vir Vikram Yadav)

Principal Secretary to Government

Memo No. 6786 /W., Dated. 20-4-2023

Copy forwarded to the Private Secretary to the Hon'ble Chief Minister, Odisha/Private Secretary to Hon'ble Minister, Steel & Mines, Works, Odisha for kind information of Hon'ble Chief Minister, Odisha & Hon'ble Minister, Steel & Mines, Works Odisha.


FA-cum-Special Secretary to Government
Memo No. 6787 /W., Dated. 20-4-2023

Copy forwarded to the OSD to Chief Secretary, Odisha /Sr. Private Secretary to the Development Commissioner-cum-Additional Chief Secretary, P&C Department/Sr. Private Secretary to the Principal Secretary, Finance Department for kind information of the Chief Secretary/Development Commissioner-cum-Additional Chief Secretary/Principal Secretary, Finance Department.


FA-cum-Special Secretary to Government

Memo No. 6788 /W., Dated. 20-4-2023

Copy forwarded to the Principal Accountant General (A&E), Odisha, Bhubaneswar/Principal Accountant General (E&RSA), Odisha, Puri Branch, Puri for information.

Final 20/04/2023

FA-cum-Special Secretary to Government

Memo No. 6789 /W., Dated. 20-4-2023

Copy forwarded to All Departments of Government for their information.

Final 20/04/2023

FA-cum-Special Secretary to Government

Memo No. 6790 /W., Dated. 20-4-2023

Copy forwarded to the EIC (Civil)/EIC, Rural Works/EIC, Water Resources/EIC, PH/EIC, RWS&S/EIC, Electricity-cum-Chief Electrical Inspector/All Chief Engineers under the administrative control of Works Department/RD Department/Water Resources Department for their information.

Final 20/04/2023

FA-cum-Special Secretary to Government

Memo No. 6791 /W., Dated. 20-4-2023

Copy with soft copy of the Schedule of Rate-2022 forwarded to the OSWAS Control Room, Lokseba Bhawan with a request to upload the Schedule of Rate-2022 in the website of Works Department.

Final 20/04/2023

FA-cum-Special Secretary to Government

Memo No. 6792 /W., Dated. 20-4-2023

Copy with soft of copy of the Schedule of Rate-2022 forwarded to the Gazette Cell, Commerce & Transport (Commerce) Department, Bhubaneswar with a request to publish the Schedule of Rate-2022 in extra ordinary issue of Odisha Gazette and to supply 30 (Thirty) copies to this Department for official use.

Final 20/04/2023

FA-cum-Special Secretary to Government

Memo No. 6793 /W., Dated. 20-4-2023

Copy forwarded to All Officers/All Sections of Works Department for information.

Final 20/04/2023

FA-cum-Special Secretary to Government



SCHEDULE OF RATES 2022

**WORKS DEPARTMENT
GOVERNMENT OF ODISHA**

FOREWORD

Schedule of Rates published by Works Department, Odisha from time to time is a comprehensive and useful technical document for execution of civil works. In addition to Works Department, this Schedule of Rates is used by other Departments, Institutions, Public Sector Undertakings, Architects and Builders of the State.

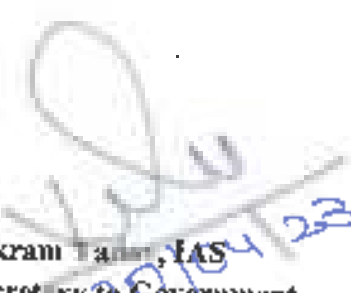
Odisha Schedule of Rates was first published in the year 1979, followed by several revisions/publications from time to time to bring it in line with the prevailing materials, technologies, market rates and implementation of GST. It was revised in 1982, 1986, 1988, 1991, 1994, 1998, 2003, 2006, 2007, 2008, 2009, 2010, 2012, 2013, 2014 and 2014 (Post GST).

Last edition of Odisha Schedule of Rates was published in the year 2014 and was revised in 2017 consequent upon implementation of Goods and Services Tax (GST) as SoR 2014 (Post GST). Revision of this SoR has become necessary due to change in wages of labour and prices of materials, adoption of new construction technologies & materials. These components have been incorporated in the SoR 2022.

I am sure that this Schedule of Rates 2022 will be useful to all the engineers and architects involved in all public construction works in the State.

Place: Bhubaneswar

Date: 20/04/2023


Vir Vikram Tanna, IAS
Principal Secretary to Government,
Works Department

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CHAPTER 1

BASIC RATES OF MATERIALS

Chapter – 1
BASIC RATE OF MATERIALS

1.1 FOR DISTRICTS OF CENTRAL RDC DIVISION

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
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	4035.32	4231.96	4231.96	4125.00	4231.96
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	3906.39	4113.87	3906.39	3905.00	4113.87
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	5943.92	6105.67	6105.67	6105.67	6105.67
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	5180.48	5483.50	5457.44	5483.50	5233.38
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	5142.55	5142.55	5142.55	5142.55	5017.50
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	4450.00	4554.88	4554.88	4554.88	4273.65
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	16.07	16.99	16.99	16.99	16.99

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
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	27.79	28.00	29.77	29.89	29.89
b.	400mm x 150mm x 200mm size	Each	24.32	24.00	24.32	24.32	24.32
c.	400mm x 100mm x 150mm size	Each	15.88	17.00	17.01	17.13	17.13
d.	300mm x 200mm x 150mm size	Each	19.21	19.21	19.21	19.21	19.21
e.	300mm x 150mm x 150mm size	Each	13.89	15.00	14.88	15.16	15.16
f.	300mm x 100mm x 150mm size	Each	13.89	12.50	12.76	13.89	13.89
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	25.80	26.84	26.84	26.84	26.84
b.	400mm x 150mm x 200mm size	Each	19.85	20.30	20.30	20.30	20.30
c.	400mm x 100mm x 200mm size	Each	16.50	16.00	14.88	16.50	16.50
d.	300mm x 200mm x 150mm size	Each	17.06	16.00	17.06	17.06	17.06
e.	300mm x 150mm x 150mm size	Each	13.99	13.99	13.82	13.99	13.99
f.	300mm x 100mm x 150mm size	Each	11.37	11.37	10.62	11.37	11.37
10	K.B. bricks Khoa 4 Cm.size	1 Cum	388.26	380.00	388.26	386.02	386.02
11	Clamp burnt brick Khoa 4 cm. size.	1 Cum	330.12	330.12	330.12	330.12	330.12
12	Surki of clamp burnt bricks.	1 Cum	444.94	450.00	471.07	460.53	460.53

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
13	Surki of Kiln burnt bricks.	1 Cum	493.85	493.85	482.56	477.81	477.81
14	Screen washed gravel for concrete (12mm. to 20mm.)	1 Cum	178.66	175.00	180.00	183.35	183.35
15	Gravel or moorum	1 Cum	61.25	65.00	61.71	65.88	65.88
16	Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1 Cum	136.33	100.00	136.33	110.00	112.86
17	River single or Bajri (12mm. to 20mm.)	1 Cum	120.10	131.14	122.15	130.26	130.26
18	Screened and washed sharp sand for mortar	1 Cum	62.58	75.00	63.00	71.71	71.81
19	Sand for filling and road blinding	1 Cum	56.19	60.50	56.57	63.20	64.18
20	Clay mortar for masonry work with admixture of sand.	1 Cum	50.30	62.50	63.00	65.65	65.65
21	Stone lime unslaked.	1 Kg.	21.88	21.88	21.88	21.88	21.88
22	Ghooting lime unslaked.	1 Kg.	26.94	26.94	26.94	26.94	26.94
23	Shell lime unslaked.	1 Kg.	24.19	24.19	24.19	24.19	24.19
24 a	Granite broken stone of size not less than 0.0025 Cum. Stacked	1 Cum.	291.96	278.00	271.17	291.96	276.53
b	Granite stone of size not less than 0.0025 Cum. picked up.	1 Cum.	272.26	272.26	272.26	272.26	272.26
25	Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	1 Cum.	263.50	263.50	245.57	249.50	248.61
26	Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	1 Cum.	236.25	236.25	236.25	218.72	218.72
27	Stone other than granite quarried, broken and staked above 0.003 Cum	1 Cum.	242.43	242.43	225.00	233.67	233.67

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
28	Stone other than granite picked up, broken and staked above 0.003 Cum	1 Cum.	233.93	225.00	233.93	218.72	218.72
29	Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve.						
a	Crusher broken.	1 Cum.	879.77	850.00	835.72	847.50	879.77
b	Hand broken.	1 Cum.	648.36	680.00	666.00	667.20	650.89
30	Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve)						
a	Crusher broken.	1 Cum.	839.86	890.00	862.72	899.33	899.33
b	Hand broken.	1 Cum.	710.56	675.00	660.85	710.56	710.56
31	Granite Stone broken metal 40mm. size						
a	Crusher broken.	1 Cum.	995.25	985.00	954.00	995.25	934.84
b	Hand broken.	1 Cum.	787.36	787.36	762.43	748.03	748.03
32	Granite Stone broken metal 26.5mm. size (Passing through 45mm sieve & retained on 22.4mm sieve)						
a	Crusher broken.	1 Cum.	1097.74	1040.00	1023.44	1097.74	1097.74
b	Hand broken.	1 Cum.	751.25	800.00	774.00	751.77	751.77
33	Granite Stone broken metal 25mm. size (Passing through 40mm sieve & retained on 20mm sieve)						
a	Crusher broken.	1 Cum.	1135.74	1050.00	1040.15	1135.74	1135.74
b	Hand broken.	1 Cum.	767.47	810.50	790.71	766.71	766.71

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
34	Granite Stone broken metal 22.4mm. size (Passing through 26.5mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1123.78	1086.00	1065.85	1123.78	1123.78
b	Hand broken.	1 Cum.	914.66	832.00	914.66	914.66	914.66
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.	1382.29	1382.29	1360.29	1382.29	1382.29
b	Hand broken.	1 Cum.	1077.82	1050.50	1077.82	1077.82	1077.82
36	Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1342.76	1370.27	1370.27	1370.27	1358.29
b	Hand broken.	1 Cum.	1094.45	1094.45	1081.28	1049.42	1049.42
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.	1372.71	1396.62	1396.62	1396.62	1378.22
b	Hand broken.	1 Cum.	1063.23	1085.19	1085.19	1066.86	1066.86
38	Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve)						
a	Crusher broken.	1 Cum.	1375.20	1428.13	1416.85	1428.13	1409.35
b	Hand broken.	1 Cum.	1098.17	1121.38	1121.38	1090.52	1090.52

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
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.	1397.67	1418.67	1418.67	1418.67	1408.11
b	Hand broken.	1 Cum.	1098.17	1109.77	1109.77	1084.30	1084.30
(A)	Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	1 Cum.	923.46	957.46	951.43	943.56	943.56
(B)	Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	1 Cum.	805.85	805.85	805.85	805.85	805.85
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.	836.11	850.20	850.20	850.20	850.20
41	Stone other than granite broken to 5cm. size.	1 Cum.	339.83	339.83	321.44	323.34	323.34
42	Stone other than granite broken to 4 cm. size.	1 Cum.	320.72	353.65	330.43	330.81	330.81
43	Stone other than granite broken to 2 cm. size.	1 Cum.	341.93	369.84	352.28	353.23	353.23
44	Stone other than granite broken to 1cm. size.	1 Cum.	359.40	393.53	370.29	368.17	368.17
45	Stone boulder 15cm. & above size granite picked up and nullah boulders.	1 Cum.	185.94	195.42	191.57	195.06	195.06
46	Soiling stone boulder 15Cm. & above size picked up nullah boulders broken.	1 Cum.	189.69	209.34	195.43	202.53	202.53

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
47	Stone boulder 15cm. & above size other than granite or laterite picked up and nullah boulders.	1 Cum.	149.75	170.43	154.29	157.70	157.70
48	Soiling stone boulder 15Cm. & above size other than granite or laterite picked up nullah boulders broken.	1 Cum.	164.73	186.28	169.71	172.64	172.64
49	Soling stone boulders 10 Cm. size picked up other than granite.	1 Cum.	148.51	165.97	153.00	157.70	157.70
50	Hard broken soling stone other than granite (40mm. to 90mm.)	1 Cum.	238.36	258.84	245.57	258.84	248.61
51	I.R.C. Grade I (90mm to 45 mm.)	1 Cum.	782.44	804.94	804.94	790.37	790.37
52	I.R.C. Grade II (63mm. to 45mm.)	1 Cum.	867.30	906.85	893.57	881.29	881.29
53	I.R.C. Grade III (53mm. to 22.4mm.)	1 Cum.	923.46	990.00	951.43	941.07	941.07
54	Laterite soling stone 23Cm. size	1 Cum.	157.58	145.50	157.58	144.14	144.14
55	Laterite Stone rough dressed	1 Cum.	729.98	750.50	735.43	762.55	762.55
56	Bamboo mat or talai.	1 Sqm.	104.79	104.79	104.79	115.00	115.00
57	Bamboo 1ST class 7Cm. to 10Cm. dia & above 6m. long.	Each	88.00	88.00	88.00	88.00	88.00
58 a	Belongi Bomboo 2.51 Cm. to 4Cm. dia & above 5m. long.	Each	42.00	42.00	42.00	42.00	42.00
b	Belongi Bomboo above 4Cm. dia & up to 7Cm. dia & above 5m. long.	Each	51.00	51.00	51.00	51.00	51.00
59	Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	1 RM	51.87	51.87	51.87	51.87	51.87

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
60	Sal bullahs 150mm. to 200mm. mean dia up to 5.5m. long.	1 RM	124.26	124.26	124.26	124.26	124.26
61	Sal bullahs above 200mm. & up to 250mm. mean dia & up to 2.75m. long.	1Cum.	18069.75	18069.75	18069.75	18069.75	18069.75
62	Sal bullahs above 200mm. & up to 250mm. mean dia above 2.75m. long & up to 4.75m. long.	1Cum.	22474.75	22474.75	22474.75	22474.75	22474.75
63	Sal bullahs above 200mm. & up to 250mm. mean dia above 4.75m. long	1Cum.	26849.00	26849.00	26849.00	26849.00	26849.00
64	Sal bullahs above 250mm. & up to 380mm. mean dia & up to 2.75m. long	1Cum.	29736.50	29736.50	29736.50	29736.50	29736.50
65	Sal bullahs above 250mm. & up to 380mm. mean dia & above 2.75m. long up to 4.75m. long	1Cum.	36622.50	36622.50	36622.50	36622.50	36622.50
66	Sal bullahs above 250mm. & up to 380mm. mean dia & above 4.75m. long.	1Cum.	42542.67	42542.67	42542.67	42542.67	42542.67
67	Non-sal bullahs 75mm. mean dia of any length.	1 RM	30.81	30.81	30.81	30.81	30.81
68	Non-sal bullahs 100mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
69	Non-sal bullahs 125mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
70	Non-Sal bullahs 150mm. to 200mm. mean dia of any length.	1 RM	67.82	67.82	67.82	67.82	67.82
71	Non-Sal bullahs above 200mm. & up to 250mm. mean dia up to 2.5m. long.	1Cum.	18070.06	18070.06	18070.06	18070.06	18070.06

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
72	Non-Sal bullahs above 200mm. & up to 250mm. mean dia above 2.5m. long.	1Cum.	24643.33	24643.33	24643.33	24643.33	24643.33
73	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & up to 2.75m. long.	1Cum.	53035.75	53035.75	53035.75	53035.75	53035.75
74	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & above 2.75m. long.	1Cum.	71150.50	71150.50	71150.50	71150.50	71150.50
75	Seasoned Sal wood beam of cross sectional area not less than 150Sq.cm. & least lateral dimension 100mm. & above 2.75m. long.	1Cum.	65533.50	65533.50	65533.50	65533.50	65533.50
76	Seasoned Sal wood planks not more than 75mm. thick & not less than 200mm. width.	1Cum.	63839.00	63839.00	63839.00	63839.00	63839.00
77	Seasoned Piasal wood planks for shutters.	1Cum.	74369.67	74369.67	74369.67	74369.67	74369.67
78	Seasoned Teak wood planks for shutters.	1Cum.	114414.9 4	114414.9 4	114414.9 4	114414.9 4	114414.9 4
79	Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	1Cum.	58374.79	58374.79	58374.79	58374.79	58374.79
80	Non-Sal reapers.	1Cum.	13268.45	13268.45	13268.45	13268.45	13268.45
81	Fire wood	1Qntl	431.17	531.50	572.60	550.00	583.60
82	1St class Raniganj or Mangalore pattern tiles.	100 Nos.	976.72	962.00	958.82	914.14	914.14
83	Ridges of Raniganj or Mangalore parttern tiles.	100 Nos.	1494.52	1494.52	1494.52	1436.65	1436.65
84	Flat tiles (14Cm. x14 Cm.x 1Cm.)	1000 Nos.	268.29	310.09	284.88	296.73	296.73

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
85	Flat tiles (15Cm x15Cmx 1.2 Cm)	1000 Nos.	310.33	339.65	329.52	318.71	318.71
86	Flat tiles (30Cm. x 15 Cm.x 2.5 Cm.)	1000 Nos.	1331.02	1331.02	1295.78	1331.02	1331.02
87	Flat tiles (30Cm. x 30 Cm.x 2.5 Cm.)	1000 Nos.	1556.57	1556.57	1500.94	1433.65	1433.65
88	Pan tiles	1000 Nos.	328.42	328.42	318.90	312.71	312.71
89	Nuria tiles (20Cm. to 25Cm.)	1000 Nos.	719.25	678.00	667.56	645.40	645.40
90	Nuria tiles (25Cm. to 30Cm.)	1000 Nos.	912.84	850.00	797.24	912.84	912.84
91	Ridge tiles	1000 Nos.	1034.59	1034.59	1000.27	1034.59	1034.59
92	Marble Tiles of minimum 16 mm thick, dunguri Variety.						
a	Up to 0.10 Sqm.	1 Sqm.	540.74	550.99	550.99	546.29	546.29
b	Above 0.10 Sqm. to 0.40 Sqm.	1 Sqm.	677.95	677.95	677.95	666.24	666.24
c	Above 0.4 Sqm. to 1.00 Sqm.	1 Sqm.	766.45	766.45	766.45	750.50	750.50
93	Kota Tiles of minimum 16 mm thick						
a	Up to 0.10 Sqm.	1 Sqm.	416.91	416.91	416.91	405.52	405.52
b	Above 0.10 Sqm.	1 Sqm.	500.20	500.20	500.20	493.75	493.75
94	Khandolites (Up to 0.06 Sqm.)	1 Sqm.	324.37	324.37	324.37	324.37	324.37
95	Granite Tiles						
a	Up to 0.10 Sqm. (10mm thick)	1 Sqm.	1181.85	1181.85	1181.85	1169.84	1169.84
b	Above 0.10 Sqm						
i	Above 0.10 Sqm & up to 0.4 sqm (10mm. thick)	1 Sqm.	1324.27	1328.07	1328.07	1326.47	1326.47
ii	Above 0.40 sqm. (20mm thick)	1 Sqm.	2086.72	2098.83	2098.83	2078.90	2078.90
96	Kodappa Tiles of 10 mm thick						
a	Above 0.1 Sqm & Up to 0.40 Sqm.	1 Sqm.	300.97	310.43	310.43	306.38	306.38
b	Above 0.40 Sqm.	1 Sqm.	372.80	372.80	372.80	366.86	366.86

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
97	Dholpuri Stone Tiles.	1 Sqm.	408.94	408.94	408.94	402.54	402.54
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 conforming to IS 13753	1 Sqm.	405.20	405.20	405.00	405.20	405.20
b	30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming to IS 13755	1 Sqm.	450.08	450.08	444.33	450.08	450.08
c	Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B 1a) of following sizes.						
i.	Vitrified Tile 600mmx600mm Plain (Ivory)	1 Sqm.	651.08	651.08	643.11	651.08	651.08
ii.	Vitrified Tile 600mmx600mm Coloured / Printed series (Homogeneous)	1 Sqm.	695.76	695.76	695.76	695.76	684.97
d	Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm conforming to IS 4457 of size 300mmx300mm	1 Sqm.	578.35	578.35	578.35	578.35	574.20
99	Chequered Tiles.	1 Sqm.	212.91	232.00	221.10	254.75	223.79
100	Terrazo Tiles.						
a	With grey cement.	1 Sqm.	256.07	256.00	248.74	256.07	252.85
b	With white cement	1 Sqm.	308.96	308.96	304.02	308.96	298.45
101	Red oxide Primer	1 Litre	142.70	142.70	142.70	142.70	142.70
102	Wood Primer	1 Litre	155.08	150.50	155.08	155.08	150.71
103	Wood Shine Paint	1 Litre	176.27	170.50	176.27	176.27	176.27

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara	
104	Plastic Emulsion paint	1 Litre	249.34	249.34	249.24	249.34	249.34	
105	Enamel paint	1 Litre	205.34	205.34	198.98	205.34	205.34	
106	Distemper	1 Kg.	70.10	70.10	70.10	70.10	70.10	
107	Cement paint	1 Kg.	47.83	47.83	46.08	47.83	47.83	
108	Red oxide powder	1 Kg.	123.94	123.94	123.94	123.94	120.98	
109	French polish	1 Litre	172.90	172.90	168.60	172.90	170.53	
110	Varnish	1 Litre	169.85	169.85	162.33	169.85	164.59	
111	Plaster of paris	1 Kg.	17.23	17.23	17.23	17.23	17.23	
112	Coal Tar	1 Kg.	49.21	49.21	48.68	49.21	49.21	
113	G.C.I. Sheet							
a	0.30mm thick	1 Sqm.	315.24	317.50	317.50	317.50	313.88	
b	0.40mm thick	1 Sqm.	323.03	333.12	333.12	333.12	333.12	
114	A.C. Sheet	1 Sqm.	202.12	209.10	205.16	209.10	209.10	
115	A.C. ridges	1 pair	207.69	207.69	207.69	207.69	202.03	
116	6mm. Thick Plain A.C. Sheet	1 Sqm	246.55	246.55	246.55	246.55	246.55	
117	Tar Paper	1 Sqm	24.76	24.76	24.76	24.76	24.76	
118	Putty (Wood)	1 Kg.	31.67	31.67	29.77	31.67	31.67	
119	Putty (Iron)	1 Kg.	98.06	101.83	101.83	101.83	101.83	
120	Wire Nails	1 Kg.	79.56	79.56	79.56	79.56	79.56	
121	M.S. Angle	1 Qntl.	Rate as fixed by SAIL					
122	M.S. Channel	1 Qntl.						
123	Bolt, Nut & Washers	1 Kg.	91.46	91.46	91.46	91.46	91.46	
124	Holding down bolts minimum 60 Cm. long with 15Cm. x 15 Cm. x 6mm. size washer plate	1 Kg.	89.58	89.58	89.58	89.58	89.58	
125	Binding Wire.	1 Kg.	90.10	90.10	90.10	90.10	90.10	
126	Coir String	1 Kg.	61.90	61.90	61.90	61.90	60.23	
127 a	Empty Cement bags (HDPE) by lot & not shorted out	100 nos	400.00	400.00	400.00	400.00	400.00	
b	Empty Cement gunny bags by lot & not shorted out	100 nos	394.50	392.00	394.50	394.50	394.50	
c	Empty Bitumen Drum	Each	142.59	142.00	142.59	142.59	138.62	
d	Empty Bitumen Emulsion Drum	Each	255.33	255.33	248.69	255.33	255.33	

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
128	Straw in Bundle	100 nos	275.84	275.00	266.00	275.84	275.84
129	Marble Chips.	1qntl	661.71	673.93	673.93	673.93	672.24
130	Marble Powder	1qntl	385.82	394.20	394.20	394.20	394.05
131	Cement		Average factory price of three manufactures of cement inside the State.				
a	33 Grade	1qntl					
b	43 Grade	1qntl					
c	53 Grade	1qntl					
132	White Cement.	1qntl	2017.18	2017.18	1989.76	2017.18	2004.00
133	Steel		Rate as fixed by SAIL				
a	Mild Steel	1qntl					
b	HYSD (Fe-415) / (Fe500)	1qntl					
134	“Z” type Steel Sheet Piles	1qntl	6118.65	6118.65	6118.65	6118.65	6058.64
135	Bentonite powder	1qntl	333.82	337.87	337.87	337.87	337.87
136	Oxidized mild steel fittings (I.S.I.)						
	Butt hinges (I.S.I.)						
a	50x37x1.50mm	Each	12.10	12.10	12.10	12.10	12.10
b	75x47x0.70mm	Each	15.27	15.27	15.27	15.27	15.27
c	100x58x1.90mm	Each	18.40	18.00	18.40	18.40	18.40
d	125x65x2.12mm	Each	24.84	24.84	24.84	24.84	24.84
137	M.S. aldop (I.S.I.)						
a	250x16mm	Each	98.30	98.30	95.29	98.01	98.01
b	300x16mm	Each	98.88	104.77	102.63	104.77	104.77
138	M.S. handle (I.S.I.)						
a	100mm	Each	17.25	16.50	17.25	17.25	17.25
b	125mm	Each	20.87	20.87	20.87	20.87	20.87
c	150mm	Each	27.10	27.00	27.10	27.10	26.78
139	M.S. tower bolt (I.S.I.)						
a	100x10mm	Each	21.78	21.78	21.78	21.78	21.78
b	150x10mm	Each	30.09	30.09	30.09	30.09	30.09
c	200x10mm	Each	41.10	40.00	41.10	41.10	40.63
140	M/S. Screw (I.S.I.)						
a	12x3mm	100 pcs	34.40	33.00	34.40	34.40	34.40
b	12x4mm	100 pcs	38.33	38.33	38.33	38.33	38.33
c	20x4mm	100 pcs	37.33	39.84	38.74	39.84	39.84

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
d	20x5mm	100 pcs	39.35	40.88	40.84	40.88	40.88
e	25x4mm	100 pcs	45.23	45.23	45.23	45.23	45.23
f	25x5mm	100 pcs	51.25	51.25	51.25	51.25	51.25
g	30x4mm	100 pcs	53.64	53.64	53.64	53.64	53.64
h	30x5mm	100 pcs	55.73	55.73	55.73	55.73	55.73
i	30x6mm	100 pcs	59.43	59.43	57.60	59.43	59.43
j	35x6mm	100 pcs	62.88	62.88	60.74	62.88	62.88
k	35x7mm	100 pcs	61.55	64.77	63.87	64.77	64.77
l	35x8mm	100 pcs	76.22	76.22	74.36	76.22	76.22
m	50x7mm	100 pcs	81.07	83.04	81.68	83.04	82.18
n	50x8mm	100 pcs	87.50	87.50	85.87	87.50	87.13
141	Steel window stay bar (I.S.I.)						
a	200mm	Each	25.86	26.66	26.18	26.66	26.66
b	250mm	Each	32.30	32.30	31.41	32.30	32.30
c	300mm	Each	38.27	38.29	38.29	38.29	38.29
142	Steel window handle including Nut, bolt & washer (I.S.I.)						
a	100mm	Each	22.49	22.49	22.49	22.49	22.49
b	150mm	Each	26.89	28.25	27.22	28.25	28.25
143	Welded mesh						
a	25mmx25mmx11 gauge	Sqm	201.41	201.41	201.41	201.41	197.32
b	25mmx25mmx13 gauge	Sqm	188.26	188.26	188.26	188.26	184.49
c	50mmx25mmx11 gauge	Sqm	183.30	183.30	183.30	183.30	183.30
d	50mmx25mmx13 gauge	Sqm	172.31	173.81	173.81	173.81	168.45
144	G.I. "L" & "J" hook	Kg	77.04	77.04	77.04	77.04	77.04
145	W.I clamp	Kg	80.26	80.26	80.26	80.26	80.26
146	Aluminium fittings (I.S.I.)						
	Butt hinges (I.S.I.)						
a	125mmx75mmx4mm	Each	67.56	70.80	68.06	70.80	70.80
b	125mmx63mmx4mm	Each	56.13	60.26	56.55	60.26	60.26
c	100mmx75mmx4mm	Each	56.09	56.09	56.09	56.09	56.09
d	100mmx63mmx4mm	Each	55.67	55.67	55.67	55.67	55.67
e	75mmx63mmx4mm	Each	39.99	39.99	39.99	39.99	39.99
f	50mmx35mmx3.2mm	Each	18.94	18.00	18.94	18.94	18.94

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
147	Aluminium handle (I.S.I.)						
a	150mm with 175mm x 40mm flat	Each	35.15	35.00	35.15	35.15	35.15
b	125mm with 175mm x 40mm flat	Each	35.03	35.00	35.03	35.03	35.03
c	100mm with 150mm x 33mm flat	Each	31.31	31.31	31.31	31.31	31.31
d	75mm with 118mm x 33mm flat	Each	30.86	30.86	30.86	30.86	30.86
148	Aluminium tower bolt (Barrel type) (I.S.I.)						
a	300mm x10mm	Each	72.31	72.31	72.31	72.31	72.31
b	250mm 10mm	Each	65.51	65.51	65.51	65.51	65.51
c	200mm x 10mm	Each	59.46	59.46	59.46	59.46	59.46
d	150mm x 10mm	Each	54.26	54.00	54.26	54.26	54.26
e	100mm x 10mm	Each	45.17	45.17	45.17	45.17	45.17
149	Sliding door bolt (Aldrop) (I.S.I.)						
a	300mm x 16mm	Each	226.58	232.98	228.29	232.98	232.98
b	250mm x 16mm	Each	223.68	223.68	223.68	223.68	223.68
150	Brass fittings (I.S.I.) Butt hinges (light/Ordinary) (I.S.I.)						
a	125mm x 70mm x 4mm	Each	74.22	74.22	73.58	74.22	74.22
b	100mm x 70mm x 4mm	Each	62.63	62.63	62.63	62.63	62.63
c	75mm x 40mm x 2.5mm	Each	40.64	40.64	40.64	40.64	40.64
d	50mm x 40mm x 2.5mm	Each	18.60	20.62	19.24	20.62	20.62
151	Brass But hinges (Heavy type) (I.S.I.)						
a	125mm x 85mm x 5.5mm (0.07 kg)	Each	218.76	223.43	223.43	223.43	221.70
b	100mmx85mm5.5mm (0.056 kg)	Each	207.78	207.78	206.00	207.78	207.78
c	75mmx65mmx4mm (0.02 kg)	Each	91.74	91.74	86.02	91.74	89.25
152	Brass tower bolt (Barrel type) (I.S.I.)						
a	250mm x 10-mm	Each	224.23	227.61	227.61	225.45	227.61

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
b	200mm x 10mm	Each	198.24	198.24	194.68	198.24	198.24
c	150mm x 10mm	Each	137.82	141.01	141.01	141.01	139.45
d	100mm x 10mm	Each	108.28	108.28	105.27	108.28	105.27
153	Brass Screws (I.S.I.)						
a	50mm	100 Nos	181.00	190.61	190.61	190.61	190.61
b	40mm	100 Nos	167.00	176.67	176.67	176.67	175.77
c	30mm	100 Nos	148.76	153.66	153.66	153.66	151.20
d	25mm	100 Nos	132.35	138.78	136.96	138.78	138.38
e	20mm	100 Nos	94.59	94.59	94.59	94.59	94.59
154	Chromium plated fittings (Brass) (I.S.I.) Handle (I.S.I)						
a	125mm with 175 x 32mm plate	Each	166.26	166.26	165.26	166.26	161.88
b	100mm with 150 x 25mm plate	Each	134.53	137.57	137.57	137.57	137.57
c	75mm with 125 x 25mm plate	Each	124.76	124.76	124.51	124.76	123.43
155	Wall cement primer (I.S.I.)						
a	Oil bound	1 ltr	125.50	125.00	125.50	125.50	125.50
b	Water bound	1 ltr	154.27	159.03	159.03	159.03	159.03
156	Aluminium paint (I.S.I.)	1 ltr	165.43	167.09	167.09	167.09	165.58
157	Weather Coat (I.S.I.)	1 ltr	192.83	194.79	194.79	194.79	191.35
158	Adhesive (I.S.I.)	1 Kg	215.58	217.40	217.40	217.40	217.40
159	Bitumenous expansion joint board (I.S.I.)						
a	12mm thick	Sqm	739.96	739.96	739.96	739.96	729.50
b	16mm thick	Sqm	1021.34	1021.34	1021.34	1021.34	1006.75
c	25mm thick	Sqm	1314.45	1314.45	1314.45	1314.45	1313.89
160	Barbed wire (I.S.I.)	Kg	76.63	76.63	76.63	76.63	75.89
161	Glass plain (I.S.I.)						
a	3mm	Sqm	365.19	365.19	365.19	365.19	360.94
b	4mm	Sqm	428.91	437.36	437.36	437.36	437.36
c	5mm	Sqm	568.31	579.51	579.51	579.51	579.51
d	6mm	Sqm	672.91	672.91	672.91	650.50	672.91
e	8mm	Sqm	980.32	980.32	980.32	980.32	980.32
f	10mm	Sqm	1232.34	1232.34	1232.34	1232.34	1232.34
g	12mm	Sqm	1481.89	1484.03	1484.03	1484.03	1484.03

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
162	Glass pin headed (I.S.I.)						
a	4mm	Sqm	336.69	344.41	344.41	344.41	344.41
b	5mm	Sqm	417.61	417.61	417.61	417.61	412.25
163	Black glass (I.S.I.)						
a	4mm	Sqm	608.40	608.40	605.57	608.40	608.40
b	5mm	Sqm	688.40	705.01	705.01	705.01	705.01
c	6mm	Sqm	836.38	843.50	843.50	843.50	843.50
d	8mm	Sqm	1286.47	1286.47	1286.47	1286.47	1286.47
e	12mm	Sqm	1979.71	1979.71	1979.71	1979.71	1970.40
164	Frosted glass (I.S.I.)						
a	4mm	Sqm	553.21	553.21	553.21	553.21	545.23
b	5mm	Sqm	592.97	596.64	596.64	596.64	596.64
165	Wire glass – 6 mm (I.S.I.)	Sqm	690.54	700.29	700.29	700.29	700.29
166	Sun-control film (I.S.I.)						
a	Reflective	Sqm	612.27	628.82	628.82	628.82	628.82
b	Non-reflective	Sqm	433.20	443.39	443.39	443.39	443.39
167	Prelaminated particle board (standard type) (I.S.I.)						
a.	9mm	Sqm	634.45	634.45	634.45	634.45	634.34
b	12mm	Sqm	710.82	710.82	710.82	710.82	707.41
c	18mm	Sqm	782.53	782.53	782.53	782.53	772.13
d	25mm	Sqm	959.84	959.84	939.48	959.84	959.84
168	BWR ply wood (I.S.I.)						
a	3mm	Sqm	321.52	321.52	321.52	321.52	317.02
b	4mm	Sqm	363.42	363.93	363.93	363.93	363.93
c	6mm	Sqm	513.61	513.61	513.61	513.61	508.04
d	9mm	Sqm	641.33	668.32	668.32	668.32	668.32
e	12mm	Sqm	839.98	839.98	839.98	839.98	839.98
f	16mm	Sqm	994.34	994.34	994.34	994.34	994.34
g	19mm	Sqm	1146.91	1146.91	1146.91	1146.91	1123.90
h	25mm	Sqm	1607.92	1607.92	1607.92	1607.92	1601.97
169	BWR Block Board (I.S.I.)						
a	16mm	Sqm	892.52	911.00	911.00	911.00	911.00
b	19mm	Sqm	1001.28	1001.28	1001.28	1001.28	1001.28
c	25mm	Sqm	1154.40	1220.91	1220.91	1220.91	1220.91
d	32mm	Sqm	1432.30	1458.68	1458.68	1458.68	1458.68

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
170	Vinyl Flooring (I.S.I.)						
(A)	Homogeneous Range (I.S.I.)						
i	PVC (MF) Classic roll-1.00mm thick	Sqm	300.32	300.37	300.37	300.37	300.37
ii	PVC (MF) classic tile-1.00mm thick	Sqm	345.83	345.83	345.83	345.83	343.55
iii	PVC (MF) impress roll-1.50mm thick	Sqm	393.86	397.41	397.41	397.41	394.51
iv	PVC (MF) impress tile-1.50mm thick	Sqm	465.30	465.30	465.30	465.30	454.13
v	PVC (MF) super roll-2.00mm thick	Sqm	516.10	516.10	516.10	516.10	509.90
vi	PVC (MF) super tile -2.00mm thick	Sqm	598.40	598.40	598.40	598.40	591.64
(B)	Heterogeneous Range (I.S.I.)						
i	PVC (MF) Hetro roll-2.00mm thick	Sqm	552.39	555.82	555.82	555.82	555.82
ii	PVC (MF) hetro tile-2.00mm thick	Sqm	619.50	619.50	619.50	619.50	619.50
171	Aluminium extruded section	Kg	297.97	297.97	292.02	297.97	297.27
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. 1 RM)						
a	Outer frames Po-527	1 RM	378.18	381.80	381.45	381.80	381.80
b	Intermediate mullion Po-528	1 RM	409.19	409.19	409.19	407.01	407.01
c	Shutter frame Po-153	1 RM	322.82	322.82	319.20	319.34	319.34
d	Fixed beeding Po-179	1 RM	168.92	168.92	168.92	168.10	168.10
e	Sliding shutter Po-254	1 RM	194.34	196.43	195.81	196.43	196.43
f	Outer frames(side / top) Po-255	1 RM	235.66	238.33	237.69	238.33	238.33
g	Outer frames(bottom) Po-256	1 RM	167.90	167.90	161.86	167.90	167.90
h	Sliding track (SS) Po-257	1 RM	617.97	617.97	617.97	607.56	607.56

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
i	Sashbar Po-101	1 RM	593.67	593.67	593.67	593.67	593.67
j	Sashbar at shutter Po-107	1 RM	297.62	297.62	297.62	294.13	294.13
k	Louvered horizontal (Top/Bottom) Po-193A	1 RM	164.97	167.84	166.39	167.84	167.84
l	33 x 57 Box Section	1 RM	382.68	383.61	383.61	380.71	380.71
m	100x50mm Box Section	1 RM	568.47	568.47	568.47	562.63	562.63
n	Small Z Section	1 RM	279.43	280.52	280.52	280.52	280.52
o	Extended Z Section	1 RM	378.18	379.18	379.18	374.13	374.13
p	Cover Profile	1 RM	131.75	131.75	131.75	131.75	131.75
	Accessories						
a	sliding outer frame assembly / pc	Each	300.27	300.27	300.27	299.61	299.61
b	sliding shutter /pc	Each	357.75	357.75	357.75	357.75	357.75
c	Sashbar	Each	20.20	20.48	20.37	20.48	20.48
d	Wall fixing with polymide anchor at every 600mm c/c of outer frame	Each	32.54	33.73	32.82	33.73	33.73
e	Outer frame corner	Each	49.38	52.03	49.80	52.03	52.03
f	Top hung shutter / pc	Each	401.96	401.96	401.96	396.05	396.05
g	Fixed mullion	Each	60.60	63.06	61.12	63.06	63.06
h	Fixed glazing	Each	120.07	120.57	120.57	120.57	120.57
i	Louvered blade	Each	34.65	34.65	32.82	34.65	34.65
j	Side hung door / pc	Each	465.72	465.87	465.87	465.87	465.87
k	Door lock / pc	Each	415.22	423.88	418.80	423.88	423.88
l	Swing door shutter /pc	Each	231.98	231.98	231.98	231.66	231.66
m	Floor Spring (Godrej Make)	Each	3574.26	3579.24	3579.24	3570.00	3579.24
	Gasket						
a	For Shutter Po-153	1 RM	46.01	47.79	46.40	47.79	47.79
b	For beading Po-179	1 RM	63.27	63.27	61.12	63.27	63.27
c	For Sashbar Po-101	1 RM	130.21	130.21	127.90	130.21	130.21

Sl. No.	Name of items	Unit	Khurda	Puri	Nayagarh	Jagatsinghpur	Kendrapara
173	Rate of 60 micron powder coating (including labour charges and material for powder coating) for aluminium section.	Kg of Aluminium	31.23	31.23	30.36	31.23	31.23
174	12.5 mm thick gypsum board of size 6' x 4'	One Piece	395.45	400.00	397.95	400.64	400.64
175	Waste Plastic duly cleaned and shredded conforming to the size passing 2.36mm sieve and retained on 600 micron seive and conforming to requirement if IRC:SP:98-2013.	Per Kg	41.10	41.10	41.10	41.10	41.10

Note:

When source / quarry of a material considered outside the district, the rate of the source district must be adopted with adding transportation charges.

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
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	4015.60	3936.50	4231.96	4231.96	4231.96
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	3780.40	4113.87	4113.87	4113.87	4113.87
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	6105.67	6105.67	6105.67	6105.67	6105.67
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	5280.00	5243.10	5483.50	5483.50	5210.70
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	5030.50	5027.30	5142.55	5142.55	5000.00
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	4300.50	4283.40	4554.88	4554.88	4554.88
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	16.99	16.99	16.99	16.20	16.00

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
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	29.89	29.89	29.89	29.89	29.89
b.	400mm x 150mm x 200mm size	Each	24.32	24.32	24.32	24.32	24.32
c.	400mm x 100mm x 150mm size	Each	17.13	16.00	17.13	17.13	17.13
d.	300mm x 200mm x 150mm size	Each	19.21	19.21	19.21	19.21	19.21
e.	300mm x 150mm x 150mm size	Each	15.16	15.16	15.16	15.16	15.16
f.	300mm x 100mm x 150mm size	Each	13.89	13.00	13.89	13.75	13.89
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	26.84	26.00	26.84	26.84	26.84
b.	400mm x 150mm x 200mm size	Each	20.30	20.30	20.30	20.30	19.00
c.	400mm x 100mm x 200mm size	Each	16.50	15.00	16.50	16.50	16.50
d.	300mm x 200mm x 150mm size	Each	17.06	15.00	17.06	17.06	17.06
e.	300mm x 150mm x 150mm size	Each	13.99	13.99	13.99	13.99	13.99
f.	300mm x 100mm x 150mm size	Each	11.37	11.00	11.37	11.37	11.37
10	K.B. bricks Khoa 4 Cm.size	1 Cum	388.26	373.00	388.26	388.26	388.26
11	Clamp burnt brick Khoa 4 cm. size.	1 Cum	330.12	321.27	330.12	330.12	330.12
12	Surki of clamp burnt bricks.	1 Cum	473.81	446.81	473.81	473.81	473.81

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
13	Surki of Kiln burnt bricks.	1 Cum	490.00	493.85	493.85	493.85	493.85
14	Screen washed gravel for concrete (12mm. to 20mm.)	1 Cum	183.35	172.62	183.35	183.35	162.50
15	Gravel or moorum	1 Cum	65.88	65.88	65.88	65.88	64.28
16	Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1 Cum	122.30	120.00	136.33	136.33	113.00
17	River single or Bajri (12mm. to 20mm.)	1 Cum	131.14	130.00	131.14	118.20	121.64
18	Screened and washed sharp sand for mortar	1 Cum	76.88	76.88	76.88	68.45	66.85
19	Sand for filling and road blinding	1 Cum	71.94	71.94	71.94	65.70	60.43
20	Clay mortar for masonry work with admixture of sand.	1 Cum	65.65	59.52	65.65	65.65	65.65
21	Stone lime unslaked.	1 Kg.	21.88	21.88	21.88	21.60	21.88
22	Ghooting lime unslaked.	1 Kg.	26.94	26.94	26.94	26.65	26.94
23	Shell lime unslaked.	1 Kg.	24.19	24.19	24.19	23.30	24.19
24 a	Granite broken stone of size not less than 0.0025 Cum. Stacked	1 Cum.	279.80	288.10	291.96	291.96	290.00
b	Granite stone of size not less than 0.0025 Cum. picked up.	1 Cum.	251.90	253.80	272.26	268.60	253.50
25	Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	1 Cum.	255.00	260.20	263.50	263.50	259.70
26	Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	1 Cum.	229.00	230.30	236.25	235.00	227.50
27	Stone other than granite quarried, broken and staked above 0.003 Cum	1 Cum.	235.60	242.43	229.00	226.00	242.43

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
28	Stone other than granite picked up, broken and staked above 0.003 Cum	1 Cum.	222.80	230.30	233.93	223.00	227.50
29	Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve.						
a	Crusher broken.	1 Cum.	879.77	879.77	879.77	879.77	878.00
b	Hand broken.	1 Cum.	653.80	662.40	700.88	700.88	698.00
30	Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve)						
a	Crusher broken.	1 Cum.	839.70	846.80	899.33	897.00	887.00
b	Hand broken.	1 Cum.	659.30	661.20	710.56	710.56	702.00
31	Granite Stone broken metal 40mm. size						
a	Crusher broken.	1 Cum.	940.60	946.40	995.25	995.25	995.25
b	Hand broken.	1 Cum.	755.30	759.60	787.36	787.36	787.36
32	Granite Stone broken metal 26.5mm. size (Passing through 45mm sieve & retained on 22.4mm sieve)						
a	Crusher broken.	1 Cum.	1097.74	1097.74	1097.74	1097.74	1022.00
b	Hand broken.	1 Cum.	765.10	763.30	814.94	814.94	803.50
33	Granite Stone broken metal 25mm. size (Passing through 40mm sieve & retained on 20mm sieve)						
a	Crusher broken.	1 Cum.	1135.74	1135.74	1135.74	1135.74	1073.50
b	Hand broken.	1 Cum.	771.50	778.30	833.51	833.51	803.50

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
34	Granite Stone broken metal 22.4mm. size (Passing through 26.5mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1051.50	1052.30	1123.78	1123.78	1050.00
b	Hand broken.	1 Cum.	914.66	810.60	914.66	914.66	914.66
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.	1382.29	1326.30	1382.29	1382.29	1382.29
b	Hand broken.	1 Cum.	1040.60	1044.80	1077.82	1077.82	1077.82
36	Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1361.00	1360.00	1370.27	1370.27	1370.00
b	Hand broken.	1 Cum.	1055.20	1061.00	1094.45	1094.45	1094.45
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.	1386.40	1375.00	1396.62	1396.62	1396.62
b	Hand broken.	1 Cum.	1071.50	1078.40	1050.00	1085.19	1085.19
38	Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve)						
a	Crusher broken.	1 Cum.	1415.40	1390.00	1428.13	1428.13	1428.13
b	Hand broken.	1 Cum.	1095.50	1102.10	1121.38	1121.38	1121.38

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
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.	1415.10	1385.00	1418.67	1418.67	1380.00
b	Hand broken.	1 Cum.	1089.20	1095.90	1109.77	1109.77	1109.77
(A)	Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	1 Cum.	950.10	930.00	957.46	957.46	900.00
(B)	Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	1 Cum.	805.85	785.00	805.85	805.85	805.85
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.	850.20	805.00	850.20	850.20	850.20
41	Stone other than granite broken to 5cm. size.	1 Cum.	330.20	334.90	339.83	339.83	339.83
42	Stone other than granite broken to 4 cm. size.	1 Cum.	335.70	353.65	353.65	353.65	348.50
43	Stone other than granite broken to 2 cm. size.	1 Cum.	340.50	350.00	369.84	369.84	338.20
44	Stone other than granite broken to 1cm. size.	1 Cum.	375.20	379.70	393.53	376.30	393.53
45	Stone boulder 15cm. & above size granite picked up and nullah boulders.	1 Cum.	195.42	195.42	195.42	195.42	195.42
46	Soiling stone boulder 15Cm. & above size picked up nullah boulders broken.	1 Cum.	205.00	209.34	209.34	209.34	201.80

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
47	Stone boulder 15cm. & above size other than granite or laterite picked up and nullah boulders.	1 Cum.	161.60	169.30	170.43	170.43	170.43
48	Soiling stone boulder 15Cm. & above size other than granite or laterite picked up nullah boulders broken.	1 Cum.	175.00	184.20	186.28	186.28	178.70
49	Soling stone boulders 10 Cm. size picked up other than granite.	1 Cum.	165.20	165.97	165.97	165.97	162.00
50	Hard broken soling stone other than granite (40mm. to 90mm.)	1 Cum.	258.00	258.84	258.84	258.84	245.00
51	I.R.C. Grade I (90mm-45 mm.)	1 Cum.	795.00	800.00	804.94	804.94	804.94
52	I.R.C. Grade II (63mm. to 45mm.)	1 Cum.	885.00	870.00	906.85	906.85	906.85
53	I.R.C. Grade III (53mm. to 22.4mm.)	1 Cum.	945.30	950.00	990.88	990.88	960.00
54	Laterite soling stone 23Cm. size	1 Cum.	149.00	154.70	157.58	157.58	157.58
55	Laterite Stone rough dressed	1 Cum.	762.55	750.00	700.00	700.00	762.55
56	Bamboo mat or talai.	1 Sqm.	115.00	115.00	114.00	114.00	106.00
57	Bamboo 1ST class 7Cm. to 10Cm. dia & above 6m. long.	Each	88.00	88.00	80.00	80.00	88.00
58 a	Belongi Bomboo 2.51 Cm. to 4Cm. dia & above 5m. long.	Each	42.00	42.00	34.67	34.67	42.00
b	Belongi Bomboo above 4Cm. dia & up to 7Cm. dia & above 5m. long.	Each	51.00	51.00	42.50	42.50	51.00
59	Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	1 RM	51.87	51.87	51.87	51.87	51.87

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
60	Sal bullahs 150mm. to 200mm. mean dia up to 5.5m. long.	1 RM	124.26	124.26	124.26	124.26	124.26
61	Sal bullahs above 200mm. & up to 250mm. mean dia & up to 2.75m. long.	1Cum.	18069.75	18069.75	18069.75	18069.75	18069.75
62	Sal bullahs above 200mm. & up to 250mm. mean dia above 2.75m. long & up to 4.75m. long.	1Cum.	22474.75	22474.75	22474.75	22474.75	22474.75
63	Sal bullahs above 200mm. & up to 250mm. mean dia above 4.75m. long	1Cum.	26849.00	26849.00	26849.00	26849.00	26849.00
64	Sal bullahs above 250mm. & up to 380mm. mean dia & up to 2.75m. long	1Cum.	29736.50	29736.50	29736.50	29736.50	29736.50
65	Sal bullahs above 250mm. & up to 380mm. mean dia & above 2.75m. long up to 4.75m. long	1Cum.	36622.50	36622.50	36622.50	36622.50	36622.50
66	Sal bullahs above 250mm. & up to 380mm. mean dia & above 4.75m. long.	1Cum.	42542.67	42542.67	42542.67	42542.67	42542.67
67	Non-sal bullahs 75mm. mean dia of any length.	1 RM	30.81	30.81	30.81	30.81	30.81
68	Non-sal bullahs 100mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
69	Non-sal bullahs 125mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
70	Non-Sal bullahs 150mm. to 200mm. mean dia of any length.	1 RM	67.82	67.82	67.82	67.82	67.82
71	Non-Sal bullahs above 200mm. & up to 250mm. mean dia up to 2.5m. long.	1Cum.	18070.06	18070.06	18070.06	18070.06	18070.06

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
72	Non-Sal bullahs above 200mm. & up to 250mm. mean dia above 2.5m. long.	1Cum.	24643.33	24643.33	24643.33	24643.33	24643.33
73	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & up to 2.75m. long.	1Cum.	53035.75	53035.75	53035.75	53035.75	53035.75
74	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & above 2.75m. long.	1Cum.	71150.50	71150.50	71150.50	71150.50	71150.50
75	Seasoned Sal wood beam of cross sectional area not less than 150Sq.cm. & least lateral dimension 100mm. & above 2.75m. long.	1Cum.	65533.50	65533.50	65533.50	65533.50	65533.50
76	Seasoned Sal wood planks not more than 75mm. thick & not less than 200mm. width.	1Cum.	63839.00	63839.00	63839.00	63839.00	63839.00
77	Seasoned Piasal wood planks for shutters.	1Cum.	74369.67	74369.67	74369.67	74369.67	74369.67
78	Seasoned Teak wood planks for shutters.	1Cum.	114414.9 4	114414.9 4	114414.9 4	114414.9 4	114414.9 4
79	Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	1Cum.	58374.79	58374.79	58374.79	58374.79	58374.79
80	Non-Sal reapers.	1Cum.	13268.45	13268.45	13268.45	13268.45	13268.45
81	Fire wood	1Qntl	588.00	588.70	700.00	731.99	700.00
82	1St class Raniganj or Mangalore pattern tiles.	100 Nos.	916.00	893.70	976.72	976.72	930.12
83	Ridges of Raniganj or Mangalore parttern tiles.	100 Nos.	1440.60	1408.46	1494.52	1494.52	1414.84
84	Flat tiles (14Cm. x14 Cm.x 1Cm.)	1000 Nos.	301.50	285.43	310.09	310.09	261.80

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
85	Flat tiles (15Cm x15Cmx 1.2 Cm)	1000 Nos.	325.10	307.08	339.65	339.65	339.65
86	Flat tiles (30Cm. x 15 Cm.x 2.5 Cm.)	1000 Nos.	1331.02	1331.02	1331.02	1331.02	1331.02
87	Flat tiles (30Cm. x 30 Cm.x 2.5 Cm.)	1000 Nos.	1436.30	1556.57	1556.57	1556.57	1556.57
88	Pan tiles	1000 Nos.	315.00	301.20	328.42	328.42	328.42
89	Nuria tiles (20Cm. to 25Cm.)	1000 Nos.	650.00	719.25	719.25	719.25	719.25
90	Nuria tiles (25Cm. to 30Cm.)	1000 Nos.	912.84	912.84	912.84	912.00	912.84
91	Ridge tiles	1000 Nos.	1034.59	1034.59	1034.59	1034.59	1034.59
92	Marble Tiles of minimum 16 mm thick, dunguri Variety.						
a	Up to 0.10 Sqm.	1 Sqm.	550.60	550.99	550.99	550.99	539.72
b	Above 0.10 Sqm. to 0.40 Sqm.	1 Sqm.	670.90	677.95	677.95	677.95	677.95
c	Above 0.4 Sqm. to 1.00 Sqm.	1 Sqm.	755.70	766.45	766.45	766.45	766.45
93	Kota Tiles of minimum 16 mm thick						
a	Up to 0.10 Sqm.	1 Sqm.	409.60	416.91	416.91	416.91	416.91
b	Above 0.10 Sqm.	1 Sqm.	500.20	500.20	500.20	500.20	500.20
94	Khandolites (Up to 0.06 Sqm.)	1 Sqm.	324.37	324.37	324.37	324.37	324.37
95	Granite Tiles						
a	Up to 0.10 Sqm. (10mm thick)	1 Sqm.	1175.60	1181.85	1181.85	1181.85	1181.85
b	Above 0.10 Sqm						
i	Above 0.10 Sqm & up to 0.4 sqm (10mm. thick)	1 Sqm.	1328.07	1328.07	1328.07	1328.07	1320.52
ii	Above 0.40 sqm. (20mm thick)	1 Sqm.	2090.00	2092.00	2098.83	2083.50	2098.83
96	Kodappa Tiles of 10 mm thick						
a	Above 0.1 Sqm & Up to 0.40 Sqm.	1 Sqm.	310.43	310.43	310.43	310.43	299.63
b	Above 0.40 Sqm.	1 Sqm.	370.50	372.80	372.80	372.80	372.80

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
97	Dholpuri Stone Tiles.	1 Sqm.	405.20	408.94	408.94	408.94	408.94
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 conforming to IS 13753	1 Sqm.	405.20	385.00	405.20	405.20	405.20
b	30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming to IS 13755	1 Sqm.	450.08	450.08	450.08	450.08	450.08
c	Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B la) of following sizes.						
i.	Vitrified Tile 600mmx600mm Plain (Ivory)	1 Sqm.	651.08	643.60	651.08	651.08	651.08
ii.	Vitrified Tile 600mmx600mm Coloured / Printed series (Homogeneous)	1 Sqm.	689.20	695.76	695.76	695.76	695.76
d	Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm conforming to IS 4457 of size 300mmx300mm	1 Sqm.	578.35	578.35	578.35	578.35	578.35
99	Chequered Tiles.	1 Sqm.	225.50	236.90	254.75	254.75	215.30
100	Terrazo Tiles.						
a	With grey cement.	1 Sqm.	256.07	256.07	256.07	256.07	256.07
b	With white cement	1 Sqm.	305.40	308.96	308.96	308.96	308.96
101	Red oxide Primer	1 Litre	140.50	142.70	142.70	142.70	142.70
102	Wood Primer	1 Litre	155.08	155.08	155.08	155.08	155.08
103	Wood Shine Paint	1 Litre	170.50	176.27	176.27	176.27	176.27

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj	
104	Plastic Emulsion paint	1 Litre	249.34	249.34	249.34	249.34	249.34	
105	Enamel paint	1 Litre	200.20	203.50	205.34	205.34	205.34	
106	Distemper	1 Kg.	70.10	70.00	70.10	70.10	70.10	
107	Cement paint	1 Kg.	47.83	47.83	47.83	47.83	47.83	
108	Red oxide powder	1 Kg.	123.94	123.94	123.94	123.94	123.94	
109	French polish	1 Litre	172.90	172.90	172.90	172.90	172.90	
110	Varnish	1 Litre	169.40	169.85	169.85	169.85	169.85	
111	Plaster of paris	1 Kg.	17.23	17.23	17.23	17.23	17.23	
112	Coal Tar	1 Kg.	49.21	49.21	49.21	49.21	49.21	
113	G.C.I. Sheet							
a	0.30mm thick	1 Sqm.	315.00	317.50	317.50	317.50	317.50	
b	0.40mm thick	1 Sqm.	333.12	333.12	333.12	333.12	333.12	
114	A.C. Sheet	1 Sqm.	201.20	206.20	209.10	209.10	209.10	
115	A.C. ridges	1 pair	207.60	207.69	207.69	207.69	203.00	
116	6mm. Thick Plain A.C. Sheet	1 Sqm	246.55	244.00	246.55	246.55	246.55	
117	Tar Paper	1 Sqm	24.76	24.76	24.76	24.76	24.76	
118	Putty (Wood)	1 Kg.	31.67	30.00	31.67	31.67	31.67	
119	Putty (Iron)	1 Kg.	101.83	101.83	101.83	101.83	101.83	
120	Wire Nails	1 Kg.	79.56	79.56	79.56	79.56	79.56	
121	M.S. Angle	1 Qntl.	Rate as fixed by SAIL					
122	M.S. Channel	1 Qntl.						
123	Bolt, Nut & Washers	1 Kg.	91.46	91.46	91.46	90.00	91.46	
124	Holding down bolts minimum 60 Cm. long with 15Cm. x 15 Cm. x 6mm. size washer plate	1 Kg.	88.30	89.58	89.58	89.58	89.58	
125	Binding Wire.	1 Kg.	90.10	90.10	90.00	90.10	90.00	
126	Coir String	1 Kg.	61.90	61.90	61.90	61.90	61.90	
127 a	Empty Cement bags (HDPE) by lot & not shorted out	100 nos	400.00	400.00	400.00	400.00	400.00	
b	Empty Cement gunny bags by lot & not shorted out	100 nos	394.50	394.50	394.50	394.50	394.50	
c	Empty Bitumen Drum	Each	138.60	138.70	142.59	142.59	142.59	
d	Empty Bitumen Emulsion Drum	Each	255.33	250.00	255.33	255.33	255.33	

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj	
128	Straw in Bundle	100 nos	275.84	275.84	275.84	275.84	275.84	
129	Marble Chips.	1qntl	672.00	673.93	673.93	673.93	673.93	
130	Marble Powder	1qntl	394.00	390.00	394.20	394.20	394.20	
131	Cement	1qntl	Average factory price of three manufactures of cement inside the State.					
a	33 Grade	1qntl						
b	43 Grade	1qntl						
c	53 Grade	1qntl						
132	White Cement.	1qntl	2006.00	2017.18	2017.18	2017.18	2017.18	
133	Steel	1qntl	Rate as fixed by SAIL					
a	Mild Steel	1qntl						
b	HYSD (Fe-415) / (Fe500)	1qntl						
134	“Z” type Steel Sheet Piles	1qntl	6061.00	6059.80	6118.65	6118.65	6118.65	
135	Bentonite powder	1qntl	337.87	337.87	337.87	337.87	337.87	
136	Oxidized mild steel fittings (I.S.I.)							
	Butt hinges (I.S.I.)							
a	50x37x1.50mm	Each	12.10	12.10	12.10	12.10	12.10	
b	75x47x0.70mm	Each	15.27	15.27	15.27	14.25	15.27	
c	100x58x1.90mm	Each	18.40	18.40	18.40	18.20	18.40	
d	125x65x2.12mm	Each	24.84	24.84	24.84	24.20	24.84	
137	M.S. aldop (I.S.I.)							
a	250x16mm	Each	98.30	98.30	98.30	98.30	98.30	
b	300x16mm	Each	104.77	104.77	104.77	104.77	104.77	
138	M.S. handle (I.S.I.)							
a	100mm	Each	17.25	17.25	17.25	17.25	17.25	
b	125mm	Each	20.87	20.87	20.87	20.00	20.87	
c	150mm	Each	27.10	27.10	27.10	27.10	27.10	
139	M.S. tower bolt (I.S.I.)							
a	100x10mm	Each	21.78	21.78	21.00	21.00	21.78	
b	150x10mm	Each	30.09	30.09	30.00	29.00	30.09	
c	200x10mm	Each	41.10	41.10	41.10	41.10	41.10	
140	M/S. Screw (I.S.I.)							
a	12x3mm	100 pcs	34.40	34.40	34.40	34.40	34.40	
b	12x4mm	100 pcs	38.33	36.00	38.33	38.33	38.33	
c	20x4mm	100 pcs	39.84	39.84	39.84	39.84	39.84	

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
d	20x5mm	100 pcs	40.88	40.88	40.88	40.88	40.88
e	25x4mm	100 pcs	45.23	45.23	45.23	45.23	45.23
f	25x5mm	100 pcs	51.25	51.25	51.25	51.25	51.25
g	30x4mm	100 pcs	53.64	53.64	53.64	53.64	53.64
h	30x5mm	100 pcs	55.73	55.73	55.73	55.73	55.73
i	30x6mm	100 pcs	59.43	59.43	59.43	59.43	59.43
j	35x6mm	100 pcs	62.88	62.88	62.88	62.88	62.88
k	35x7mm	100 pcs	64.77	64.77	64.77	64.77	64.77
l	35x8mm	100 pcs	76.22	76.22	76.22	76.22	76.22
m	50x7mm	100 pcs	83.04	83.04	83.04	83.04	83.04
n	50x8mm	100 pcs	87.50	87.50	87.50	87.50	87.50
141	Steel window stay bar (I.S.I.)						
a	200mm	Each	26.66	26.66	26.66	26.66	26.66
b	250mm	Each	32.30	32.30	32.30	32.30	32.30
c	300mm	Each	38.29	37.00	37.00	38.29	38.29
142	Steel window handle including Nut, bolt & washer (I.S.I.)						
a	100mm	Each	22.49	22.00	22.49	22.49	22.49
b	150mm	Each	28.25	28.25	28.25	28.25	28.25
143	Welded mesh						
a	25mmx25mmx11 gauge	Sqm	200.10	201.41	201.41	201.41	201.41
b	25mmx25mmx13 gauge	Sqm	188.20	188.26	188.26	188.26	188.26
c	50mmx25mmx11 gauge	Sqm	183.30	183.30	183.30	183.30	183.30
d	50mmx25mmx13 gauge	Sqm	171.10	173.81	173.81	173.81	173.81
144	G.I. "L" & "J" hook	Kg	77.04	77.04	77.04	76.00	77.04
145	W.I clamp	Kg	80.26	80.26	80.26	80.26	80.26
146	Aluminium fittings (I.S.I.)						
	Butt hinges (I.S.I.)						
a	125mmx75mmx4mm	Each	70.80	70.80	70.80	70.80	70.80
b	125mmx63mmx4mm	Each	60.26	60.26	60.26	60.26	60.26
c	100mmx75mmx4mm	Each	56.09	56.09	56.09	56.09	56.09
d	100mmx63mmx4mm	Each	55.67	55.67	55.67	55.67	55.67
e	75mmx63mmx4mm	Each	39.99	39.99	39.99	39.99	39.99
f	50mmx35mmx3.2mm	Each	18.94	18.94	18.94	18.94	18.94

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
147	Aluminium handle (I.S.I.)						
a	150mm with 175mm x 40mm flat	Each	35.15	35.15	35.15	35.15	35.15
b	125mm with 175mm x 40mm flat	Each	35.03	35.03	35.03	35.03	35.03
c	100mm with 150mm x 33mm flat	Each	31.31	31.31	30.00	31.31	31.31
d	75mm with 118mm x 33mm flat	Each	30.86	30.86	30.86	30.86	30.86
148	Aluminium tower bolt (Barrel type) (I.S.I.)						
a	300mm x10mm	Each	72.31	72.31	72.31	72.31	72.31
b	250mm 10mm	Each	65.51	65.51	65.51	65.51	65.51
c	200mm x 10mm	Each	59.46	59.46	59.46	59.46	59.46
d	150mm x 10mm	Each	54.26	54.26	54.26	54.26	54.26
e	100mm x 10mm	Each	45.17	45.17	45.17	45.17	45.17
149	Sliding door bolt (Aldrop) (I.S.I.)						
a	300mm x 16mm	Each	232.98	232.98	232.98	232.98	232.98
b	250mm x 16mm	Each	223.68	223.68	223.68	218.00	223.68
150	Brass fittings (I.S.I.) Butt hinges (light/Ordinary) (I.S.I.)						
a	125mm x 70mm x 4mm	Each	74.22	74.22	74.22	74.22	74.22
b	100mm x 70mm x 4mm	Each	61.50	62.63	62.63	62.63	62.63
c	75mm x 40mm x 2.5mm	Each	40.64	40.64	40.64	40.00	40.64
d	50mm x 40mm x 2.5mm	Each	20.62	20.00	20.62	20.62	19.15
151	Brass But hinges (Heavy type) (I.S.I.)						
a	125mm x 85mm x 5.5mm (0.07 kg)	Each	223.43	223.43	223.43	223.43	223.43
b	100mmx85mm5.5mm (0.056 kg)	Each	205.70	207.78	207.78	207.78	207.78
c	75mmx65mmx4mm (0.02 kg)	Each	91.74	91.74	91.74	91.74	91.74
152	Brass tower bolt (Barrel type) (I.S.I.)						
a	250mm x 10-mm	Each	221.10	227.61	227.61	227.61	227.61

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
b	200mm x 10mm	Each	198.24	198.24	198.24	198.24	198.24
c	150mm x 10mm	Each	141.01	141.01	140.00	141.01	141.01
d	100mm x 10mm	Each	108.28	108.28	108.28	108.28	108.28
153	Brass Screws (I.S.I.)						
a	50mm	100 Nos	190.61	190.61	190.61	190.61	190.61
b	40mm	100 Nos	176.67	168.00	176.67	176.67	176.67
c	30mm	100 Nos	153.66	153.66	153.66	153.66	153.66
d	25mm	100 Nos	138.78	138.78	138.78	138.78	138.78
e	20mm	100 Nos	94.59	94.59	94.59	94.59	91.49
154	Chromium plated fittings (Brass) (I.S.I.) Handle (I.S.I)						
a	125mm with 175 x 32mm plate	Each	163.50	166.26	166.26	166.26	166.26
b	100mm with 150 x 25mm plate	Each	137.57	137.57	137.57	137.57	137.57
c	75mm with 125 x 25mm plate	Each	124.76	124.76	124.76	124.76	124.76
155	Wall cement primer (I.S.I.)						
a	Oil bound	1 ltr	125.50	125.50	125.50	125.50	125.50
b	Water bound	1 ltr	155.60	159.03	159.03	159.03	159.03
156	Aluminium paint (I.S.I.)	1 ltr	167.09	167.09	167.09	167.09	167.09
157	Weather Coat (I.S.I.)	1 ltr	193.00	194.79	194.79	194.79	194.79
158	Adhesive (I.S.I.)	1 Kg	209.60	217.40	217.40	217.40	217.40
159	Bitumenous expansion joint board (I.S.I.)						
a	12mm thick	Sqm	734.20	736.00	730.00	739.96	739.96
b	16mm thick	Sqm	1010.60	1013.30	1020.00	1021.34	1021.34
c	25mm thick	Sqm	1314.45	1314.45	1310.00	1300.00	1314.45
160	Barbed wire (I.S.I.)	Kg	76.63	75.00	76.63	76.63	76.63
161	Glass plain (I.S.I.)						
a	3mm	Sqm	365.19	360.50	365.19	365.19	365.19
b	4mm	Sqm	437.36	437.36	437.36	437.36	437.36
c	5mm	Sqm	579.51	579.51	579.51	579.51	579.51
d	6mm	Sqm	672.91	672.91	672.91	672.91	672.91
e	8mm	Sqm	954.80	955.90	980.32	980.32	980.32
f	10mm	Sqm	1232.34	1232.34	1232.34	1232.34	1232.34
g	12mm	Sqm	1484.03	1484.03	1484.03	1484.03	1484.03

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
162	Glass pin headed (I.S.I.)						
a	4mm	Sqm	344.41	344.41	344.41	344.41	344.41
b	5mm	Sqm	415.30	415.50	417.61	417.61	417.61
163	Black glass (I.S.I.)						
a	4mm	Sqm	608.40	608.40	608.40	608.40	608.40
b	5mm	Sqm	705.01	705.01	705.01	685.00	705.01
c	6mm	Sqm	843.50	843.50	843.50	843.50	843.50
d	8mm	Sqm	1286.47	1254.30	1286.47	1286.47	1286.47
e	12mm	Sqm	1975.00	1979.71	1979.71	1979.71	1979.71
164	Frosted glass (I.S.I.)						
a	4mm	Sqm	547.50	553.21	553.21	553.21	553.21
b	5mm	Sqm	590.30	590.50	596.64	596.64	596.64
165	Wire glass – 6 mm (I.S.I.)	Sqm	700.29	700.29	700.29	700.29	700.29
166	Sun-control film (I.S.I.)						
a	Reflective	Sqm	628.82	610.00	628.82	628.82	628.82
b	Non-reflective	Sqm	435.80	435.00	443.39	443.39	443.39
167	Prelaminated particle board (standard type) (I.S.I.)						
a.	9mm	Sqm	634.45	634.45	634.45	634.45	627.66
b	12mm	Sqm	709.20	710.82	710.82	710.82	710.82
c	18mm	Sqm	775.60	780.00	782.53	782.53	782.53
d	25mm	Sqm	959.84	959.84	959.84	959.84	959.84
168	BWR ply wood (I.S.I.)						
a	3mm	Sqm	321.00	320.00	321.52	321.52	321.52
b	4mm	Sqm	360.00	360.00	363.93	363.93	363.93
c	6mm	Sqm	510.20	513.61	513.61	513.61	513.61
d	9mm	Sqm	668.32	668.32	668.32	668.32	668.32
e	12mm	Sqm	839.98	819.50	839.98	839.98	839.98
f	16mm	Sqm	994.34	994.34	994.34	994.34	994.34
g	19mm	Sqm	1125.30	1132.60	1146.91	1146.91	1146.91
h	25mm	Sqm	1605.30	1607.92	1600.00	1600.00	1607.92
169	BWR Block Board (I.S.I.)						
a	16mm	Sqm	911.00	911.00	911.00	911.00	911.00
b	19mm	Sqm	1001.28	1001.28	1001.28	1001.28	1001.28
c	25mm	Sqm	1220.91	1220.91	1220.91	1220.91	1220.91
d	32mm	Sqm	1458.68	1458.68	1458.68	1458.68	1458.68

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
170	Vinyl Flooring (I.S.I.)						
(A)	Homogeneous Range (I.S.I.)						
i	PVC (MF) Classic roll-1.00mm thick	Sqm	300.10	300.37	300.37	300.37	300.37
ii	PVC (MF) classic tile-1.00mm thick	Sqm	345.83	345.00	345.83	345.83	345.83
iii	PVC (MF) impress roll-1.50mm thick	Sqm	397.41	397.41	397.41	397.41	397.41
iv	PVC (MF) impress tile-1.50mm thick	Sqm	460.50	460.50	465.30	465.30	455.31
v	PVC (MF) super roll-2.00mm thick	Sqm	516.10	516.10	516.10	516.10	516.10
vi	PVC (MF) super tile -2.00mm thick	Sqm	598.40	598.40	598.40	598.40	598.40
(B)	Heterogeneous Range (I.S.I.)						
i	PVC (MF) Hetro roll-2.00mm thick	Sqm	548.30	550.50	555.82	555.82	544.35
ii	PVC (MF) hetro tile-2.00mm thick	Sqm	610.30	615.20	619.50	619.50	615.18
171	Aluminium extruded section	Kg	297.97	297.97	297.97	297.97	297.97
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. 1 RM)						
a	Outer frames Po-527	1 RM	380.10	381.80	381.80	381.80	381.80
b	Intermediate mullion Po-528	1 RM	408.60	409.19	409.19	409.19	409.19
c	Shutter frame Po-153	1 RM	322.82	322.82	322.82	322.82	322.82
d	Fixed beeding Po-179	1 RM	168.92	168.92	168.92	168.92	168.92
e	Sliding shutter Po-254	1 RM	196.43	190.00	196.43	196.43	196.43
f	Outer frames(side / top) Po-255	1 RM	238.33	238.33	238.33	238.33	238.33
g	Outer frames(bottom) Po-256	1 RM	167.90	167.90	167.90	167.90	167.90
h	Sliding track (SS) Po-257	1 RM	615.20	617.97	617.97	617.97	617.97

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
i	Sashbar Po-101	1 RM	580.20	593.67	593.67	593.67	593.67
j	Sashbar at shutter Po-107	1 RM	297.62	297.62	297.62	297.62	297.62
k	Louvered horizontal (Top/Bottom) Po-193A	1 RM	167.84	160.00	167.84	167.84	167.84
l	33 x 57 Box Section	1 RM	383.61	383.61	383.61	383.61	383.61
m	100x50mm Box Section	1 RM	565.60	568.47	568.47	568.47	568.47
n	Small Z Section	1 RM	280.52	280.52	280.52	280.52	280.52
o	Extended Z Section	1 RM	379.18	379.18	379.18	379.18	379.18
p	Cover Profile	1 RM	131.75	130.50	131.75	130.00	131.75
	Accessories						
a	sliding outer frame assembly / pc	Each	300.27	300.27	300.27	298.00	300.27
b	sliding shutter /pc	Each	357.75	357.75	357.75	357.75	357.75
c	Sashbar	Each	20.48	20.48	20.48	20.48	20.48
d	Wall fixing with polymide anchor at every 600mm c/c of outer frame	Each	33.73	33.73	33.73	33.73	33.73
e	Outer frame corner	Each	52.03	49.50	52.03	52.03	52.03
f	Top hung shutter / pc	Each	401.20	401.96	401.96	400.00	401.96
g	Fixed mullion	Each	63.06	60.50	63.06	63.06	63.06
h	Fixed glazing	Each	120.57	120.25	120.57	120.57	120.57
i	Louvered blade	Each	34.65	34.65	34.65	34.65	34.65
j	Side hung door / pc	Each	465.87	465.87	465.87	465.87	465.87
k	Door lock / pc	Each	423.88	423.88	423.88	423.88	423.88
l	Swing door shutter /pc	Each	231.98	231.98	231.98	231.98	231.98
m	Floor Spring (Godrej Make)	Each	3579.24	3579.24	3579.24	3555.00	3579.24
	Gasket						
a	For Shutter Po-153	1 RM	47.79	47.79	47.79	47.79	47.79
b	For beading Po-179	1 RM	63.27	63.27	63.27	63.27	63.27
c	For Sashbar Po-101	1 RM	130.21	125.20	130.21	130.21	130.21

Sl. No.	Name of items	Unit	Jajpur	Cuttack	Balasore	Bhadrak	Mayurbhanj
173	Rate of 60 micron powder coating (including labour charges and material for powder coating) for aluminium section.	Kg of Aluminium	31.23	30.00	31.23	31.23	31.23
174	12.5 mm thick gypsum board of size 6' x 4'	One Piece	400.64	400.64	400.64	400.64	400.64
175	Waste Plastic duly cleaned and shredded conforming to the size passing 2.36mm sieve and retained on 600 micron seive and conforming to requirement if IRC:SP:98-2013.	Per Kg	41.10	41.10	41.10	41.10	41.10

Note:

When source / quarry of a material considered outside the district, the rate of the source district must be adopted with adding transportation charges.

1.2 FOR DISTRICTS OF NORTHERN RDC DIVISION

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
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	4231.96	4231.96	4231.96	4231.96	4231.96
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	4113.87	4113.87	4113.87	4113.87	4100.00
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	6105.67	6105.67	6105.67	6105.67	5900.00
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	5483.50	5483.50	5483.50	5483.50	5483.50
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	5007.50	5124.20	5142.55	5142.55	5000.00
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	4554.88	4554.88	4554.88	4554.88	4554.88
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	16.50	16.30	16.99	16.99	16.99

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
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	29.89	29.89	29.00	29.89	29.89
b.	400mm x 150mm x 200mm size	Each	24.32	24.32	24.32	24.00	24.32
c.	400mm x 100mm x 150mm size	Each	17.13	17.00	17.00	17.00	17.13
d.	300mm x 200mm x 150mm size	Each	19.21	19.21	19.00	18.00	19.21
e.	300mm x 150mm x 150mm size	Each	15.16	15.16	14.60	15.16	15.16
f.	300mm x 100mm x 150mm size	Each	13.89	13.89	13.89	13.00	13.89
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	26.84	26.84	26.84	25.75	25.00
b.	400mm x 150mm x 200mm size	Each	20.30	20.30	19.60	19.50	20.30
c.	400mm x 100mm x 200mm size	Each	16.50	16.50	16.50	16.50	16.50
d.	300mm x 200mm x 150mm size	Each	17.06	17.00	17.06	17.06	17.06
e.	300mm x 150mm x 150mm size	Each	13.99	13.99	13.99	13.00	13.99
f.	300mm x 100mm x 150mm size	Each	11.37	11.37	11.37	11.37	11.37
10	K.B. bricks Khoa 4 Cm.size	1 Cum	388.26	388.26	388.26	380.00	388.26
11	Clamp burnt brick Khoa 4 cm. size.	1 Cum	310.63	309.60	330.12	320.00	330.12
12	Surki of clamp burnt bricks.	1 Cum	473.81	466.20	446.00	473.81	473.81

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
13	Surki of Kiln burnt bricks.	1 Cum	493.85	493.85	492.00	493.85	470.00
14	Screen washed gravel for concrete (12mm. to 20mm.)	1 Cum	183.35	183.35	183.35	160.00	183.35
15	Gravel or moorum	1 Cum	65.88	65.88	58.00	61.00	62.00
16	Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1 Cum	136.33	136.33	136.33	136.33	136.33
17	River single or Bajri (12mm. to 20mm.)	1 Cum	131.14	131.14	120.00	125.00	131.14
18	Screened and washed sharp sand for mortar	1 Cum	76.88	76.88	65.00	76.88	76.88
19	Sand for filling and road blinding	1 Cum	71.94	71.94	55.00	71.94	70.00
20	Clay mortar for masonry work with admixture of sand.	1 Cum	65.65	62.77	62.00	65.00	65.65
21	Stone lime unslaked.	1 Kg.	21.88	21.88	21.88	21.88	21.88
22	Ghooting lime unslaked.	1 Kg.	26.94	26.94	26.94	26.94	26.94
23	Shell lime unslaked.	1 Kg.	24.19	24.19	24.19	24.19	24.19
24 a	Granite broken stone of size not less than 0.0025 Cum. Stacked	1 Cum.	291.96	291.96	270.00	291.96	291.96
b	Granite stone of size not less than 0.0025 Cum. picked up.	1 Cum.	267.04	267.22	272.26	272.26	272.26
25	Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	1 Cum.	263.50	263.50	263.50	260.00	263.50
26	Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	1 Cum.	236.25	236.25	236.25	230.00	236.25
27	Stone other than granite quarried, broken and staked above 0.003 Cum	1 Cum.	242.43	242.43	222.00	240.00	242.43

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
28	Stone other than granite picked up, broken and staked above 0.003 Cum	1 Cum.	233.93	233.93	233.93	233.93	233.93
29	Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve.						
a	Crusher broken.	1 Cum.	879.77	879.77	826.00	860.00	870.00
b	Hand broken.	1 Cum.	700.88	700.88	700.88	700.00	700.88
30	Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve)						
a	Crusher broken.	1 Cum.	899.33	899.33	899.33	880.00	850.00
b	Hand broken.	1 Cum.	710.56	710.56	655.00	700.00	700.00
31	Granite Stone broken metal 40mm. size						
a	Crusher broken.	1 Cum.	995.25	995.25	995.25	995.25	950.00
b	Hand broken.	1 Cum.	787.36	787.36	750.00	780.00	745.00
32	Granite Stone broken metal 26.5mm. size (Passing through 45mm sieve & retained on 22.4mm sieve)						
a	Crusher broken.	1 Cum.	1097.74	1097.74	1097.74	1097.74	1097.74
b	Hand broken.	1 Cum.	814.94	814.94	750.00	800.00	765.00
33	Granite Stone broken metal 25mm. size (Passing through 40mm sieve & retained on 20mm sieve)						
a	Crusher broken.	1 Cum.	1135.74	1135.74	1135.74	1050.00	1135.74
b	Hand broken.	1 Cum.	833.51	833.51	782.00	833.51	833.51

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
34	Granite Stone broken metal 22.4mm. size (Passing through 26.5mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1123.78	1123.78	1123.78	1080.00	1123.78
b	Hand broken.	1 Cum.	914.66	914.66	914.66	900.00	914.66
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.	1382.29	1382.29	1335.00	1382.29	1382.29
b	Hand broken.	1 Cum.	1077.82	1077.82	1077.82	1077.82	1048.00
36	Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1361.88	1370.27	1350.00	1370.27	1370.27
b	Hand broken.	1 Cum.	1094.45	1094.45	1094.45	1094.45	1063.00
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.	1396.62	1396.62	1370.00	1396.62	1396.62
b	Hand broken.	1 Cum.	1085.19	1085.19	1085.19	1085.19	1080.00
38	Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve)						
a	Crusher broken.	1 Cum.	1428.13	1428.13	1410.00	1428.13	1428.13
b	Hand broken.	1 Cum.	1121.38	1121.38	1120.00	1121.38	1095.00

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
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.	1405.22	1402.00	1418.67	1390.00	1418.67
b	Hand broken.	1 Cum.	1109.77	1109.77	1106.00	1109.77	1090.00
(A)	Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	1 Cum.	957.46	957.46	930.00	957.46	957.46
(B)	Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	1 Cum.	747.15	748.12	805.85	805.85	790.00
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.	792.13	792.80	850.20	850.20	805.00
41	Stone other than granite broken to 5cm. size.	1 Cum.	339.83	339.83	320.00	339.83	330.00
42	Stone other than granite broken to 4 cm. size.	1 Cum.	353.65	353.65	353.65	350.00	345.00
43	Stone other than granite broken to 2 cm. size.	1 Cum.	369.84	369.84	345.00	369.84	365.00
44	Stone other than granite broken to 1cm. size.	1 Cum.	393.53	393.53	375.00	393.53	386.00
45	Stone boulder 15cm. & above size granite picked up and nullah boulders.	1 Cum.	195.42	195.42	160.00	195.00	192.00
46	Soiling stone boulder 15Cm. & above size picked up nullah boulders broken.	1 Cum.	209.34	209.34	209.34	209.34	198.00

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
47	Stone boulder 15cm. & above size other than granite or laterite picked up and nullah boulders.	1 Cum.	170.43	170.43	147.00	170.43	170.43
48	Soiling stone boulder 15Cm. & above size other than granite or laterite picked up nullah boulders broken.	1 Cum.	186.28	186.28	186.28	186.28	173.00
49	Soling stone boulders 10 Cm. size picked up other than granite.	1 Cum.	165.97	165.97	147.00	165.97	160.00
50	Hard broken soling stone other than granite (40mm. to 90mm.)	1 Cum.	258.84	258.84	240.00	240.00	256.00
51	I.R.C. Grade I (90mm to 45 mm.)	1 Cum.	804.94	804.94	804.94	804.94	798.00
52	I.R.C. Grade II (63mm. to 45mm.)	1 Cum.	885.66	888.78	906.85	906.85	906.85
53	I.R.C. Grade III (53mm. to 22.4mm.)	1 Cum.	947.90	951.00	990.88	990.88	974.00
54	Laterite soling stone 23Cm. size	1 Cum.	157.58	157.58	157.58	157.58	157.58
55	Laterite Stone rough dressed	1 Cum.	743.95	749.20	762.55	762.55	762.55
56	Bamboo mat or talai.	1 Sqm.	135.00	135.00	118.97	112.30	132.40
57	Bamboo 1ST class 7Cm. to 10Cm. dia & above 6m. long.	Each	88.00	88.00	88.00	69.00	69.00
58 a	Belongi Bomboo 2.51 Cm. to 4Cm. dia & above 5m. long.	Each	42.00	42.00	42.00	34.67	34.67
b	Belongi Bomboo above 4Cm. dia & up to 7Cm. dia & above 5m. long.	Each	51.00	51.00	51.00	41.00	41.00
59	Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	1 RM	51.87	51.87	51.87	51.87	51.87

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
60	Sal bullahs 150mm. to 200mm. mean dia up to 5.5m. long.	1 RM	124.26	124.26	124.26	124.26	124.26
61	Sal bullahs above 200mm. & up to 250mm. mean dia & up to 2.75m. long.	1Cum.	18069.7 5	18069.75	18069.75	18069.75	18069.75
62	Sal bullahs above 200mm. & up to 250mm. mean dia above 2.75m. long & up to 4.75m. long.	1Cum.	22474.7 5	22474.75	22474.75	22474.75	22474.75
63	Sal bullahs above 200mm. & up to 250mm. mean dia above 4.75m. long	1Cum.	26849.0 0	26849.00	26849.00	26849.00	26849.00
64	Sal bullahs above 250mm. & up to 380mm. mean dia & up to 2.75m. long	1Cum.	29736.5 0	29736.50	29736.50	29736.50	29736.50
65	Sal bullahs above 250mm. & up to 380mm. mean dia & above 2.75m. long up to 4.75m. long	1Cum.	36622.5 0	36622.50	36622.50	36622.50	36622.50
66	Sal bullahs above 250mm. & up to 380mm. mean dia & above 4.75m. long.	1Cum.	42542.6 7	42542.67	42542.67	42542.67	42542.67
67	Non-sal bullahs 75mm. mean dia of any length.	1 RM	30.81	30.81	30.81	30.81	30.81
68	Non-sal bullahs 100mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
69	Non-sal bullahs 125mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
70	Non-Sal bullahs 150mm. to 200mm. mean dia of any length.	1 RM	67.82	67.82	67.82	67.82	67.82
71	Non-Sal bullahs above 200mm. & up to 250mm. mean dia up to 2.5m. long.	1Cum.	18070.0 6	18070.06	18070.06	18070.06	18070.06

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
72	Non-Sal bullahs above 200mm. & up to 250mm. mean dia above 2.5m. long.	1Cum.	24643.3 3	24643.33	24643.33	24643.33	24643.33
73	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & up to 2.75m. long.	1Cum.	53035.7 5	53035.75	53035.75	53035.75	53035.75
74	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & above 2.75m. long.	1Cum.	71150.5 0	71150.50	71150.50	71150.50	71150.50
75	Seasoned Sal wood beam of cross sectional area not less than 150Sq.cm. & least lateral dimension 100mm. & above 2.75m. long.	1Cum.	65533.5 0	65533.50	65533.50	65533.50	65533.50
76	Seasoned Sal wood planks not more than 75mm. thick & not less than 200mm. width.	1Cum.	63839.0 0	63839.00	63839.00	63839.00	63839.00
77	Seasoned Piasal wood planks for shutters.	1Cum.	74369.6 7	74369.67	74369.67	74369.67	74369.67
78	Seasoned Teak wood planks for shutters.	1Cum.	114414. 94	114414.9 4	114414.9 4	114414.9 4	114414.9 4
79	Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	1Cum.	58374.7 9	58374.79	58374.79	58374.79	58374.79
80	Non-Sal reapers.	1Cum.	13268.4 5	13268.45	13268.45	13268.45	13268.45
81	Fire wood	1Qntl	726.99	746.99	713.98	713.98	340.00
82	1St class Raniganj or Mangalore pattern tiles.	100 Nos.	976.72	976.72	947.00	976.72	976.72
83	Ridges of Raniganj or Mangalore parttern tiles.	100 Nos.	1494.52	1494.52	1450.00	1494.52	1445.00
84	Flat tiles (14Cm. x14 Cm.x 1Cm.)	1000 Nos.	310.09	310.09	310.09	310.09	310.09

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
85	Flat tiles (15Cm x15Cmx 1.2 Cm)	1000 Nos.	339.65	339.65	334.00	339.65	339.65
86	Flat tiles (30Cm. x 15 Cm.x 2.5 Cm.)	1000 Nos.	1331.02	1331.02	1331.02	1331.02	1331.02
87	Flat tiles (30Cm. x 30 Cm.x 2.5 Cm.)	1000 Nos.	1556.57	1556.57	1556.57	1523.00	1556.57
88	Pan tiles	1000 Nos.	328.42	328.42	315.00	328.42	328.00
89	Nuria tiles (20Cm. to 25Cm.)	1000 Nos.	719.25	719.25	708.00	719.25	686.00
90	Nuria tiles (25Cm. to 30Cm.)	1000 Nos.	912.84	912.84	870.00	912.84	912.84
91	Ridge tiles	1000 Nos.	1034.59	1034.59	978.00	1034.59	1034.59
92	Marble Tiles of minimum 16 mm thick, dunguri Variety.						
a	Up to 0.10 Sqm.	1 Sqm.	550.99	550.99	550.99	550.99	550.99
b	Above 0.10 Sqm. to 0.40 Sqm.	1 Sqm.	677.95	677.95	677.95	677.95	677.95
c	Above 0.4 Sqm. to 1.00 Sqm.	1 Sqm.	766.45	766.45	766.45	766.45	766.45
93	Kota Tiles of minimum 16 mm thick						
a	Up to 0.10 Sqm.	1 Sqm.	416.91	416.91	416.91	416.91	416.91
b	Above 0.10 Sqm.	1 Sqm.	500.20	500.20	500.20	500.20	500.00
94	Khandolites (Up to 0.06 Sqm.)	1 Sqm.	324.37	324.37	324.37	324.37	320.00
95	Granite Tiles						
a	Up to 0.10 Sqm. (10mm thick)	1 Sqm.	1181.85	1181.85	1181.85	1181.85	1181.85
b	Above 0.10 Sqm						
i	Above 0.10 Sqm & up to 0.4 sqm (10mm. thick)	1 Sqm.	1328.07	1328.07	1328.07	1328.07	1328.07
ii	Above 0.40 sqm. (20mm thick)	1 Sqm.	2098.83	2098.83	2098.83	2098.83	2098.83
96	Kodappa Tiles of 10 mm thick						
a	Above 0.1 Sqm & Up to 0.40 Sqm.	1 Sqm.	310.43	310.43	310.43	310.00	310.43
b	Above 0.40 Sqm.	1 Sqm.	372.80	372.80	372.80	372.80	372.80

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
97	Dholpuri Stone Tiles.	1 Sqm.	408.94	408.94	408.94	408.94	408.94
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 conforming to IS 13753	1 Sqm.	402.25	405.20	405.20	405.20	405.20
b	30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming to IS 13755	1 Sqm.	450.08	440.00	450.08	450.00	445.00
c	Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B 1a) of following sizes.						
i.	Vitrified Tile 600mmx600mm Plain (Ivory)	1 Sqm.	651.08	651.08	651.08	650.00	650.00
ii.	Vitrified Tile 600mmx600mm Coloured / Printed series (Homogeneous)	1 Sqm.	695.76	695.76	695.76	695.76	692.00
d	Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm conforming to IS 4457 of size 300mmx300mm	1 Sqm.	578.35	578.35	578.35	578.35	578.35
99	Chequered Tiles.	1 Sqm.	254.75	254.75	254.75	254.75	254.75
100	Terrazo Tiles.						
a	With grey cement.	1 Sqm.	256.07	256.07	256.07	256.07	256.07
b	With white cement	1 Sqm.	308.96	308.96	308.96	308.96	308.96
101	Red oxide Primer	1 Litre	142.70	142.70	142.70	142.00	142.70
102	Wood Primer	1 Litre	155.08	155.08	155.08	155.08	155.08
103	Wood Shine Paint	1 Litre	176.27	176.27	176.27	176.27	176.27

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur	
104	Plastic Emulsion paint	1 Litre	249.34	249.34	243.00	249.34	249.34	
105	Enamel paint	1 Litre	205.34	205.34	205.34	205.34	205.34	
106	Distemper	1 Kg.	70.10	70.10	70.10	70.10	70.10	
107	Cement paint	1 Kg.	47.83	47.83	47.83	47.83	47.83	
108	Red oxide powder	1 Kg.	123.94	123.94	123.94	123.94	123.94	
109	French polish	1 Litre	172.90	172.90	172.90	172.90	172.90	
110	Varnish	1 Litre	169.85	169.85	169.85	169.85	169.85	
111	Plaster of paris	1 Kg.	17.23	17.23	17.23	17.23	16.00	
112	Coal Tar	1 Kg.	49.21	49.21	49.21	48.00	49.21	
113	G.C.I. Sheet							
a	0.30mm thick	1 Sqm.	316.46	317.50	317.50	317.50	317.50	
b	0.40mm thick	1 Sqm.	333.12	333.12	333.12	333.12	333.12	
114	A.C. Sheet	1 Sqm.	209.10	209.10	209.10	209.10	209.10	
115	A.C. ridges	1 pair	202.67	207.69	207.69	207.69	207.69	
116	6mm. Thick Plain A.C. Sheet	1 Sqm	246.55	246.55	246.55	240.00	246.55	
117	Tar Paper	1 Sqm	24.76	24.76	24.76	24.76	24.76	
118	Putty (Wood)	1 Kg.	31.67	31.67	31.67	31.67	31.67	
119	Putty (Iron)	1 Kg.	101.83	101.83	101.83	100.00	101.83	
120	Wire Nails	1 Kg.	79.00	79.56	79.56	79.56	79.56	
121	M.S. Angle	1 Qntl.	Rate as fixed by SAIL					
122	M.S. Channel	1 Qntl.						
123	Bolt, Nut & Washers	1 Kg.	91.46	91.46	91.46	91.46	91.46	
124	Holding down bolts minimum 60 Cm. long with 15Cm. x 15 Cm. x 6mm. size washer plate	1 Kg.	89.58	89.58	89.58	89.58	89.58	
125	Binding Wire.	1 Kg.	90.10	90.10	90.10	90.10	90.00	
126	Coir String	1 Kg.	61.90	61.90	61.90	61.90	61.90	
127	Empty Cement bags (HDPE) by lot & not shorted out	100 nos	400.00	400.00	400.00	400.00	400.00	
a								
b								
c								
d	Empty Bitumen Emulsion Drum	Each	255.33	255.33	250.00	255.33	250.00	

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur	
128	Straw in Bundle	100 nos	275.84	275.84	273.00	275.84	275.84	
129	Marble Chips.	1qntl	673.93	673.93	673.93	673.93	673.93	
130	Marble Powder	1qntl	394.20	390.00	394.20	394.20	394.20	
131	Cement	1qntl	Average factory price of three manufactures of cement inside the State.					
a	33 Grade	1qntl						
b	43 Grade	1qntl						
c	53 Grade	1qntl						
132	White Cement.	1qntl	2017.18	2017.18	2017.18	2000.00	2000.00	
133	Steel	1qntl	Rate as fixed by SAIL					
a	Mild Steel	1qntl						
b	HYSD (Fe-415) / (Fe500)	1qntl						
134	“Z” type Steel Sheet Piles	1qntl	6118.65	6118.65	6118.65	6118.65	6118.65	
135	Bentonite powder	1qntl	337.87	337.87	337.87	337.87	337.87	
136	Oxidized mild steel fittings (I.S.I.)							
	Butt hinges (I.S.I.)							
a	50x37x1.50mm	Each	12.10	12.10	12.10	12.10	12.10	
b	75x47x0.70mm	Each	15.27	15.27	15.27	15.00	15.27	
c	100x58x1.90mm	Each	18.40	18.40	18.40	18.40	18.40	
d	125x65x2.12mm	Each	24.84	24.84	24.84	24.84	24.84	
137	M.S. aldrop (I.S.I.)							
a	250x16mm	Each	98.30	98.30	98.30	98.30	98.30	
b	300x16mm	Each	104.77	104.77	104.77	104.77	104.77	
138	M.S. handle (I.S.I.)							
a	100mm	Each	17.25	17.25	17.25	17.25	17.25	
b	125mm	Each	20.87	20.87	20.87	20.87	20.87	
c	150mm	Each	27.10	27.10	27.10	27.10	27.10	
139	M.S. tower bolt (I.S.I.)							
a	100x10mm	Each	21.78	21.78	21.78	21.78	21.78	
b	150x10mm	Each	30.09	30.00	30.09	30.09	30.09	
c	200x10mm	Each	40.20	41.10	41.10	41.10	41.10	
140	M/S. Screw (I.S.I.)							
a	12x3mm	100 pcs	34.40	34.40	34.40	34.40	34.40	
b	12x4mm	100 pcs	38.33	38.33	38.33	38.33	38.00	
c	20x4mm	100 pcs	39.84	39.84	39.84	39.84	39.84	

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
d	20x5mm	100 pcs	40.88	40.88	40.88	40.88	40.88
e	25x4mm	100 pcs	45.23	45.23	45.23	45.23	45.23
f	25x5mm	100 pcs	51.25	51.25	51.25	51.25	51.25
g	30x4mm	100 pcs	53.64	53.64	53.64	53.64	53.64
h	30x5mm	100 pcs	55.73	55.73	55.73	55.73	55.73
i	30x6mm	100 pcs	59.43	59.43	59.43	59.43	59.43
j	35x6mm	100 pcs	62.88	62.88	62.88	62.88	62.88
k	35x7mm	100 pcs	64.77	64.77	64.77	64.77	64.77
l	35x8mm	100 pcs	76.22	76.22	76.22	76.22	76.22
m	50x7mm	100 pcs	83.04	83.04	83.04	83.04	83.04
n	50x8mm	100 pcs	87.50	87.50	87.50	87.50	87.50
141	Steel window stay bar (I.S.I.)						
a	200mm	Each	26.66	26.66	26.66	26.66	26.66
b	250mm	Each	32.30	32.30	32.30	32.30	32.30
c	300mm	Each	38.29	38.29	38.29	38.29	38.29
142	Steel window handle including Nut, bolt & washer (I.S.I.)						
a	100mm	Each	22.49	22.49	22.49	22.49	22.00
b	150mm	Each	28.25	28.25	28.25	28.25	28.25
143	Welded mesh						
a	25mmx25mmx11 gauge	Sqm	201.41	196.00	194.20	201.41	201.41
b	25mmx25mmx13 gauge	Sqm	188.26	188.26	188.26	185.00	188.26
c	50mmx25mmx11 gauge	Sqm	177.70	183.30	182.10	183.30	183.30
d	50mmx25mmx13 gauge	Sqm	173.81	173.81	173.81	173.81	173.81
144	G.I. "L" & "J" hook	Kg	77.04	77.04	77.04	77.04	77.04
145	W.I clamp	Kg	80.26	80.26	80.26	80.26	80.26
146	Aluminium fittings (I.S.I.)						
	Butt hinges (I.S.I.)						
a	125mmx75mmx4mm	Each	68.98	70.00	70.80	70.00	70.00
b	125mmx63mmx4mm	Each	59.07	60.26	60.26	60.00	60.26
c	100mmx75mmx4mm	Each	54.30	56.09	56.09	56.09	56.00
d	100mmx63mmx4mm	Each	55.67	55.67	55.67	55.67	55.00
e	75mmx63mmx4mm	Each	39.99	39.99	39.99	39.99	39.99
f	50mmx35mmx3.2mm	Each	18.94	18.94	18.94	18.94	18.94

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
147	Aluminium handle (I.S.I.)						
a	150mm with 175mm x 40mm flat	Each	35.15	35.15	35.15	35.15	35.00
b	125mm with 175mm x 40mm flat	Each	35.03	35.03	35.03	35.03	35.00
c	100mm with 150mm x 33mm flat	Each	31.31	31.31	31.31	31.31	30.00
d	75mm with 118mm x 33mm flat	Each	30.86	30.00	30.86	30.86	30.00
148	Aluminium tower bolt (Barrel type) (I.S.I.)						
a	300mm x 10mm	Each	72.31	72.31	72.31	72.31	72.00
b	250mm 10mm	Each	63.30	65.51	65.51	65.51	65.51
c	200mm x 10mm	Each	59.46	59.46	59.46	59.46	59.46
d	150mm x 10mm	Each	54.26	54.26	54.26	54.26	54.26
e	100mm x 10mm	Each	43.78	45.17	45.17	45.17	45.17
149	Sliding door bolt (Aldrop) (I.S.I.)						
a	300mm x 16mm	Each	232.98	232.98	232.98	232.98	232.98
b	250mm x 16mm	Each	223.68	223.68	223.68	223.68	223.68
150	Brass fittings (I.S.I.) Butt hinges (light/Ordinary) (I.S.I.)						
a	125mm x 70mm x 4mm	Each	74.22	74.22	74.22	74.22	74.22
b	100mm x 70mm x 4mm	Each	62.00	62.63	62.63	62.63	62.00
c	75mm x 40mm x 2.5mm	Each	40.64	40.64	40.64	40.00	40.64
d	50mm x 40mm x 2.5mm	Each	20.62	20.62	20.62	20.00	20.62
151	Brass But hinges (Heavy type) (I.S.I.)						
a	125mm x 85mm x 5.5mm (0.07 kg)	Each	223.43	223.43	223.43	220.00	220.00
b	100mmx85mm5.5mm (0.056 kg)	Each	207.78	207.78	207.78	207.78	207.78
c	75mmx65mmx4mm (0.02 kg)	Each	91.74	91.74	91.74	91.74	90.00
152	Brass tower bolt (Barrel type) (I.S.I.)						
a	250mm x 10-mm	Each	227.61	227.61	227.61	227.61	227.61

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
b	200mm x 10mm	Each	198.24	198.24	198.24	198.24	198.24
c	150mm x 10mm	Each	141.01	141.01	141.01	141.01	141.01
d	100mm x 10mm	Each	108.28	108.28	108.28	108.28	108.28
153	Brass Screws (I.S.I.)						
a	50mm	100 Nos	188.50	190.61	185.10	190.61	190.61
b	40mm	100 Nos	176.67	176.67	166.10	165.00	176.67
c	30mm	100 Nos	153.66	153.66	153.66	150.00	153.66
d	25mm	100 Nos	138.78	138.78	138.78	138.78	138.78
e	20mm	100 Nos	94.00	94.59	94.00	94.59	94.59
154	Chromium plated fittings (Brass) (I.S.I.) Handle (I.S.I.)						
a	125mm with 175 x 32mm plate	Each	166.26	166.26	166.26	166.26	166.26
b	100mm with 150 x 25mm plate	Each	136.00	137.57	137.57	137.57	137.57
c	75mm with 125 x 25mm plate	Each	122.75	124.76	124.76	124.76	124.76
155	Wall cement primer (I.S.I.)						
a	Oil bound	1 ltr	125.50	125.50	125.50	125.50	125.50
b	Water bound	1 ltr	159.03	159.03	159.03	159.03	159.03
156	Aluminium paint (I.S.I.)	1 ltr	167.09	167.09	167.09	167.09	165.00
157	Weather Coat (I.S.I.)	1 ltr	194.79	194.79	194.79	194.79	194.79
158	Adhesive (I.S.I.)	1 Kg	217.40	217.40	216.80	217.40	217.40
159	Bitumenous expansion joint board (I.S.I.)						
a	12mm thick	Sqm	739.96	739.96	739.96	739.96	739.96
b	16mm thick	Sqm	1021.34	1021.34	1021.34	1021.34	1021.34
c	25mm thick	Sqm	1314.45	1314.45	1314.45	1300.00	1314.45
160	Barbed wire (I.S.I.)	Kg	76.63	76.63	76.63	75.00	76.63
161	Glass plain (I.S.I.)						
a	3mm	Sqm	365.19	362.00	365.19	365.19	360.00
b	4mm	Sqm	437.36	437.36	425.10	437.36	437.36
c	5mm	Sqm	579.51	579.51	579.51	579.51	579.51
d	6mm	Sqm	672.91	672.91	672.91	672.91	672.91
e	8mm	Sqm	980.32	980.32	980.32	980.32	980.00
f	10mm	Sqm	1214.78	1232.34	1225.60	1232.34	1220.00
g	12mm	Sqm	1484.03	1480.00	1468.00	1484.03	1484.03

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
162	Glass pin headed (I.S.I.)						
a	4mm	Sqm	344.41	344.41	344.41	344.41	340.00
b	5mm	Sqm	417.61	417.61	417.61	417.61	417.61
163	Black glass (I.S.I.)	Sqm					
a	4mm	Sqm	608.40	608.40	608.40	608.40	608.40
b	5mm	Sqm	705.01	705.01	705.01	705.01	690.00
c	6mm	Sqm	843.50	843.50	833.00	843.50	830.00
d	8mm	Sqm	1286.47	1286.47	1286.47	1286.47	1286.47
e	12mm	Sqm	1975.67	1979.71	1979.71	1979.71	1979.71
164	Frosted glass (I.S.I.)						
a	4mm	Sqm	553.21	553.21	550.50	550.00	553.21
b	5mm	Sqm	596.64	596.64	588.20	596.64	592.00
165	Wire glass – 6 mm (I.S.I.)	Sqm	700.29	700.29	686.20	690.00	700.00
166	Sun-control film (I.S.I.)						
a	Reflective	Sqm	628.82	628.82	611.90	628.82	620.00
b	Non-reflective	Sqm	443.39	443.39	437.50	443.39	443.39
167	Prelaminated particle board (standard type) (I.S.I.)						
a.	9mm	Sqm	634.45	634.45	633.80	634.45	630.00
b	12mm	Sqm	710.82	710.82	710.82	710.82	700.00
c	18mm	Sqm	782.53	782.53	782.53	782.53	782.53
d	25mm	Sqm	959.84	959.84	956.20	959.84	959.84
168	BWR ply wood (I.S.I.)						
a	3mm	Sqm	321.52	321.52	321.52	321.52	320.00
b	4mm	Sqm	363.93	363.93	359.00	363.93	363.93
c	6mm	Sqm	513.61	513.61	513.61	513.61	510.00
d	9mm	Sqm	668.32	668.32	639.10	668.32	668.32
e	12mm	Sqm	839.98	839.98	839.98	839.98	839.98
f	16mm	Sqm	994.34	987.00	994.34	990.00	994.34
g	19mm	Sqm	1146.91	1146.91	1146.91	1146.91	1146.91
h	25mm	Sqm	1598.27	1590.00	1607.92	1607.92	1607.92
169	BWR Block Board (I.S.I.)						
a	16mm	Sqm	911.00	911.00	902.50	911.00	900.00
b	19mm	Sqm	1001.28	995.00	1001.28	1000.00	1000.00
c	25mm	Sqm	1220.91	1220.91	1165.50	1220.91	1190.00
d	32mm	Sqm	1458.68	1458.68	1443.00	1458.68	1395.00

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
170	Vinyl Flooring (I.S.I.)						
(A)	Homogeneous Range (I.S.I.)						
i	PVC (MF) Classic roll-1.00mm thick	Sqm	300.37	300.37	300.37	300.37	300.00
ii	PVC (MF) classic tile-1.00mm thick	Sqm	345.83	345.83	345.30	345.83	345.83
iii	PVC (MF) impress roll-1.50mm thick	Sqm	397.41	394.00	397.41	397.41	397.41
iv	PVC (MF) impress tile-1.50mm thick	Sqm	460.00	465.30	465.30	465.30	465.30
v	PVC (MF) super roll-2.00mm thick	Sqm	512.40	512.00	516.10	516.10	516.10
vi	PVC (MF) super tile -2.00mm thick	Sqm	598.40	597.00	598.40	598.40	598.40
(B)	Heterogeneous Range (I.S.I.)						
i	PVC (MF) Hetro roll-2.00mm thick	Sqm	555.82	555.82	555.82	555.82	550.00
ii	PVC (MF) hetro tile-2.00mm thick	Sqm	619.50	619.50	619.50	610.00	612.00
171	Aluminium extruded section	Kg	297.97	297.97	297.97	297.97	297.97
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. 1 RM)	Kg					
a	Outer frames Po-527	1 RM	381.80	381.80	381.80	381.80	380.00
b	Intermediate mullion Po-528	1 RM	409.19	409.19	407.00	409.19	409.19
c	Shutter frame Po-153	1 RM	322.82	322.82	322.82	322.82	322.82
d	Fixed bedding Po-179	1 RM	168.92	168.92	168.92	168.92	168.92
e	Sliding shutter Po-254	1 RM	196.43	196.43	196.43	196.43	190.00
f	Outer frames(side / top) Po-255	1 RM	238.33	238.33	238.33	238.33	238.33
g	Outer frames(bottom) Po-256	1 RM	167.90	167.90	167.90	167.90	167.90
h	Sliding track (SS) Po-257	1 RM	617.97	617.97	617.97	617.97	617.97

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
i	Sashbar Po-101	1 RM	593.67	593.67	593.67	593.67	593.67
j	Sashbar at shutter Po-107	1 RM	297.62	297.62	297.62	297.62	297.62
k	Louvered horizontal (Top/Bottom) Po-193A	1 RM	167.84	167.84	167.84	167.84	167.84
l	33 x 57 Box Section	1 RM	383.61	383.61	383.61	383.61	383.61
m	100x50mm Box Section	1 RM	568.47	568.47	568.47	568.47	568.47
n	Small Z Section	1 RM	280.52	280.52	280.52	280.52	280.52
o	Extended Z Section	1 RM	379.18	379.18	379.18	379.18	379.18
p	Cover Profile	1 RM	131.75	131.75	130.00	130.00	130.00
	Accessories						
a	sliding outer frame assembly / pc	Each	300.27	300.27	300.27	300.27	300.27
b	sliding shutter /pc	Each	357.75	357.75	357.75	357.75	357.75
c	Sashbar	Each	20.48	20.48	20.48	20.48	20.48
d	Wall fixing with polymide anchor at every 600mm c/c of outer frame	Each	33.73	33.73	33.73	33.73	33.73
e	Outer frame corner	Each	52.03	52.03	52.03	52.03	50.00
f	Top hung shutter / pc	Each	401.96	401.96	401.96	401.96	400.00
g	Fixed mullion	Each	63.06	63.06	63.06	63.06	60.00
h	Fixed glazing	Each	120.57	120.57	120.57	120.57	120.00
i	Louvered blade	Each	34.65	34.65	34.65	34.65	34.65
j	Side hung door / pc	Each	465.87	465.87	465.87	465.87	465.87
k	Door lock / pc	Each	423.88	423.88	423.88	423.88	423.88
l	Swing door shutter /pc	Each	231.98	231.98	231.98	231.98	231.98
m	Floor Spring (Godrej Make)	Each	3579.24	3579.24	3579.24	3560.00	3579.24
	Gasket						
a	For Shutter Po-153	1 RM	47.79	47.79	47.79	47.79	47.79
b	For beading Po-179	1 RM	63.27	63.27	63.27	63.27	63.27
c	For Sashbar Po-101	1 RM	130.21	130.21	130.21	130.21	130.00

Sl. No.	Name of items	Unit	Angul	Dhenkanal	Keonjhar	Sundergarh	Sambalpur
173	Rate of 60 micron powder coating (including labour charges and material for powder coating) for aluminium section.	Kg of Aluminium	31.23	31.23	31.23	30.00	31.23
174	12.5 mm thick gypsum board of size 6' x 4'	One Piece	400.64	398.00	400.64	400.64	400.00
175	Waste Plastic duly cleaned and shredded conforming to the size passing 2.36mm sieve and retained on 600 micron seive and conforming to requirement if IRC:SP:98-2013.	Per Kg	41.10	41.10	41.10	41.10	41.10

Note:

When source / quarry of a material considered outside the district, the rate of the source district must be adopted with adding transportation charges.

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
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	4231.96	4231.96	4160.46	4231.96	4231.96
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	4113.87	4070.00	3634.20	4113.87	4113.87
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	6105.67	6105.67	6105.67	6000.00	5980.00
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	5483.50	5483.50	5219.38	5483.50	5483.50
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	5142.55	5142.55	5142.55	5142.55	5142.55
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	4554.88	4554.88	4554.88	4554.88	4554.88
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	16.99	16.99	16.99	16.99	16.99

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
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	29.50	29.89	28.13	29.89	29.89
b.	400mm x 150mm x 200mm size	Each	24.32	24.32	24.32	24.32	24.32
c.	400mm x 100mm x 150mm size	Each	16.40	17.13	17.13	17.13	17.13
d.	300mm x 200mm x 150mm size	Each	18.30	19.21	19.21	19.21	19.21
e.	300mm x 150mm x 150mm size	Each	14.90	15.16	15.16	15.16	15.16
f.	300mm x 100mm x 150mm size	Each	13.89	13.89	13.89	13.89	13.89
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	26.84	26.84	24.95	25.00	25.00
b.	400mm x 150mm x 200mm size	Each	19.15	20.30	20.30	20.30	20.30
c.	400mm x 100mm x 200mm size	Each	16.50	16.50	16.50	16.50	15.00
d.	300mm x 200mm x 150mm size	Each	17.06	17.06	17.06	17.06	17.06
e.	300mm x 150mm x 150mm size	Each	13.30	13.99	13.99	13.99	13.00
f.	300mm x 100mm x 150mm size	Each	11.37	11.37	11.37	11.37	11.37
10	K.B. bricks Khoa 4 Cm.size	1 Cum	359.00	388.26	388.26	370.00	380.00
11	Clamp burnt brick Khoa 4 cm. size.	1 Cum	292.60	330.12	330.12	310.00	314.00
12	Surki of clamp burnt bricks.	1 Cum	447.00	473.81	458.69	473.81	473.81

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
13	Surki of Kiln burnt bricks.	1 Cum	493.85	493.85	470.71	493.85	493.85
14	Screen washed gravel for concrete (12mm. to 20mm.)	1 Cum	155.50	183.35	183.35	183.35	183.35
15	Gravel or moorum	1 Cum	57.30	65.88	62.08	60.00	65.00
16	Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1 Cum	136.33	121.00	108.94	136.33	136.33
17	River single or Bajri (12mm. to 20mm.)	1 Cum	118.50	131.14	127.28	115.00	115.00
18	Screened and washed sharp sand for mortar	1 Cum	63.50	74.00	67.93	76.88	76.88
19	Sand for filling and road blinding	1 Cum	55.45	66.00	60.30	71.94	71.94
20	Clay mortar for masonry work with admixture of sand.	1 Cum	63.60	65.65	65.65	65.00	65.65
21	Stone lime unslaked.	1 Kg.	21.88	21.88	21.88	21.88	21.88
22	Ghooting lime unslaked.	1 Kg.	26.94	26.94	26.94	26.94	26.94
23	Shell lime unslaked.	1 Kg.	24.19	24.19	24.19	24.19	24.19
24 a	Granite broken stone of size not less than 0.0025 Cum. Stacked	1 Cum.	291.96	291.96	276.83	290.00	290.00
b	Granite stone of size not less than 0.0025 Cum. picked up.	1 Cum.	272.26	265.00	272.26	272.26	272.26
25	Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	1 Cum.	263.50	263.50	248.95	263.50	263.50
26	Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	1 Cum.	236.25	236.25	217.74	236.25	236.25
27	Stone other than granite quarried, broken and staked above 0.003 Cum	1 Cum.	242.43	242.43	222.23	242.43	242.43

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
28	Stone other than granite picked up, broken and staked above 0.003 Cum	1 Cum.	233.93	233.93	214.74	233.93	233.93
29	Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve.						
a	Crusher broken.	1 Cum.	879.77	879.77	856.77	879.77	879.77
b	Hand broken.	1 Cum.	700.88	700.88	668.57	700.88	700.88
30	Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve)						
a	Crusher broken.	1 Cum.	899.33	899.33	899.33	899.33	899.33
b	Hand broken.	1 Cum.	710.56	710.56	668.86	710.56	710.56
31	Granite Stone broken metal 40mm. size						
a	Crusher broken.	1 Cum.	995.25	995.25	948.18	995.25	995.25
b	Hand broken.	1 Cum.	787.36	787.36	746.81	787.36	787.36
32	Granite Stone broken metal 26.5mm. size (Passing through 45mm sieve & retained on 22.4mm sieve)						
a	Crusher broken.	1 Cum.	1097.74	1097.74	1039.04	1097.74	1097.74
b	Hand broken.	1 Cum.	814.94	814.94	814.94	814.94	814.94
33	Granite Stone broken metal 25mm. size (Passing through 40mm sieve & retained on 20mm sieve)						
a	Crusher broken.	1 Cum.	1135.74	1116.00	1024.24	1130.00	1135.74
b	Hand broken.	1 Cum.	833.51	805.00	833.51	833.51	833.51

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
34	Granite Stone broken metal 22.4mm. size (Passing through 26.5mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1123.78	1111.00	1123.78	1123.78	1123.78
b	Hand broken.	1 Cum.	914.66	885.00	914.66	914.66	914.66
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.	1382.29	1382.29	1341.54	1382.29	1380.00
b	Hand broken.	1 Cum.	1077.82	1077.82	1077.82	1077.82	1077.82
36	Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1370.27	1370.27	1370.27	1370.27	1370.27
b	Hand broken.	1 Cum.	1090.00	1094.45	1094.45	1094.45	1090.00
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.	1396.62	1396.62	1396.62	1396.62	1380.00
b	Hand broken.	1 Cum.	1085.19	1085.19	1052.72	1085.19	1085.19
38	Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve)						
a	Crusher broken.	1 Cum.	1395.00	1428.13	1420.35	1400.00	1380.00
b	Hand broken.	1 Cum.	1121.38	1121.38	1102.02	1100.00	1090.00

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
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.	1390.00	1418.67	1409.65	1400.00	1418.67
b	Hand broken.	1 Cum.	1109.77	1109.77	1108.24	1100.00	1095.00
(A)	Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	1 Cum.	957.46	957.46	944.24	957.46	957.46
(B)	Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	1 Cum.	770.00	805.85	805.85	800.00	805.85
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.	800.00	850.20	850.20	850.20	850.20
41	Stone other than granite broken to 5cm. size.	1 Cum.	339.83	339.83	327.96	324.00	334.00
42	Stone other than granite broken to 4 cm. size.	1 Cum.	353.65	353.65	330.71	340.00	353.65
43	Stone other than granite broken to 2 cm. size.	1 Cum.	369.84	369.84	350.57	350.00	355.00
44	Stone other than granite broken to 1cm. size.	1 Cum.	393.53	393.53	362.13	390.00	390.00
45	Stone boulder 15cm. & above size granite picked up and nullah boulders.	1 Cum.	195.00	195.42	193.10	190.00	195.00
46	Soiling stone boulder 15Cm. & above size picked up nullah boulders broken.	1 Cum.	209.34	209.34	198.45	209.34	209.34

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
47	Stone boulder 15cm. & above size other than granite or laterite picked up and nullah boulders.	1 Cum.	170.43	169.00	154.92	170.43	170.43
48	Soiling stone boulder 15Cm. & above size other than granite or laterite picked up nullah boulders broken.	1 Cum.	186.28	185.00	171.24	186.28	186.28
49	Soling stone boulders 10 Cm. size picked up other than granite.	1 Cum.	163.00	165.97	154.32	165.97	165.97
50	Hard broken soling stone other than granite (40mm. to 90mm.)	1 Cum.	254.00	258.84	248.97	240.00	245.00
51	I.R.C. Grade I (90mm to 45 mm.)	1 Cum.	800.00	804.94	793.05	804.94	804.94
52	I.R.C. Grade II (63mm. to 45mm.)	1 Cum.	906.85	906.85	889.29	906.85	906.85
53	I.R.C. Grade III (53mm. to 22.4mm.)	1 Cum.	990.88	990.88	946.73	990.88	990.88
54	Laterite soling stone 23Cm. size	1 Cum.	157.58	153.00	139.18	157.58	157.58
55	Laterite Stone rough dressed	1 Cum.	762.55	762.55	762.55	762.55	762.55
56	Bamboo mat or talai.	1 Sqm.	132.40	132.40	132.40	121.41	121.41
57	Bamboo 1ST class 7Cm. to 10Cm. dia & above 6m. long.	Each	69.00	69.00	69.00	80.00	80.00
58 a	Belongi Bomboo 2.51 Cm. to 4Cm. dia & above 5m. long.	Each	34.67	34.67	34.67	34.67	34.67
b	Belongi Bomboo above 4Cm. dia & up to 7Cm. dia & above 5m. long.	Each	41.00	41.00	41.00	42.50	42.50
59	Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	1 RM	51.87	51.87	51.87	51.87	51.87

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
60	Sal bullahs 150mm. to 200mm. mean dia up to 5.5m. long.	1 RM	124.26	124.26	124.26	124.26	124.26
61	Sal bullahs above 200mm. & up to 250mm. mean dia & up to 2.75m. long.	1Cum.	18069.75	18069.75	18069.75	18069.75	18069.75
62	Sal bullahs above 200mm. & up to 250mm. mean dia above 2.75m. long & up to 4.75m. long.	1Cum.	22474.75	22474.75	22474.75	22474.75	22474.75
63	Sal bullahs above 200mm. & up to 250mm. mean dia above 4.75m. long	1Cum.	26849.00	26849.00	26849.00	26849.00	26849.00
64	Sal bullahs above 250mm. & up to 380mm. mean dia & up to 2.75m. long	1Cum.	29736.50	29736.50	29736.50	29736.50	29736.50
65	Sal bullahs above 250mm. & up to 380mm. mean dia & above 2.75m. long up to 4.75m. long	1Cum.	36622.50	36622.50	36622.50	36622.50	36622.50
66	Sal bullahs above 250mm. & up to 380mm. mean dia & above 4.75m. long.	1Cum.	42542.67	42542.67	42542.67	42542.67	42542.67
67	Non-sal bullahs 75mm. mean dia of any length.	1 RM	30.81	30.81	30.81	30.81	30.81
68	Non-sal bullahs 100mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
69	Non-sal bullahs 125mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
70	Non-Sal bullahs 150mm. to 200mm. mean dia of any length.	1 RM	67.82	67.82	67.82	67.82	67.82
71	Non-Sal bullahs above 200mm. & up to 250mm. mean dia up to 2.5m. long.	1Cum.	18070.06	18070.06	18070.06	18070.06	18070.06

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
72	Non-Sal bullahs above 200mm. & up to 250mm. mean dia above 2.5m. long.	1Cum.	24643.33	24643.33	24643.33	24643.33	24643.33
73	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & up to 2.75m. long.	1Cum.	53035.75	53035.75	53035.75	53035.75	53035.75
74	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & above 2.75m. long.	1Cum.	71150.50	71150.50	71150.50	71150.50	71150.50
75	Seasoned Sal wood beam of cross sectional area not less than 150Sq.cm. & least lateral dimension 100mm. & above 2.75m. long.	1Cum.	65533.50	65533.50	65533.50	65533.50	65533.50
76	Seasoned Sal wood planks not more than 75mm. thick & not less than 200mm. width.	1Cum.	63839.00	63839.00	63839.00	63839.00	63839.00
77	Seasoned Piasal wood planks for shutters.	1Cum.	74369.67	74369.67	74369.67	74369.67	74369.67
78	Seasoned Teak wood planks for shutters.	1Cum.	114414.9 4	114414.9 4	114414.9 4	114414.9 4	114414.9 4
79	Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	1Cum.	58374.79	58374.79	58374.79	58374.79	58374.79
80	Non-Sal reapers.	1Cum.	13268.45	13268.45	13268.45	13268.45	13268.45
81	Fire wood	1Qntl	450.00	528.00	479.80	713.98	713.98
82	1St class Raniganj or Mangalore pattern tiles.	100 Nos.	920.00	976.72	923.40	940.00	940.00
83	Ridges of Raniganj or Mangalore parttern tiles.	100 Nos.	1410.00	1494.52	1418.65	1494.52	1425.00
84	Flat tiles (14Cm. x14 Cm.x 1Cm.)	1000 Nos.	305.00	291.00	264.70	300.00	310.00

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
85	Flat tiles (15Cm x15Cmx 1.2 Cm)	1000 Nos.	305.00	339.65	319.50	320.00	339.65
86	Flat tiles (30Cm. x 15 Cm.x 2.5 Cm.)	1000 Nos.	1315.00	1331.02	1331.02	1320.00	1330.00
87	Flat tiles (30Cm. x 30 Cm.x 2.5 Cm.)	1000 Nos.	1556.57	1556.57	1451.60	1556.57	1556.57
88	Pan tiles	1000 Nos.	315.00	328.42	312.70	310.00	310.00
89	Nuria tiles (20Cm. to 25Cm.)	1000 Nos.	719.25	714.00	648.70	719.25	719.25
90	Nuria tiles (25Cm. to 30Cm.)	1000 Nos.	845.75	846.00	912.84	912.84	912.84
91	Ridge tiles	1000 Nos.	975.00	1029.00	1034.59	1034.59	1034.59
92	Marble Tiles of minimum 16 mm thick, dunguri Variety.						
a	Up to 0.10 Sqm.	1 Sqm.	550.99	550.99	543.30	550.99	550.99
b	Above 0.10 Sqm. to 0.40 Sqm.	1 Sqm.	677.95	677.95	662.60	670.00	677.95
c	Above 0.4 Sqm. to 1.00 Sqm.	1 Sqm.	766.45	766.45	752.40	766.45	766.45
93	Kota Tiles of minimum 16 mm thick						
a	Up to 0.10 Sqm.	1 Sqm.	416.91	416.91	414.20	412.00	416.91
b	Above 0.10 Sqm.	1 Sqm.	495.00	500.20	500.20	500.00	500.20
94	Khandolites (Up to 0.06 Sqm.)	1 Sqm.	324.37	324.37	324.37	320.00	324.37
95	Granite Tiles						
a	Up to 0.10 Sqm. (10mm thick)	1 Sqm.	1181.85	1181.85	1181.85	1181.85	1181.85
b	Above 0.10 Sqm						
i	Above 0.10 Sqm & up to 0.4 sqm (10mm. thick)	1 Sqm.	1328.07	1328.07	1328.07	1328.07	1328.07
ii	Above 0.40 sqm. (20mm thick)	1 Sqm.	2098.83	2098.83	2098.83	2098.83	2098.83
96	Kodappa Tiles of 10 mm thick						
a	Above 0.1 Sqm & Up to 0.40 Sqm.	1 Sqm.	310.43	310.43	306.76	309.00	310.00
b	Above 0.40 Sqm.	1 Sqm.	372.80	372.80	364.32	370.00	372.80

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
97	Dholpuri Stone Tiles.	1 Sqm.	408.94	408.94	405.60	408.94	408.94
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 conforming to IS 13753	1 Sqm.	405.20	405.20	405.20	405.20	405.20
b	30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming to IS 13755	1 Sqm.	450.08	450.08	450.08	450.08	450.08
c	Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B la) of following sizes.	1 Sqm.	885.00	885.00	885.00	885.00	885.00
i.	Vitrified Tile 600mmx600mm Plain (Ivory)	1 Sqm.	651.08	651.08	651.08	651.08	651.08
ii.	Vitrified Tile 600mmx600mm Coloured / Printed series (Homogeneous)	1 Sqm.	695.76	695.76	686.51	695.76	695.76
d	Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm conforming to IS 4457 of size 300mmx300mm	1 Sqm.	578.35	578.35	578.35	578.35	578.35
99	Chequered Tiles.	1 Sqm.	254.75	237.00	215.30	254.75	254.75
100	Terrazo Tiles.						
a	With grey cement.	1 Sqm.	256.07	256.07	246.21	256.07	256.07
b	With white cement	1 Sqm.	308.96	308.96	308.96	308.96	308.96
101	Red oxide Primer	1 Litre	142.70	142.00	142.70	142.70	142.70
102	Wood Primer	1 Litre	155.08	155.08	155.08	155.08	155.08
103	Wood Shine Paint	1 Litre	176.27	168.00	176.27	176.27	176.27

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur	
104	Plastic Emulsion paint	1 Litre	249.34	249.34	245.46	249.34	249.34	
105	Enamel paint	1 Litre	204.00	205.34	205.34	205.34	205.34	
106	Distemper	1 Kg.	70.10	70.10	70.10	70.10	70.10	
107	Cement paint	1 Kg.	47.83	47.83	47.51	47.83	47.83	
108	Red oxide powder	1 Kg.	123.94	123.94	123.94	123.94	123.94	
109	French polish	1 Litre	172.90	172.90	169.07	172.90	172.90	
110	Varnish	1 Litre	169.85	169.85	169.07	169.85	169.85	
111	Plaster of paris	1 Kg.	17.23	17.00	15.69	17.23	17.23	
112	Coal Tar	1 Kg.	49.21	49.21	49.20	49.21	48.00	
113	G.C.I. Sheet							
a	0.30mm thick	1 Sqm.	317.50	317.50	316.78	317.50	317.50	
b	0.40mm thick	1 Sqm.	333.12	333.12	333.12	333.12	333.12	
114	A.C. Sheet	1 Sqm.	209.10	209.10	201.28	209.10	209.10	
115	A.C. ridges	1 pair	207.69	207.69	207.69	207.69	207.69	
116	6mm. Thick Plain A.C. Sheet	1 Sqm	246.55	246.55	242.60	246.55	246.55	
117	Tar Paper	1 Sqm	24.76	24.76	23.29	24.76	24.76	
118	Putty (Wood)	1 Kg.	31.67	31.67	29.91	31.67	31.67	
119	Putty (Iron)	1 Kg.	101.83	101.83	101.83	101.83	101.83	
120	Wire Nails	1 Kg.	79.56	79.56	78.35	79.56	79.56	
121	M.S. Angle	1 Qntl.	Rate as fixed by SAIL					
122	M.S. Channel	1 Qntl.						
123	Bolt, Nut & Washers	1 Kg.	91.46	91.46	91.46	91.46	91.46	
124	Holding down bolts minimum 60 Cm. long with 15Cm. x 15 Cm. x 6mm. size washer plate	1 Kg.	89.58	89.58	89.58	89.58	89.58	
125	Binding Wire.	1 Kg.	90.10	90.10	90.10	90.00	90.10	
126	Coir String	1 Kg.	61.90	61.00	61.90	61.90	61.90	
127	Empty Cement bags (HDPE) by lot & not shorted out	100 nos	400.00	400.00	400.00	400.00	400.00	
a								
b								
c								
d	Empty Bitumen Emulsion Drum	Each	255.33	255.33	255.33	255.33	255.33	

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur	
128	Straw in Bundle	100 nos	275.84	275.84	275.84	270.00	270.00	
129	Marble Chips.	1qntl	673.93	673.93	673.93	673.93	673.93	
130	Marble Powder	1qntl	394.20	394.20	394.20	394.20	394.20	
131	Cement	1qntl	Average factory price of three manufactures of cement inside the State.					
a	33 Grade	1qntl						
b	43 Grade	1qntl						
c	53 Grade	1qntl						
132	White Cement.	1qntl	2010.00	2017.18	2017.18	2017.18	2017.18	
133	Steel	1qntl	Rate as fixed by SAIL					
a	Mild Steel	1qntl						
b	HYSD (Fe-415) / (Fe500)	1qntl						
134	“Z” type Steel Sheet Piles	1qntl	6118.65	6118.65	6077.52	6118.65	6118.65	
135	Bentonite powder	1qntl	337.87	337.87	337.87	337.87	326.00	
136	Oxidized mild steel fittings (I.S.I.)							
	Butt hinges (I.S.I.)							
a	50x37x1.50mm	Each	12.10	12.10	12.10	12.10	12.10	
b	75x47x0.70mm	Each	15.27	15.27	15.27	15.27	15.27	
c	100x58x1.90mm	Each	18.40	18.40	18.40	18.40	18.40	
d	125x65x2.12mm	Each	24.84	24.84	24.84	24.84	24.84	
137	M.S. aldrop (I.S.I.)							
a	250x16mm	Each	98.30	98.30	98.30	98.30	98.30	
b	300x16mm	Each	104.77	104.77	104.77	104.77	104.77	
138	M.S. handle (I.S.I.)							
a	100mm	Each	17.25	17.25	17.25	17.25	17.25	
b	125mm	Each	20.87	20.87	20.24	20.87	20.00	
c	150mm	Each	27.10	27.00	27.10	27.10	27.10	
139	M.S. tower bolt (I.S.I.)							
a	100x10mm	Each	21.78	21.78	20.73	21.78	19.00	
b	150x10mm	Each	30.09	30.09	30.09	30.09	30.09	
c	200x10mm	Each	41.10	41.10	39.06	41.10	41.10	
140	M/S. Screw (I.S.I.)							
a	12x3mm	100 pcs	34.40	34.40	32.73	34.40	34.40	
b	12x4mm	100 pcs	38.33	38.33	38.01	38.33	38.33	
c	20x4mm	100 pcs	39.84	39.84	39.84	39.84	39.84	

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
d	20x5mm	100 pcs	40.88	40.88	40.88	40.88	40.88
e	25x4mm	100 pcs	45.23	45.23	45.23	45.23	45.23
f	25x5mm	100 pcs	51.25	51.25	51.25	51.25	51.25
g	30x4mm	100 pcs	53.64	53.64	53.64	53.64	53.64
h	30x5mm	100 pcs	55.73	55.73	55.73	55.73	55.73
i	30x6mm	100 pcs	59.43	59.43	59.43	59.43	59.43
j	35x6mm	100 pcs	62.88	62.88	62.88	62.88	62.88
k	35x7mm	100 pcs	64.77	64.77	64.77	64.77	62.00
l	35x8mm	100 pcs	76.22	76.22	76.22	76.22	75.00
m	50x7mm	100 pcs	83.04	83.04	83.04	83.04	83.04
n	50x8mm	100 pcs	87.50	87.50	87.50	85.00	87.50
141	Steel window stay bar (I.S.I.)						
a	200mm	Each	26.66	26.66	26.66	26.66	26.66
b	250mm	Each	32.30	32.30	32.30	32.00	32.00
c	300mm	Each	38.29	38.29	38.29	38.29	38.29
142	Steel window handle including Nut, bolt & washer (I.S.I.)						
a	100mm	Each	22.49	22.49	22.49	22.49	22.00
b	150mm	Each	28.25	28.25	28.25	28.25	27.00
143	Welded mesh						
a	25mmx25mmx11 gauge	Sqm	195.00	201.41	201.41	196.00	198.00
b	25mmx25mmx13 gauge	Sqm	188.26	188.26	188.26	184.00	185.00
c	50mmx25mmx11 gauge	Sqm	183.30	183.30	183.30	183.30	183.30
d	50mmx25mmx13 gauge	Sqm	173.81	173.81	173.81	173.81	173.81
144	G.I. "L" & "J" hook	Kg	77.04	77.04	74.41	77.04	77.04
145	W.I clamp	Kg	80.26	80.26	80.26	80.26	80.26
146	Aluminium fittings (I.S.I.)						
	Butt hinges (I.S.I.)						
a	125mmx75mmx4mm	Each	70.80	70.80	70.80	70.80	70.80
b	125mmx63mmx4mm	Each	60.26	60.26	60.26	60.26	60.26
c	100mmx75mmx4mm	Each	56.09	56.09	56.09	54.00	56.00
d	100mmx63mmx4mm	Each	55.67	55.67	55.67	55.67	55.00
e	75mmx63mmx4mm	Each	39.99	39.99	39.98	39.99	39.99
f	50mmx35mmx3.2mm	Each	18.94	18.94	17.88	18.94	17.00

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
147	Aluminium handle (I.S.I.)						
a	150mm with 175mm x 40mm flat	Each	35.15	35.15	33.15	35.15	35.15
b	125mm with 175mm x 40mm flat	Each	35.03	35.03	33.15	35.03	35.03
c	100mm with 150mm x 33mm flat	Each	31.31	31.31	31.31	30.00	30.00
d	75mm with 118mm x 33mm flat	Each	30.86	30.86	30.86	30.00	30.50
148	Aluminium tower bolt (Barrel type) (I.S.I.)						
a	300mm x 10mm	Each	72.31	72.31	72.31	72.31	72.31
b	250mm 10mm	Each	65.51	65.51	65.51	65.51	65.51
c	200mm x 10mm	Each	59.46	59.46	59.46	59.46	59.46
d	150mm x 10mm	Each	54.26	54.26	54.08	54.26	54.26
e	100mm x 10mm	Each	45.17	45.17	44.18	45.17	45.17
149	Sliding door bolt (Aldrop) (I.S.I.)						
a	300mm x 16mm	Each	232.98	232.98	232.98	232.98	232.98
b	250mm x 16mm	Each	223.68	223.68	223.68	223.68	223.68
150	Brass fittings (I.S.I.) Butt hinges (light/Ordinary) (I.S.I.)						
a	125mm x 70mm x 4mm	Each	74.22	74.22	74.22	74.22	72.00
b	100mm x 70mm x 4mm	Each	62.63	62.63	62.63	62.63	62.63
c	75mm x 40mm x 2.5mm	Each	40.64	40.64	40.64	40.00	40.64
d	50mm x 40mm x 2.5mm	Each	19.15	20.62	20.62	20.00	20.62
151	Brass But hinges (Heavy type) (I.S.I.)						
a	125mm x 85mm x 5.5mm (0.07 kg)	Each	223.43	223.43	223.43	223.43	223.43
b	100mmx85mm5.5mm (0.056 kg)	Each	207.78	207.78	207.78	207.78	207.78
c	75mmx65mmx4mm (0.02 kg)	Each	91.74	91.74	91.52	91.74	91.74
152	Brass tower bolt (Barrel type) (I.S.I.)						
a	250mm x 10-mm	Each	227.61	227.61	227.61	227.61	227.61

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
b	200mm x 10mm	Each	198.24	198.24	198.24	198.24	198.24
c	150mm x 10mm	Each	141.01	141.01	141.01	141.01	141.01
d	100mm x 10mm	Each	108.28	108.28	108.28	108.28	108.28
153	Brass Screws (I.S.I.)						
a	50mm	100 Nos	190.61	190.61	190.61	190.61	190.61
b	40mm	100 Nos	176.67	176.67	176.67	176.67	176.67
c	30mm	100 Nos	153.66	153.66	153.66	153.66	153.66
d	25mm	100 Nos	138.78	138.78	138.78	138.78	138.78
e	20mm	100 Nos	94.59	94.59	94.06	94.59	94.59
154	Chromium plated fittings (Brass) (I.S.I.) Handle (I.S.I.)						
a	125mm with 175 x 32mm plate	Each	166.26	166.26	166.26	166.26	166.26
b	100mm with 150 x 25mm plate	Each	137.57	137.57	137.57	137.57	137.57
c	75mm with 125 x 25mm plate	Each	124.76	124.76	124.76	124.76	124.76
155	Wall cement primer (I.S.I.)						
a	Oil bound	1 ltr	125.50	125.50	125.50	125.50	125.50
b	Water bound	1 ltr	159.03	159.03	157.14	159.03	159.03
156	Aluminium paint (I.S.I.)	1 ltr	167.09	167.09	167.09	167.09	167.09
157	Weather Coat (I.S.I.)	1 ltr	194.79	194.79	194.79	194.79	194.79
158	Adhesive (I.S.I.)	1 Kg	217.40	217.40	217.40	217.40	217.40
159	Bitumenous expansion joint board (I.S.I.)						
a	12mm thick	Sqm	739.96	739.96	739.96	739.96	739.96
b	16mm thick	Sqm	1021.34	1021.34	1021.34	1021.34	1021.34
c	25mm thick	Sqm	1314.45	1314.45	1314.45	1314.45	1314.45
160	Barbed wire (I.S.I.)	Kg	76.63	76.63	76.63	76.63	76.63
161	Glass plain (I.S.I.)						
a	3mm	Sqm	365.19	365.19	365.19	365.19	365.19
b	4mm	Sqm	437.36	437.36	437.36	437.36	437.36
c	5mm	Sqm	579.51	579.51	579.51	579.51	579.51
d	6mm	Sqm	672.91	672.91	672.91	672.91	672.91
e	8mm	Sqm	980.32	980.32	980.32	980.32	980.32
f	10mm	Sqm	1232.34	1232.34	1225.36	1232.34	1232.34
g	12mm	Sqm	1484.03	1484.03	1484.03	1484.03	1484.03

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
162	Glass pin headed (I.S.I.)						
a	4mm	Sqm	344.41	344.41	344.41	344.41	344.41
b	5mm	Sqm	417.61	417.61	417.61	417.61	417.61
163	Black glass (I.S.I.)						
a	4mm	Sqm	608.40	608.40	608.40	608.40	608.40
b	5mm	Sqm	705.01	705.01	705.01	705.01	705.01
c	6mm	Sqm	843.50	843.50	843.50	843.50	843.50
d	8mm	Sqm	1286.47	1286.47	1286.47	1286.47	1286.47
e	12mm	Sqm	1979.71	1979.71	1979.71	1979.71	1979.71
164	Frosted glass (I.S.I.)						
a	4mm	Sqm	553.21	553.21	553.21	553.21	553.21
b	5mm	Sqm	596.64	596.64	593.20	596.64	596.64
165	Wire glass – 6 mm (I.S.I.)	Sqm	683.00	700.29	684.66	700.29	700.29
166	Sun-control film (I.S.I.)						
a	Reflective	Sqm	628.82	628.82	628.82	628.82	628.82
b	Non-reflective	Sqm	443.39	443.39	443.39	443.39	440.00
167	Prelaminated particle board (standard type) (I.S.I.)						
a.	9mm	Sqm	634.45	634.45	634.45	634.45	634.45
b	12mm	Sqm	710.82	710.82	710.82	710.82	710.82
c	18mm	Sqm	782.53	782.53	782.53	782.53	782.53
d	25mm	Sqm	959.84	956.00	959.84	959.84	959.84
168	BWR ply wood (I.S.I.)						
a	3mm	Sqm	321.52	321.52	321.52	320.00	321.52
b	4mm	Sqm	363.93	363.93	361.16	363.93	363.93
c	6mm	Sqm	513.61	513.61	512.45	513.61	513.61
d	9mm	Sqm	668.32	668.32	668.32	668.32	668.32
e	12mm	Sqm	839.98	839.98	828.95	839.98	839.98
f	16mm	Sqm	994.34	994.34	979.86	994.34	994.34
g	19mm	Sqm	1146.91	1146.91	1146.91	1146.91	1146.91
h	25mm	Sqm	1607.92	1607.92	1607.92	1607.92	1607.92
169	BWR Block Board (I.S.I.)						
a	16mm	Sqm	911.00	911.00	911.00	911.00	911.00
b	19mm	Sqm	1001.28	1001.28	983.52	1001.28	1001.28
c	25mm	Sqm	1220.91	1220.91	1220.91	1220.91	1220.91
d	32mm	Sqm	1458.68	1458.68	1458.68	1458.68	1458.68

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
170	Vinyl Flooring (I.S.I.)						
(A)	Homogeneous Range (I.S.I.)						
i	PVC (MF) Classic roll-1.00mm thick	Sqm	300.37	300.37	297.60	300.37	300.37
ii	PVC (MF) classic tile-1.00mm thick	Sqm	345.83	345.83	342.92	345.83	345.83
iii	PVC (MF) impress roll-1.50mm thick	Sqm	397.41	397.41	395.68	397.41	397.41
iv	PVC (MF) impress tile-1.50mm thick	Sqm	465.30	465.30	465.30	465.30	465.30
v	PVC (MF) super roll-2.00mm thick	Sqm	516.10	516.10	516.10	516.10	516.10
vi	PVC (MF) super tile -2.00mm thick	Sqm	598.40	598.40	598.40	598.40	598.40
(B)	Heterogeneous Range (I.S.I.)						
i	PVC (MF) Hetro roll-2.00mm thick	Sqm	555.82	555.82	550.07	555.82	555.82
ii	PVC (MF) hetro tile-2.00mm thick	Sqm	619.50	619.50	619.50	619.50	619.50
171	Aluminium extruded section	Kg	297.97	297.97	297.97	297.97	297.97
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. 1 RM)						
a	Outer frames Po-527	1 RM	381.80	381.80	381.80	381.80	381.80
b	Intermediate mullion Po-528	1 RM	409.19	409.19	409.19	409.19	409.19
c	Shutter frame Po-153	1 RM	322.82	322.82	322.82	322.82	322.82
d	Fixed beeding Po-179	1 RM	168.92	168.92	166.85	168.92	168.92
e	Sliding shutter Po-254	1 RM	196.43	196.43	196.43	196.43	196.43
f	Outer frames(side / top) Po-255	1 RM	238.33	238.33	238.33	238.33	238.33
g	Outer frames(bottom) Po-256	1 RM	167.90	167.90	167.90	167.90	167.90
h	Sliding track (SS) Po-257	1 RM	617.97	617.97	617.97	617.97	617.97

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
i	Sashbar Po-101	1 RM	593.67	593.67	593.67	593.67	593.67
j	Sashbar at shutter Po-107	1 RM	297.62	297.62	297.62	297.62	297.62
k	Louvered horizontal (Top/Bottom) Po-193A	1 RM	167.84	167.84	167.84	167.84	167.84
l	33 x 57 Box Section	1 RM	383.61	383.61	383.61	383.61	383.61
m	100x50mm Box Section	1 RM	568.47	568.47	568.47	568.47	568.47
n	Small Z Section	1 RM	280.52	280.52	280.52	280.52	280.52
o	Extended Z Section	1 RM	379.18	379.18	379.18	379.18	379.18
p	Cover Profile	1 RM	131.75	131.75	131.75	131.75	131.75
	Accessories						
a	sliding outer frame assembly / pc	Each	300.27	300.27	300.27	300.27	300.27
b	sliding shutter /pc	Each	357.75	354.00	357.75	357.75	357.75
c	Sashbar	Each	20.48	20.48	20.48	20.00	20.00
d	Wall fixing with polymide anchor at every 600mm c/c of outer frame	Each	33.73	33.73	33.73	33.73	33.73
e	Outer frame corner	Each	52.03	52.03	52.03	52.03	52.03
f	Top hung shutter / pc	Each	401.96	401.96	401.96	401.96	401.96
g	Fixed mullion	Each	63.06	63.06	63.06	63.06	63.06
h	Fixed glazing	Each	120.57	120.57	120.57	120.57	120.57
i	Louvered blade	Each	34.65	34.65	34.65	34.65	34.65
j	Side hung door / pc	Each	465.87	465.87	465.87	465.87	465.87
k	Door lock / pc	Each	423.88	423.88	421.33	423.88	423.88
l	Swing door shutter /pc	Each	231.98	231.98	231.98	231.98	231.98
m	Floor Spring (Godrej Make)	Each	3579.24	3579.24	3579.24	3579.24	3579.24
	Gasket						
a	For Shutter Po-153	1 RM	47.79	47.79	47.79	47.79	47.79
b	For beading Po-179	1 RM	63.27	63.27	63.27	63.27	63.27
c	For Sashbar Po-101	1 RM	130.21	130.21	130.21	130.21	130.21

Sl. No.	Name of items	Unit	Deogarh	Jharsuguda	Bargarh	Bolangir	Sonepur
173	Rate of 60 micron powder coating (including labour charges and material for powder coating) for aluminium section.	Kg of Aluminium	31.23	31.23	31.23	31.23	31.23
174	12.5 mm thick gypsum board of size 6' x 4'	One Piece	400.64	400.64	398.33	400.64	400.64
175	Waste Plastic duly cleaned and shredded conforming to the size passing 2.36mm sieve and retained on 600 micron seive and conforming to requirement if IRC:SP:98-2013.	Per Kg	41.10	41.10	40.35	41.10	41.10

Note:

When source / quarry of a material considered outside the district, the rate of the source district must be adopted with adding transportation charges.

1.3 FOR DISTRICTS OF SOUTHERN RDC DIVISION

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
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	4231.96	4231.96	4231.96	4231.96	4231.96
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	4113.87	4113.87	4113.87	4113.87	4113.87
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	6105.67	6105.67	6105.67	6105.67	6105.67
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	5483.50	5483.50	5483.50	5483.50	5483.50
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	5142.55	5142.55	5142.55	5142.55	5142.55
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	4554.88	4320.00	4554.88	4554.88	4554.88
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	16.99	16.50	16.99	16.99	16.99

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
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	29.89	29.89	29.89	29.89	29.89
b.	400mm x 150mm x 200mm size	Each	24.32	24.32	24.32	24.32	24.32
c.	400mm x 100mm x 150mm size	Each	17.13	17.13	17.13	17.13	17.13
d.	300mm x 200mm x 150mm size	Each	19.21	18.00	19.21	19.21	19.21
e.	300mm x 150mm x 150mm size	Each	15.16	14.00	15.16	15.16	15.16
f.	300mm x 100mm x 150mm size	Each	13.89	13.89	13.89	13.89	13.89
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	26.84	26.84	26.84	26.84	26.84
b.	400mm x 150mm x 200mm size	Each	20.30	19.50	19.75	20.30	20.30
c.	400mm x 100mm x 200mm size	Each	16.50	16.50	15.20	16.50	16.50
d.	300mm x 200mm x 150mm size	Each	17.06	17.06	17.06	17.06	17.06
e.	300mm x 150mm x 150mm size	Each	13.99	13.50	13.99	13.99	13.99
f.	300mm x 100mm x 150mm size	Each	11.37	11.37	11.37	11.37	11.37
10	K.B. bricks Khoa 4 Cm.size	1 Cum	388.26	370.00	362.60	388.26	388.26
11	Clamp burnt brick Khoa 4 cm. size.	1 Cum	330.12	295.00	321.00	330.12	330.12
12	Surki of clamp burnt bricks.	1 Cum	473.81	470.00	473.81	473.81	460.00

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
13	Surki of Kiln burnt bricks.	1 Cum	493.85	493.85	476.00	493.85	493.03
14	Screen washed gravel for concrete (12mm. to 20mm.)	1 Cum	183.35	165.00	171.20	183.35	162.79
15	Gravel or moorum	1 Cum	65.88	65.88	65.88	65.88	56.13
16	Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1 Cum	136.33	136.33	136.33	136.33	113.39
17	River single or Bajri (12mm. to 20mm.)	1 Cum	127.28	131.14	131.14	131.14	131.14
18	Screened and washed sharp sand for mortar	1 Cum	76.88	76.88	76.88	76.88	66.23
19	Sand for filling and road blinding	1 Cum	71.94	71.94	71.94	71.94	62.86
20	Clay mortar for masonry work with admixture of sand.	1 Cum	65.00	62.00	65.65	65.65	57.25
21	Stone lime unslaked.	1 Kg.	21.88	21.88	21.88	21.88	21.88
22	Ghooting lime unslaked.	1 Kg.	26.94	26.94	26.94	26.94	26.94
23	Shell lime unslaked.	1 Kg.	24.19	24.19	24.19	24.19	24.19
24 a	Granite broken stone of size not less than 0.0025 Cum. Stacked	1 Cum.	291.96	291.96	291.96	291.96	289.28
b	Granite stone of size not less than 0.0025 Cum. picked up.	1 Cum.	272.26	272.26	272.26	272.26	272.26
25	Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	1 Cum.	263.50	263.50	263.50	263.50	263.50
26	Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	1 Cum.	236.25	236.25	236.25	236.25	218.91
27	Stone other than granite quarried, broken and staked above 0.003 Cum	1 Cum.	242.43	242.43	242.43	242.43	242.43

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
28	Stone other than granite picked up, broken and staked above 0.003 Cum	1 Cum.	233.93	233.93	233.93	233.93	220.04
29	Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve.						
a	Crusher broken.	1 Cum.	879.77	879.77	860.00	879.77	879.77
b	Hand broken.	1 Cum.	700.88	700.88	700.00	700.88	700.88
30	Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve)						
a	Crusher broken.	1 Cum.	899.33	899.33	899.33	899.33	870.00
b	Hand broken.	1 Cum.	710.56	710.56	710.56	710.56	664.59
31	Granite Stone broken metal 40mm. size						
a	Crusher broken.	1 Cum.	995.25	995.25	950.00	995.25	995.25
b	Hand broken.	1 Cum.	787.36	787.36	787.36	787.36	787.36
32	Granite Stone broken metal 26.5mm. size (Passing through 45mm sieve & retained on 22.4mm sieve)						
a	Crusher broken.	1 Cum.	1097.74	1097.74	1097.74	1097.74	1097.74
b	Hand broken.	1 Cum.	814.94	814.94	814.94	814.94	814.94
33	Granite Stone broken metal 25mm. size (Passing through 40mm sieve & retained on 20mm sieve)						
a	Crusher broken.	1 Cum.	1135.74	1135.74	1135.74	1135.74	1135.74
b	Hand broken.	1 Cum.	833.51	833.51	833.51	833.51	775.00

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
34	Granite Stone broken metal 22.4mm. size (Passing through 26.5mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1123.78	1123.78	1123.78	1123.78	1123.78
b	Hand broken.	1 Cum.	914.66	914.66	914.66	914.66	827.37
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.	1382.29	1380.00	1382.29	1382.29	1382.29
b	Hand broken.	1 Cum.	1077.82	1077.82	1077.82	1077.82	1040.00
36	Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1370.27	1350.00	1370.27	1370.27	1370.27
b	Hand broken.	1 Cum.	1094.45	1094.45	1050.00	1094.45	1055.00
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.	1396.62	1396.62	1396.62	1396.62	1396.62
b	Hand broken.	1 Cum.	1085.19	1085.19	1050.00	1085.19	1070.00
38	Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve)						
a	Crusher broken.	1 Cum.	1428.13	1428.13	1428.13	1428.13	1398.79
b	Hand broken.	1 Cum.	1121.38	1121.38	1121.38	1121.38	1095.67

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
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.	1418.67	1395.00	1418.67	1418.67	1407.77
b	Hand broken.	1 Cum.	1109.77	1109.77	1109.77	1109.77	1095.67
(A)	Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	1 Cum.	957.46	957.46	957.46	957.46	880.00
(B)	Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	1 Cum.	805.85	805.85	805.85	805.85	780.00
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.	850.20	850.20	850.20	850.20	813.91
41	Stone other than granite broken to 5cm. size.	1 Cum.	339.83	338.00	339.83	339.83	325.56
42	Stone other than granite broken to 4 cm. size.	1 Cum.	353.65	353.65	353.65	353.65	340.15
43	Stone other than granite broken to 2 cm. size.	1 Cum.	369.84	369.84	369.84	369.84	348.02
44	Stone other than granite broken to 1cm. size.	1 Cum.	393.53	391.00	393.53	393.53	370.47
45	Stone boulder 15cm. & above size granite picked up and nullah boulders.	1 Cum.	195.42	191.00	195.42	195.42	195.42
46	Soiling stone boulder 15Cm. & above size picked up nullah boulders broken.	1 Cum.	209.34	207.00	209.34	209.34	184.11

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
47	Stone boulder 15cm. & above size other than granite or laterite picked up and nullah boulders.	1 Cum.	170.43	170.43	170.43	170.43	149.31
48	Soiling stone boulder 15Cm. & above size other than granite or laterite picked up nullah boulders broken.	1 Cum.	186.28	186.28	186.28	186.28	166.15
49	Soling stone boulders 10 Cm. size picked up other than granite.	1 Cum.	165.97	165.97	165.97	165.97	150.00
50	Hard broken soling stone other than granite (40mm. to 90mm.)	1 Cum.	258.84	238.00	258.84	258.84	240.00
51	I.R.C. Grade I (90mm to 45 mm.)	1 Cum.	804.94	804.94	804.94	804.94	804.94
52	I.R.C. Grade II (63mm. to 45mm.)	1 Cum.	906.85	906.85	900.00	906.85	906.85
53	I.R.C. Grade III (53mm. to 22.4mm.)	1 Cum.	990.00	990.88	930.00	990.88	990.88
54	Laterite soling stone 23Cm. size	1 Cum.	157.58	157.58	157.58	157.58	157.58
55	Laterite Stone rough dressed	1 Cum.	762.55	762.55	762.55	762.55	718.47
56	Bamboo mat or talai.	1 Sqm.	123.50	123.50	124.00	127.00	127.00
57	Bamboo 1ST class 7Cm. to 10Cm. dia & above 6m. long.	Each	80.00	80.00	80.00	73.33	73.33
58 a	Belongi Bomboo 2.51 Cm. to 4Cm. dia & above 5m. long.	Each	34.67	34.67	34.67	29.33	29.33
b	Belongi Bomboo above 4Cm. dia & up to 7Cm. dia & above 5m. long.	Each	42.50	42.50	42.50	33.50	33.50
59	Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	1 RM	51.87	51.87	51.87	51.87	51.87

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
60	Sal bullahs 150mm. to 200mm. mean dia up to 5.5m. long.	1 RM	124.26	124.26	124.26	124.26	124.26
61	Sal bullahs above 200mm. & up to 250mm. mean dia & up to 2.75m. long.	1Cum.	18069.75	18069.75	18069.75	18069.75	18069.75
62	Sal bullahs above 200mm. & up to 250mm. mean dia above 2.75m. long & up to 4.75m. long.	1Cum.	22474.75	22474.75	22474.75	22474.75	22474.75
63	Sal bullahs above 200mm. & up to 250mm. mean dia above 4.75m. long	1Cum.	26849.00	26849.00	26849.00	26849.00	26849.00
64	Sal bullahs above 250mm. & up to 380mm. mean dia & up to 2.75m. long	1Cum.	29736.50	29736.50	29736.50	29736.50	29736.50
65	Sal bullahs above 250mm. & up to 380mm. mean dia & above 2.75m. long up to 4.75m. long	1Cum.	36622.50	36622.50	36622.50	36622.50	36622.50
66	Sal bullahs above 250mm. & up to 380mm. mean dia & above 4.75m. long.	1Cum.	42542.67	42542.67	42542.67	42542.67	42542.67
67	Non-sal bullahs 75mm. mean dia of any length.	1 RM	30.81	30.81	30.81	30.81	30.81
68	Non-sal bullahs 100mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
69	Non-sal bullahs 125mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
70	Non-Sal bullahs 150mm. to 200mm. mean dia of any length.	1 RM	67.82	67.82	67.82	67.82	67.82
71	Non-Sal bullahs above 200mm. & up to 250mm. mean dia up to 2.5m. long.	1Cum.	18070.06	18070.06	18070.06	18070.06	18070.06

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
72	Non-Sal bullahs above 200mm. & up to 250mm. mean dia above 2.5m. long.	1Cum.	24643.33	24643.33	24643.33	24643.33	24643.33
73	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & up to 2.75m. long.	1Cum.	53035.75	53035.75	53035.75	53035.75	53035.75
74	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & above 2.75m. long.	1Cum.	71150.50	71150.50	71150.50	71150.50	71150.50
75	Seasoned Sal wood beam of cross sectional area not less than 150Sq.cm. & least lateral dimension 100mm. & above 2.75m. long.	1Cum.	65533.50	65533.50	65533.50	65533.50	65533.50
76	Seasoned Sal wood planks not more than 75mm. thick & not less than 200mm. width.	1Cum.	63839.00	63839.00	63839.00	63839.00	63839.00
77	Seasoned Piasal wood planks for shutters.	1Cum.	74369.67	74369.67	74369.67	74369.67	74369.67
78	Seasoned Teak wood planks for shutters.	1Cum.	114414.9 4	114414.9 4	114414.9 4	114414.9 4	114414.9 4
79	Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	1Cum.	58374.79	58374.79	58374.79	58374.79	58374.79
80	Non-Sal reapers.	1Cum.	13268.45	13268.45	13268.45	13268.45	13268.45
81	Fire wood	1Qntl	607.12	713.98	607.12	607.12	660.00
82	1St class Raniganj or Mangalore pattern tiles.	100 Nos.	976.72	962.00	976.72	976.72	976.54
83	Ridges of Raniganj or Mangalore parttern tiles.	100 Nos.	1494.52	1455.00	1494.52	1494.52	1494.52
84	Flat tiles (14Cm. x14 Cm.x 1Cm.)	1000 Nos.	310.09	310.00	310.09	310.09	299.42

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
85	Flat tiles (15Cm x15Cmx 1.2 Cm)	1000 Nos.	330.00	315.00	339.65	339.65	320.00
86	Flat tiles (30Cm. x 15 Cm.x 2.5 Cm.)	1000 Nos.	1331.02	1331.02	1274.00	1331.02	1331.02
87	Flat tiles (30Cm. x 30 Cm.x 2.5 Cm.)	1000 Nos.	1556.57	1556.57	1556.57	1556.57	1556.57
88	Pan tiles	1000 Nos.	305.00	315.00	328.42	328.42	320.00
89	Nuria tiles (20Cm. to 25Cm.)	1000 Nos.	719.25	719.25	719.25	719.25	715.00
90	Nuria tiles (25Cm. to 30Cm.)	1000 Nos.	912.84	912.84	912.84	912.84	875.00
91	Ridge tiles	1000 Nos.	1034.59	1015.00	1034.59	1034.59	990.36
92	Marble Tiles of minimum 16 mm thick, dunguri Variety.						
a	Up to 0.10 Sqm.	1 Sqm.	550.99	550.99	550.00	550.99	550.99
b	Above 0.10 Sqm. to 0.40 Sqm.	1 Sqm.	677.95	677.95	677.95	677.95	677.95
c	Above 0.4 Sqm. to 1.00 Sqm.	1 Sqm.	766.45	766.45	766.45	766.45	766.45
93	Kota Tiles of minimum 16 mm thick						
a	Up to 0.10 Sqm.	1 Sqm.	416.91	415.00	416.91	416.91	416.91
b	Above 0.10 Sqm.	1 Sqm.	500.20	500.20	500.20	500.20	500.20
94	Khandolites (Up to 0.06 Sqm.)	1 Sqm.	324.37	321.00	324.37	324.37	324.37
95	Granite Tiles						
a	Up to 0.10 Sqm. (10mm thick)	1 Sqm.	1181.85	1181.85	1181.85	1181.85	1181.85
b	Above 0.10 Sqm						
i	Above 0.10 Sqm & up to 0.4 sqm (10mm. thick)	1 Sqm.	1328.07	1328.07	1328.07	1328.07	1328.07
ii	Above 0.40 sqm. (20mm thick)	1 Sqm.	2098.83	2098.83	2098.83	2098.83	2098.83
96	Kodappa Tiles of 10 mm thick						
a	Above 0.1 Sqm & Up to 0.40 Sqm.	1 Sqm.	310.43	310.43	310.43	310.43	310.43
b	Above 0.40 Sqm.	1 Sqm.	372.80	365.00	372.80	372.80	372.80

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
97	Dholpuri Stone Tiles.	1 Sqm.	408.94	408.94	408.94	408.94	408.94
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 conforming to IS 13753	1 Sqm.	405.20	405.20	405.20	405.20	405.20
b	30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming to IS 13755	1 Sqm.	450.08	450.08	450.08	450.08	450.08
c	Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B la) of following sizes.						
i.	Vitrified Tile 600mmx600mm Plain (Ivory)	1 Sqm.	651.08	651.08	651.08	651.08	651.08
ii.	Vitrified Tile 600mmx600mm Coloured / Printed series (Homogeneous)	1 Sqm.	695.76	695.76	695.76	695.76	695.76
d	Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm conforming to IS 4457 of size 300mmx300mm	1 Sqm.	578.35	578.35	578.35	578.35	578.35
99	Chequered Tiles.	1 Sqm.	254.75	254.75	254.75	254.75	254.75
100	Terrazo Tiles.						
a	With grey cement.	1 Sqm.	256.07	256.07	256.07	256.07	256.07
b	With white cement	1 Sqm.	308.96	308.96	308.96	308.96	308.96
101	Red oxide Primer	1 Litre	142.70	142.70	142.70	142.70	142.70
102	Wood Primer	1 Litre	155.08	155.08	155.08	155.08	155.08
103	Wood Shine Paint	1 Litre	176.27	176.27	176.27	176.27	176.27

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam	
104	Plastic Emulsion paint	1 Litre	249.34	249.34	249.34	249.34	249.34	
105	Enamel paint	1 Litre	205.34	205.34	205.34	205.34	205.34	
106	Distemper	1 Kg.	70.10	70.10	70.00	70.10	70.10	
107	Cement paint	1 Kg.	47.83	47.83	47.83	47.83	47.83	
108	Red oxide powder	1 Kg.	123.94	123.94	123.94	123.94	123.94	
109	French polish	1 Litre	172.90	172.90	172.90	172.90	172.90	
110	Varnish	1 Litre	169.85	169.85	169.85	169.85	169.85	
111	Plaster of paris	1 Kg.	17.23	17.23	17.23	17.23	17.23	
112	Coal Tar	1 Kg.	49.21	48.00	49.21	49.21	49.21	
113	G.C.I. Sheet							
a	0.30mm thick	1 Sqm.	317.50	317.50	317.50	317.50	317.50	
b	0.40mm thick	1 Sqm.	333.12	333.12	333.12	333.12	333.12	
114	A.C. Sheet	1 Sqm.	209.10	209.10	209.10	209.10	209.10	
115	A.C. ridges	1 pair	207.69	207.69	207.69	207.69	207.69	
116	6mm. Thick Plain A.C. Sheet	1 Sqm	246.55	246.55	246.55	246.55	246.55	
117	Tar Paper	1 Sqm	24.76	24.76	24.76	24.76	24.76	
118	Putty (Wood)	1 Kg.	31.67	31.67	31.67	31.67	31.67	
119	Putty (Iron)	1 Kg.	101.83	101.83	101.83	101.83	101.83	
120	Wire Nails	1 Kg.	79.56	79.56	79.56	79.56	79.56	
121	M.S. Angle	1 Qntl.	Rate as fixed by SAIL					
122	M.S. Channel	1 Qntl.						
123	Bolt, Nut & Washers	1 Kg.	91.46	91.46	91.46	91.46	91.46	
124	Holding down bolts minimum 60 Cm. long with 15Cm. x 15 Cm. x 6mm. size washer plate	1 Kg.	89.58	89.58	89.58	89.58	89.58	
125	Binding Wire.	1 Kg.	90.10	90.10	90.10	90.10	90.10	
126	Coir String	1 Kg.	61.90	61.90	61.90	61.90	61.90	
127 a	Empty Cement bags (HDPE) by lot & not shorted out	100 nos	400.00	400.00	400.00	400.00	400.00	
b	Empty Cement gunny bags by lot & not shorted out	100 nos	394.50	394.50	394.50	394.50	394.50	
c	Empty Bitumen Drum	Each	142.59	141.00	142.59	142.59	142.59	
d	Empty Bitumen Emulsion Drum	Each	255.33	255.33	255.33	255.33	255.33	

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam	
128	Straw in Bundle	100 nos	275.84	275.84	275.84	275.84	275.84	
129	Marble Chips.	1qntl	673.93	673.93	673.93	673.93	673.93	
130	Marble Powder	1qntl	394.20	394.20	394.20	394.20	394.20	
131	Cement	1qntl	Average factory price of three manufactures of cement inside the State.					
a	33 Grade	1qntl						
b	43 Grade	1qntl						
c	53 Grade	1qntl						
132	White Cement.	1qntl	2017.18	2017.18	2017.18	2017.18	2017.18	
133	Steel	1qntl	Rate as fixed by SAIL					
a	Mild Steel	1qntl						
b	HYSD (Fe-415) / (Fe500)	1qntl						
134	“Z” type Steel Sheet Piles	1qntl	6118.65	6118.65	6118.65	6118.65	6118.65	
135	Bentonite powder	1qntl	337.87	337.87	337.87	337.87	337.87	
136	Oxidized mild steel fittings (I.S.I.)							
	Butt hinges (I.S.I.)							
a	50x37x1.50mm	Each	12.10	12.10	12.00	12.10	12.10	
b	75x47x0.70mm	Each	15.27	15.27	15.27	15.27	15.27	
c	100x58x1.90mm	Each	18.40	18.40	18.40	18.40	18.40	
d	125x65x2.12mm	Each	24.84	24.84	24.84	24.84	24.84	
137	M.S. aldrop (I.S.I.)							
a	250x16mm	Each	98.30	98.30	98.30	98.30	98.30	
b	300x16mm	Each	104.77	104.77	104.77	104.77	104.77	
138	M.S. handle (I.S.I.)							
a	100mm	Each	17.25	17.25	17.25	17.25	17.25	
b	125mm	Each	20.87	20.87	20.87	20.87	20.87	
c	150mm	Each	27.10	27.10	27.10	27.10	27.10	
139	M.S. tower bolt (I.S.I.)							
a	100x10mm	Each	21.78	21.78	21.78	21.78	21.78	
b	150x10mm	Each	30.09	30.09	30.09	30.09	30.09	
c	200x10mm	Each	41.10	41.10	41.10	41.10	41.10	
140	M/S. Screw (I.S.I.)							
a	12x3mm	100 pcs	34.40	34.00	34.40	34.40	34.40	
b	12x4mm	100 pcs	38.33	38.33	38.33	38.33	38.33	
c	20x4mm	100 pcs	39.84	39.84	39.84	39.84	39.84	

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
d	20x5mm	100 pcs	40.88	40.88	40.88	40.88	40.88
e	25x4mm	100 pcs	45.23	45.23	45.23	45.23	45.23
f	25x5mm	100 pcs	51.25	51.25	51.25	51.25	51.25
g	30x4mm	100 pcs	53.64	53.64	53.64	53.64	53.64
h	30x5mm	100 pcs	55.73	55.73	55.73	55.73	55.73
i	30x6mm	100 pcs	59.43	59.43	59.43	59.43	59.43
j	35x6mm	100 pcs	62.88	62.88	62.88	62.88	62.88
k	35x7mm	100 pcs	64.77	64.77	64.77	64.77	64.77
l	35x8mm	100 pcs	76.22	76.22	76.22	76.22	76.22
m	50x7mm	100 pcs	83.04	83.04	83.04	83.04	83.04
n	50x8mm	100 pcs	87.50	87.50	87.50	87.50	87.50
141	Steel window stay bar (I.S.I.)						
a	200mm	Each	26.66	26.66	26.66	26.66	26.66
b	250mm	Each	32.30	32.30	32.30	32.30	32.30
c	300mm	Each	38.29	38.29	38.29	38.29	38.29
142	Steel window handle including Nut, bolt & washer (I.S.I.)						
a	100mm	Each	22.49	22.49	22.49	22.49	22.49
b	150mm	Each	28.25	28.25	28.25	28.25	28.25
143	Welded mesh						
a	25mmx25mmx11 gauge	Sqm	201.41	201.41	201.41	201.41	201.41
b	25mmx25mmx13 gauge	Sqm	188.26	185.00	188.26	188.26	188.26
c	50mmx25mmx11 gauge	Sqm	183.30	183.30	183.30	183.30	183.30
d	50mmx25mmx13 gauge	Sqm	173.81	173.81	173.81	173.81	173.81
144	G.I. "L" & "J" hook	Kg	77.04	77.04	75.00	77.04	77.04
145	W.I clamp	Kg	80.26	80.26	80.26	80.26	80.26
146	Aluminium fittings (I.S.I.)						
	Butt hinges (I.S.I.)						
a	125mmx75mmx4mm	Each	70.80	70.80	70.80	70.80	70.80
b	125mmx63mmx4mm	Each	60.26	60.26	60.26	60.26	60.26
c	100mmx75mmx4mm	Each	56.09	56.00	56.09	56.09	56.09
d	100mmx63mmx4mm	Each	55.67	55.00	55.67	55.67	55.67
e	75mmx63mmx4mm	Each	39.99	39.99	39.99	39.99	39.99
f	50mmx35mmx3.2mm	Each	18.94	18.94	18.94	18.94	18.94

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
147	Aluminium handle (I.S.I.)						
a	150mm with 175mm x 40mm flat	Each	35.15	35.15	35.15	35.15	35.15
b	125mm with 175mm x 40mm flat	Each	35.03	35.03	35.03	35.03	35.03
c	100mm with 150mm x 33mm flat	Each	31.31	31.31	31.31	31.31	31.31
d	75mm with 118mm x 33mm flat	Each	30.86	30.86	30.86	30.86	30.86
148	Aluminium tower bolt (Barrel type) (I.S.I.)						
a	300mm x 10mm	Each	72.31	72.31	70.00	72.31	72.31
b	250mm 10mm	Each	65.51	65.51	65.51	65.51	65.51
c	200mm x 10mm	Each	59.46	59.46	59.46	59.46	59.46
d	150mm x 10mm	Each	54.26	52.00	54.26	54.26	54.26
e	100mm x 10mm	Each	45.17	45.17	45.00	45.17	45.17
149	Sliding door bolt (Aldrop) (I.S.I.)						
a	300mm x 16mm	Each	232.98	232.98	232.98	232.98	232.98
b	250mm x 16mm	Each	223.68	223.68	223.68	223.68	223.68
150	Brass fittings (I.S.I.) Butt hinges (light/Ordinary) (I.S.I.)						
a	125mm x 70mm x 4mm	Each	74.22	72.50	74.22	74.22	74.22
b	100mm x 70mm x 4mm	Each	62.63	62.63	62.63	62.63	62.63
c	75mm x 40mm x 2.5mm	Each	40.64	39.50	40.64	40.64	40.64
d	50mm x 40mm x 2.5mm	Each	20.62	20.62	20.62	20.62	20.62
151	Brass But hinges (Heavy type) (I.S.I.)						
a	125mm x 85mm x 5.5mm (0.07 kg)	Each	223.43	223.43	223.43	223.43	223.43
b	100mmx85mm5.5mm (0.056 kg)	Each	207.78	207.78	207.78	207.78	207.78
c	75mmx65mmx4mm (0.02 kg)	Each	91.74	91.74	91.74	91.74	91.74
152	Brass tower bolt (Barrel type) (I.S.I.)						
a	250mm x 10-mm	Each	227.61	227.61	227.61	227.61	227.61

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
b	200mm x 10mm	Each	198.24	198.24	198.24	198.24	198.24
c	150mm x 10mm	Each	141.01	141.01	141.01	141.01	141.01
d	100mm x 10mm	Each	108.28	108.28	108.28	108.28	108.28
153	Brass Screws (I.S.I.)						
a	50mm	100 Nos	190.61	183.50	190.61	190.61	190.61
b	40mm	100 Nos	176.67	176.67	176.67	176.67	176.67
c	30mm	100 Nos	153.66	153.25	153.66	153.66	153.66
d	25mm	100 Nos	138.78	136.20	138.78	138.78	138.78
e	20mm	100 Nos	94.59	94.59	94.59	94.59	94.59
154	Chromium plated fittings (Brass) (I.S.I.) Handle (I.S.I.)						
a	125mm with 175 x 32mm plate	Each	166.26	166.26	166.26	166.26	166.26
b	100mm with 150 x 25mm plate	Each	137.57	137.57	137.57	137.57	137.57
c	75mm with 125 x 25mm plate	Each	124.76	124.76	124.76	124.76	124.76
155	Wall cement primer (I.S.I.)						
a	Oil bound	1 ltr	125.50	125.50	125.50	125.50	125.50
b	Water bound	1 ltr	159.03	159.03	159.03	159.03	159.03
156	Aluminium paint (I.S.I.)	1 ltr	167.09	167.09	160.00	167.09	167.09
157	Weather Coat (I.S.I.)	1 ltr	194.79	189.50	194.79	194.79	194.79
158	Adhesive (I.S.I.)	1 Kg	217.40	217.40	217.40	217.40	217.40
159	Bitumenous expansion joint board (I.S.I.)						
a	12mm thick	Sqm	739.96	739.96	739.96	739.96	739.96
b	16mm thick	Sqm	1021.34	1021.34	1021.34	1021.34	1021.34
c	25mm thick	Sqm	1314.45	1314.45	1314.45	1314.45	1314.45
160	Barbed wire (I.S.I.)	Kg	76.63	76.63	76.63	76.63	76.63
161	Glass plain (I.S.I.)						
a	3mm	Sqm	365.19	359.25	365.19	365.19	365.19
b	4mm	Sqm	437.36	437.36	437.36	430.00	437.36
c	5mm	Sqm	579.51	579.51	579.51	579.51	579.51
d	6mm	Sqm	672.91	672.91	672.91	672.91	672.91
e	8mm	Sqm	980.32	980.32	980.32	980.32	980.32
f	10mm	Sqm	1232.34	1232.34	1232.34	1232.34	1232.34
g	12mm	Sqm	1484.03	1484.03	1484.03	1484.03	1484.03

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
162	Glass pin headed (I.S.I.)						
a	4mm	Sqm	344.41	344.41	344.41	344.41	344.41
b	5mm	Sqm	417.61	417.61	417.61	417.61	417.61
163	Black glass (I.S.I.)						
a	4mm	Sqm	608.40	608.40	608.40	608.40	608.40
b	5mm	Sqm	705.01	705.01	705.01	705.01	705.01
c	6mm	Sqm	843.50	843.50	843.50	843.50	843.50
d	8mm	Sqm	1286.47	1286.47	1280.00	1286.47	1286.47
e	12mm	Sqm	1979.71	1979.71	1960.00	1979.71	1979.71
164	Frosted glass (I.S.I.)						
a	4mm	Sqm	553.21	553.21	553.21	553.21	553.21
b	5mm	Sqm	596.64	596.64	596.64	596.64	596.64
165	Wire glass – 6 mm (I.S.I.)	Sqm	700.29	700.29	700.29	700.29	700.29
166	Sun-control film (I.S.I.)						
a	Reflective	Sqm	628.82	628.82	628.82	628.82	628.82
b	Non-reflective	Sqm	443.39	443.39	443.39	443.39	443.39
167	Prelaminated particle board (standard type) (I.S.I.)						
a.	9mm	Sqm	634.45	634.45	634.45	634.45	634.45
b	12mm	Sqm	710.82	710.82	710.82	710.82	710.82
c	18mm	Sqm	782.53	782.53	782.53	782.53	782.53
d	25mm	Sqm	959.84	959.84	959.84	959.84	959.84
168	BWR ply wood (I.S.I.)						
a	3mm	Sqm	321.52	321.52	321.52	321.52	321.52
b	4mm	Sqm	363.93	363.93	363.93	363.93	363.93
c	6mm	Sqm	513.61	513.61	513.61	513.61	513.61
d	9mm	Sqm	668.32	668.32	668.32	668.32	668.32
e	12mm	Sqm	839.98	839.98	839.98	839.98	839.98
f	16mm	Sqm	994.34	994.34	994.34	994.34	994.34
g	19mm	Sqm	1146.91	1146.91	1146.91	1146.91	1146.91
h	25mm	Sqm	1607.92	1596.35	1607.92	1607.92	1586.39
169	BWR Block Board (I.S.I.)						
a	16mm	Sqm	911.00	911.00	911.00	911.00	911.00
b	19mm	Sqm	1001.28	1001.28	1001.28	1001.28	1001.28
c	25mm	Sqm	1220.91	1220.91	1220.91	1220.91	1220.91
d	32mm	Sqm	1458.68	1458.68	1458.68	1458.68	1458.68

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
170	Vinyl Flooring (I.S.I.)						
(A)	Homogeneous Range (I.S.I.)						
i	PVC (MF) Classic roll-1.00mm thick	Sqm	300.37	300.37	300.37	300.37	300.37
ii	PVC (MF) classic tile-1.00mm thick	Sqm	345.83	345.83	345.83	345.83	345.83
iii	PVC (MF) impress roll-1.50mm thick	Sqm	397.41	397.41	397.41	397.41	397.41
iv	PVC (MF) impress tile-1.50mm thick	Sqm	465.30	465.30	465.30	465.30	465.30
v	PVC (MF) super roll-2.00mm thick	Sqm	516.10	516.10	516.10	516.10	516.10
vi	PVC (MF) super tile -2.00mm thick	Sqm	598.40	596.50	598.40	598.40	598.40
(B)	Heterogeneous Range (I.S.I.)						
i	PVC (MF) Hetro roll-2.00mm thick	Sqm	555.82	555.82	555.82	555.82	555.82
ii	PVC (MF) hetro tile-2.00mm thick	Sqm	619.50	619.50	619.50	619.50	619.50
171	Aluminium extruded section	Kg	297.97	295.20	297.97	297.97	297.97
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. 1 RM)						
a	Outer frames Po-527	1 RM	381.80	381.80	381.80	381.80	381.80
b	Intermediate mullion Po-528	1 RM	409.19	409.19	409.19	409.19	409.19
c	Shutter frame Po-153	1 RM	322.82	322.82	322.82	322.82	322.82
d	Fixed beeding Po-179	1 RM	168.92	168.92	168.92	168.92	168.92
e	Sliding shutter Po-254	1 RM	196.43	196.43	196.43	196.43	196.43
f	Outer frames(side / top) Po-255	1 RM	238.33	238.33	238.33	238.33	238.33
g	Outer frames(bottom) Po-256	1 RM	167.90	167.90	167.90	167.90	167.90
h	Sliding track (SS) Po-257	1 RM	617.97	617.97	617.97	617.97	617.97

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
i	Sashbar Po-101	1 RM	593.67	593.67	593.67	593.67	593.67
j	Sashbar at shutter Po-107	1 RM	297.62	295.00	297.62	297.62	297.62
k	Louvered horizontal (Top/Bottom) Po-193A	1 RM	167.84	167.84	165.00	167.84	167.84
l	33 x 57 Box Section	1 RM	383.61	383.61	383.61	383.61	383.61
m	100x50mm Box Section	1 RM	568.47	568.47	568.47	568.47	568.47
n	Small Z Section	1 RM	280.52	280.52	280.00	280.52	280.52
o	Extended Z Section	1 RM	379.18	379.18	379.18	379.18	379.18
p	Cover Profile	1 RM	131.75	131.75	131.75	131.75	131.75
	Accessories						
a	sliding outer frame assembly / pc	Each	300.27	300.27	300.27	300.27	300.27
b	sliding shutter /pc	Each	357.75	352.00	357.75	357.75	357.75
c	Sashbar	Each	20.48	20.48	20.00	20.48	20.48
d	Wall fixing with polymide anchor at every 600mm c/c of outer frame	Each	33.73	33.73	33.73	33.73	33.73
e	Outer frame corner	Each	52.03	52.03	52.03	52.03	52.03
f	Top hung shutter / pc	Each	401.96	401.96	395.00	401.96	401.96
g	Fixed mullion	Each	63.06	63.06	62.00	63.06	63.06
h	Fixed glazing	Each	120.57	120.57	120.57	120.57	120.57
i	Louvered blade	Each	34.65	34.65	34.65	34.65	34.65
j	Side hung door / pc	Each	465.87	465.87	465.87	465.87	465.87
k	Door lock / pc	Each	423.88	423.88	423.88	423.88	423.88
l	Swing door shutter /pc	Each	231.98	231.98	230.00	231.98	231.98
m	Floor Spring (Godrej Make)	Each	3579.24	3579.24	3579.24	3579.24	3579.24
	Gasket						
a	For Shutter Po-153	1 RM	47.79	47.79	47.79	47.79	47.79
b	For beading Po-179	1 RM	63.27	63.27	63.27	63.27	63.27
c	For Sashbar Po-101	1 RM	130.00	130.21	130.21	130.21	130.21

Sl. No.	Name of items	Unit	Nuapada	Kalahandi	Rayagada	Gajapati	Ganjam
173	Rate of 60 micron powder coating (including labour charges and material for powder coating) for aluminium section.	Kg of Aluminium	31.23	29.00	30.00	31.23	31.23
174	12.5 mm thick gypsum board of size 6' x 4'	One Piece	400.64	400.64	400.64	400.64	400.64
175	Waste Plastic duly cleaned and shredded conforming to the size passing 2.36mm sieve and retained on 600 micron seive and conforming to requirement if IRC:SP:98-2013.	Per Kg	41.10	41.10	41.10	41.10	41.10

Note:

When source / quarry of a material considered outside the district, the rate of the source district must be adopted with adding transportation charges.

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
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	4100.00	4231.96	4069.53	4231.96	4083.77
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	3900.00	4113.87	3800.00	4113.87	3864.72
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	6105.67	6000.00	6105.67	6105.67	6105.67
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	5483.50	5483.50	5483.50	5483.50	5483.50
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	5100.00	5142.55	5142.55	5142.55	5142.55
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	4500.00	4554.88	4554.88	4300.00	4554.88
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	16.50	16.99	16.08	16.99	16.14

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
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	29.00	29.89	29.00	29.00	29.87
b.	400mm x 150mm x 200mm size	Each	24.00	24.32	24.00	24.00	24.32
c.	400mm x 100mm x 150mm size	Each	17.00	17.13	17.00	17.00	17.07
d.	300mm x 200mm x 150mm size	Each	19.21	19.21	19.21	19.21	19.21
e.	300mm x 150mm x 150mm size	Each	14.00	15.00	14.88	14.00	14.93
f.	300mm x 100mm x 150mm size	Each	13.89	13.89	12.76	13.89	12.80
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	26.84	26.84	26.84	26.84	26.84
b.	400mm x 150mm x 200mm size	Each	19.00	20.30	20.30	20.30	19.20
c.	400mm x 100mm x 200mm size	Each	16.50	16.50	16.50	16.50	16.50
d.	300mm x 200mm x 150mm size	Each	17.00	17.06	17.01	17.06	17.06
e.	300mm x 150mm x 150mm size	Each	13.99	13.99	13.82	13.99	13.87
f.	300mm x 100mm x 150mm size	Each	11.00	11.37	10.62	11.00	10.66
10	K.B. bricks Khoa 4 Cm.size	1 Cum	388.26	388.26	373.41	388.26	374.72
11	Clamp burnt brick Khoa 4 cm. size.	1 Cum	330.00	330.00	319.41	320.00	320.53
12	Surki of clamp burnt bricks.	1 Cum	473.81	473.81	473.81	473.81	473.81

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
13	Surki of Kiln burnt bricks.	1 Cum	493.85	493.85	493.85	493.85	493.85
14	Screen washed gravel for concrete (12mm. to 20mm.)	1 Cum	183.35	170.00	183.35	180.00	183.35
15	Gravel or moorum	1 Cum	65.88	65.88	64.29	65.88	64.52
16	Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1 Cum	136.33	136.33	129.86	136.33	130.31
17	River single or Bajri (12mm. to 20mm.)	1 Cum	131.14	131.14	131.14	131.14	131.14
18	Screened and washed sharp sand for mortar	1 Cum	76.88	76.88	75.86	76.88	76.13
19	Sand for filling and road blinding	1 Cum	70.00	71.94	71.94	71.94	71.94
20	Clay mortar for masonry work with admixture of sand.	1 Cum	65.00	65.65	65.57	65.65	65.65
21	Stone lime unslaked.	1 Kg.	21.88	21.88	21.86	21.88	21.88
22	Ghooting lime unslaked.	1 Kg.	26.94	26.94	26.94	26.94	26.94
23	Shell lime unslaked.	1 Kg.	24.19	24.19	24.19	24.19	24.19
24 a	Granite broken stone of size not less than 0.0025 Cum. Stacked	1 Cum.	291.96	291.96	291.96	291.96	291.96
b	Granite stone of size not less than 0.0025 Cum. picked up.	1 Cum.	272.26	272.26	271.17	272.26	272.12
25	Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	1 Cum.	263.50	263.50	254.57	263.50	255.46
26	Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	1 Cum.	236.25	236.25	236.25	236.25	236.25
27	Stone other than granite quarried, broken and staked above 0.003 Cum	1 Cum.	242.43	242.43	242.43	242.43	242.43

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
28	Stone other than granite picked up, broken and staked above 0.003 Cum	1 Cum.	233.93	233.93	233.93	233.93	233.93
29	Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve.						
a	Crusher broken.	1 Cum.	879.77	845.00	879.77	879.77	879.77
b	Hand broken.	1 Cum.	700.88	670.00	700.88	700.88	700.88
30	Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve)						
a	Crusher broken.	1 Cum.	899.33	880.00	899.33	899.33	899.33
b	Hand broken.	1 Cum.	710.56	705.00	710.56	710.56	710.56
31	Granite Stone broken metal 40mm. size						
a	Crusher broken.	1 Cum.	995.25	995.25	995.25	995.25	995.25
b	Hand broken.	1 Cum.	787.36	787.36	787.36	787.36	787.36
32	Granite Stone broken metal 26.5mm. size (Passing through 45mm sieve & retained on 22.4mm sieve)						
a	Crusher broken.	1 Cum.	1097.74	1097.74	1097.74	1097.74	1097.74
b	Hand broken.	1 Cum.	814.94	814.94	814.94	814.94	814.94
33	Granite Stone broken metal 25mm. size (Passing through 40mm sieve & retained on 20mm sieve)						
a	Crusher broken.	1 Cum.	1135.74	1040.00	1128.86	1135.74	1132.81
b	Hand broken.	1 Cum.	833.51	790.00	833.51	833.51	833.51

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
34	Granite Stone broken metal 22.4mm. size (Passing through 26.5mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1123.78	1060.00	1123.78	1123.78	1123.78
b	Hand broken.	1 Cum.	914.66	830.00	914.66	914.66	914.66
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.	1382.29	1382.29	1382.29	1382.29	1382.29
b	Hand broken.	1 Cum.	1077.82	1077.82	1077.82	1077.82	1077.82
36	Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve)						
a	Crusher broken.	1 Cum.	1370.27	1370.27	1370.27	1370.27	1370.27
b	Hand broken.	1 Cum.	1094.45	1094.45	1094.45	1094.45	1094.45
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.	1396.62	1396.62	1396.62	1396.62	1396.62
b	Hand broken.	1 Cum.	1085.19	1085.19	1085.19	1085.19	1085.19
38	Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve)						
a	Crusher broken.	1 Cum.	1428.13	1428.13	1428.13	1428.13	1428.13
b	Hand broken.	1 Cum.	1121.38	1121.38	1121.38	1121.38	1121.38

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
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.	1418.67	1418.67	1418.67	1418.67	1418.67
b	Hand broken.	1 Cum.	1109.77	1109.77	1109.77	1109.77	1109.77
(A)	Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	1 Cum.	957.46	875.00	957.46	957.46	957.46
(B)	Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	1 Cum.	805.85	760.00	805.85	805.85	805.85
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.	850.20	800.00	850.20	850.20	850.20
41	Stone other than granite broken to 5cm. size.	1 Cum.	339.83	339.83	339.83	339.83	339.83
42	Stone other than granite broken to 4 cm. size.	1 Cum.	353.65	353.65	353.65	353.65	353.65
43	Stone other than granite broken to 2 cm. size.	1 Cum.	369.84	369.84	369.84	369.84	369.84
44	Stone other than granite broken to 1cm. size.	1 Cum.	393.53	393.53	393.53	393.53	393.53
45	Stone boulder 15cm. & above size granite picked up and nullah boulders.	1 Cum.	195.42	190.00	178.71	195.42	179.34
46	Soiling stone boulder 15Cm. & above size picked up nullah boulders broken.	1 Cum.	209.34	209.34	209.34	209.34	209.34

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
47	Stone boulder 15cm. & above size other than granite or laterite picked up and nullah boulders.	1 Cum.	170.43	170.43	170.43	170.43	170.43
48	Soiling stone boulder 15Cm. & above size other than granite or laterite picked up nullah boulders broken.	1 Cum.	186.28	186.28	186.28	186.28	186.28
49	Soling stone boulders 10 Cm. size picked up other than granite.	1 Cum.	165.97	165.97	165.97	165.97	165.97
50	Hard broken soling stone other than granite (40mm. to 90mm.)	1 Cum.	258.84	258.84	258.84	258.84	258.84
51	I.R.C. Grade I (90mm-45 mm.)	1 Cum.	780.00	804.94	804.94	790.00	804.94
52	I.R.C. Grade II (63mm. to 45mm.)	1 Cum.	906.85	906.85	906.85	906.85	906.85
53	I.R.C. Grade III (53mm. to 22.4mm.)	1 Cum.	990.88	990.88	990.88	990.88	990.88
54	Laterite soling stone 23Cm. size	1 Cum.	157.58	157.58	145.29	157.58	145.80
55	Laterite Stone rough dressed	1 Cum.	762.55	762.55	762.55	762.55	762.55
56	Bamboo mat or talai.	1 Sqm.	120.00	120.00	124.00	124.00	124.00
57	Bamboo 1ST class 7Cm. to 10Cm. dia & above 6m. long.	Each	73.33	73.33	80.00	80.00	80.00
58 a	Belongi Bomboo 2.51 Cm. to 4Cm. dia & above 5m. long.	Each	29.33	29.33	34.67	34.67	34.67
b	Belongi Bomboo above 4Cm. dia & up to 7Cm. dia & above 5m. long.	Each	33.50	33.50	42.50	42.50	42.50
59	Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	1 RM	51.87	51.87	51.87	51.87	51.87

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
60	Sal bullahs 150mm. to 200mm. mean dia up to 5.5m. long.	1 RM	124.26	124.26	124.26	124.26	124.26
61	Sal bullahs above 200mm. & up to 250mm. mean dia & up to 2.75m. long.	1Cum.	18069.75	18069.75	18069.75	18069.75	18069.75
62	Sal bullahs above 200mm. & up to 250mm. mean dia above 2.75m. long & up to 4.75m. long.	1Cum.	22474.75	22474.75	22474.75	22474.75	22474.75
63	Sal bullahs above 200mm. & up to 250mm. mean dia above 4.75m. long	1Cum.	26849.00	26849.00	26849.00	26849.00	26849.00
64	Sal bullahs above 250mm. & up to 380mm. mean dia & up to 2.75m. long	1Cum.	29736.50	29736.50	29736.50	29736.50	29736.50
65	Sal bullahs above 250mm. & up to 380mm. mean dia & above 2.75m. long up to 4.75m. long	1Cum.	36622.50	36622.50	36622.50	36622.50	36622.50
66	Sal bullahs above 250mm. & up to 380mm. mean dia & above 4.75m. long.	1Cum.	42542.67	42542.67	42542.67	42542.67	42542.67
67	Non-sal bullahs 75mm. mean dia of any length.	1 RM	30.81	30.81	30.81	30.81	30.81
68	Non-sal bullahs 100mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
69	Non-sal bullahs 125mm. mean dia of any length.	1 RM	41.81	41.81	41.81	41.81	41.81
70	Non-Sal bullahs 150mm. to 200mm. mean dia of any length.	1 RM	67.82	67.82	67.82	67.82	67.82
71	Non-Sal bullahs above 200mm. & up to 250mm. mean dia up to 2.5m. long.	1Cum.	18070.06	18070.06	18070.06	18070.06	18070.06

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
72	Non-Sal bullahs above 200mm. & up to 250mm. mean dia above 2.5m. long.	1Cum.	24643.33	24643.33	24643.33	24643.33	24643.33
73	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & up to 2.75m. long.	1Cum.	53035.75	53035.75	53035.75	53035.75	53035.75
74	Seasoned rough dressed sawn Sal wood having minimum dimension 50mm. to 150mm. & above 2.75m. long.	1Cum.	71150.50	71150.50	71150.50	71150.50	71150.50
75	Seasoned Sal wood beam of cross sectional area not less than 150Sq.cm. & least lateral dimension 100mm. & above 2.75m. long.	1Cum.	65533.50	65533.50	65533.50	65533.50	65533.50
76	Seasoned Sal wood planks not more than 75mm. thick & not less than 200mm. width.	1Cum.	63839.00	63839.00	63839.00	63839.00	63839.00
77	Seasoned Piasal wood planks for shutters.	1Cum.	74369.67	74369.67	74369.67	74369.67	74369.67
78	Seasoned Teak wood planks for shutters.	1Cum.	114414.9 4	114414.9 4	114414.9 4	114414.9 4	114414.9 4
79	Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	1Cum.	58374.79	58374.79	58374.79	58374.79	58374.79
80	Non-Sal reapers.	1Cum.	13268.45	13268.45	13268.45	13268.45	13268.45
81	Fire wood	1Qntl	716.99	250.00	650.00	620.00	676.01
82	1St class Raniganj or Mangalore pattern tiles.	100 Nos.	976.72	976.72	976.72	976.72	976.72
83	Ridges of Raniganj or Mangalore parttern tiles.	100 Nos.	1494.52	1494.52	1494.52	1494.52	1494.52
84	Flat tiles (14Cm. x14 Cm.x 1Cm.)	1000 Nos.	310.09	310.09	310.09	310.09	310.09

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
85	Flat tiles (15Cm x15Cmx 1.2 Cm)	1000 Nos.	339.65	339.65	339.65	339.65	339.65
86	Flat tiles (30Cm. x 15 Cm.x 2.5 Cm.)	1000 Nos.	1331.02	1331.02	1331.02	1331.02	1331.02
87	Flat tiles (30Cm. x 30 Cm.x 2.5 Cm.)	1000 Nos.	1556.57	1556.57	1556.57	1556.57	1556.57
88	Pan tiles	1000 Nos.	328.42	328.42	328.42	328.42	328.42
89	Nuria tiles (20Cm. to 25Cm.)	1000 Nos.	719.25	719.25	719.25	719.25	719.25
90	Nuria tiles (25Cm. to 30Cm.)	1000 Nos.	912.84	912.84	912.84	912.84	912.84
91	Ridge tiles	1000 Nos.	1034.59	1034.59	1034.59	1034.59	1034.59
92	Marble Tiles of minimum 16 mm thick, dunguri Variety.						
a	Up to 0.10 Sqm.	1 Sqm.	550.99	545.00	550.99	550.99	550.99
b	Above 0.10 Sqm. to 0.40 Sqm.	1 Sqm.	677.95	675.00	677.95	677.95	677.95
c	Above 0.4 Sqm. to 1.00 Sqm.	1 Sqm.	766.45	766.45	766.45	766.45	766.45
93	Kota Tiles of minimum 16 mm thick						
a	Up to 0.10 Sqm.	1 Sqm.	416.91	416.91	416.91	416.91	416.91
b	Above 0.10 Sqm.	1 Sqm.	500.20	500.20	500.20	500.20	500.20
94	Khandolites (Up to 0.06 Sqm.)	1 Sqm.	324.37	324.37	324.37	324.37	324.37
95	Granite Tiles						
a	Up to 0.10 Sqm. (10mm thick)	1 Sqm.	1181.85	1181.85	1181.85	1181.85	1181.85
b	Above 0.10 Sqm						
i	Above 0.10 Sqm & up to 0.4 sqm (10mm. thick)	1 Sqm.	1328.07	1328.07	1328.07	1328.07	1328.07
ii	Above 0.40 sqm. (20mm thick)	1 Sqm.	2098.83	2098.83	2098.83	2098.83	2098.83
96	Kodappa Tiles of 10 mm thick						
a	Above 0.1 Sqm & Up to 0.40 Sqm.	1 Sqm.	310.43	310.43	310.43	310.43	310.43
b	Above 0.40 Sqm.	1 Sqm.	372.80	372.80	372.80	372.80	372.80

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
97	Dholpuri Stone Tiles.	1 Sqm.	408.94	408.94	408.94	408.94	408.94
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 conforming to IS 13753	1 Sqm.	405.20	405.20	405.20	405.20	405.20
b	30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming to IS 13755	1 Sqm.	450.08	450.08	450.08	450.08	450.08
c	Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B 1a) of following sizes.						
i.	Vitrified Tile 600mmx600mm Plain (Ivory)	1 Sqm.	651.08	651.08	651.08	651.08	651.08
ii.	Vitrified Tile 600mmx600mm Coloured / Printed series (Homogeneous)	1 Sqm.	695.76	695.76	695.76	695.76	695.76
d	Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm conforming to IS 4457 of size 300mmx300mm	1 Sqm.	578.35	578.35	578.35	578.35	578.35
99	Chequered Tiles.	1 Sqm.	254.75	230.00	230.67	254.75	231.48
100	Terrazo Tiles.						
a	With grey cement.	1 Sqm.	256.07	256.07	256.07	256.07	256.07
b	With white cement	1 Sqm.	308.96	308.96	308.96	308.96	308.96
101	Red oxide Primer	1 Litre	142.70	142.70	137.12	142.70	137.60
102	Wood Primer	1 Litre	155.08	155.08	155.08	155.08	155.08
103	Wood Shine Paint	1 Litre	176.27	176.27	169.02	176.27	169.61

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur	
104	Plastic Emulsion paint	1 Litre	249.34	249.34	249.34	249.34	249.34	
105	Enamel paint	1 Litre	205.34	205.34	205.16	205.34	205.34	
106	Distemper	1 Kg.	70.10	70.10	70.00	70.10	70.10	
107	Cement paint	1 Kg.	47.83	47.83	47.83	47.83	47.83	
108	Red oxide powder	1 Kg.	123.94	123.94	123.31	123.94	123.74	
109	French polish	1 Litre	172.90	170.00	172.90	172.90	172.90	
110	Varnish	1 Litre	169.85	169.85	169.02	169.85	169.61	
111	Plaster of paris	1 Kg.	17.23	17.23	17.23	17.23	17.23	
112	Coal Tar	1 Kg.	49.21	49.21	49.21	49.21	49.21	
113	G.C.I. Sheet							
a	0.30mm thick	1 Sqm.	317.50	317.50	317.50	317.50	317.50	
b	0.40mm thick	1 Sqm.	330.00	330.00	333.12	333.12	333.12	
114	A.C. Sheet	1 Sqm.	209.10	209.10	209.10	209.10	209.10	
115	A.C. ridges	1 pair	207.69	207.69	207.69	207.69	207.69	
116	6mm. Thick Plain A.C. Sheet	1 Sqm	246.55	246.55	245.55	246.55	246.41	
117	Tar Paper	1 Sqm	24.76	24.76	24.76	24.76	24.76	
118	Putty (Wood)	1 Kg.	31.67	31.67	29.77	31.67	29.87	
119	Putty (Iron)	1 Kg.	101.83	101.83	101.83	101.83	101.83	
120	Wire Nails	1 Kg.	79.56	79.56	79.56	79.56	79.56	
121	M.S. Angle	1 Qntl.	Rate as fixed by SAIL					
122	M.S. Channel	1 Qntl.						
123	Bolt, Nut & Washers	1 Kg.	91.46	91.46	91.46	91.46	91.46	
124	Holding down bolts minimum 60 Cm. long with 15Cm. x 15 Cm. x 6mm. size washer plate	1 Kg.	89.58	89.58	89.58	89.58	89.58	
125	Binding Wire.	1 Kg.	90.10	90.10	90.10	90.10	90.10	
126	Coir String	1 Kg.	61.90	61.90	61.90	61.90	61.90	
127 a	Empty Cement bags (HDPE) by lot & not shorted out	100 nos	400.00	400.00	400.00	400.00	400.00	
b	Empty Cement gunny bags by lot & not shorted out	100 nos	394.50	394.50	394.50	394.50	394.50	
c	Empty Bitumen Drum	Each	142.59	142.59	142.59	142.59	142.59	
d	Empty Bitumen Emulsion Drum	Each	255.33	255.33	255.33	255.33	255.33	

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur	
128	Straw in Bundle	100 nos	275.84	275.84	275.84	275.84	275.84	
129	Marble Chips.	1qntl	673.93	673.93	673.93	673.93	673.93	
130	Marble Powder	1qntl	394.20	394.20	394.20	394.20	394.20	
131	Cement	1qntl	Average factory price of three manufactures of cement inside the State.					
a	33 Grade	1qntl						
b	43 Grade	1qntl						
c	53 Grade	1qntl						
132	White Cement.	1qntl	2017.18	2017.18	2017.18	2017.18	2017.18	
133	Steel	1qntl	Rate as fixed by SAIL					
a	Mild Steel	1qntl						
b	HYSD (Fe-415) / (Fe500)	1qntl						
134	“Z” type Steel Sheet Piles	1qntl	6118.65	6118.65	6118.65	6118.65	6118.65	
135	Bentonite powder	1qntl	337.87	337.87	337.87	337.87	337.87	
136	Oxidized mild steel fittings (I.S.I.)							
	Butt hinges (I.S.I.)							
a	50x37x1.50mm	Each	12.10	12.00	12.10	12.10	12.10	
b	75x47x0.70mm	Each	15.27	15.27	15.27	15.27	15.27	
c	100x58x1.90mm	Each	18.40	18.40	18.40	18.40	18.40	
d	125x65x2.12mm	Each	24.84	24.84	23.38	24.84	23.46	
137	M.S. aldrop (I.S.I.)							
a	250x16mm	Each	98.30	98.30	97.79	98.30	98.13	
b	300x16mm	Each	104.77	104.77	104.77	104.77	104.77	
138	M.S. handle (I.S.I.)							
a	100mm	Each	17.25	17.25	17.25	17.25	17.25	
b	125mm	Each	20.87	20.87	20.87	20.87	20.87	
c	150mm	Each	27.10	27.10	27.10	27.10	27.10	
139	M.S. tower bolt (I.S.I.)							
a	100x10mm	Each	21.78	20.00	21.78	21.78	21.78	
b	150x10mm	Each	30.09	30.00	30.09	30.09	30.09	
c	200x10mm	Each	41.10	41.10	41.10	41.10	41.10	
140	M/S. Screw (I.S.I.)							
a	12x3mm	100 pcs	34.40	34.40	34.40	34.40	34.40	
b	12x4mm	100 pcs	38.33	38.33	38.33	38.33	38.33	
c	20x4mm	100 pcs	39.84	39.84	39.33	39.84	39.47	

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
d	20x5mm	100 pcs	40.88	40.00	40.88	40.88	40.88
e	25x4mm	100 pcs	45.23	45.23	45.23	45.23	43.73
f	25x5mm	100 pcs	51.25	50.00	49.96	51.25	50.13
g	30x4mm	100 pcs	53.64	53.64	52.08	53.64	52.26
h	30x5mm	100 pcs	55.73	55.73	54.22	55.73	54.41
i	30x6mm	100 pcs	59.43	59.43	58.47	59.43	58.67
j	35x6mm	100 pcs	62.88	62.88	61.65	62.88	61.87
k	35x7mm	100 pcs	64.77	64.77	64.77	64.77	64.77
l	35x8mm	100 pcs	76.22	76.22	75.48	76.22	75.74
m	50x7mm	100 pcs	83.04	83.04	82.92	83.04	83.04
n	50x8mm	100 pcs	87.50	87.50	87.17	87.50	87.48
141	Steel window stay bar (I.S.I.)						
a	200mm	Each	26.66	26.66	26.58	26.66	26.66
b	250mm	Each	32.30	32.30	31.89	32.30	32.00
c	300mm	Each	38.29	38.29	38.27	38.29	38.29
142	Steel window handle including Nut, bolt & washer (I.S.I.)						
a	100mm	Each	22.49	22.49	22.49	22.49	22.49
b	150mm	Each	28.25	28.25	27.63	28.25	27.73
143	Welded mesh						
a	25mmx25mmx11 gauge	Sqm	201.41	201.41	201.41	201.41	201.41
b	25mmx25mmx13 gauge	Sqm	188.26	188.26	188.26	188.26	188.26
c	50mmx25mmx11 gauge	Sqm	183.30	183.30	183.30	183.30	183.30
d	50mmx25mmx13 gauge	Sqm	173.81	173.81	173.81	173.81	173.81
144	G.I. "L" & "J" hook	Kg	77.04	77.04	75.83	77.04	76.10
145	W.I clamp	Kg	80.26	80.26	79.73	80.26	80.01
146	Aluminium fittings (I.S.I.)						
	Butt hinges (I.S.I.)						
a	125mmx75mmx4mm	Each	70.80	70.00	70.16	70.80	70.41
b	125mmx63mmx4mm	Each	60.26	60.26	58.47	60.26	58.67
c	100mmx75mmx4mm	Each	56.09	56.09	54.22	56.09	54.41
d	100mmx63mmx4mm	Each	55.67	55.67	55.67	55.67	55.67
e	75mmx63mmx4mm	Each	39.99	39.99	39.99	39.99	39.99
f	50mmx35mmx3.2mm	Each	18.94	18.94	18.94	18.94	18.94

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
147	Aluminium handle (I.S.I.)						
a	150mm with 175mm x 40mm flat	Each	35.15	35.15	35.15	35.15	35.15
b	125mm with 175mm x 40mm flat	Each	35.03	35.03	35.03	35.03	35.03
c	100mm with 150mm x 33mm flat	Each	31.31	31.31	31.31	31.31	31.31
d	75mm with 118mm x 33mm flat	Each	30.86	30.86	30.86	30.86	30.86
148	Aluminium tower bolt (Barrel type) (I.S.I.)						
a	300mm x 10mm	Each	72.31	72.31	70.00	72.31	70.41
b	250mm 10mm	Each	65.51	65.51	63.77	65.51	63.99
c	200mm x 10mm	Each	59.46	59.46	58.47	59.46	58.67
d	150mm x 10mm	Each	54.26	54.26	54.26	54.26	54.26
e	100mm x 10mm	Each	45.17	45.00	45.17	45.17	45.17
149	Sliding door bolt (Aldrop) (I.S.I.)						
a	300mm x 16mm	Each	232.98	232.98	232.98	232.98	232.98
b	250mm x 16mm	Each	223.68	223.68	223.68	223.68	222.95
150	Brass fittings (I.S.I.) Butt hinges (light/Ordinary) (I.S.I.)						
a	125mm x 70mm x 4mm	Each	74.22	74.22	74.22	74.22	74.22
b	100mm x 70mm x 4mm	Each	62.63	62.63	62.63	62.63	62.63
c	75mm x 40mm x 2.5mm	Each	40.64	40.64	40.64	40.64	40.64
d	50mm x 40mm x 2.5mm	Each	20.62	20.62	20.62	20.62	20.62
151	Brass But hinges (Heavy type) (I.S.I.)						
a	125mm x 85mm x 5.5mm (0.07 kg)	Each	223.43	223.43	223.43	223.43	223.43
b	100mmx85mmx5.5mm (0.056 kg)	Each	207.78	207.78	205.00	207.78	207.78
c	75mmx65mmx4mm (0.02 kg)	Each	91.74	91.74	88.47	91.74	88.78
152	Brass tower bolt (Barrel type) (I.S.I.)						
a	250mm x 10-mm	Each	227.61	227.61	227.61	227.61	227.61

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
b	200mm x 10mm	Each	198.24	198.24	198.24	198.24	198.24
c	150mm x 10mm	Each	141.01	141.01	141.01	141.01	141.01
d	100mm x 10mm	Each	108.28	108.28	108.00	108.28	108.28
153	Brass Screws (I.S.I.)						
a	50mm	100 Nos	190.61	190.61	190.61	190.61	190.61
b	40mm	100 Nos	176.67	176.67	176.67	176.67	176.67
c	30mm	100 Nos	153.66	153.66	153.66	153.66	153.66
d	25mm	100 Nos	138.78	138.78	138.78	138.78	138.78
e	20mm	100 Nos	94.59	94.59	94.59	94.59	94.59
154	Chromium plated fittings (Brass) (I.S.I.) Handle (I.S.I.)						
a	125mm with 175 x 32mm plate	Each	166.26	166.26	166.26	166.26	166.26
b	100mm with 150 x 25mm plate	Each	137.57	137.57	137.57	137.57	137.57
c	75mm with 125 x 25mm plate	Each	124.76	124.76	124.76	124.76	124.76
155	Wall cement primer (I.S.I.)						
a	Oil bound	1 ltr	125.50	125.50	125.43	125.50	125.50
b	Water bound	1 ltr	159.03	159.03	159.03	159.03	159.03
156	Aluminium paint (I.S.I.)	1 ltr	167.09	167.09	167.09	167.09	167.09
157	Weather Coat (I.S.I.)	1 ltr	194.79	194.79	194.79	194.79	194.79
158	Adhesive (I.S.I.)	1 Kg	217.40	217.40	217.40	217.40	217.40
159	Bitumenous expansion joint board (I.S.I.)						
a	12mm thick	Sqm	739.96	739.96	739.96	739.96	739.96
b	16mm thick	Sqm	1021.34	1021.34	1021.34	1021.34	1021.34
c	25mm thick	Sqm	1314.45	1314.45	1314.45	1314.45	1314.45
160	Barbed wire (I.S.I.)	Kg	76.63	76.63	75.83	76.63	76.10
161	Glass plain (I.S.I.)						
a	3mm	Sqm	365.19	365.19	365.19	365.19	365.19
b	4mm	Sqm	437.36	437.36	437.36	437.36	437.36
c	5mm	Sqm	579.51	579.51	579.51	579.51	579.51
d	6mm	Sqm	672.91	672.91	672.91	672.91	672.91
e	8mm	Sqm	980.32	965.00	980.32	980.32	980.32
f	10mm	Sqm	1232.34	1230.00	1232.34	1232.34	1232.34
g	12mm	Sqm	1484.03	1484.03	1484.03	1484.03	1484.03

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
162	Glass pin headed (I.S.I.)						
a	4mm	Sqm	344.41	344.41	344.41	344.41	344.41
b	5mm	Sqm	417.61	417.61	417.61	417.61	417.61
163	Black glass (I.S.I.)						
a	4mm	Sqm	608.40	600.00	608.40	608.40	608.40
b	5mm	Sqm	705.01	705.01	705.01	705.01	705.01
c	6mm	Sqm	843.50	843.50	843.50	843.50	843.50
d	8mm	Sqm	1286.47	1286.47	1286.47	1286.47	1286.47
e	12mm	Sqm	1979.71	1979.71	1979.71	1979.71	1979.71
164	Frosted glass (I.S.I.)						
a	4mm	Sqm	553.21	553.21	553.21	553.21	553.21
b	5mm	Sqm	596.64	596.64	596.64	596.64	596.64
165	Wire glass – 6 mm (I.S.I.)	Sqm	700.29	700.29	700.29	700.29	700.29
166	Sun-control film (I.S.I.)						
a	Reflective	Sqm	628.82	628.82	628.82	628.82	628.82
b	Non-reflective	Sqm	443.39	443.39	443.39	443.39	443.39
167	Prelaminated particle board (standard type) (I.S.I.)						
a.	9mm	Sqm	634.45	634.45	634.45	634.45	634.45
b	12mm	Sqm	710.82	710.82	710.82	710.82	710.82
c	18mm	Sqm	782.53	782.53	782.53	782.53	782.53
d	25mm	Sqm	959.84	954.00	959.84	959.84	959.84
168	BWR ply wood (I.S.I.)						
a	3mm	Sqm	321.52	321.52	321.52	321.52	321.52
b	4mm	Sqm	363.93	363.93	363.93	363.93	363.93
c	6mm	Sqm	513.61	513.61	513.61	513.61	513.61
d	9mm	Sqm	668.32	668.32	668.32	668.32	668.32
e	12mm	Sqm	839.98	839.98	839.98	839.98	839.98
f	16mm	Sqm	994.34	994.34	994.34	994.34	994.34
g	19mm	Sqm	1146.91	1146.91	1146.91	1146.91	1146.91
h	25mm	Sqm	1607.92	1607.92	1607.92	1607.92	1607.92
169	BWR Block Board (I.S.I.)						
a	16mm	Sqm	911.00	911.00	911.00	911.00	911.00
b	19mm	Sqm	1001.28	1001.28	1001.28	1001.28	1001.28
c	25mm	Sqm	1220.91	1220.91	1220.91	1220.91	1220.91
d	32mm	Sqm	1458.68	1458.68	1458.68	1458.68	1458.68

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
170	Vinyl Flooring (I.S.I.)						
(A)	Homogeneous Range (I.S.I.)						
i	PVC (MF) Classic roll-1.00mm thick	Sqm	300.37	300.37	300.37	300.37	300.37
ii	PVC (MF) classic tile-1.00mm thick	Sqm	345.83	345.83	345.83	345.83	345.83
iii	PVC (MF) impress roll-1.50mm thick	Sqm	397.41	397.41	397.41	397.41	397.41
iv	PVC (MF) impress tile-1.50mm thick	Sqm	465.30	465.30	465.30	465.30	465.30
v	PVC (MF) super roll-2.00mm thick	Sqm	516.10	516.10	516.10	516.10	516.10
vi	PVC (MF) super tile - 2.00mm thick	Sqm	598.40	598.40	598.40	598.40	598.40
(B)	Heterogeneous Range (I.S.I.)						
i	PVC (MF) Hetro roll-2.00mm thick	Sqm	555.82	555.82	555.82	555.82	555.82
ii	PVC (MF) hetro tile-2.00mm thick	Sqm	619.50	619.50	619.50	619.50	619.50
171	Aluminium extruded section	Kg	297.97	297.97	297.97	297.97	297.97
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. 1 RM)						
a	Outer frames Po-527	1 RM	381.80	381.80	381.80	381.80	381.80
b	Intermediate mullion Po-528	1 RM	409.19	409.19	409.19	409.19	409.19
c	Shutter frame Po-153	1 RM	322.82	322.82	322.82	322.82	322.82
d	Fixed beeding Po-179	1 RM	168.92	168.92	168.90	168.92	168.92
e	Sliding shutter Po-254	1 RM	196.43	196.43	196.43	196.43	196.43
f	Outer frames(side / top) Po-255	1 RM	238.33	238.33	235.00	238.33	238.33
g	Outer frames(bottom) Po-256	1 RM	167.90	167.90	167.90	167.90	167.90
h	Sliding track (SS) Po-257	1 RM	617.97	617.97	605.00	617.97	617.97

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
i	Sashbar Po-101	1 RM	593.67	593.67	593.67	593.67	593.67
j	Sashbar at shutter Po-107	1 RM	297.62	297.62	297.62	297.62	297.62
k	Louvered horizontal (Top/Bottom) Po-193A	1 RM	167.84	167.84	167.84	167.84	167.84
l	33 x 57 Box Section	1 RM	383.61	383.61	383.61	383.61	383.61
m	100x50mm Box Section	1 RM	568.47	568.47	568.47	568.47	568.47
n	Small Z Section	1 RM	280.52	280.52	275.00	280.52	280.52
o	Extended Z Section	1 RM	379.18	379.18	379.18	379.18	379.18
p	Cover Profile	1 RM	131.75	131.75	131.75	131.75	131.75
	Accessories						
a	sliding outer frame assembly / pc	Each	300.27	300.27	300.27	300.27	300.27
b	sliding shutter /pc	Each	357.75	357.75	357.75	357.75	357.75
c	Sashbar	Each	20.48	20.48	20.00	20.48	20.48
d	Wall fixing with polymide anchor at every 600mm c/c of outer frame	Each	33.73	33.73	33.32	33.73	33.44
e	Outer frame corner	Each	52.03	52.03	52.03	52.03	50.74
f	Top hung shutter / pc	Each	401.96	401.96	401.96	401.96	401.96
g	Fixed mullion	Each	63.06	63.06	63.06	63.06	63.06
h	Fixed glazing	Each	120.57	120.57	120.00	120.57	120.57
i	Louvered blade	Each	34.65	34.65	33.00	34.65	33.44
j	Side hung door / pc	Each	465.87	465.87	460.00	465.87	465.87
k	Door lock / pc	Each	423.88	423.88	423.88	423.88	423.88
l	Swing door shutter /pc	Each	231.98	231.98	231.98	231.98	231.98
m	Floor Spring (Godrej Make)	Each	3579.24	3579.24	3579.24	3579.24	3579.24
	Gasket						
a	For Shutter Po-153	1 RM	47.79	47.79	47.00	47.79	47.26
b	For beading Po-179	1 RM	63.27	63.27	63.19	63.27	63.27
c	For Sashbar Po-101	1 RM	130.21	130.21	130.00	130.21	130.21

Sl. No.	Name of items	Unit	Kandhamal	Boudh	Koraput	Malkangiri	Nawarnagpur
173	Rate of 60 micron powder coating (including labour charges and material for powder coating) for aluminium section.	Kg of Aluminium	31.23	31.23	30.82	31.23	30.93
174	12.5 mm thick gypsum board of size 6' x 4'	One Piece	400.64	400.64	400.64	400.64	400.64
175	Waste Plastic duly cleaned and shredded conforming to the size passing 2.36mm sieve and retained on 600 micron seive and conforming to requirement if IRC:SP:98-2013.	Per Kg	41.10	41.10	40.50	41.10	40.64

Note:

When source / quarry of a material considered outside the district, the rate of the source district must be adopted with adding transportation charges.

1.4 NEW MISCELLANEOUS MATERIALS:

Sl No.	Description of Items	Dia of Bar in mm	Rate (Rs.)
1	Epoxy Coating Providing fusion bonded epoxy coating not less than 175 micron thickness and upto 300 micron to reinforcement of all diameters as per I.S 13620-1993 including testing of coating at plant	32 mm	6945.85
		28 mm	8009.69
		25 mm	8486.58
		20 mm	9885.93
		16 mm	11093.03
		12 mm	11441.88
		10 mm	12536.66
		08 mm	14922.19

NOTES:

1. Epoxy Coating will be adopted only for the structures within a distance of 15 K.M from seashore as per orders of Government in respective Department and the rate approved will be effective for one year from the date of approval and subject to condition that the concerned company will set up a plant in one of the coastal Districts of Odisha within that period.
2. The rate will be valid for one financial year and will be reviewed after one year

Sl. No	Description of Item	Unit	Rate (Rs.)
2	All Weather Road Repairing Compound Instant All weather road repairing compound of approved make including monsoon having composition of Aggregates having sieve sizes of 8 mm & down, Bitumen having less of wax content-Anti stripping compound, White spirit, Polymer and Cement.	Kg	Rates provided by OSIC from time to time.

NOTES:

1. All the above rates under miscellaneous items are inclusive of overhead charges, contractor's profit and labour welfare cess but excluding GST as applicable as per Government Notification from time to time.

Sl. No	Description of Items	Unit	Rate (Rs.)
3	Aerated Autoclaved Fly ash (AAC) blocks of different sizes having compressive strength not less than 4N/mm ² conforming to IS:2185 (Part - 3) - 2005 and IS:6441-1972.	1 Cum.	3255.50
4	6mm thick poly carbonate sheet of approved design and quality conforming to IS 14443:1997	1 Sqm.	2169.74
5	12mm thick poly carbonate sheet of approved design and quality conforming to IS 14443:1997	1 Sqm.	3548.29
6	Waterproofing Latex compound for mortar of approved manufacturer.	1 Kg	472.39
7	Glass fiber net of 120 gsm of approved manufacturer for waterproofing treatment.	1 Sqm.	59.42
8	Resin based chemical compound of approved manufacturer for jointing old and new concrete.	1 Kg.	243.67
9	Acrylic based multipurpose polymer of approved make.	1 Kg.	379.05
10	Epoxy based tile grout of approved shade, and approved make.	1 Kg.	736.27
11	Texture paint of approved make and shade for 0.5 mm thick to External walls.	1 Kg.	68.92
12	50mm thick Glass wool sheets of approved make	1 Sqm.	1143.95
13	4mm thick Cement fibre board of approved make.	1 Sqm.	220.22
14	12mm thick Cement fibre board of approved make.	1 Sqm.	369.32
15	Toughened Glass of 6mm thick approved make and approved shade.	1 Sqm.	1412.32
16	Toughened Glass of 12mm thick approved make and approved shade.	1 Sqm.	1776.62
17	Vitrified Floor Tile 600mm x 1200mm size of approved shade and make (Single Charge)	1 Sqm.	611.26
18	Vitrified Floor Tile 1200mm x 1800mm size of approved shade and make (Single Charge)	1 Sqm.	976.17
19	Artificial Lightweight Aggregate (Sintered fly ash coarse aggregate) conforming to IS 9142:Part 2:2018	1 MT	1200.00
20	Processed Steel and Iron Slag aggregate conforming to IS:383-2016 and IRC SP:121-2018		
	(I) 6 mm to 10 mm size	1 Cum.	270.00
	(II) 10 mm to 65 mm size	1 Cum.	720.00
21	Encapsulated lens type high Intensity retro reflective aluminium sheeting	1 Sqm	7000.00
22	Hot applied thermoplastic compound conforming to ASTM: D36 or BS 3262 (Part-I)	1 Ltr	84.00

Sl. No	Description of Items	Unit	Rate (Rs.)
23	Reflectorising glass beads conforming to BS:6088 and BS 3262 (Part- I)	1 Kg	104.00
24	125 micron thick impermeable PVC sheet	1 Sqm	110.00
25	Hot applied Joint sealant conforming to IS: 1834 or ASTM : 3406-95	1 Kg	135.00
26	Polysulphide Joint sealant conforming to IS: 11433(Part-I) or BS 5212 (Part-II)	1 Kg	420.00
27	Polyurethane Joint sealant conforming to BS:5212	1 Kg	2000.00
28	Silicon Joint sealant conforming to ASTM:5893-04	1 Kg	550.00
29	1.25mm thick Plastic sheath for dowel bars	1 Sqm	15.25
30	Resin based aluminized reflective Curing compound conforming to BS:7542 or ASTM:C-309-81 Type 2	1 Ltr	150.00
31	Concrete admixture conforming to IS 9103-1999	1 Ltr	57.00
32	25mm thick Joint Filler Board conforming to IS 1838	1 Sqm	899.00
33	(Delineator) Roadway Indicator conforming to IRC:79	Each	1248.00
34	(Delineator) Hazard Marker conforming to IRC:79	Each	4620.00
35	(Delineator) Object Marker conforming to IRC:79	Each	750.00
36	3 mm thick Corrugated sheet W" beam section for metal beam crash barrier.	1 Kg	94.70
37	Pot type bearing assembly upto 250 tonne capacity consisting of a metal piston supported by a disc, PTFE pads providing sliding surfaces against stainless steel mating together with cast steel assemblies/ fabricated structural steel assemblies dly painted with all components conforming to IS -83 (Part-III)/2018.	Each	58000.00
38	Elastomeric bearing assembly consisting of 7 layers of elastomer bonded to 6 nos Internal reinforcing steel laminates by the process of vulcanisation conforming to IS – 83 (Part-II)/2015	Cu.cm	0.46

1.5 GENERAL NOTES:

1. Steel

- i. All Reinforcement Steel and structural steel shall be procured and used as per specifications mentioned in BIS's documents- IS: 1786 and IS: 2062 respectively. Independent tests shall be conducted, wherever required, to ensure that the materials procured conform to the specifications.
- ii. This steel shall be procured only from those firms, which are established, reliable, indigenous & primary producers of steel, having Integrated Steel Plants (ISP), using iron ore as the basic raw material as per Ministry of Steel's guidelines.
- iii. No re-rolled steel shall be permitted in works. All other specifications and guidelines of Ministry of Road Transport and Highways shall be complied.
- iv. Steel shall be procured from manufacturers as notified by Works Department, Govt of Odisha from time to time.
- v. In case of exigency, other brands (primary producers) of steel may be used with proper justification and prior approval of competent authority satisfying the tests as required by BIS code.
- vi. Rates of steel shall be considered as fixed by SAIL. In case of non-availability of rates of SAIL, rates from other manufacturers as notified by Works Department, Govt of Odisha from time to time may be taken.

2. Cement

- i. The Cement of the companies having their own manufacturing units in the State of Odisha is to be used in all works.
- ii. Weight of cement shall be considered as 14.30 quintals per one cum.
- iii. Rate shall be considered as average factory price of three manufacturers of cement inside the State.

3. In case of bridge works expansion joints and bearings are to be procured from only specified manufacturing units approved by Ministry of Road Transport and Highways.

4. Hard stone is to be used in lieu of granite for slope protection work.

5. Stone and Stone Products

- i. The rates of materials in Schedule of Rates are basic rates excluding cost of conveyance, royalty and GST.
- ii. Normally blasted stones should not be used for soling stone where hand broken stones are available.

6. Wood Work

- i. The rate of wood work items are equivalent to the rates of Odisha Forest Development Corporation Limited 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.
- ii. For wood works the supply rates as fixed by the Odisha Forest Development Corporation Limited shall prevail over that stated in this schedule of rates.

7. Items under Miscellaneous Head

- i. The rates under the sub-head under the miscellaneous items are inclusive of labour and cost of all materials and conveyance except where otherwise mentioned in the description of items. All the rates under miscellaneous items are inclusive of overhead charges, contractor's profit and labour welfare cess but excluding GST as applicable.

8. Materials under E.P.M./ GeM Rate

- i. 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.
- ii. In case of items of works or materials procured through electronic platform, as approved by the State Government from time to time, such as GeM, MSTC Ltd etc, the prevailing rate shall be made applicable for adoption in this Schedule of Rates.

9. Bitumen

- i. Rate shall be considered as fixed by Indian Oil Corporation Limited (IOCL)/ Hindustan Petroleum Corporation Limited (HPCL)/ Bharat Petroleum Corporation Limited (BPCL).

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

11. Overhead Charges include the following elements:-

- i. Site accommodation, setting up plant, access road, water supply, electricity and general site arrangements.
- ii. Office furniture, equipment and communications
- iii. Expenditure on
 - a. Corporate office of contractor
 - b. Site supervision
 - c. Documentation and "as built" drawings
- iv. Mobilisation/de-mobilisation of resources
- v. Labour camps with minimum amenities and transportation to work sites
- vi. Light vehicles for site supervision including administrative and managerial requirements
- vii. Laboratory equipment and quality control including field and laboratory testing
- viii. Minor T&P and survey instruments and setting out works, including verification of line, dimensions, trial pits and bore holes, where required
- ix. Watch and ward
- x. Traffic management during construction
- xi. Expenditure on safeguarding environment
- xii. Sundries
- xiii. Financing Expenditure
- xiv. Work Insurance/compensation

12. For the purpose of calculation of rates, **Contractor's profit @ 7.5 %** and **overhead charges @ 7.5 %** to be adopted in Analysis of Rates of various items to work out estimated cost.

13. While procuring from bidders of certain countries, provision of FDOM No.27945/F., Dated 16.10.2020 shall be strictly followed.

1.6 Basic Rates of PH Materials
(Materials for Water Supply and Sanitary Installations)

Sl. No.	Name of items	Unit	Rate (in Rs.)
1	Ductile Iron pressure, socket and spigot pipes conforming to IS:8329 - 2000		
a	<u>CLASS K7</u>		
i	100 mm dia	1 RM	1026.25
ii	150 mm dia	1 RM	1465.38
iii	200 mm dia	1 RM	1844.75
iv	250 mm dia	1 RM	2416.47
v	300 mm dia	1 RM	3049.00
vi	350 mm dia	1 RM	3691.58
vii	400 mm dia	1 RM	4420.43
viii	450 mm dia	1 RM	5281.99
ix	500 mm dia	1 RM	6248.47
x	600 mm dia	1 RM	8116.45
xi	700 mm dia	1 RM	11314.74
xii	750 mm dia	1 RM	12880.74
xiii	800 mm dia	1 RM	14625.92
xiv	900 mm dia	1 RM	17741.34
xv	1000 mm dia	1 RM	21584.44
b	<u>CLASS K9</u>		
i	100 mm dia	1 RM	1164.58
ii	150 mm dia	1 RM	1687.63
iii	200 mm dia	1 RM	2171.00
iv	250 mm dia	1 RM	2892.01
v	300 mm dia	1 RM	3659.48
vi	350 mm dia	1 RM	4474.58
vii	400 mm dia	1 RM	5340.58
viii	450 mm dia	1 RM	6327.03
ix	500 mm dia	1 RM	7462.77
x	600 mm dia	1 RM	9596.19
xi	700 mm dia	1 RM	12651.84
xii	750 mm dia	1 RM	14220.06
xiii	800 mm dia	1 RM	15679.97
xiv	900 mm dia	1 RM	18891.57
xv	1000 mm dia	1 RM	22809.83
xvi	1100 mm dia	1 RM	27276.72
xvii	1200 mm dia	1 RM	31211.69
1.(A)	Ductile Iron Flanged Pipe		
a	<u>CLASS K7</u>		
i	100 mm dia	1 RM	1072.97
ii	150 mm dia	1 RM	1478.17
iii	200 mm dia	1 RM	1887.55
iv	250 mm dia	1 RM	2490.20

Sl. No.	Name of items	Unit	Rate (in Rs.)
v	300 mm dia	1 RM	3143.61
vi	350 mm dia	1 RM	3730.60
vii	400 mm dia	1 RM	4488.16
viii	450 mm dia	1 RM	5293.60
ix	500 mm dia	1 RM	6248.47
x	600 mm dia	1 RM	8175.04
xi	700 mm dia	1 RM	11326.75
xii	750 mm dia	1 RM	12971.31
xiii	800 mm dia	1 RM	14760.33
xiv	900 mm dia	1 RM	17691.10
xv	1000 mm dia	1 RM	21596.97
b	<u>CLASS K9</u>		
i	100 mm dia	1 RM	1214.56
ii	150 mm dia	1 RM	1701.20
iii	200 mm dia	1 RM	2216.67
iv	250 mm dia	1 RM	2971.35
v	300 mm dia	1 RM	3758.53
vi	350 mm dia	1 RM	4519.61
vii	400 mm dia	1 RM	5417.97
viii	450 mm dia	1 RM	6339.69
ix	500 mm dia	1 RM	7462.77
x	600 mm dia	1 RM	9659.35
xi	700 mm dia	1 RM	12664.89
xii	750 mm dia	1 RM	14318.20
xiii	800 mm dia	1 RM	15823.13
xiv	900 mm dia	1 RM	18839.89
xv	1000 mm dia	1 RM	22822.88
2	Centrifugally Cast (spun) Iron S/S Pressure pipes Class-LA, conforming to IS:1536 - 2001		
a	Class - LA		
i	100 mm dia	1 RM	1300.69
ii	150 mm dia	1 RM	2111.62
iii	200 mm dia	1 RM	3089.98
iv	250 mm dia	1 RM	4165.43
v	300 mm dia	1 RM	5370.08
vi	350 mm dia	1 RM	6908.28
vii	400 mm dia	1 RM	8405.90
viii	450 mm dia	1 RM	10136.07
ix	500 mm dia	1 RM	11867.41
x	600 mm dia	1 RM	15813.86
b	Class - A		
i	100 mm dia	1 RM	1432.37
ii	150 mm dia	1 RM	2314.68
iii	200 mm dia	1 RM	3353.20
iv	250 mm dia	1 RM	4534.61

Sl. No.	Name of items	Unit	Rate (in Rs.)
v	300 mm dia	1 RM	5501.75
vi	350 mm dia	1 RM	7492.79
vii	400 mm dia	1 RM	9186.03
viii	450 mm dia	1 RM	11136.48
ix	500 mm dia	1 RM	12925.76
x	600 mm dia	1 RM	17263.45
c	Class - B		
i	100 mm dia	1 RM	1527.11
ii	150 mm dia	1 RM	2494.38
iii	200 mm dia	1 RM	3627.64
iv	250 mm dia	1 RM	4904.97
v	300 mm dia	1 RM	6360.70
vi	350 mm dia	1 RM	8125.32
vii	400 mm dia	1 RM	9918.26
viii	450 mm dia	1 RM	12012.66
ix	500 mm dia	1 RM	13986.47
x	600 mm dia	1 RM	18701.96
3	C.I. PIPE Screwed Flanged Pipe conforming to (IS-1536)		
a	Class - A		
i	80 mm dia	1 RM	1196.03
ii	100 mm dia	1 RM	1477.91
iii	125 mm dia	1 RM	1860.54
iv	150 mm dia	1 RM	2275.27
v	200 mm dia	1 RM	3264.72
vi	250 mm dia	1 RM	4372.14
vii	300 mm dia	1 RM	5628.60
viii	350 mm dia	1 RM	6925.50
ix	400 mm dia	1 RM	8562.24
x	450 mm dia	1 RM	10351.39
xi	500 mm dia	1 RM	12026.23
xii	600 mm dia	1 RM	16126.41
b	Class - B		
i	80 mm dia	1 RM	1272.38
ii	100 mm dia	1 RM	1565.22
iii	125 mm dia	1 RM	1991.04
iv	150 mm dia	1 RM	2422.99
v	200 mm dia	1 RM	3483.70
vi	250 mm dia	1 RM	4679.73
vii	300 mm dia	1 RM	6034.58
viii	350 mm dia	1 RM	7446.07
ix	400 mm dia	1 RM	9155.36
x	450 mm dia	1 RM	10944.51
xi	500 mm dia	1 RM	12914.67
xii	600 mm dia	1 RM	17306.52

Sl. No.	Name of items	Unit	Rate (in Rs.)
4	C.I. PIPE Vertically Socket & Spigot Pipe conforming to (IS-1537)		
a	Class - A		
i	80mm dia	1 RM	1030.04
ii	100mm dia	1 RM	1298.21
iii	125mm dia	1 RM	1635.43
iv	150mm dia	1 RM	1994.69
v	200mm dia	1 RM	2890.58
vi	250mm dia	1 RM	3911.87
vii	300mm dia	1 RM	5052.70
viii	350mm dia	1 RM	6327.55
ix	400mm dia	1 RM	7756.14
x	450mm dia	1 RM	9402.66
xi	500mm dia	1 RM	10917.50
xii	600mm dia	1 RM	14589.38
xiii	700mm dia	1 RM	18848.38
xiv	750mm dia	1 RM	21131.08
xv	800mm dia	1 RM	23573.65
xvi	900mm dia	1 RM	28760.50
xvii	1000mm dia	1 RM	34611.73
b	Class - B		
i	80mm dia	1 RM	1113.69
ii	100mm dia	1 RM	1391.78
iii	125mm dia	1 RM	1753.53
iv	150mm dia	1 RM	2148.55
v	200mm dia	1 RM	3104.73
vi	250mm dia	1 RM	4213.45
vii	300mm dia	1 RM	5458.68
viii	350mm dia	1 RM	6854.12
ix	400mm dia	1 RM	8354.22
x	450mm dia	1 RM	10121.32
xi	500mm dia	1 RM	11789.89
xii	600mm dia	1 RM	15774.45
xiii	700mm dia	1 RM	20318.85
xiv	750mm dia	1 RM	22871.04
xv	800mm dia	1 RM	25434.32
xvi	900mm dia	1 RM	31088.62
xvii	1000mm dia	1 RM	37328.74
5	C.I. PIPE Vertically CI Flanged Pipe conforming to (IS-1537)		
a	Class - A		
i	80mm dia	1 RM	1160.41
ii	100mm dia	1 RM	1432.37
iii	125mm dia	1 RM	1787.98
iv	150mm dia	1 RM	2192.79

Sl. No.	Name of items	Unit	Rate (in Rs.)
v	200mm dia	1 RM	3148.97
vi	250mm dia	1 RM	4224.55
vii	300mm dia	1 RM	5420.58
viii	350mm dia	1 RM	6804.92
ix	400mm dia	1 RM	8348.09
x	450mm dia	1 RM	10016.66
xi	500mm dia	1 RM	11696.45
xii	600mm dia	1 RM	15664.96
xiii	700mm dia	1 RM	20390.23
xiv	750mm dia	1 RM	22981.83
xv	800mm dia	1 RM	25791.11
xvi	900mm dia	1 RM	31225.26
xvii	1000mm dia	1 RM	37872.67
b	Class - B		
i	80mm dia	1 RM	1236.75
ii	100mm dia	1 RM	1518.50
iii	125mm dia	1 RM	1917.18
iv	150mm dia	1 RM	2340.52
v	200mm dia	1 RM	3368.07
vi	250mm dia	1 RM	4532.13
vii	300mm dia	1 RM	5826.69
viii	350mm dia	1 RM	7325.49
ix	400mm dia	1 RM	8941.21
x	450mm dia	1 RM	10730.36
xi	500mm dia	1 RM	12557.75
xii	600mm dia	1 RM	16845.07
xiii	700mm dia	1 RM	21850.92
xiv	750mm dia	1 RM	24721.79
xv	800mm dia	1 RM	27657.91
xvi	900mm dia	1 RM	33547.24
xvii	1000mm dia	1 RM	40572.58
6	C.I. PIPE Horizontal CI Double Flanged Pipe conforming to (IS-7181)		
a	Class - B		
i	80mm dia	1 RM	1325.36
ii	100mm dia	1 RM	1652.65
iii	125mm dia	1 RM	2086.96
iv	150mm dia	1 RM	2554.67
v	200mm dia	1 RM	3670.70
vi	250mm dia	1 RM	4965.26
vii	300mm dia	1 RM	6413.68
viii	350mm dia	1 RM	8083.43
ix	400mm dia	1 RM	9857.97
x	450mm dia	1 RM	11872.37
xi	500mm dia	1 RM	13864.58

Sl. No.	Name of items	Unit	Rate (in Rs.)
xii	600mm dia	1 RM	18578.89
xiii	700mm dia	1 RM	24035.10
xiv	750mm dia	1 RM	27142.30
7	C.I. Specials & Fittings conforming to IS:1538 - 1993 (Part-x)	Qntl	8761.51
8	Cast Iron Sluice Valve with double flanged ends for water works purposes conforming to IS 14846 - 2000 (Standard)		
a	PN-1.0 (With Wheel)		
i	100 mm dia	Each	6258.52
ii	150 mm dia	Each	9796.37
iii	200 mm dia	Each	14727.71
iv	250 mm dia	Each	22560.97
v	300 mm dia	Each	29667.74
vi	350 mm dia	Each	56071.80
vii	400 mm dia	Each	65924.55
viii	450 mm dia	Each	85762.77
ix	500 mm dia	Each	103289.71
x	600 mm dia	Each	139768.76
b	PN-1.0 (Without Wheel)		
i	100 mm dia	Each	6196.53
ii	150 mm dia	Each	9697.98
iii	200 mm dia	Each	14580.63
iv	250 mm dia	Each	22336.51
v	300 mm dia	Each	29370.20
vi	350 mm dia	Each	55512.22
vii	400 mm dia	Each	65265.53
viii	450 mm dia	Each	84905.78
ix	500 mm dia	Each	102255.62
x	600 mm dia	Each	138370.98
c	PN-1.6 (With Wheel)		
i	100 mm dia	Each	7198.51
ii	150 mm dia	Each	11266.20
iii	200 mm dia	Each	16937.33
iv	250 mm dia	Each	25945.23
v	300 mm dia	Each	34116.88
vi	350 mm dia	Each	64482.53
vii	400 mm dia	Each	75812.80
viii	450 mm dia	Each	98131.56
ix	500 mm dia	Each	118782.67
x	600 mm dia	Each	160733.98
d	PN-1.6 (Without Wheel)		
i	100 mm dia	Each	7126.61
ii	150 mm dia	Each	11153.31
iii	200 mm dia	Each	16768.21

Sl. No.	Name of items	Unit	Rate (in Rs.)
iv	250 mm dia	Each	25686.45
v	300 mm dia	Each	33775.23
vi	350 mm dia	Each	63837.73
vii	400 mm dia	Each	75055.25
viii	450 mm dia	Each	97150.59
ix	500 mm dia	Each	117594.86
x	600 mm dia	Each	159127.00
9	Cast Iron Reflux Valves (Non-return valves) with double flanged ends conforming to IS : 5312 (Part-I) - 2004 (Standard)		
a	PN-1.0		
i	100 mm dia	Each	5518.58
ii	150 mm dia	Each	7923.96
iii	200 mm dia	Each	15564.87
iv	250 mm dia	Each	26388.67
v	300 mm dia	Each	37361.76
vi	350 mm dia	Each	52212.14
vii	400 mm dia	Each	85746.20
viii	450 mm dia	Each	120272.32
ix	500 mm dia	Each	184086.82
x	600 mm dia	Each	298840.56
b	PN-1.6		
i	100 mm dia	Each	6285.01
ii	150 mm dia	Each	9023.29
iii	200 mm dia	Each	17725.95
iv	250 mm dia	Each	30052.58
v	300 mm dia	Each	39481.73
vi	350 mm dia	Each	59463.76
vii	400 mm dia	Each	97656.02
viii	450 mm dia	Each	136975.28
ix	500 mm dia	Each	209653.73
x	600 mm dia	Each	340346.22
10	Cost of DI (D/F) Non Return valve PN-1.0 (Standard)		
a	SINGLE DOOR		
i	100 mm dia	Each	13179.46
ii	150 mm dia	Each	24926.54
iii	200 mm dia	Each	42405.84
iv	250 mm dia	Each	59463.76
v	300 mm dia	Each	86023.77
vi	350 mm dia	Each	142531.45
vii	400 mm dia	Each	166003.70
viii	450 mm dia	Each	207377.81
ix	500 mm dia	Each	271741.98
x	600 mm dia	Each	418713.69
b	MULTI DOOR		

Sl. No.	Name of items	Unit	Rate (in Rs.)
i	700 mm dia	Each	952757.27
ii	750 mm dia	Each	997236.76
iii	800 mm dia	Each	1115162.30
iv	900 mm dia	Each	1224529.00
v	1000 mm dia	Each	1524064.22
11	Cost of DI (D/F) Non Return valve PN-1.6 (Standard)		
a	SINGLE DOOR		
i	100 mm dia	Each	14503.25
ii	150 mm dia	Each	27411.66
iii	200 mm dia	Each	46654.79
iv	250 mm dia	Each	65417.04
v	300 mm dia	Each	94623.59
vi	350 mm dia	Each	156783.61
vii	400 mm dia	Each	182621.44
viii	450 mm dia	Each	228123.92
ix	500 mm dia	Each	353606.32
x	600 mm dia	Each	544316.54
b	MULTI DOOR		
i	700 mm dia	Each	1095679.04
ii	750 mm dia	Each	1146814.03
iii	800 mm dia	Each	1282440.07
iv	900 mm dia	Each	1440622.65
v	1000 mm dia	Each	1793015.84
12	Cost of DI (D/F) Butter Fly Valve (Standard)		
a	PN-1.0		
i	100 mm dia	Each	15510.71
ii	150 mm dia	Each	19369.33
iii	200 mm dia	Each	21373.29
iv	250 mm dia	Each	46234.58
v	300 mm dia	Each	56557.40
vi	350 mm dia	Each	73656.16
vii	400 mm dia	Each	91115.49
viii	450 mm dia	Each	106329.83
ix	500 mm dia	Each	119839.98
x	600 mm dia	Each	200441.34
xi	700 mm dia	Each	284772.01
xii	750 mm dia	Each	371707.20
xiii	800 mm dia	Each	410254.42
xiv	900 mm dia	Each	485904.61
xv	1000 mm dia	Each	635561.49
b	PN-1.6		
i	100 mm dia	Each	16325.81
ii	150 mm dia	Each	20387.88
iii	200 mm dia	Each	22497.94
iv	250 mm dia	Each	49701.71

Sl. No.	Name of items	Unit	Rate (in Rs.)
v	300 mm dia	Each	60807.52
vi	350 mm dia	Each	79188.05
vii	400 mm dia	Each	100196.33
viii	450 mm dia	Each	116953.45
ix	500 mm dia	Each	131827.05
x	600 mm dia	Each	216176.51
xi	700 mm dia	Each	313256.38
xii	750 mm dia	Each	408891.87
xiii	800 mm dia	Each	451286.75
xiv	900 mm dia	Each	583083.92
xv	1000 mm dia	Each	762668.49
	Reputed Make Cast Iron Valve conforming to IS Specifications may be considered to used in WTP,Pumping Station, Rising Main & Reservoir sites.		
13	Kirloskar / Vag/ Audco or equivalent make cast iron Non Rising Spindle type Sluice Valve conforming to IS 14846		
a	PN-1.0		
i	65mm dia	Each	12970.40
ii	80mm dia	Each	14699.52
iii	100 mm dia	Each	20548.53
iv	125mm dia	Each	25344.41
v	150 mm dia	Each	30300.80
vi	200 mm dia	Each	53387.55
vii	250 mm dia	Each	69574.77
viii	300 mm dia	Each	100147.01
ix	350 mm dia	Each	149650.88
x	400 mm dia	Each	186305.72
xi	450 mm dia	Each	225190.80
xii	500 mm dia	Each	290061.05
xiii	600 mm dia	Each	386017.70
b	PN-1.6		
i	65mm dia	Each	13556.34
ii	80mm dia	Each	15409.44
iii	100 mm dia	Each	21518.15
iv	125mm dia	Each	25974.72
v	150 mm dia	Each	32371.83
vi	200 mm dia	Each	54948.33
vii	250 mm dia	Each	75168.00
viii	300 mm dia	Each	103310.33
ix	350 mm dia	Each	158571.86
x	400 mm dia	Each	190925.42
xi	450 mm dia	Each	239295.24
xii	500 mm dia	Each	335024.82
xiii	600 mm dia	Each	439073.78

Sl. No.	Name of items	Unit	Rate (in Rs.)
14	Kirloskar / Vag/ Audco or equivalent make Cast Iron Rising Spindle Type Gate Valve as per IS 14846 Flange End.		
a	PN-1.0		
i	65mm dia	Each	14026.14
ii	80mm dia	Each	15596.06
iii	100 mm dia	Each	22144.55
iv	125mm dia	Each	26913.02
v	150 mm dia	Each	33250.10
vi	200 mm dia	Each	58543.61
vii	250 mm dia	Each	76647.87
viii	300 mm dia	Each	108251.06
ix	350 mm dia	Each	175680.41
x	400 mm dia	Each	225383.94
xi	450 mm dia	Each	274112.64
xii	500 mm dia	Each	329114.48
xiii	600 mm dia	Each	452699.28
b	PN-1.6		
i	65mm dia	Each	14099.22
ii	80mm dia	Each	16707.92
iii	100 mm dia	Each	22293.32
iv	125mm dia	Each	28043.15
v	150 mm dia	Each	33622.02
vi	200 mm dia	Each	59714.19
vii	250 mm dia	Each	77550.93
viii	300 mm dia	Each	109047.11
ix	350 mm dia	Each	185225.18
x	400 mm dia	Each	229053.60
xi	450 mm dia	Each	307052.15
xii	500 mm dia	Each	386881.61
xiii	600 mm dia	Each	481897.35
15	Kirloskar / Vag/ Audco or equivalent make Cast Iron, Double flanged swing type non return valves IS: 5312, Part - I, Flanged ends.		
a	PN-1.0		
i	65mm dia	Each	7294.95
ii	80mm dia	Each	8526.87
iii	100 mm dia	Each	12718.53
iv	125mm dia	Each	19644.17
v	150 mm dia	Each	21477.69
vi	200 mm dia	Each	36551.75
vii	250 mm dia	Each	58135.14
viii	300 mm dia	Each	78845.49
ix	350 mm dia	Each	138707.15

Sl. No.	Name of items	Unit	Rate (in Rs.)
x	400 mm dia	Each	178416.99
xi	450 mm dia	Each	269404.20
xii	500 mm dia	Each	352429.61
xiii	600 mm dia	Each	496151.87
b	PN-1.6		
i	65mm dia	Each	7655.13
ii	80mm dia	Each	8949.69
iii	100 mm dia	Each	13343.63
iv	125mm dia	Each	20617.70
v	150 mm dia	Each	23431.28
vi	200 mm dia	Each	39884.72
vii	250 mm dia	Each	63456.93
viii	300 mm dia	Each	86066.06
ix	350 mm dia	Each	145461.83
x	400 mm dia	Each	187097.85
xi	450 mm dia	Each	282613.41
xii	500 mm dia	Each	369666.05
xiii	600 mm dia	Each	520106.45
16	Kirloskar / Vag/ Audco or equivalent make Cast Iron, Wafer type centric butterfly valve as per BSEN 593 (BS: 5155/ IS : 13095-CI MOC, Lever Operaed.		
a	PN-1.0		
	Lever Operaed.		
i	50mm dia	Each	3791.03
ii	65mm dia	Each	4199.49
iii	80mm dia	Each	4679.73
iv	100 mm dia	Each	6463.67
v	125mm dia	Each	7823.48
vi	150 mm dia	Each	9303.35
vii	200 mm dia	Each	16325.55
	Gear Operated		
i	250 mm dia	Each	24933.33
ii	300 mm dia	Each	29392.52
iii	350 mm dia	Each	53927.82
iv	400 mm dia	Each	69359.45
v	450 mm dia	Each	97529.18
vi	500 mm dia	Each	116646.12
vii	600 mm dia	Each	205854.62
b	PN-1.6		
	Lever Operaed.		
i	50mm dia	Each	3980.25
ii	65mm dia	Each	4408.29
iii	80mm dia	Each	4913.33
iv	100 mm dia	Each	6786.00
v	125mm dia	Each	8213.67

Sl. No.	Name of items	Unit	Rate (in Rs.)
vi	150 mm dia	Each	9767.93
	Gear Operated		
i	200 mm dia	Each	18401.81
ii	250 mm dia	Each	24322.42
iii	300 mm dia	Each	30206.97
iv	350 mm dia	Each	55028.53
17	Kirloskar / Vag/ Audco or equivalent make Kinetic Air valve (Without Isolating SLV), IS 14845, (DK type)		
a	PN-1.0		
i	80mm dia	Each	18849.42
ii	100 mm dia	Each	23837.13
iii	150 mm dia	Each	48291.53
iv	200 mm dia	Each	71245.17
v	250 mm dia	Each	95938.38
b	PN-1.6		
i	80mm dia	Each	19791.63
ii	100 mm dia	Each	25028.60
iii	150 mm dia	Each	48546.00
iv	200 mm dia	Each	71619.71
v	250 mm dia	Each	99200.88
18	Kirloskar / Vag/ Audco or equivalent make Tamperproof Kinetic Air Valve (Without Isolating SLB, IS 14845		
a	PN-1.0		
i	80mm dia	Each	20036.97
ii	100 mm dia	Each	26081.73
iii	150 mm dia	Each	54552.92
iv	200 mm dia	Each	76101.08
b	PN-1.6		
i	80mm dia	Each	21037.91
ii	100 mm dia	Each	24581.78
iii	150 mm dia	Each	51753.49
iv	200 mm dia	Each	74908.78
19	Kirloskar / Vag/ Audco or equivalent make Cast Iron Swing Type Foot Valve IS .4038, PN.0.2 rating Flanged Joint		
i	65mm dia	Each	2910.15
ii	80mm dia	Each	3550.91
iii	100 mm dia	Each	4705.83
iv	125mm dia	Each	7749.09
v	150 mm dia	Each	8371.58
vi	200 mm dia	Each	23617.89
vii	250 mm dia	Each	30137.67
viii	300 mm dia	Each	52793.78
ix	350 mm dia	Each	69764.00
x	400 mm dia	Each	83784.92
xi	450 mm dia	Each	101164.91
20	CI Double Air Valve (Standard) PN-1.6		

Sl. No.	Name of items	Unit	Rate (in Rs.)
i	50 mm dia	Each	7279.29
ii	80 mm dia	Each	10278.57
iii	100 mm dia	Each	12275.87
iv	150 mm dia	Each	25516.01
21	CI Single Air Valve (Standard)		
i	15 mm dia	Each	995.32
ii	20 mm dia	Each	1437.72
iii	25 mm dia	Each	1880.11
22	DI Tamper proof Kinetic Air Valve		
i	25mm single air valves	Each	8697.83
ii	50mm kinetic air valves	Each	11938.14
iii	80mm kinetic air valves	Each	13475.43
iv	100mm kinetic air valves	Each	16523.91
v	150mm kinetic air valves	Each	27581.18
23	M.S. Blank Flange/Flange		
i	10mm thick M S plate 80 mm dia	Each	552.93
ii	10mm thick MS plate 100 mm dia	Each	884.79
iii	10mm thick MS plate 150 mm dia	Each	1161.19
iv	12mm thick MS plate 200 mm dia	Each	1327.05
v	12mm thick MS plate 250 mm dia	Each	1769.45
vi	16 mm thick MS plate 300 mm dia	Each	2433.04
vii	16mm thick MS plate 350 mm dia	Each	2985.97
viii	16mm thick MS plate 400 mm dia	Each	3870.76
ix	20 mm thick MS plate 450 mm dia	Each	4423.69
x	20 mm thick MS plate 500mm dia	Each	5529.68
24	Ductile Iron fittings & Specials conforming to IS Specification.		
i	100mm dia fittings & Specials	Qntl	13215.74
ii	150mm dia fittings & Specials	Qntl	13215.74
iii	200mm dia fittings & Specials	Qntl	13215.74
iv	250mm dia fittings & Specials	Qntl	13215.74
v	300mm dia fittings & Specials	Qntl	13215.74
vi	350mm dia fittings & Specials	Qntl	14050.41
vii	400mm dia fittings & Specials	Qntl	14050.41
viii	450mm dia fittings & Specials	Qntl	14050.41
ix	500mm dia fittings & Specials	Qntl	14050.41
x	600mm dia fittings & Specials	Qntl	14050.41
xi	700mm dia fittings & Specials	Qntl	17110.90
xii	750mm dia fittings & Specials	Qntl	17110.90
xiii	800mm dia fittings & Specials	Qntl	17110.90
xiv	900mm dia fittings & Specials	Qntl	18641.14
xv	1000mm dia fittings & Specials	Qntl	19475.82
xvi	1100mm dia fittings & Specials	Qntl	22118.97
xvii	1200mm dia fittings & Specials	Qntl	22118.97

Sl. No.	Name of items	Unit	Rate (in Rs.)
25	PVC plastic Pipes Schedule -40,80 & 120 as per ASTM -D-1785/2004.		
a	SCHEDULE-40		
i	15 mm dia	1 RM	45.86
ii	20 mm dia	1 RM	60.97
iii	25 mm dia	1 RM	89.52
iv	32 mm dia	1 RM	121.02
b	SCHEDULE-80		
i	15 mm dia	1 RM	57.28
ii	20 mm dia	1 RM	77.55
iii	25 mm dia	1 RM	113.84
iv	32 mm dia	1 RM	157.49
v	50 mm dia	1 RM	264.52
vi	100 mm dia	1 RM	789.89
vii	125 mm dia	1 RM	1095.68
viii	150 mm dia	1 RM	1507.75
ix	200 mm dia	1 RM	2290.46
c	SCHEDULE-120		
i	50 mm dia	1 RM	298.60
ii	100 mm dia	1 RM	997.86
iii	125 mm dia	1 RM	1423.94
iv	150 mm dia	1 RM	1916.33
v	200 mm dia	1 RM	3195.12
26	<u>Rigid UPVC PIPES(IS:4985:2000)</u>		
a	<u>Class-3</u>		
i	90 mm dia	1 RM	258.72
ii	110 mm dia	1 RM	372.68
iii	125 mm dia	1 RM	491.83
iv	160 mm dia	1 RM	785.78
v	200 mm dia	1 RM	1244.12
vi	250 mm dia	1 RM	1936.55
b	<u>Class-4</u>		
i	90 mm dia	1 RM	362.28
ii	110 mm dia	1 RM	483.36
iii	125 mm dia	1 RM	627.35
iv	160 mm dia	1 RM	1036.80
v	200 mm dia	1 RM	1606.02
27	CASING PIPES (IS:12818:2010)		
a	CM (Casing Medium depth above 80m above		
i	50 mm	1 RM	183.58
ii	100 mm	1 RM	441.23
iii	125 mm	1 RM	703.75
iv	150 mm	1 RM	962.24
v	200 mm	1 RM	1740.90

Sl. No.	Name of items	Unit	Rate (in Rs.)
b	CS (Casing Shallow) depth upto 80m		
i	150 mm	1 RM	742.55
ii	200 mm	1 RM	1361.81
iii	250 mm	1 RM	2127.38
iv	300 mm	1 RM	2980.78
28	MS(ERW/SW)Pipes IS 3589:2001		
a	Outer dia & thickness		
i	168.3 mm (4.0 mm)	1 RM	1081.58
ii	168.3 mm (4.50 mm)	1 RM	1215.48
iii	219.1 mm (4.50 mm)	1 RM	1589.23
iv	219.1 mm (6.30 mm)	1 RM	2210.80
v	273 mm (5.0 mm)	1 RM	2204.15
vi	273 mm (6.30 mm)	1 RM	2744.94
vii	323.9 mm (5.60 mm)	1 RM	2938.47
viii	323.9 mm (7.10 mm)	1 RM	3707.11
ix	355.6 mm (5.60 mm)	1 RM	3225.96
x	355.6 mm (8.0 mm)	1 RM	4581.86
xi	406.4 mm (6.30 mm)	1 RM	4154.99
xii	406.4 mm (8.80 mm)	1 RM	5764.05
xiii	457 mm (6.30 mm)	1 RM	4675.95
xiv	457 mm (10.0 mm)	1 RM	7347.80
xv	508 mm (6.30 mm)	1 RM	5203.43
xvi	508 mm (11.0 mm)	1 RM	9016.64
xvii	610 mm (6.30 mm)	1 RM	6265.04
xviii	610 mm (12.50 mm)	1 RM	12290.23
xix	711 mm (7.10 mm)	1 RM	8216.02
xx	712 mm (14.20 mm)	1 RM	16296.97
xxi	813 mm (8.0 mm)	1 RM	10620.22
xxii	814 mm (18.0 mm)	1 RM	20972.92
xxiii	914 mm (10.0 mm)	1 RM	14894.75
xxiv	914 mm (17.50 mm)	1 RM	25848.92
xxv	1016 mm (10.0 mm)	1 RM	16564.63
xxvi	1016 mm (20.0 mm)	1 RM	32795.30
29	GI PIPE(Medium) as per IS 1239 Part-1		
i	15 mm dia	1 RM	134.28
ii	20 mm dia	1 RM	167.43
iii	25 mm dia	1 RM	241.29
iv	32 mm dia	1 RM	297.80
v	40 mm dia	1 RM	350.26
vi	50 mm dia	1 RM	483.63
vii	65 mm dia	1 RM	612.70
viii	80 mm dia	1 RM	786.92
ix	100 mm dia	1 RM	1122.04
x	125 mm dia	1 RM	1479.48
	150 mm dia	1 RM	1755.09

Sl. No.	Name of items	Unit	Rate (in Rs.)
30	Pig Lead	Kg	191.71
31	spurn yarn gasket	Kg	69.24
32	Kerosene oil(As per Market rate)	Litre	50.48
33	High Speed Diesel (HSD)(As per market rate)	Litre	89.79
34	Bleaching powder(EPM Rate)	Quintal	2425.96
35	Rubber insertion 3 mm thick	Sqm	1006.29
36	Nuts & bolts	Kg	70.21
37	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 80 mm dia	Each	22.97
38	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	Each	29.88
39	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150 mm dia	Each	41.37
40	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200 mm dia	Each	71.25
41	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250 mm dia	Each	83.78
42	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia	Each	118.23
43	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia	Each	145.90
44	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	Each	268.70
45	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	Each	298.58
46	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	Each	327.29
47	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	Each	404.29
48	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 650 mm dia	Each	622.49
49	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	Each	730.41
50	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	Each	785.61
51	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	Each	1050.92
52	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	Each	1306.96
53	100mm dia C.I mechanical joint socket IS:13382/92	Each	2670.29
54	150mm dia C.I mechanical joint socket IS:13382/92	Each	4426.56
55	200mm dia C.I mechanical joint socket IS:13382/92	Each	5903.30
56	250mm dia C.I mechanical joint socket IS:13382/92	Each	7799.85
57	300mm dia C.I mechanical joint socket IS:13382/92	Each	10680.12
58	350mm dia C.I mechanical joint socket IS:13382/92	Each	15021.99

Sl. No.	Name of items	Unit	Rate (in Rs.)
59	400mm dia C.I mechanical joint socket IS:13382/92	Each	18340.86
60	450mm dia C.I mechanical joint socket IS:13382/92	Each	21665.35
61	500mm dia C.I mechanical joint socket IS:13382/92	Each	26164.86
62	600mm dia C.I mechanical joint socket IS:13382/92	Each	37204.64
63	700mm dia C.I mechanical joint socket IS:13382/92	Each	37072.44
64	800mm dia C.I mechanical joint socket IS:13382/92	Each	48902.13
65	100mm dia C.I mechanical joint collar IS:13382/92	Each	3373.29
66	150mm dia C.I mechanical joint collar IS:13382/92	Each	5622.46
67	200mm dia C.I mechanical joint collar IS:13382/92	Each	7588.71
68	250mm dia C.I mechanical joint collar IS:13382/92	Each	10119.88
69	300mm dia C.I mechanical joint collar IS:13382/92	Each	14193.83
70	350mm dia C.I mechanical joint collar IS:13382/92	Each	20080.69
71	400mm dia C.I mechanical joint collar IS:13382/92	Each	24190.65
72	450mm dia C.I mechanical joint collar IS:13382/92	Each	29577.69
73	500mm dia C.I mechanical joint collar IS:13382/92	Each	36020.22
74	600mm dia C.I mechanical joint collar IS:13382/92	Each	50055.10
75	Cost of solvent cement	Kg	944.04
76	15mm dia G.M ferrule cock as per IS:2692-1978	Each	863.52
77	20mm dia G.M ferrule cock as per IS:2692-1978	Each	1460.43
78	25mm dia G.M ferrule cock as per IS:2692-1978	Each	2686.86
79	15mm dia Brass Screw-down Bib Cock	Each	463.28
80	20mm dia Brass Screw-down Bib Cock	Each	846.95
81	15mm dia Brass Screw-down Stop Cock	Each	463.28
82	20mm dia Brass Screw-down Stop Cock	Each	846.95
83	15mm dia C.P. short body bib cock	Each	751.42
84	15mm dia C.P.long body bib cock	Each	815.23
85	15mm dia C.P. long nose bib cock	Each	891.45
86	15mm dia C.P swan neck Pillar cock with spout	Each	1222.79
87	15mm dia C.P. Pillar cock with swinging spout	Each	1255.80
88	15mm dia C.P.angular stop cock	Each	751.42
89	20mm dia C.P.angular stop cock	Each	773.08
90	15mm dia C.P concealed stop cock	Each	911.93
91	20mm dia C.P concealed stop cock	Each	919.89
92	15mm dia C.P pillar cock	Each	761.60
93	C.P.revolving shower with arm (overhead)	Each	440.57
94	CP Arm for Over head Shower	Each	122.93
95	CP Shower (Over Head)	Each	328.99
96	C.P.revolving shower (bend type)	Each	535.18
97	C.P. towel rail.(600x20)mm	Each	704.70
98	C.P. towel rail.(450x20)mm	Each	691.00
99	C.P. towel ring.	Each	440.57

Sl. No.	Name of items	Unit	Rate (in Rs.)
100	C.P.soap holder/disc.	Each	136.63
101	C.P. toilet paper holder	Each	856.08
102	C.P. flange(Small)	Each	27.93
103	C.P. flange(Big)	Each	52.07
104	C.P.grating	Each	47.89
105	C.P. extension piece-2"	Each	76.60
106	C.P. extension piece-3"	Each	111.19
107	C.P. waste. (32mm - Small)	Each	233.46
108	C.P. waste. (32mm -5" long)	Each	324.55
109	C.P. waste. (40mm-Small)	Each	317.64
110	C.P. waste. (40mm-5")	Each	374.54
111	C.P. Sink waste. (80/32)	Each	280.05
112	Urinal Domed Waste Coupling	Each	398.55
113	C.P. glass self with glass	Each	398.55
114	C.P. flush bend.	Each	236.86
115	Bevelled Edge Mirrior	Each	318.81
116	Frammed Mirrior	Each	398.55
117	CP Health Foucet with 1.0 1 RM PVC Tube	Each	683.04
118	CP Jet spary with 1.0 1 RM PVC Tube	Each	400.77
119	CP Telephonic shower with CP/PVC Flexible Tube with Hook.	Each	660.33
120	15 mm CP 2 in 1 Bib cock .	Each	1089.54
121	15 mm CP 2 in 1 Angle stop cock (Prayag).	Each	1184.03
122	Wall Mixture Non Telephonic Type	Each	2064.12
123	Wall Mixture 2 in 1 with out Telephonic Shower	Each	3068.19
124	Liquid Soap container	Each	444.09
125	Brass Spindle for Bib Cock/ Pillar Cock/ Stop Cock	Each	120.32
126	Brass or Gun metal Full Way Valve(ISI Marked)		
i	15mm dia	Each	533.88
ii	20mm dia	Each	686.56
iii	25mm dia	Each	1138.48
iv	32mm dia	Each	1664.53
v	40mm dia	Each	2137.98
vi	50mm dia	Each	3209.39
vii	65mm dia	Each	5903.04
viii	80mm dia	Each	8251.78
ix	100mm dia	Each	15605.19
127	Brass/GM Ball Valve (ISI Marked)		
i	15mm dia	Each	514.56
ii	20mm dia	Each	716.05
iii	25mm dia	Each	1054.18
iv	32mm dia	Each	1711.12
v	40mm dia	Each	2572.94
vi	50mm dia	Each	3989.25
vii	65mm dia	Each	7003.94
viii	80mm dia	Each	10147.42

Sl. No.	Name of items	Unit	Rate (in Rs.)
ix	100 mm dia	Each	18034.71
128	Brass /GM Vertical Check/Non Return Valve. (ISI Marked)		
i	15mm dia	Each	321.03
ii	20mm dia	Each	482.72
iii	25mm dia	Each	657.98
iv	32mm dia	Each	1117.99
v	40mm dia	Each	1459.51
vi	50mm dia	Each	2602.56
vii	65mm dia	Each	4385.45
viii	80mm dia	Each	6161.43
ix	100mm dia	Each	10975.05
129	Brass /GM Horizontal Check/Non Return Valve. (ISI Marked)		
i	15mm dia	Each	487.81
ii	20mm dia	Each	711.23
iii	25mm dia	Each	1101.03
iv	32mm dia	Each	1790.46
v	40mm dia	Each	2447.01
vi	50mm dia	Each	3356.59
vii	65mm dia	Each	6482.85
viii	80mm dia	Each	8614.17
ix	100mm dia	Each	14700.43
130	Water Meter (Domestic Type)		
i	15 mm diameter	Each	752.33
ii	20 mm diameter	Each	961.26
iii	25 mm diameter	Each	1493.05
iv	32 mm diameter	Each	1711.90
v	40 mm diameter	Each	1941.58
vi	50 mm diameter	Each	2061.90
131	Water Meter (Bulk Type)		
i	50 mm diameter	Each	2067.38
ii	80 mm diameter	Each	2331.51
iii	100 mm diameter	Each	3617.85
iv	150 mm diameter	Each	5160.10
v	200 mm diameter	Each	5827.87
vi	250 mm diameter	Each	12660.98
vii	300 mm diameter	Each	17584.35
viii	350 mm diameter	Each	18590.12
ix	400 mm diameter	Each	23824.60
x	500 mm diameter	Each	37407.17
132	G.I. Jam Nut		
i	15mm dia	Each	6.92
ii	20mm dia	Each	8.09
iii	25mm dia	Each	9.14
iv	32mm dia	Each	11.35

Sl. No.	Name of items	Unit	Rate (in Rs.)
v	40mm dia	Each	13.70
vi	50mm dia	Each	15.92
133	Brass Bell Plug with rivets or 'J' hooks		
i	32mm dia	Each	91.87
ii	50mm dia	Each	114.84
iii	80mm dia	Each	137.81
iv	100mm dia	Each	160.78
134	Double Layer Rotational Moulded Cylindrical Vertical water storage tanks (ISI marked)	Litre	9.79
135	Double Layer Rotational Moulded Cylindrical Vertical water storage tanks.	Litre	7.83
136	3 - Layer White Rotational Moulded Cylindrical Vertical water storage tanks (ISI marked)	Litre	9.92
137	75mm dia S.C.I. S/S Pipe (ISI Marked)	1 RM.	894.58
138	100mm dia S.C.I. S/S Pipe (ISI Marked)	1 RM.	1127.52
139	100mm dia S.C.I. D/S Pipe (ISI Marked)	1 RM.	1276.81
140	100mm dia S.C.I. S/J with door	Each	590.38
141	100mm dia S.C.I. D/J with door	Each	806.23
142	100mm dia S.C.I. S/J plain	Each	574.20
143	100mm dia S.C.I. D/J plain	Each	710.96
144	100mm dia S.C.I. door bend	Each	416.95
145	100mm dia S.C.I. plain bend	Each	396.20
146	100mm dia S.C.I. offset bend	Each	365.27
147	100mm dia S.C.I.H/R bend	Each	616.74
148	100mm dia S.C.I.Gully trap	Each	401.94
149	100mm dia S.C.I. P Trap	Each	684.47
150	100mm dia S.C.I. Cowl	Each	331.86
151	50mm dia S.C.I. S/S Pipe	1 RM.	689.69
152	50mm dia S.C.I. D/S Pipe	1 RM.	760.55
153	50mm dia S.C.I. S/J with door	Each	391.63
154	50mm dia S.C.I. S/J plain	Each	377.80
155	50mm dia S.C.I. door bend	Each	299.76
156	50mm dia S.C.I. plain bend	Each	275.62
157	50mm dia S.C.I. offset bend	Each	295.19
158	50mm dia S.C.I.cowl	Each	259.56
159	C.I. basin bracket(18"x12")	Pair	137.81
160	C.I. basin bracket(22"x16")	Pair	172.26
161	C.I. Sink bracket	Pair	344.52
162	300x300mm, HCI grating .	Each	189.49
163	150x150mm. HCI grating	Each	63.16
164	100mm. dia. HCI grating	Each	17.23
165	125mm. dia. HCI grating	Each	22.97
166	75mm OD P.V.C. SWR S/S Pipe (ISI type-A)	1 RM	145.25

Sl. No.	Name of items	Unit	Rate (in Rs.)
167	90mm OD P.V.C. SWR S/S Pipe (ISI type-A)	1 RM	200.19
168	110 mm OD P.V.C. SWR S/S Pipe (ISI type-A)	1 RM	260.09
169	160 mm OD P.V.C. SWR S/S Pipe (ISI type-A)	1 RM	587.77
170	75mm OD P.V.C. SWR D/S Pipe (ISI type-A)	1 RM	153.73
171	90mm OD P.V.C. SWR D/S Pipe (ISI type-A)	1 RM	199.01
172	110 mm OD P.V.C. SWR D/S Pipe (ISI type-A)	1 RM	278.88
173	160 mm OD P.V.C. SWR D/S Pipe (ISI type-A)	1 RM	598.34
174	75mm OD P.V.C. SWR S/S Pipe (ISI type-B)	1 RM	250.82
175	90mm OD P.V.C. SWR S/S Pipe (ISI type-B)	1 RM	296.63
176	110 mm OD P.V.C. SWR S/S Pipe (ISI type-B)	1 RM	373.88
177	160 mm OD P.V.C. SWR S/S Pipe (ISI type-B)	1 RM	705.61
178	75mm OD P.V.C. SWR D/S Pipe (ISI type-B)	1 RM	262.17
179	90mm OD P.V.C. SWR D/S Pipe (ISI type-B)	1 RM	306.02
180	110 mm OD P.V.C. SWR D/S Pipe (ISI type-B)	1 RM	390.98
181	160 mm OD P.V.C. SWR D/S Pipe (ISI type-B)	1 RM	724.80
182	75mm dia P.V.C. SWR S/J with door	Each	116.28
183	90mm dia P.V.C. SWR S/J with door	Each	181.79
184	110mm dia P.V.C. SWR S/J with door	Each	228.77
185	160mm dia P.V.C. SWR S/J with door	Each	533.61
186	75mm dia P.V.C. SWR D/J with door	Each	232.81
187	110mm dia P.V.C. SWR D/J with door	Each	289.06
188	75mm diaP.V.C. SWR door bend 87.5'	Each	93.57
189	90mm diaP.V.C. SWR door bend 87.5'	Each	132.07
190	110mm diaP.V.C. SWR door bend 87.5'	Each	177.48
191	160mm diaP.V.C. SWR door bend 87.5'	Each	378.06
192	75 mm dia P.V.C. SWR plain bend 87.5'	Each	68.25
193	90 mm dia P.V.C. SWR plain bend 87.5'	Each	78.04
194	110 mm dia P.V.C. SWR plain bend 87.5'	Each	140.03
195	160 mm dia P.V.C. SWR plain bend 87.5'	Each	338.78
196	75 mm dia P.V.C. SWR plain bend 45'	Each	60.03
197	90 mm dia P.V.C. SWR plain bend 45'	Each	94.74
198	110 mm dia P.V.C. SWR plain bend 45'	Each	112.75
199	160 mm dia P.V.C. SWR plain bend 45'	Each	290.10
200	110mm diaP.V.C. SWR offset bend	Each	372.58
201	110mm dia P.V.C. SWR H/R bend	Each	113.14
202	75 mm diaP.V.C. SWR.pipe clip	Each	19.18
203	90 mm diaP.V.C. SWR.pipe clip	Each	20.75
204	110mm diaP.V.C. SWR.pipe clip	Each	24.93
205	160mm diaP.V.C. SWR.pipe clip	Each	53.51
206	110mm dia P.V.C. SWR P Trap	Each	299.76
207	110mm dia P.V.C. SWR Q Trap	Each	374.67
208	110mm dia P.V.C. SWR S Trap	Each	478.67
209	75 mm dia P.V.C. SWR Vent Cowl	Each	22.71
210	90 mm dia P.V.C. SWR Vent Cowl	Each	30.02
211	110 mm dia P.V.C. SWR Vent Cowl	Each	34.45

Sl. No.	Name of items	Unit	Rate (in Rs.)
212	160 mm dia P.V.C. SWR Vent Cowl	Each	128.93
213	90mm dia P.V.C. Nahani Trap	Each	119.41
214	110mm dia P.V.C. Nahani Trap with out Jally	Each	132.85
215	110mm dia P.V.C. SWR Gully trap	Each	499.55
216	75mm dia PVC SWR Door cap	Each	40.59
217	90 mm dia PVC SWR Door cap	Each	48.29
218	110mm dia PVC SWR Door cap	Each	57.42
219	75 mm dia PVC SWR coupler	Each	50.37
220	90 mm dia PVC SWR coupler	Each	83.26
221	110mm dia PVC SWR coupler	Each	91.87
222	160mm dia PVC SWR coupler	Each	234.77
223	75 mm dia PVC SWR Repair coupler	Each	61.86
224	110mm dia PVC SWR Repaircoupler	Each	105.97
225	160mm dia PVC SWR Repaircoupler	Each	264.39
226	75 x 75 x 75mm dia PVC SWR Tee	Each	98.27
227	90 x 90 x 90 mm dia PVC SWR Tee	Each	157.12
228	110 x 110 x 110mm dia PVC SWR Tee	Each	196.66
229	160 x 160 x 160mm dia PVC SWR Tee	Each	311.11
230	75mm dia PVC SWR Single Y with door	Each	163.26
231	90mm dia PVC SWR Single Y with door	Each	211.54
232	110mm dia PVC SWR Single Y with door	Each	318.68
233	160mm dia PVC SWR Single Y with door	Each	747.37
234	75mm dia PVC SWR Double Y with door	Each	240.25
235	110mm dia PVC SWR Double Y with door	Each	412.64
236	PVC SWR Jalli 110mm dia	Each	14.88
237	75mm dia SWR DM Seal	Each	12.40
238	90 mm dia SWR DM Seal	Each	14.62
239	110 mm dia SWER DM Seal	Each	18.53
240	160 mm dia SWR DM Seal	Each	36.93
241	SWR W.C. Connector 110mm x 75 mm	Each	211.93
242	Lip Ring for P/Q/S Trap 125mm	Each	88.35
243	Porcelain 20"x 16"(500x400) W.H.B	Each	1339.19
244	Porcelain 22"x 16"(550x400) W.H.B	Each	1738.13
245	Porcelain 16"x 16"(400x400) Angle Back W.H.B	Each	1253.71
246	Porcelain (1700x700x440) Bath Tub	Each	12879.05
247	Porcelain 18"x 12"(450x300) W.H.B	Each	883.35
248	Porcelain 16"x 16"(400x400) corner W.H.B	Each	1253.71
249	Porcelain Standard Pedestal for W.H.B	Each	2137.07
250	Porcelain 20" I.W.C.(Orissa Pan)	Each	1880.51
251	Porcelain 23" I.W.C.(Orissa Pan)	Each	2279.44
252	Porcelain E.W.C. with P-trap	Each	2051.59
253	Porcelain E.W.C. with S-trap	Each	2108.49
254	Porcelain A.I.W.C. with P-trap	Each	4188.53
255	Porcelain A.I.W.C. with S-trap	Each	4302.45
256	Porcelain Flat back standing Urinal (Small) 430 x 260 x 350	Each	1481.70

Sl. No.	Name of items	Unit	Rate (in Rs.)
257	Porcelain Flat back standing Urinal (Medium)380 x 580 x 350	Each	1692.45
258	Porcelain Flat back stall type magnum Urinal	Each	5356.76
259	Porcelain Corner Urinal(CERA)	Each	1059.92
260	Porcelain Squatting Urinal (600x355mm)	Each	1823.61
261	Porcelain Squatting Urinal (450x350mm)	Each	1709.55
262	Porcelain Urinal Spreader	Each	370.36
263	24"x 18"x10" Porcelain sink (Hindustan)	Each	2621.35
264	22"x 18"x 10" Porcelain sink (Hindustan)	Each	2165.52
265	24"x 18"x10" Porcelain sink (Cera/ Nycer)	Each	5647.39
266	24"x 16"x8" Porcelain sink (Cera/ Nycer)	Each	5145.88
267	Porcelain Counter Top Basin Oval Shape (550x430)	Each	2364.92
268	Porcelain Counter Top Basin Oval Shape (450x400)	Each	2165.52
269	Porcelain E.W.C. with S-trap (popular)Colour	Each	3268.76
270	Porcelain Laboratory Sink (450mm x 300mm) x 150mm	Each	1909.08
271	Porcelain Foot rest for IWC	Each	284.88
272	C.I. Basin Bracket in pair	Pair	170.96
273	C.I. Sink Bracket in pair	Pair	341.91
274	24"x 18"x10" Kadappa sink	Each	1082.76
275	22"x 18"x 10" Kadappa sink	Each	968.83
276	24"x 18" x 10" STEEL sink single bowl(Parry ware)	Each	6154.64
277	24"x 18"x 10" STEEL sink single bowl(Ordinary)	Each	2621.35
278	24"x 18" x 10"STEEL sink single bowl(Mousumi)	Each	3818.17
279	22"x 18"X8" STEEL sink single bowl(Mousumi)	Each	3510.45
280	18"x 16"x8" STEEL sink single bowl(Mousumi)	Each	2917.72
281	36"x 18"x 10" STEEL sink single bowl with drain board(Parry ware)	Each	7139.26
282	40"x 20"x 10" STEEL sink single bowl with drain board(Parry ware)	Each	8185.61
283	10 liter pvc low level cistern with fittings	Each	1544.34
284	EWC PVC standard seat cover	Each	661.11
285	EWC PVC standard seat cover with Jet Spary	Each	888.97
286	10 liter pvc low level cistern with fittings-Colour	Each	1775.71
287	EWC PVC standard seat cover(Colour)	Each	775.04
288	32mmx800mm long PVC corrugated waste pipe	Each	55.33
289	32mmx 1150mm long PVC waste pipe	Each	77.39
290	40mmx800mm long PVC corrugated waste pipe	Each	61.86
291	40mmx1150mm long PVC corrugated waste pipe	Each	86.26
292	50mmx800mm long PVCcorrugated waste pipe	Each	70.86
293	50mmx800mm long PVC urinal waste pipe	Each	123.84
294	32mm x 800mm Long PVC Collapsed Waste Pipe	Each	55.33
295	15mmx300mm PVC connection pipe	Each	57.42
296	15mmx450mm PVC connection pipe	Each	70.86
297	15mmx600mm PVC connection pipe	Each	81.82
298	32 mm PVC long flush bend	Each	89.52
	PT MT(PolyTetra Methylene Terephthalate) Bath Assets		

Sl. No.	Name of items	Unit	Rate (in Rs.)
299	15 mm Short body bib cock	Each	163.65
300	15 mm bib cock fancy with flange	Each	241.16
301	15 mm Long body bib cock	Each	280.84
302	15 mm Long body bib cock with foam flow	Each	296.37
303	20 mm standard bib cock	Each	278.62
304	15 mm Pillar cock	Each	263.22
305	15 mm angle cock	Each	207.89
306	15 mm conceal stop cock	Each	245.60
307	20 mm conceal stop cock	Each	267.66
308	15 mm conceal stop cock with brass body	Each	486.63
309	20 mm conceal stop cock with brass body	Each	508.82
310	100mm dia Round Grating	Each	46.46
311	125mm dia Round Grating Doom	Each	70.86
312	125mm dia Round Grating Doom with waste Hole	Each	70.86
313	140mm dia Round Grating	Each	86.26
314	15mm dia Swiveling Shower	Each	167.17
315	Over Head Shower Round 3"	Each	216.11
316	Hand shower (1.5 l RM Tube) with Hook	Each	405.72
317	Shower Arm 225 mm with Flange Round	Each	116.28
318	Shower Arm 225 mm with Flange Square	Each	150.86
319	Two in one Health Faucet with 1.0 l RM Tube with Hook.	Each	395.55
320	Two in one Health Faucet with 1.5 l RM Tube with Hook.	Each	456.75
321	Towel Rail 18"	Each	331.86
322	Towel Rail 24"	Each	402.59
323	Corner Shelf	Each	298.58
324	Soap dish /Oval	Each	199.14
325	Towel Ring	Each	205.67
326	Toilet Paper Holder	Each	170.30
327	32mm dia waste Coupling (H/T)	Each	88.48
328	32mm dia waste Coupling (F/T)	Each	88.48
329	32mm dia Urinal waste Coupling	Each	108.32
330	40 mm dia waste Coupling (F/T)	Each	121.63
331	2 way bib Cock 15mm	Each	440.18
332	2 way Angle Cock 15mm	Each	378.32
333	Towel Rack	Each	1371.42
334	Bath Room Mirror 600 x 600 mm	Each	1393.48
335	Mirror Cabinet(350mm x 450mm)	Each	2499.47
336	15 mm Ball Cock with Rod & Ball	Each	263.22
337	20 mm Ball Cock with Rod & Ball	Each	387.06
338	25 mm Ball Cock with Rod & Ball	Each	725.58
339	32 mm Ball Cock with Rod & Ball	Each	979.92
340	40 mm Ball Cock with Rod & Ball	Each	1214.30
341	50 mm Ball Cock with Rod & Ball	Each	1791.63
342	Teflon Tape	Each	28.84

Sl. No.	Name of items	Unit	Rate (in Rs.)
343	UPVC BALL VALVE Sch-80(Plastic Ball)		
i	15 mm dia	Each	180.74
ii	20 mm dia	Each	251.21
iii	25 mm dia	Each	332.12
iv	32 mm dia	Each	560.76
v	40 mm dia	Each	827.76
vi	50 mm dia	Each	1172.15
vii	65 mm dia	Each	3091.15
viii	80 mm dia	Each	5261.24
ix	100 mm dia	Each	9033.21
344	UPVC BALL VALVE Sch-80 (Solvent Welded with Metal Ball)		
i	15 mm dia	Each	332.25
ii	20 mm dia	Each	408.20
iii	25 mm dia	Each	577.59
iv	32 mm dia	Each	1196.03
v	40 mm dia	Each	1597.97
vi	50 mm dia	Each	2662.72
345	CPVC Pipes As per IS 15778:2007		
	SDR 11		
i	15 mm dia	1 RM	85.48
ii	20 mm dia	1 RM	125.54
iii	25 mm dia	1 RM	192.75
iv	32 mm dia	1 RM	298.98
v	40 mm dia	1 RM	408.07
vi	50 mm dia	1 RM	680.43
346	3 layer PP-R (Poly propylene Random copolymer) pipes conforming to IS:15801		
i	16 mm dia	1 RM	37.06
ii	20mm dia	1 RM	104.79
iii	25mm dia	1 RM	161.95
iv	32mm dia	1 RM	260.22
v	40mm dia	1 RM	390.46
vi	50mm dia	1 RM	611.65
vii	63mm dia	1 RM	942.34
viii	75mm dia	1 RM	1378.47
ix	90mm dia	1 RM	1955.80
x	110 mm dia	1 RM	2904.15
xi	160 mm dia	1 RM	8298.63
347	STONE WARE Pipe		
i	100 mm dia (0.601 RM)	1 RM	180.61
ii	150 mm dia (0.601 RM)	1 RM	265.44
iii	200 mm dia (0.601 RM)	1 RM	525.39
iv	225 mm dia (0.601 RM)	1 RM	635.93

Sl. No.	Name of items	Unit	Rate (in Rs.)
v	250 mm dia (0.601 RM)	1 RM	737.19
vi	300 mm dia (0.601 RM)	1 RM	1006.42
348	C.I Hubless Pipes and fittings conforming to IS 15905	1 RM.	
349	50mm dia 1800mm long C.I Hubless Pipe (New Item)	1 RM.	683.40
350	75mm dia 1800mm long C.I Hubless Pipe (New Item)	1 RM.	715.20
351	100mm dia 1800mm long C.I Hubless Pipe (New Item)	1 RM.	873.40
352	150mm dia 1800mm long C.I Hubless Pipe (New Item)	1 RM.	1493.60
353	50mm dia Plain Bend (New Item)	Each	109.20
354	75mm dia Plain Bend (New Item)	Each	232.70
355	100mm dia Plain Bend (New Item)	Each	342.00
356	150mm dia Plain Bend(New Item)	Each	760.00
357	75mm dia Door Bend(New Item)	Each	299.20
358	100mm dia Door Bend(New Item)	Each	522.50
359	150mm dia Door Bend(New Item)	Each	1054.50
360	100mm dia Single Branch Plain Y 45 degree(New Item)	Each	570.00
361	150mm dia Single Branch Plain Y 45 degree(New Item)	Each	1705.20
362	100mm dia Single Branch Door Y 45 degree(New Item)	Each	874.00
363	150mm dia Single Branch Door Y 45 degree(New Item)	Each	2204.00
364	100mm dia Double Branch Plain Y 45 degree(New Item)	Each	931.00
365	150mm dia Double Branch Plain Y 45 degree(New Item)	Each	2052.00
366	100mm dia Double Branch Plain T 88 degree(New Item)	Each	760.00
367	100mm dia Single Branch Doo T(New Item)	Each	688.70
368	150mm dia Single Branch Door T(New Item)	Each	2204.00
369	100mm dia Offset 65mm(New Item)	Each	389.50
370	150mm dia Offset 65mm(New Item)	Each	508.20
371	100mm dia Vent Cowel(New Item)	Each	408.50
372	150mm dia Vent Cowel(New Item)	Each	883.50
373	100mm dia End Plug(New Item)	Each	137.70
374	150mm dia End Plug(New Item)	Each	356.20
375	50mm dia Shielded (SS-304) Coupling (New Item)	Each	356.20
376	75mm dia Shielded (SS-304) Coupling (New Item)	Each	375.20
377	100mm dia Shielded (SS-304) Coupling (New Item)	Each	413.20
378	150mm dia Shielded (SS-304) Coupling (New Item)	Each	660.20
379	100mm dia P-Trap(New Item)	Each	798.00
380	150mm dia P-Trap(New Item)	Each	1615.00
381	W.C. Connector (Push Fit)(New Item)	Each	560.50
382	200x200mm Square Man Hole Cover -3.5 kg(New Item)	Each	418.00
383	225x225mm Square Man Hole Cover -4.0 kg(New Item)	Each	456.00
384	250x250mm Square Man Hole Cover -5.0 kg(New Item)	Each	555.70
385	300x300mm Square Man Hole Cover -7.0 kg(New Item)	Each	764.70
386	375x375mm Square Man Hole Cover -12.0 kg(New Item)	Each	1220.70
387	400x400mm Square Man Hole Cover -14.0 kg(New Item)	Each	1577.00
388	450x450mm Square Man Hole Cover -16.0 kg(New Item)	Each	1676.70
389	450x450mm Square Man Hole Cover -30.0 kg(New Item)	Each	3092.20
390	450x450mm Square Man Hole Cover -50.0 kg(New Item)	Each	5001.70

Sl. No.	Name of items	Unit	Rate (in Rs.)
391	500x500mm Square Man Hole Cover -22.0 kg(New Item)	Each	2313.20
392	Precast Re -inforced Concrete Pipes suitable for collar joint, Class NP-2 conforming to IS.No. 458/2003 with amendment No.1		
i	100 mm dia	1 RM	195.64
ii	150 mm dia	1 RM	272.34
iii	200 mm dia	1 RM	337.93
iv	250 mm dia	1 RM	401.29
v	300 mm dia	1 RM	521.34
vi	350 mm dia	1 RM	600.26
vii	400 mm dia	1 RM	656.96
viii	450 mm dia	1 RM	795.91
ix	500 mm dia	1 RM	899.28
x	600 mm dia	1 RM	1263.89
xi	700 mm dia	1 RM	1645.17
xii	800 mm dia	1 RM	2000.88
xiii	900 mm dia	1 RM	2524.44
xiv	1000 mm dia	1 RM	3032.44
xv	1100 mm dia	1 RM	3467.08
xvi	1200 mm dia	1 RM	3980.64
393	Re -inforced Concrete Collars Suitable for pipes of Class NP-2 conforming to IS.No. 458/2003 with amendment No.1		
i	100 mm dia	Each	64.47
ii	150 mm dia	Each	75.59
iii	200 mm dia	Each	85.59
iv	250 mm dia	Each	106.71
v	300 mm dia	Each	132.28
vi	350 mm dia	Each	147.84
vii	400 mm dia	Each	158.96
viii	450 mm dia	Each	203.42
ix	500 mm dia	Each	238.99
x	600 mm dia	Each	291.24
xi	700 mm dia	Each	369.05
xii	800 mm dia	Each	479.10
xiii	900 mm dia	Each	571.36
xiv	1000 mm dia	Each	673.63
xv	1100 mm dia	Each	803.69
xvi	1200 mm dia	Each	958.20
394	Precast Re -inforced Concrete Pipes suitable for Flush joint, Class NP-3 conforming to IS.No. 458/2003 with amendment No.1		
i	100 mm dia	1 RM	187.86
ii	150 mm dia	1 RM	293.46
iii	200 mm dia	1 RM	425.74

Sl. No.	Name of items	Unit	Rate (in Rs.)
iv	250 mm dia	1 RM	528.01
v	300 mm dia	1 RM	815.91
vi	350 mm dia	1 RM	1236.10
vii	400 mm dia	1 RM	1431.74
viii	450 mm dia	1 RM	1578.47
ix	500 mm dia	1 RM	1791.90
x	600 mm dia	1 RM	2401.06
xi	700 mm dia	1 RM	2963.53
xii	800 mm dia	1 RM	3736.09
xiii	900 mm dia	1 RM	4644.26
xiv	1000 mm dia	1 RM	5665.83
xv	1100 mm dia	1 RM	6495.08
xvi	1200 mm dia	1 RM	7416.60
395	Precast Re -inforced Concrete Pipes suitable for Flush joint, Class NP-4 conforming to IS.No. 458/2003 with amendment No.1		
i	100 mm dia	1 RM	235.66
ii	150 mm dia	1 RM	331.26
iii	200 mm dia	1 RM	493.55
iv	250 mm dia	1 RM	626.94
v	300 mm dia	1 RM	865.94
vi	350 mm dia	1 RM	1439.52
vii	400 mm dia	1 RM	1585.14
viii	450 mm dia	1 RM	1761.89
ix	500 mm dia	1 RM	2035.34
x	600 mm dia	1 RM	2934.62
xi	700 mm dia	1 RM	3799.45
xii	800 mm dia	1 RM	4811.00
xiii	900 mm dia	1 RM	5740.30
xiv	1000 mm dia	1 RM	7279.87
xv	1100 mm dia	1 RM	8400.36
xvi	1200 mm dia	1 RM	9637.57
396	Precast Re -inforced Concrete Pipes of Class - NP-2 suitable for Spigot & Socket Joint conforming to Specification		
i	100 mm dia (1.93m effective length)	Each	603.17
ii	150 mm dia (1.93m effective length)	Each	719.19
iii	200 mm dia (1.93m effective length)	Each	858.43
iv	250 mm dia (2.43m effective length)	Each	1188.99
v	300 mm dia (2.423m effective length)	Each	1653.04
vi	350 mm dia (2.423m effective length)	Each	1914.04
397	Precast Re -inforced Concrete Pipes of Class - NP-3 suitable for Spigot & Socket Joint conforming to Specification		
i	100 mm dia (1.93m effective length)	Each	638.01
ii	150 mm dia (1.93m effective length)	Each	777.26

Sl. No.	Name of items	Unit	Rate (in Rs.)
iii	200 mm dia (1.917m effective length)	Each	986.06
iv	250 mm dia (2.417m effective length)	Each	1426.76
v	300 mm dia (2.41m effective length)	Each	2088.00
vi	350 mm dia (2.38m effective length)	Each	3654.00
vii	400 mm dia (2.38m effective length)	Each	4059.99
viii	450 mm dia (2.38m effective length)	Each	4524.04
ix	500 mm dia (2.38m effective length)	Each	5075.01
x	600 mm dia (2.35m effective length)	Each	6496.03
xi	700 mm dia (2.35m effective length)	Each	7737.21
xii	800 mm dia (2.35m effective length)	Each	9848.44
xiii	900 mm dia (2.35m effective length)	Each	11251.97
398	Rubber Ring for RCC Hume Pipe(NP-2 & NP-3) Spigot & Socket Joint Pipes.		
i	100 mm dia	Each	40.59
ii	150 mm dia	Each	46.46
iii	200 mm dia	Each	52.20
iv	250 mm dia	Each	57.94
v	300 mm dia	Each	69.56
vi	350 mm dia	Each	92.79
vii	400 mm dia	Each	156.60
viii	450 mm dia	Each	197.19
ix	500 mm dia	Each	232.03
x	600 mm dia	Each	278.36
xi	700 mm dia	Each	377.01
xii	800 mm dia	Each	434.96
xiii	900 mm dia	Each	556.84
399	Oxygen(As per Market Rate)	Kg	48.99
400	Dimethelene Acetylene Gas(As per Market rate)	Kg	98.26
401	Electrode(aAs per Market Rate)	Pkt	700.00

1.7 Guiding Principles for PH Materials and Items of Works

The schedule of rates 2022 has been finalised taking into account the following consideration.

1. Labour and material rates, hire charges of equipments and machineries etc are to be adopted as per latest SOR of Works Department for civil item of works.
2. The rates of materials like PVC Pipes and R.C.C pipes are based on prevailing rate concluded by EP&M rate contract for PH materials and subject to variation from time to time depending on the price variation clause of rate contract.
3. The rate of D.I Pipes, M.S Pipes, C.I Pipes, G.I Pipes are being considered taking the lowest one among the Wholesale Price Index (WPI) and the prevailing market rate. The Wholesale Price Index (WPI) of all Commodities declared by the Economic Adviser, Ministry of commerce and industries for the month of November 2017 was 116.40 and for the month of March 2022 was 148.9, thus the increase in Wholesale Price Index (WPI) is 27.92 %, which has been considered, being lowest one.
4. In case of store items for which EP&M rate contract exist, the rates concluded by Director of Export Promotion and Marketing (EP&M) will prevail as per industrial policy of Government of Odisha.
5. The items not covered under EP&M rate Contract but indicated in the list of materials are derived basing on earlier SOR -2017 with addition of increase in Wholesale Price Index (WPI) 116.40 to 148.90 i.e., 27.92%.
6. The Lump Sum provision of rates against certain items indicated in schedule of rates is taken, being derived from SOR-2017, taking materials and Labour component @70% and 30% respectively. For material component of 70%, the increase in Wholesale Price Index (WPI) i.e 30.50% as stated above and the labour component, the increase in labour rate as per Labour Commissioner, Odisha (from 2017 to till date) i.e 62.63%.
7. Some extra items as per requirement have been considered in this SOR, for which rates are taken as per prevailing market rates & practical observations.
8. The Public Health Engineering Analysis of rates 2013 has been used for determination of rates for various items of P.H. works.

Note-

1. All the rates proposed in this draft SOR excluding Lump sum item rates are exclusive of GST & conveyance etc as applicable, as per Government Notification from time to time.
2. All the rates under Lump Sum items are inclusive of overhead charges, Contractor's profit and labour welfare cess but excluding GST as per Government Notification from time to time.

CHAPTER 2

RATES OF LABOUR

Chapter – 2 RATES OF LABOUR

Sl. No	DESCRIPTION	UNIT	RATE in Rs.
1	2	3	4
2.1	Category Unskilled		
1	Male mulia	Per day	333.00
2	Female mulia	Per day	333.00
3	Survey Khalasi/ Chain man	Per day	333.00
4	Scavanger	Per day	333.00
2.2	Category Semi skilled		
1	Mulia working in water or arduous nature of work	Per day	373.00
2	Night mulia or attendant working in flood and other emergent work	Per day	373.00
3	Mulia for handling hot binder and Tar boiler men	Per day	373.00
4	Sangi mulia	Per day	373.00
5	Pile driving mate(Guide man)	Per day	373.00
6	Mate	Per day	373.00
7	Helper to carpenter or Blacksmith/ Painter/ Blaster/ Plumber/ Electrician/ Fitter/ Welder	Per day	373.00
8	Hammer man	Per day	373.00
9	Thatcher/ Gharami	Per day	373.00
10	Tile turner	Per day	373.00
11	Boat man	Per day	373.00
12	Bhisti	Per day	373.00
13	Well sinker	Per day	373.00
14	Rod binder and bender	Per day	373.00
15	Cleaner/ Sweeper	Per day	373.00
16	Stone packer	Per day	373.00
17	Pump helper	Per day	373.00
18	Watch man(Store)/Gurkha / Security Guard	Per day	373.00
19	Bellow man	Per day	373.00
2.3	Category Skilled		
1	Blaster (Second Class)	Per day	423.00
2	Mason (Second Class)	Per day	423.00
3	Carpenter(Second Class)	Per day	423.00
4	Blacksmith(Second Class)	Per day	423.00
5	Fitter(Second Class)	Per day	423.00
6	Painter/ Polisher(Second Class)	Per day	423.00
7	Welder(Second Class)	Per day	423.00

Sl. No	DESCRIPTION	UNIT	RATE in Rs.
1	2	3	4
8	Plumber(Second Class)	Per day	423.00
9	Driller (Second Class)	Per day	423.00
10	Stone dresser/ Cutter(Second Class)	Per day	423.00
11	Cobbler with Tolls (Second Class)	Per day	423.00
12	Wire man/ Lift operator / Diesel	Per day	423.00
	pump driver/ Telephone operator		
	(Second class)		
13	Boring Mistry/ Pipe driver	Per day	423.00
14	Electrician/ Rigger/ Line mar/	Per day	423.00
	Telephone attendant		
15	Gardener	Per day	423.00
16	Amin	Per day	423.00
17	Tracer	Per day	423.00
18	Jr. progress recorder	Per day	423.00
19	Store keeper Gr.- IV Store Asst./	Per day	423.00
	Account clerk/ Clerk/ Typist/		
	Tool keeper/ Time keeper/ Munsif		
2.4	Category Highly Skilled		
1	Blaster (licensed)	Per day	483.00
2	Mason (special)	Per day	483.00
3	Carpenter(special)	Per day	483.00
4	Blacksmith(special)	Per day	483.00
5	Fitter(special)	Per day	483.00
6	Painter/ Polisher(special)	Per day	483.00
7	Welder(special)	Per day	483.00
8	Plumber(special)	Per day	483.00
9	Driller (Special)	Per day	483.00
10	Stone dresser/ Cutter(special)	Per day	483.00
11	Diver for well sinking in bridge (per shift of four hours.)	Per day	483.00

Sl. No	DESCRIPTION	UNIT	RATE in Rs.
1	2	3	4
12	Electrician/ Air conditioned plant operator/ wire man/ Lift operator/ Diesel pump operator (special).	Per day	483.00
13	Jeep driver/ Tractor driver / Truck driver / Dozer driver / Roller driver /Concrete mixture operator / Crane operator	Per day	483.00
14	Auto electrician	Per day	483.00
15	Guiniting Machine operator	Per day	483.00
16	Senior Accountant / Stenographer	Per day	483.00
17	Supervisor / Manager	Per day	483.00
18	Testing Laboratory Assistant / Instrument Mechanic/ Telephone Mechanic.	Per day	483.00
19	Rigger and Cobbler with Tools Driver (Heavy Vehicle)	Per day	483.00

NOTES:

1. Labour rates for un-skilled, Semi-skilled, Skilled and Highly skilled are to be fixed from time to time by Labour and ESI Department under Minimum Wages Act shall prevail in respect of any category what so ever. Above rates are fixed similar to corresponding minimum wages for unskilled/ semiskilled/skilled/ highly skilled category as per Labour and ESI Department Notification No.5639 dtd. 02.11.2021.
2. The rates for above four categories of labour are inclusive of weekly day 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.)
2.5.	Other Category		
	(Not covered by the Notification of Labour & ESI Department).		
1	Boring Mistry (Special)	Per Day	483.00
2	Winch operator	Per Day	483.00
3	Well Sinker (Special)	Per Day	483.00
4	Helper to Well Sinker	Per Day	423.00
5	Computer Programmer	Per Month	16493.00
6	Data Entry Operator	Per Month	12690.00
7	Helper to operator of Heavy construction Machineries	Per Month	11781.00
8	Mechanic for Heavy construction Machineries	Per Month	14137.00
9	Helper to mechanic for heavy construction Machineries	Per Month	11781.00
10	Operator for Heavy construction Machineries	Per Month	14137.00
11	Junior Research Assistant (Technical Assistant)	Per Month	12690.00

NOTE:

1. For item no. 5 to 11, the amount mentioned above is inclusive of the ESI/EPF dues of the Employer's share wherever applicable.

CHAPTER 3

RATES FOR CONVEYANCE OF MATERIALS

Chapter – 3

RATES FOR CONVEYANCE OF MATERIALS

3.1 Conveyance of Materials by Ten Tonne Trucks including loading & unloading.

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	276.01	1728.20	266.89	247.87	2401.81
Every extra KM beyond 5 KM and up to 50 Km	13.02	58.91	11.89	11.89	60.48
Every extra KM beyond 50 KM	9.20	47.39	10.10	10.10	47.39

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

3.2 Loading into Trucks and Unloading from trucks (within 50 m lead) including

Sl. No	Details of materials	Unit	Proposed Rate (in Rs.)
1	Rough stone, metal, khoa, chips, sand, surki, quarry rubbish, moorum, laterite stone, washed gravel, & earth etc.	1 Cum	175.38
2	Iron, grills, cement, Bitumen, A.C sheet, GCI Sheet ,Coke,coal lime etc	1 qtl.	24.42
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	994.56
4	Bulky material such as a) Hume pipes & furnitures	1 truck load	1356.42
	b) Heavy machineries such as compressors ,concrete mixer, hotmix plant etc.	1 truck load	1616.16

- 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

3.3 Carriage by Bullock Cart including loading and unloading

Sl. No	Distance to be carried.	Unit	Proposed Rate (in Rs.)
1	First KM	1 cart load	148.74
2	Subsequent KM	1 cart load	75.48

3.4 Unloading from Railway wagon and loading into trucks

Sl. No	Details of materials.	Unit	Proposed 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.	3.55
	b) Steel, A.C sheet, GCI Sheet , etc	1 Qtl.	12.88
2	Removing from railway platform and loading into trucks a) Cement, Bitumen, coal, paint etc	1 Qtl.	3.55
	b) Steel, A.C sheet, GCI Sheet , etc	1 Qtl.	12.88

3.5 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.C sheet, 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 1 RM.	73.26	18.43
2	Beyond 50 1 RM and upto 100 1 RM	84.36	27.53
3	Beyond 100 1 RM and upto 150 1 RM	111.00	39.96

3.6 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= 400nos 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 i)Up to 5 KM. ii)Every extra KM beyond 5.00 Km and upto 16 KM iii)Every extra KM beyond 16 KM	108.78 11.54 5.77	621.60 54.83 39.96	18.65 1.55 1.33
B) In canal i)Up to 5 KM. ii)every extra KM beyond 5.00 Km and upto 16 KM iii)every extra KM beyond 16 KM	75.48 12.88 5.77	545.01 46.18 35.52	15.54 2.00 1.55

3.7 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	180.00 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.

3.8 Head Loads

Sl.No.	Description of Items	Capacity
1	2	3
1	Each head load of straw	1 bundle of 1.5 1 RM. in girth
2	Each bhar load of straw	2 bundle of 1.5 1 RM. 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

3.9 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	30 nos	22 nos
	400mm x 200 mm x 200 mm	40 nos	30 nos
	400mm x 150 mm x 200 mm	60 nos	45 nos
	400mm x 100 mm x 200 mm	55 nos	41 nos
	300mm x 200 mm x 150 mm	73 nos	55 nos
	300 mmx 150 mmx150 mm	110 nos	82 nos
7	Pan tiles	1000 nos	800 nos
8	Flat tiles		
i) ii) iii)	15cmx15cmx1.25cm	2000 nos	1600 nos
	30cmx15cmx2.5cm	500 nos	400 nos
	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 4

HIRE CHARGES OF PLANTS AND MAHINERIES

Chapter – 4
HIRE CHARGES OF PLANTS AND MATERIALS
(Excluding GST)

Sl. No.	DESCRIPTIONS		Output	USAGE RATES IN RS	
	Machine	Activity		Unit	Rate (in Rs.)
1	Dozer D-50 -A 15	Spreading	200cum/hour	per hour	2834.00
		Cutting	100cum/hour	per hour	
		Cleaning	150cum/hour	per hour	
2	Dozer D-80-A 12	Spreading	300cum/hour	per hour	3898.96
		Cutting	150cum/hour	per hour	
		Cleaning	250cum/hour	per hour	
3	Motor Grader 3.35meter blade	Clearing	200cum/hour	per hour	2391.39
		Spreading	200cum/hour	per hour	
		GSB	50cum/hour	per hour	
		WMM	50cum/hour	per hour	
4	Tractor with ordinary grader			per hour	447.31
5	Hydraulic Excavator of 1cum bucket	Soil ordinary	60cum/hour	per hour	1300.16
		Soil Marshy	60cum/hour	per hour	
		Soil unsuitable	60cum/hour	per hour	
6	Hydraulic Excavator of 2cum bucket	Soil		per hour	2891.34
7	Front End loader 1 cum bucket capacity	Soil loading	60cum/hour	per hour	804.86
		Aggregate loading	25cum/hour	per hour	
8	Tipper-5.5cum	Transportation of soil, GSB, WMM, Hotmix etc.	5.5cum	per km.	37.15
				per tonne.km	3.86
				per hour	900.84
				per hour	900.84

Sl. No.	DESCRIPTIONS		USAGE RATES IN RS		
	Machine	Activity	Output	Unit	Rate (in Rs.)
9	Vibratory Roller 8-10 tonne	Earth/soil	100cum/hour	per hour	1538.54
		GSB	60cum/hour	per hour	
		WMM	60cum/hour	per hour	
10	Smooth wheeled Roller 8 - 10 tonne	Soil compaction	70cum/hour	per hour	524.70
		BM compaction	25cum/hour	per hour	
11	Sheep foot Roller	Soil compaction		per hour	100.60
12	Truck mounted water tanker	Water transport	6KL	per hour	900.84
13	Tractor	Pulling	50HP	per hour	357.55
14	Rotavator	Mixing	25cum/hour	per hour	16.00
15	Ripper	Scarifying	60cum/hour	per hour	21.00
16	Air Compressor	General purpose	170/250cfm	per hour	585.00
17	Diesel Compressor		400cfm	per hour	1324.94
18	Diesel Compressor		300cfm	per hour	1039.82
19	Electrical Compressor		500cfm	per hour	769.26
20	Wet Mix Plant 60 TPH	Wet Mix	25cum/hour	per hour	1400.00
21	Wet Mix Plant 75 TPH	Wet Mix	34cum/hour	per hour	1700.00
22	Mechanical broom hydraulic	Surface cleaning	1250sqm/hour	per hour	356.00
23	Bitumen pressure distributor	Applying bitumen tack coat	1750sqm/hour	per hour	1071.10
24	Emulsion pressure distributor	Applying emulsion tack coat	1750sqm/hour	per hour	798.68

Sl. No.	DESCRIPTIONS		USAGE RATES IN RS		
	Machine	Activity	Output	Unit	Rate (in Rs.)
25	Hotmix plant -120 TPH	DBM/BM/SDC/ Premix	40cum/hour	per hour	23372.17
26	Hotmix plant -100 TPH	DBM/BM/SDC/ Premix	30cum/hour	per hour	17284.56
27	Hotmix plant -60 to 90TPH	DBM/BM/SDC/ Premix	25cum/hour	per hour	13822.09
28	Hotmix plant -40 to 60TPH	DBM/BM/SDC/ Premix	17cum/hour	per hour	11066.95
29	Hotmix plant -8 to 10TPH	Premix	cum/hour	per hour	1586.51
30	Paver Finisher Hydrostatic with sensor control 100 TPH	Paving of DBM /BM /SDC/Premix	40cum/hour	per hour	1724.97
31	Paver Finisher Mechanical 100 TPH	Paving of WMM/PMC	40cum/hour	per hour	1143.90
		Paving of DLC	30cum/hour	per hour	
32	Paver Finisher Mechanical	Paving of DLC	75cum/hour	per hour	1816.61
33	Hydraulic Chips Spreader	Surface Dressing	1500sqm/hour	per hour	1480.62
34	Tandem Road Roller	Rolling of Asphalt surface	30cum/hour	per hour	1142.30
35	Pneumatic Road Roller	Rolling of Asphalt surface	25cum/hour	per hour	1026.27
36	Pot hole repair machine	Repair of pot holes	4cum/hour	per hour	632.92
37	Bitumen boiler oil fired	Bitumen spraying	1500Litre	per hour	198.11
38	Tar boiler	Bitumen spraying		per hour	114.54
39	GSB Plant 50 cum	Producing GSB	40cum/hour	per hour	1037.04
40	Mastic Cooker	Mastic Wearing Coat	1tonne	per hour	2454.85
41	Batching and Mixing plant 15-20cum	Concrete Mixing	13cum/hour	per hour	1836.26
42	Batching and Mixing plant 30cum	Concrete Mixing	20cum/hour	per hour	2144.23
43	Batching and Mixing plant 112.5cum	Concrete Mixing	75cum/hour	per hour	3421.29

Sl. No.	DESCRIPTIONS		Output	USAGE RATES IN RS	
	Machine	Activity		Unit	Rate (in Rs.)
44	Batching and Mixing plant 262.5cum	Concrete Mixing	175cum/hour	per hour	8791.61
45	Transit Mixer	Transportation of concrete mix to site	4.5cum/hour	per hour	928.64
			3cum/hour	per hour	851.25
46	Grout pump			per hour	500.00
47	Concrete pump of 45 & 30 cum	Pumping Concrete	33cum/hour	per hour	1278.00
48	Pump with 5HP diesel engine	Pumping of Water		per hour	200.70
49	Pump with 10HP diesel engine	Pumping of Water		per hour	295.39
50	Pump with 20HP diesel engine	Pumping of Water		per hour	480.00
51	Pump with 40HP diesel engine	Pumping of Water		per hour	720.00
52	Pump with 40HP electrical			per hour	580.00
53	Pump with 50HP electrical			per hour	630.00
54	Cranes 80 tonnes	Lifting purpose		per hour	1276.95
55	Cranes 35 tonnes	Lifting purpose		per hour	1051.30
56	Cranes 3 tonnes	Lifting purpose		per hour	560.00
57	Crawler mounted Crane (18T)	Lifting purpose		per hour	2065.94
58	Tower Crane	Lifting purpose		per hour	837.12
59	Welding transformer	Welding		per hour	160.00
60	Gunning machine without compressor			per hour	180.00
61	Mechanical Winch (10T)			per hour	208.52
62	Power Winch (40HP)			per hour	600.00
63	Concrete Bucket	For pouring concrete	1cum	per hour	60.00

Sl. No.	DESCRIPTIONS		Output	USAGE RATES IN RS	
	Machine	Activity		Unit	Rate (in Rs.)
64	Kerb casting machine	Kerb making	80RM/hour	per hour	309.55
65	Concrete Mixer a)04/0.28 cum	Concrete Mixing	2.5cum/hour	per hour	229.55
	b)01cum		7.5cum/hour		
66	Vibrator (3HP diesel)	Compacting Concrete		per hour	153.23
67	Piling Rig with Bantonite Pump	0.75m dia to 1.2m dia Boring Attachment	2 to 3RM/hour	per hour	4369.18
68	Concrete Paver Finisher with 40HP Motor	Paving of Concrete Surface	20cum/hour	per hour	2863.48
69	Integrated stone crusher	Crushing of Spalls	100TPH	per hour	8280.58
		Crushing of Spalls	200TPH	per hour	16561.16
70	Stone crusher (electrical)	Crushing of Spalls		per hour	400.00
71	Crushing & processing plant (electrical)			per hour	436.17
72	Concrete Paver Finisher with 40HP Motor	Paving of Concrete Surface	175cum/hour	per hour	25056.20
73	Prestressing Jack with Pump & Access	Stressing of Steel Wires/Stand		per hour	360.00
74	Generator 100KVA	Generation of Electric Energy	100KVA	per hour	1052.42
75	Generator 250KVA	Generation of Electric Energy	100KVA	per hour	1600.00
76	Generator 33KVA	Generation of Electric Energy	50KVA	per hour	700.00
77	Generator 40KVA	Generation of Electric Energy	KVA	per hour	780.00
78	Generator 125KVA	Generation of Electric Energy	KVA	per hour	1341.16
79	Pneumatic Sinking Plant	Pneumatic Sinking of wells	1.5 to 2.0 cum/hour	per hour	3800.00
80	Truck 5.5cum per 10 tonnes	Material Transport	4.5cum	Per Km.	30.95
				per tonne.km	3.10

Sl. No.	DESCRIPTIONS			USAGE RATES IN RS	
	Machine	Activity	Output	Unit	Rate (in Rs.)
				per hour	862.19
81	Road Marking machine	Road marking	100sqm/hour	per hour	300.00
82	Mobile Slurry Seal Equipment	Mixing and laying slurry seal	2700sqm/hour	per hour	960.00
83	Wagon drill			per hour	1250.18
84	Dimond drill			per hour	500.00
85	Inwell rings			per hour	160.00
86	Jack hammer			per hour	47.61
87	Pneumatic rammer			per hour	66.19
88	Pusher leg			per hour	18.60

CHAPTER 5

EARTH WORK

Chapter – 5

EARTH WORK

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. Ordinary Soil – Light black cotton, Sandy earth, sandy loam, dry silt, fragile, red earth, soft earth and soft moorum.
2. Hard soil – Hard stiff clay, stiff black cotton, hard red earth, shales, moorum ordinary gravels.
3. Stoney Earth – Earth mixed with gravel and boulders not exceeding 0.014 Cum. in volume
4. Slushy soil – A soil having the characteristic of liquid mud with negligible bearing capacity which can be removed with the aid of pans and vessels only.
5. For excavation of foundation including dressing and leveling the bed and depositing the soil with initial lead of 50m. and initial lift of 1.5m add extra 20 per cent over the respective rates of earth work in excavation.
6. Dewatering during excavation to be paid as per actuals.
7. The rate for extra lead and lift for blasted stone work will be double of the respective rate of leads and lifts for earth work.
8. In the event of any difference in opinion regarding classification of soil the decision of the Engineer-in-Charge (E.E.) is final and binding.
9. 10% excess on the above rates will be allowed on the works being executed in side jail premises

CHAPTER 6

SPECIAL ITEMS FOR IRRIGATION WORKS

Chapter – 6

SPECIAL ITEMS FOR IRRIGATION WORKS

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. Rate of any other item for dam construction will be adopted as specified in other chapters of this Schedule of Rates 2022.

CHAPTER 7

CONCRETE

Chapter – 7 CONCRETE

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. If more than 15 per cent of plums are used in cement concrete similar analysis based on the respective percentage of plums is to be worked out.
2. If variation of size and nature of metal or stone is involved due to change in specification of items, the difference in cost of such metal or stone should be taken into consideration and rate arrived at.
3. If stone lime is used in the work add difference in cost of lime to the respective item of works.
4. The rates have been arrived using hand broken metals and chips and if crusher broken metal and chips are used the difference in cost should be added to arrive at the finished rates.
5. For C.C. work in 1st floor and subsequent upper floor add 15 per cent extra labour over and above the rates from the next lower floor.
6. For cement concrete work below ground level beyond 1.5m and upto 4.5m depth add 15 per cent extra labour over and above the rates of the respective items for lowering the materials.
7. For cement concrete work below ground level beyond 4.5m and upto 7.5 m depth add 20 per cent extra labour over and above the rates of the respective items for lowering the materials.
8. 10 per cent excess on the above rates will be allowed on the works bring executed in jail premises.

CHAPTER 8

R.C.C WORK

Chapter – 8

R.C.C WORK

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. For centering and shuttering for R.C.C. work (in floor and roof slab, Landings, Balconies, projecting sunshades, Chajja, Stairs Plinth band, footings , base of columns, precast slab, beams and columns, Lintels R.C.C. Walls and Fins) in first floor and subsequent upper floors add 20 per cent extra to the rate of respective centering and shuttering items over and above the rates from the next lower floor.
2. For R.C.C. work in 1st floor or any additional floor add 15 per cent extra labour over and above the rate of next lower floor for lifting of concrete etc.
3. For Reinforcement work in 1st floor or any additional floor add 5 per cent extra labour over and above the rate of next lower floor.
4. The rates of R.C.C. items (except item No. 3, 4 , 5,6,7&8) have been arrived using hand broken chips and if crusher broken chips are used the difference in cost should be added to arrive at the finished rates.
5. For R.C.C. and reinforcement works below ground level beyond 1.5m and upto 4.5m depth add 15 per cent extra labour over and above the rates of the respective items for lowering the materials.
6. For R.C.C. and reinforcement works below ground level beyond 4.5m and upto 7.5m depth add 20 per cent extra labour over and above the rates of the respective items for lowering the materials.
7. For centering and shuttering work below ground level beyond 1.5m and upto 7.5m depth add 20 per cent extra labour over and above the rates of the respective items for lowering the materials.
8. For R.C.C. work in shell roof add 25 per cent extra labour over and above the rate for lifting and laying concrete.
9. For R.C.C work in sloped roof add 10 per cent extra labour (on labour calculated for the floor) over and above the rate for lifting and laying concrete.
10. For R.C.C. work in pergola add 10 per cent extra labour over and above the rate of next lower floor for lifting and laying concrete.

11. The under reamed diameter in pile foundation has been assumed as 2.5 times the stem diameter.
12. 10 per cent excess on the above rates will be allowed for the works being executed inside jail premises.

CHAPTER 9

R.B WORK

Chapter – 9

R.B WORK

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. For R.B. work in 1st floor and subsequent floors add 15 per cent extra labour over and above the rates of the next lower floor.
2. For centering and shuttering for R.B. work in 1st floor and subsequent upper floors add 20 per cent extra to the rates of centering and shuttering over and above the rates in the next lower floor per Sq.M.
3. The rate of concrete items have been arrived on the assumption that hand broken chips have been utilized. If crusher broken chips are to be utilized necessary addition to the rates may be effected.
4. 10 per cent excess on the above rates to be allowed when the works are being executed inside jail premises.

CHAPTER 10

MASONRY BRICK WORK WITH 25 CM BRICKS

Chapter – 10

MASONRY BRICK WORK WITH 25 CM BRICKS

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

- | | | |
|---|-------|-----------|
| 1. For brick masonry in superstructure add extra towards extra labour for scaffolding to the rate in foundation and plinth. | 1 cum | Rs. 33.00 |
| 2. For brick arch masonry not exceeding 1.5m span add extra for scaffolding and centering in rate of brick work in superstructure. | 1 cum | Rs. 66.20 |
| 3. For brick masonry in well steining add extra towards extra labour for scaffolding and lowering materials to the rate in F & P. | 1 cum | Rs. 46.20 |
| 4. For brick masonry in item for 1st floor and subsequent higher floors add 15 percent extra labour over and above the rates of next lower floor. | | |
| 5. For honey comb brick masonry in 1st floor and subsequent higher floors add 15 percent extra labour over and above the rates of next lower floor. | | |
| 6. For brick masonry with different quality of bricks add or subtract the difference in cost of bricks from respective items of rate. | | |
| 7. For brick masonry with 23cm x 11cm x 8cm size bricks 400 nos. of bricks are required for one cum. of masonry. Labour and material component remain the same in that for respective items of bricks masonry with 25cm x 12cm x 8cm size bricks. | | |
| 8. For brick masonry work below ground level beyond 1.5m. and up to 4.5m. depth add 15 percent extra labour over and above the rates of the respective items for lowering the materials. | | |
| 9. For brick masonry work below ground level beyond 4.5m. and up to 7.5m. depth add 20 percent extra labour over and above the rates of the respective items for lowering the material. | | |
| 10. 10 percent excess on the above rates will be allowed in works being executed inside jail premises. | | |

CHAPTER 11

MASONRY STONE WORK

Chapter – 11

MASONRY STONE WORK

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

- | | | |
|--|-------|-----------|
| 1. For stone masonry in superstructure add extra labour for scaffolding to the rates of foundation and plinth. | 1 cum | Rs. 41.90 |
| 2. For stone masonry in well sinking add extra labour for scaffolding to the rates of foundation and plinth. | 1 cum | Rs. 71.70 |
| 3. For dry stone masonry or rough stone dry masonry for well sinking add extra towards extra labour and scaffolding to the rate of dry stone masonry or retaining wall (Item 12). | 1 cum | Rs. 58.50 |
| 4. Where stones other than granite are used deduct the difference in cost of stones including OHC and T&P from the respective items. | | |
| 5. When crusher broken metals and chips are used the differences in cost between hand broken and crusher broken materials for respective items are to be added. | | |
| 6. For stone masonry work below ground level beyond 1.5m and upto 4.5m. depth add 15 per cent extra labour over and above the rates of the respective items for lowering the materials | | |
| 7. For stone masonry work below ground level beyond 4.5m and upto 7.5m. depth add 20 per cent extra labour over and above the rates of the respective items for lowering the materials | | |
| 8. 10 per cent excess on the above rates will be allowed in the works being executed inside jail premises | | |

CHAPTER 12

FLOORING

Chapter – 12 FLOORING

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. Rate have been arrived on hand broken chips. If crusher broken chips are used, the difference in cost of material is to be added to arrive at finished rate.
2. For flooring work in 1st floor or any additional floor add 5 per cent extra labour over and above the rate of next lower floor.
3. For repair item of flooring in 1st floor or any additional floor add 2 per cent extra labour over and above the rate of next lower floor.
4. For stone cladding to outer walls of 1st floor and subsequent higher floors add 10 per cent extra labour over and above the rates of next lower floor.
5. In case of stone cladding to outer walls and glazed tile fixing on walls, provision of semi-skilled mulia for rubbing and wax polishing as in analysis will not be considered.
6. Fixing tiles in item No. 16, 17 & 18 includes marble, kota, khandolite, granite, kadappa, dholpuri stone chequered tiles, glazed tiles & terrazzo tiles, etc.
7. For flooring work below ground level beyond 1.5m. and up to 4.5m. depth add 5 per cent extra labour over and above the rates of the respective items for lowering the material.
8. For flooring work below ground level beyond 4.5m. and up to 7.5m. depth add 7 per cent extra labour over and above the rates of the respective items for lowering the material.
9. 10 percent excess on the above rates will be allowed in the works being executed inside jail premises

CHAPTER 13

PAINTING

Chapter – 13 PAINTING

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. Painting of shutter including choukats
 - i. Batten and panel Take 2 ¼ times the opening
 - ii. Glazed Take 1 ½ times the opening
 - iii. 2/3 panelled and 1/3 glazed Take 2 times the opening
 - iv. 1/3 panelled and 2/3 glazed Take 1 ¾ times the opening
 - v. 1/3 panelled and 2/3 venetian Take 2 ¾ times the opening
 - vi. For window gratings Take ½ times the opening
 - vii. Venetian and Rolling shutters Take 3 times the opening
2. Paints should be used as follows per 10 m²
 - i. Primer 1 Coat
 - a. Wood 0.75 lt
 - b. Steel 0.54 lt
 - c. Plastered surface 0.84 lt
 - ii. Painting Wood and Iron Works
 - a. 1 Coat 0.75 lt
 - b. 2 Coats 1.25 lt
 - iii. Coaltaring
 - a. 1 Coat 1.80 lt
 - b. 2 Coats 2.80 lt
 - iv. Distemper
 - a. 1 Coat 1.66 kg
 - b. 2 Coats 2.50 kg
 - v. Plastic paint
 - a. 1 Coat 0.75 lt
 - b. 2 Coats 1.25 lt
 - vi. Cement Paint
 - a. 1 Coat 1.66 kg
 - b. 2 Coats 2.50 kg

1. For inside painting in each subsequent floor above ground floor add 3 per cent extra labour over and above the rates of ground floor.
2. For outside painting add 5 per cent extra on labour for scaffolding over and above the rates of next lower floor.
3. For repair item of painting add 2 per cent extra labour to respective items.
4. 10 per cent excess on the above rates will be allowed in the works being executed inside jail premises.

CHAPTER 14

PLASTERING

Chapter – 14 PLASTERING

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. For inside cement of lime plaster or pointing in each subsequent floor above ground floor and 3 per extra labour over and above the rates of next lower floor.
2. For inside white washing, colour washing and cement washing in each subsequent floor above ground floor add 3 per cent extra labour over and above the rates to next lower floor.
3. For repair items of white washing and colour washing inside add 2 per cent extra labour to respective items of next lower floor.
4. For repair items of plastering add 2 per cent extra labour to the respective items of next lower floor.
5. For outside cement plaster, white washing, colour washing, and cement washing add 5 per cent extra labour for scaffolding etc. over and above the rates of next lower floor.
6. For painting work below ground level beyond 1.5m and upto 4.5m depth add 5 per cent extra labour over and above the rates of the respective items for lowering the material.
7. For painting work below ground level beyond 4.5m and upto 7.5m depth add 7 per cent extra labour over and above the rates of the respective items for lowering the material.
8. 10 per cent excess on the above rates will be allowed in the works being executed inside jail premises.

CHAPTER 15

ROOFING

Chapter – 15 ROOFING

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. 10 per cent excess on the above rates will be allowed in the works being executed inside jail premises.

CHAPTER 16

WOOD WORK

Chapter – 16

WOOD WORK

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. When 1/3 panelled and 2/3 glazed or vice versa shutters is specified, the proportionate rates of the respective items should be worked out and the rate for the shutter arrived.
2. The diameter of the bullahs to be measured above 2m. high from the bottom.
3. The standard fittings for doors and windows should be as per the I.S.I. specification.
4. 10 per cent excess on the above rates will be allowed for the works being executed inside jail premises.

CHAPTER 17

ROAD WORK

Chapter – 17 ROAD WORK

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. 10% excess on the above rates will be allowed for the work being executed in side the Jail premises.
2. Generally Bitumen Emulsion @ 6Kg/10Sqm is to be used in Primer Coat. However, the quantity may be increased as specified in the Contract or as determined by site trials carried out as directed by the Engineer-in-Charge depending upon the porosity.
3. In case of tack coat, bitumen emulsion / bitumen @ 0.2Kg/Sqm in case of normal bituminous surface, @ 0.3Kg/Sqm in case of granular base treated with primer and @ 0.4Kg/Sqm in case of granular base (not primed) is to be used.
4. In case of WMM with Wet Mix Plant, BM, DBM, SDBC, BC, open graded PMC, close graded premix surfacing and Seal Coat with 40-60TPH HMP and 100-120TPH HMP, carriage of plant mixed materials to work site has been calculated as 1Km. distance. This is to be ascertained as per the actual requirement. For example, the distance from quarry to work site is 20Kms, then the lead from quarry to plant may be considered as 5Kms. and from plant to work site (L) as 15Kms. If it is 65 Kms, then the lead from quarry to plant may be considered as 5Kms. and from plant to work site (L) as 60Kms. But in any case, (L) should not exceed more than 60Kms. If the distance from quarry site to work site is 85 Kms., then the lead from quarry to plant may be considered as 25Kms. and from plant to work site (L) as 60Kms
5. The rates provided for sub-base and metalling vide Item No. 8, 9 and 31 are for compacted Cum.
6. For 1 Cum of compacted granular sub-base, 1.28 Cum of loose quantity will be taken into consideration.
7. In case of Built up spray grouting, no extra payment towards cleaning the surface and applying tack coat is to be made as the same has been included in the concerned item.
8. In case of Primer Coat / Tack Coat to be done by mechanical means, cleaning item is not to be provided separately as the same has been included in the said items.

CHAPTER 18

SITE CLEARANCE

Chapter – 18 SITE CLEARANCE

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. For dismantling works, premeasurement should be recorded before commencement of the work.
2. 10% excess on the above rates will be allowed for the work being executed in side the Jail premises.

CHAPTER 19

PILE FOUNDATION

Chapter – 19

PILE FOUNDATION

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. Rate of R.C.C. items have been arrived on crusher broken chips. If hand broken chips are to be used the difference in cost is to be deducted to arrive at the finished rate.
2. 10 per cent excess over and above the rate will be allowed for the work been executed inside jail premises.

CHAPTER 20

DISMANTLING

Chapter – 20

DSIMANTLING

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. For dismantling work in 1st floor or any additional floor add 5 per cent extra labour over and above the rates of next lower floor for lowering the dismantled materials.
2. For dismantling works, pre-measurement should be recorded before commencement of the work.
3. 10 per cent excess on the above rates will be allowed for the works being executed inside jail premises

CHAPTER 21

IRON WORK

Chapter – 21 IRON WORK

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. 10 per cent excess on the above rates will be allowed for the works being executed inside jail premises

CHAPTER 22

WELL SINKING

Chapter – 22

WELL SINKING

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

SPECIAL NOTE:

1. 10 per cent excess on the above rates will be allowed for the works being executed inside jail premises

CHAPTER 23

OTHER BUILDING ITEMS

Chapter – 23

OTHER BUILDING ITEMS

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

CHAPTER 24

BRIDGE WORKS

Chapter – 24

BRIDGE WORKS

Please use the Analysis of Rates, 2006 for determination of rates for various Items of Works

CHAPTER 25

MISCELLANEOUS ITEMS

Chapter – 25

MISCELLANEOUS ITEMS

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
25.1	R.C.C. Works		
1	Making R.C.C. jally as per approved design 2.5 cm to 5.00 cm thick and fixing in cement mortar in position after cutting the grooves, etc. complete including cost of all materials.	1Sq.M	283.21
2	Providing and fixing in position 50mm, thick precast cement concere jally (1:2:4) hard granite chips including roughening, cleaning, fixing and finishing in cement mortar (1:3) etc., complete	1Sq.M	424.59
3	5 c.m. thick R.C.C. shelves (1:2:4) with hard granite chips 12mm size fitted and fixed in position finished smooth complete with all materials.	1Sq.M	280.22
4	R.C.C. boundary stones (1:2:4) with washed shingles or hard tone chips 10cm × 10cm and 1.2M high fitted and fixed complete	Each	74.41
5	R.C.C. post (1:2:4) using 12mm size hard granite chips using 75Kgs of steel reinforcement per Cu.M. including cost of all materials and labour fitting and fixing in position etc.	Cum	6117.36
6	Supplying and fixing 15cm dia and 1.00 M. long guard posts of cement concrete (1:2:4) with hard granite chips including cost of all reinforcement.	Each	93.06
7	Labour for fixing 15 cm dia and 1 m long R.C.C. guard posts in position 45cm below ground level.	Each	3.04
8	Providing and fixing pre-cast R.C.C. (1:2:4) kilometre stone as per I.R.C. design including finished smooth.		
a	110cm long ordinary Km. Stone for N.H., S.H. and M.D.R.	Each	409.45
b	150cm long ordinary 5 Km. Stone for N.H., S.H. and M.D.R.	Each	585.61
c	95cm long ordinary Km. Stone for N.H., S.H. and village roads.	Each	300.80
9	8 cm thick R.C.C. fins walls (1:2:4) with black hard granite chips 12mm size using 3.0 kg to 3.50 Kg of steel reinforcement per Sq.M. including shuttering, finishing complete	1sqm.	434.25
10	R.C.C. railing (1:2:4), 8 cm thick 90cm high with hard granite chips 6mm to 20mm size complete as per approved design.	R.M	452.71
11	I.R.C. standard R.C.C. railing (1:2:4) using black hard granite chips 12mm size including cost of centering and shuttering and cost and conveyance of all materials and labour etc. complete.	R.M	760.70
12	Boxing with cement concrete (1:3:6) with wire netting and washed pit singles or hard stone chips including cement plaster 6mm, thick finished smooth complete.	1 Cum	1834.48

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
13	Filling bitumen and cement and jute fibre in expansion joints inclusive of cost of materials, bitumen and cement proportion (3:1) including cleaning before pouring 12mm to 25mm and 15cm depth.	1 RM	14.25
14	Ditto extra for each additional 2.5cm depth over the depth of 15cm	1 RM	3.02
15	Inserting premoulded expansion joint including cleaning (labour only)	1 RM	2.01
25.2	Doors and Window		
1	Labour of replacing glass- panes including cutting to size with cost of nails and putty.	1 Sqm	68.42
2	Cleaning glass-panes with spirit including cost of spirit	1 Sqm	5.97
3	Frosting glass-panes including cost of all labour and materials	1 Sqm	20.32
4	Fitting and fixing glass louvers in position in wooden, steel window frames including cutting grooves.	1 Sqm	91.87
5	Renewing putty in fixing glass-panes	1 Sqm	53.54
6	Fixing old glass panes with wooden beading including cost of nails and beadings	1 Sqm	60.37
7	Providing, fitting and fixing with sal wood battens, 7.5cm × 1.2cm with 6mm mesh wire netting, or expanded metal including panting complete	1 Sqm	408.00
8	Fixing wire netting or welded mesh including screw and nails (Labour only)	1 Sqm	57.19
9	Providing, fitting and fixing 25mm thick sal wood batten, jaffry, door shutters fitted and fixed in position including cost of iron fitting and hinged cleats etc. complete.	1 Sqm	402.94
10	Labour for taking out wooden/steel door frame and refixing the same after necessary repair including making good damages to walls.	Each	75.16
11	Labour for taking out wooden/steel window and refixing the same after necessary repairs including making good damages to walls.	Each	57.37
12	Taking out the door or window shutters and refixing them including screws as may be required.		
	(a) Doors	Each	71.80
	(b) Windows	Each	45.03
13	Labour for fitting and fixing-departmental shutters excluding cost of fixing and fitting Chaukath but including mending size of grooves in chaukaths and size of shutters, etc. complete	Sqm	32.03

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
14	(a) Supplying and fixing W.I. clamps 33cm to 38cm long of 35mm × 5mm size for doors and windows and ventilators including fixing in cement concrete (1:3:6) with 12mm, to 20mm hard stone chips or in cement mortar (1:3) including cost of all materials.	Each	28.09
	(b) Supplying and fixing W.I. clamps 25cm to 30cm long of 35mm × 5mm size for doors and windows and ventilators including fixing in cement concrete (1:3:6) with 12mm to 20mm hard stone chips or in cement mortar (1:3) including cost of all materials.	Each	15.24
15	Labour for fixing tower bolts 15cm to 23cm long including supply of screw.	Each	5.96
16	Labour for fixing tower bolts 25cm to 30cm long including supply of screws.	Each	7.92
17	Labor for fixing iron bolts of different sizes, iron chains, iron rings or brass rings to doors and windows.	Each	2.99
18	Supplying and fixing wooden blocks to walls	Each	2.48
19	Supplying and fixing Sal wood, sand blocks 13cm × 10cm × 7 cm to choukaths including cost of screws.	Each	3.48
20	Supplying and fixing hinged cleats 8 cm to 10cm long and 4cm thick including cost of screws	Each	6.30
21	Labour for fixing catch hooks of different size to doors and windows.	Each	3.31
22	Easing, oiling and petty repairs windows	Each	6.11
23	Replacing the wooden lintels of doors and windows with new precast R.C.C. lintels including making good to the damage (Labour only)	Each	54.11
24	Labour for making chaukaths and burgas from old wood works	1 Cum	1250.70
25	Supplying, fitting and fixing Sal wood gate as per approved designed including painting, etc. complete in all respect	1sqm.	375.91
26	Cutting grooves in laterite stone masonry for fixing choukaths of doors and windows.	Each	4.98
27	Making cement concrete (1:2:4) door sills	1 RM	14.16
28	Providing and fixing in position 20mm thick (solid core type) sita board or equivalent approved quality flush shutter double leaf (treated with liquid phenolformaldehyde synthetic resin) with and including door dropper, cleats, both side commercial shutter and superior hinges, etc. complete.	1 Sqm	875.70
29	Providing and fixing in position 30mm thick Ditto one side decorative shutter Ditto.	1 Sqm	1047.30
30	Providing and fixing in position 30mm thick Ditto both side decorative shutter Ditto.	1 Sqm	1335.33

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
31	Providing and fixing in position 25mm thick Ditto both side decorative shutter Ditto.	1 Sqm	766.64
32	Providing and fixing in position 25mm thick Ditto one side and one side commercial shutter Ditto.	1 Sqm	964.01
33	Providing and fixing in position 25mm thick Ditto both side decorative shutter Ditto	1 Sqm	1134.14
34	Labour only for fixing in position flush shutters fixtures of any thickness and any quality.	1 Sqm	58.82
35	Add extra for vision panels in square shape		
	(a) Both side commercial of any thickness	Each	86.56
	(b) One side or both side decorative of any thickness	Each	105.25
36	Deduct for single leaf shutters as rebete cutting is not required (for flush shutters)	Sqm	33.85
37	Add extra for Teak wood leaping (Double leaf)		
	(a) Commercial 25mm thick	Sqm	222.72
	(b) Commercial 30mm thick	Sqm	164.41
38	Add extra for teak wood leaping double leaf decorative (one side or both side)		
	(a) 25mm thick	Sqm	139.53
	(b) 30mm thick	Sqm	144.93
39	Add extra for Teak leaping with commercial wood for single leaf shutters on both the sides.		
	(a) 25mm thick	Sqm	137.27
	(b) 30mm thick	Sqm	155.73
40	Add extra for Teak leaping decorative for single leaf shutters, one side or both the sides	Sqm	
	(a) 25mm thick	Sqm	92.68
	(b) 30mm thick	Sqm	73.94
41	Supplying R.C.C. door/window frames of cross section 100mm × 60mm of M-250 concrete using OPC 43 Grade cement and steel reinforcement of 5.5 mm to 6.0 mm dia M.S. Rod with provision of hinges, locks, W.I. clamps, etc. (Ex-factory)	1 RM	210.57
42	Fitting and fixing of R.C.C. door/window frames of sizes		
	(a) Doors	Each	119.84
	(b) Windows – 1.80m× 1.35m. size	Each	135.06
	1.50m × 1.35m. size	Each	133.87
	1.20m × 1.35m. size	Each	74.40
	0.90m × 1.35m. size	Each	75.25
43	Providing & fixing 25mm to 12mm Teak wood beading all round door and window and polished as required.	1 RM	30.27

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
25.3	Roofing		
1	Leak repair to terrace roof with cement and cow dung proportion 1:1 (by volume)	100 sqm	275.12
2	Leak repair to terrace roof with cement and cow dung proportion 1:1 (by volume) lime or cement grouting to cracks.	100 m	302.91
3	Leak repair to corrugated asbestos or G.I. sheet roofing with pitch and coaltar, putty and paint around the holes.	100 nos.	119.05
4	G.I. sheet gutter upto 30cm wide including fixing with clamps and making connection with rain water pipes, etc. complete.	1 RM	97.97
5	Taking out choked up rain water C.I. down pipe including refixing the same in position with cement.	Each	34.04
6	Labour for fitting and fixing 8 cm to 10 cm C.I down pipe.	1 RM	6.31
7	Labour for fixing rain water down pipe with necessary bend shoes and heads etc. including cost of clamps and nails	1 RM	13.33
8	7.5cm dia earthen rain water spout 1.0M long	Each	29.71
9	Cleaning flues of chimneys	Each	14.22
10	Fixing ridges and valley in C.I. sheet roofing (Labour only)	1 sqm	13.79
11	Lime mortar ridge over pan tiled roof	1 RM	20.95
12	Labour for changing burgas irrespective of length and size including repairs to damages.	Each	11.97
13	Labour for laying local Raniganj tile roofing	1 Sqm	8.02
14	Leak repairs to single Nuria tile roofing	1 Sqm	2.00
15	Leak repairs to double Nuria tile roofing	1 sqm	1.48
16	Labour for fitting and fixing old roof timbers including cost of nails	1 Cum	758.01
17	Labour for removal of old bamboo frame including stacking the useful materials for reuse.	1 Sqm	1.43
18	Labour for fixing 'J' 'L' or 'U' hooks for repair works only.	Each	2.34
25.4	Ceiling		
1	Hassain ceiling stretched on Sal wood frame and mountain battens including all aterials, etc. complete	1 Sqm	47.64
2	Hassain mat ceiling stretched on old frames including all materials etc.	1 sqm	26.83
3	Bamboo celiling with new Sal frame including all materials etc. complete	1 sqm	92.39
4	Bamboo celiling with old Sal frame including all materials etc. complete	1 sqm	20.02
25.5	Flooring		
1	Picking up old floor for resurfacing	1 sqm	5.00
2	Polishing the floor surface with red oxide, bees wax and turpentine	1 sqm	16.20

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
3	Rubbing old marble chips or marble tile flooring and dados skirting including wax polishing to give granolithic finish.	1 sqm	72.41
25.6	Iron works		
1	Labour for fitting and fixing flat iron wind ties including drilling holes and supplying bolts and nuts.	1 qtl	278.02
2	Fabricated iron works (Labour only)	1 qtl	355.25
3	Labour for fixing M.S. bed plates 12mm thick set in cement.	1 sqm	157.04
4	Welding of rods to proper specification and strength including cutting and shaping the ends to receive the welding materials and cutting to proper sizes as required for the work complete.		
	(a) 25mm dia M.S. Rods	Per joint	98.03
	(b) 28mm dia M.S. Rods	Per joint	117.86
	(c) 30mm dia M.S. Rods	Per joint	117.50
	(d) 35mm dia M.S. Rods	Per joint	121.59
	(e) 38mm dia M.S. Rods	Per joint	123.08
5	Labour for fitting and fixing of M.S. window grills including cost of screws complete	1 Sqm	16.22
6	Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete	1 Sqm	93.32
7	Labour for fixing holding down bolts in cement mortar	Each	3.98
8	Labour for fixing fan hooks in existing R.C. ceiling	Each	20.59
25.7	White Washing		
1	White washing and refiguring kilometer stones or mile stones or boundary pillars	Each	6.57
2	White washing and refiguring furling posts or 100M post	Each	3.37
3	Chalk washing one coat to receive distempering	1 sqm	2.89
4	Chalk washing two coats to receive distempering	1 sqm	3.00
5	Labour for rubbing out heavy moss from shift walls exposed to weather	100 sqm	15.02
6	Washing the plastered surface with soap and soda water	100 sqm	26.85
25.8	Painting		
1	Painting figures and letters of various size upto 120mm	Each	2.04
2	Painting figures and letters above 120 mm size	1 RM	2.01
3	Engraving letters of various sizes from 5cm to 10cm including painting, etc. Complete	1 RM	3.41
4	Painting and writing road signs of all kinds as per I.R.C. standard including painting boards.	1 RM	9.19
5	Marking and painting lines or arrows	1 RM	2.79
6	Wall painting with any approved paint 1 coat (Labour only)	1 sqm	5.75
7	Wall painting with any approved paint 2 coats (Labour only)	1 sqm	6.93

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
8	Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height	1 sqm	5.12
9	Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges above 5M high and upto 8M height	1 sqm	7.01
10	Washing and cleaning plastic paint/cement paint/distempered walls including cost of painting sponge	100 sqm	27.26
25.9	Pile Driving		
1	Labour for driving sal bullah piles and fixing in position 12cm to 15cm, dia upto 1.50M depth including sharpening the end.	1 m	16.65
2	Ditto- Ditto-beyond 1.50m depth – Do – Do	1 m	26.70
3	Ditto-Ditto above 15 Cm and upto 20cm dia upto 1.50M depth	1 m	28.69
4	Ditto- Ditto-beyond 1.50M depth – Do – Do	1 m	33.99
5	Ditto-Ditto above 20 Cm and upto 20cm dia upto 1.50M depth	1 m	37.86
6	Ditto- Ditto-beyond 1.50M depth – Do – Do	1 m	42.15
7	Ditto-Ditto above 25 Cm and upto 20cm dia upto 1.50M depth	1 m	43.04
8	Bamboo jafree on top of piles	100 Sqm	1687.34
9	Split bamboo jafree closely woven including bamboo posts 7.5cm to 10 Cm dia 1.8 M apart.	100 Sqm	1332.64
10	Bamboo piling 1.50M long 30cm apart to be driven to a depth of 90Cm with 60Cm jafree on top.	1 RM	34.45
11	Bamboo piling 2.00M long 30cm apart to be driven to a depth of 1.0M with 90Cm jafree on top.	1 RM	42.21
12	Bamboo piling 3.7M long 30cm apart to be driven to a depth of 2M with 1.50M jafree on top.	1 RM	99.05
13	Half bullah tying pieces fitted and fixed with nails (labour only)	1 RM	9.01
14	For driving piles in water add extra to the respective rate of pile driving item.	1 RM	2.97
25.10	String Course and Cornice		
1	6 cm to 8cm projection plinth moulding with brick in cement mortar (1:3) 6 cm to 8 cm depth including cement plaster 1:4 complete	1 RM	20.44
2	9 cm projection 6 cm deep cornice with brick in cement mortar (1:3) and cement mortar (1:4) complete	1 RM	35.05
3	15cm projection and 15cm deep cornice with brick in cement (1:3) including drip course and cement plaster (1:4) complete.	1 RM	47.54
4	23cm projection and 23cm deep cornice with brick in cement mortar (1:3) including drip course and cement plaster (1:4) including plaster (1:4) complete.	1 RM	79.04

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
5	25 Cm deep brick coping on compound wall including cement plaster (1:4) complete for 35cm to 38cm thick walls including plastering (1:4) complete	1 RM	59.68
6	15 Cm deep brick coping 23cm to 25cm thick walls including plastering (1:4) complete.	1 RM	42.26
7	15 cm deep brick coping for 11cm to 12cm thick walls	1 RM	34.11
8	7.5cm deep brick coping on compound wall of 23cm to 25cm thick including cement plaster (1:4) complete.	1 RM	34.77
9	Providing 8 cm deep cement concrete (1:5:10) on top of compound wall and plastering with cement plaster (1:4) complete.	1 RM	38.35
10	6 cm projection for 23cm to 25cm wall string course with brick in cement mortar (1:3) and cement plaster (1:4) complete	1 RM	17.53
11	Brick moulding including plastering with cement mortar (1:4) 12cm deep and 11cm projection	1 RM	30.92
25.11	Drain		
1	15cm. × 15cm concrete drain with cement concrete (1:3:6) and cement plaster (1:3) including punning over hard base.	1 RM	94.13
2	10cm. × 15cm concrete drain with cement concrete (1:3:6) and cement plaster (1:3) including punning over hard base.	1 RM	66.08
3	25cm. × 23cm concrete drain with cement concrete (1:3:6) and cement plaster (1:3) finished smooth with 10cm thick concrete over hard base.	1 RM	144.49
4	Shallow brick drain in courtyard 6cm deep with cement plaster (1:3) finished smooth.	1 RM	46.35
5	23cm to 30cm drain with cement concrete (1:2:4) finished smooth	1 RM	16.05
6	10cm × 15cm drains finished smooth	1 RM	10.12
7	15cm thick cement concrete (1:3:6) drain 75cm wide and 30cm depth including 12MM cement plastering (1:3) finished smooth.	1 RM	493.64
8	Ditto 60cm wide and 30cm depth	1 RM	374.03
9	Ditto 30cm wide and 30cm depth	1 RM	189.75
10	Waste water outlet in cement including cost of gratings	Each	24.70

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
11	Waste water outlet in cement without gratings	Each	12.69
25.12	Fencing		
1	Labour for fitting and fixing woven wire fencing with top line of barbed wire to the posts by means of staples and straining hooks.	100 m	84.06
2	1.50M high bamboo fencing with muli bamboo posts and strong bamboo frame work including all materials complete.	100 m	1173.18
3	Green fencing 1.25M height with thomy bushes and split bamboo.	100 m	405.46
4	Supplying fitting and fixing R.C.C. (1:2:4) fencing posts with chips 1.68M long 13cm × 13cm at bottom and 8cm × 8 cm at top and 30cm × 30cm × 8 cm base finished smooth	Each	197.87
5	Labour for fixing barbed wire fencing and post by means of staples and straining hooks by means of tying with G.I. wire and including cost of staples, hooks and tying wires	Each line Each metre	0.99
25.13	Bridge work and other Hydraulic structure		
	Well Sinking :		
1	Labour for sinking wells in all kinds of soil other than rock, to lines, levels and plumb by scooping out from inside and below the staining including cost of necessary tools and plant supplying and working of pumps bailing out of water or dredging, removal of all materials and obstacles from inside the well by divers, hire and labour for cantiledge jetting, if necessary and sinking to a depth of 10M taking precaution against shifting and tilting disposal of the spoil with all leads and lifts, etc complete		
	(a) 3.00 M dia outside circular or octagonal single wall upto 10.00 M depth	1 RM	6683.27
	(a1) 3.00 M dia every successive additional metre depth beyond 10.00M depth	1 RM	74.61
	(b) 3.25M dia outside circular or octagonal single wall, upto 10.00M add	1 RM	8625.55
	(b1) 3.25 M dia outside circular or octagonal single well for every successive additional metre depth beyond 10.00M depth add.	1 RM	119.96
	(c) 3.50M dia outside circular or octagonal single well upto 10.00M depth	1 RM	10589.17
	(c1) 3.50M dia for every successive additional metre depth beyond 10.00M add	1 RM	129.98
	(d) 4.00 M dia outside circular or octagonal single well upto 10.00M depth	1 RM	13161.19
	(d1) 4.00 M dia for every successive additional metre depth beyond 10. depth add	1 RM	162.55
	(e) 4.25 M dia outside circular or octagonal single well	1 RM	16076.10

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
	(e1) 4.25M dia for every successive additional meter depth beyond 10.00 M depth add.	1 RM	190.89
	(f) 4.50M dia outside circular or octagonal single well	1 RM	16624.48
	(f1) 4.5M dia for every successive additional metre depth beyond 10.00 M depth add.	1 RM	204.37
	(g) 4.75M dia outside circular or octagonal single well	1 RM	17464.39
	(g1) 4.75M dia for every successive additional metre depth beyond 10.00 M depth add.	1 RM	232.79
	(h) 5.00 M dia outside circular or octagonal single well	1 RM	18764.77
	(h1) 5.50M dia for every successive additional metre depth beyond 10.00M depth add.	1 RM	244.64
	(i) 5.50 M dia outside circular or octagonal single well	1 RM	19440.75
	(i1) 5.50 M dia for every successive additional metre depth beyond 10.00M depth add	1 RM	257.20
	(j) 5.75M dia outside circular or octagonal single well	1 RM	20481.96
	(j1) 5.75M dia for every successive additional metre depth beyond 10.00M depth add	1 RM	275.11
	(k) 6.00 dia outside circular or octagonal single well	1 RM	21969.51
	(k1) 6.00 M dia for every successive additional metre depth beyond 10.0M depth add.	1 RM	283.87
	(l) 6.50M dia outside circular or octagonal single well	1 RM	23180.55
	(l1) 6.50M dia for every successive additional metre depth beyond 10.00M depth add	1 RM	223.93
	(m) 6.75M dia outside circular or octagonal single well	1 RM	24303.57
	(m1) 6.75M dia for every successive additional metre depth beyond 10.00M depth add	1 RM	315.39
	(n) 7.00M dia outside circular to octagonal single well	1 RM	25663.97
	(n1) 7.00M dia for every successive additional metre depth beyond 10.00M depth add	1 RM	336.78
	(o) 7.25M dia outside circular or octagonal single well	1 RM	26619.62
	(o1) 7.25M dia for every successive additional metre depth beyond 10.00M depth add	1 RM	354.91
	(p) 7.50M dia outside circular or octagonal single well	1 RM	28141.38
	(p1) 7.50M dia for every successive additional metre depth beyond 10.00M depth add.	1 RM	377.23
2	(a) 3.30M dia outside circular or octagonal twin well upto 10.00M depth	1 RM	19441.53
	(b) 3.00M dia for every successive additional metre depth beyond 10.00M depth add.	1 RM	189.48

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
3	Earth work in excavation of foundation in all kinds of soil with all leads and lifts including shoring, shuttering, propping bullahs, piling dewatering from foundation, supplying and working pumps and stacking the excavated materials away from working area as ordered by the Engineer-in-charge upto 60M etc. complete with coffer dam if required.		
	(a) Upto 3.00 M depth	1 cum	5007.32
	(b) Beyond 3.00M and upto 6.00 M. Depth	1 cum	6775.56
	(c) Beyond 6.00M depth	1 cum	8328.03
4	Earth work in excavation of foundation is hard work or granite rock with all leads and lifts, including dewatering from foundation supplying shoring pumps and working pumps and stacking the excavated materials away from working areas as ordered by Engineer-in-charge upto 60M and complete with coffer dam if required.		
	(a) Upto 6.00M depth	100 Cum	23754.64
	(b) Beyond 6.00M depth	100 Cum	29757.79
5	Excavation of foundation in soft rock or disintegrate rock with all leads and lifts, including shorting shuttering propping bullahs, piling dewatering from foundation, supplying and working pumps and staking the excavated materials away from working area as ordered by the Engineer-in-charge upto 60M complete with coffer dam if required.		
	(a) Upto 6.00M depth	100 Cum	15126.87
	(b) Beyond 6.00M depth	100 Cum	19174.74
6	Leveling the hard rock surface under wells for piers, abutments and wings under water	1 Sqm	212.66
7	Fixing anchoring bars upto 25mm to 38mm dia to the foundation of piers and abutments after drilling holes grouting with cement or cement mortar as per approved proportion, etc. all complete but excluding cost of rods.	Each	126.65
8	Labour for fitting and fixing in position steel cutting edge as per approved design using M.S. angle plates, bolts and nuts complete including cutting angles to required size, bending to shape, drilling holes, reverting and welding, etc. complete in all respect but excluding cost of angles and plates.	1 Quintal	1213.36
9	Labour for fixing rocker and roller bearings	Each Set	4789.87
10	Providing C.I. grating to holes size upto 15cm dia for each drainage of water including cost of all materials.	Each	59.61

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
11	Cement concrete in foundation including dewatering add extra to the respective rate of cement concrete	1 Cum	76.51
12	Cement concrete in substructure including frame work (shuttering and hoisting) add extra to the respective items of work.	1 Cum	140.63
13	Masonry work in foundation below bed level add extra to respective rates of foundation for dewatering and lowering of materials.	1 Cum	44.28
14	Shoring foundation trenches, pits, etc. with closed wood sheet piles excluding cost of wood (Labour only)	1 Sqm	17.55
15	Shuttering in foundation excluding cost of wood (Labour only)	1 Sqm	4.99
16	Trial boring in river-bed 38mm to 50mm dia upto 9.15M depth	1 RM	46.67
17	Removing and refixing old wood work saving to the required sizes where necessary including cost of new nails but excluding cost of bolts complete for bridge work (labour only).	1 Cum	556.54
18	Fixing wooden planks and scantling for bridge decking including cost of new nails (Labour only)	1 Cum	581.17
19	(a) Strip seal expansion joint as per MORT&H specification.	RM	12167.65
	(b) Compression seal expansion joint as per MORT&H specification	RM	10960.62
	N.B. : The rates for item No. 1 to 17 are provisional		
25.14	Timber Bridges		
1	Sal bullah rough squared beams including fixing with new nails spikes for bridge work, etc. inclusive of cost of all materials complete	1 Cum	10408.50
2	Refixing old wood including cost of new nails etc.	1 Cum	595.88
3	Dismanting old wood work of bridges and stacking at site	1 Cum	291.38
4	Sal wood planks and sawn scantling for bridge including fixing and cost of new nails, etc. complete	1 Cum	23277.90
5	Labour for fitting and fixing old sal planks for fair-weather road including cost of nails	1 Sqm	12.66
6	Labour for fixing old sal bullah including cost of nails after cutting to required sizes.	1 RM	6.41
7	Labour for filling empty cement bags, sewing and laying in position including cost of sewing strings.	100 Nos.	131.56
8	Labour for filling empty cement bags sewing and laying under water in position.	100 Nos	141.27
9	Loading cement bags filled with sand in boat within 300m. lead.	100 Nos	59.75
10	Caulking boats, lock gates, etc. with Oakum	30 RM	121.91
25.15	Road work		
1	Removal of B.T. surface and stacking them away from work site within initial lead of 50 1 RM. and initial lift of 1.5 1 RM. as per direction of Engineer-in-charge	1 sqm	18.24

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
2	Labour charges for pre-coating 10mm chips as per I.R.C. code 48/72	1 Cum	489.81
3	K.B.bricksflat soling including filling on interstics with sand or sandy soil	1 Sqm	40.52
4	Second class K.B. bricks on dental brick edging	1 RM	11.23
25.16	Other Miscellaneous items		
1	Clearing heavy jungle including uprooting stumps of trees and trees above 1M girth and thick bushes including bamboo premeasurement.	100 sqm	81.78
2	Clearing shrub jungles uprooting stumps and small bushes and trees below 1M girth on premeasurement.	100 sqm	26.97
3	Cutting and uprooting trees including removal and making good to the damages to ground, trees up to 1.50M girth.	Each	39.94
4	Cutting and uprooting trees including removal and making good to the damages to ground treesabove 1.50M upto 3.00 M girth	Each	64.20
5	Cutting and uprooting trees including removal and making good to the damages to ground trees above 3.00M. girth	Each	95.98
6	Washing newer cot including refixing each cot	Each	24.79
7	Dewatering and removing rubbish and silt and disinfecting wells upto 1.5M dia	Each	134.91
8	Dewatering and removing rubbish and silt and disinfecting wells above 1.50M and upto 2.50M dia	Each	218.14
9	Supplying fitting and fixing teak wood hand rails 8cm to 10cm wide and 5cm to 8cm depth complete in all respects polished.	1 RM	315.78
10	Supplying fitting and fixing teak wood picture rail 8 cm to 10cm wide and 12cm tick including polishng, etc. complete	1 RM	94.09
11	Bamboo gabions 60cm dia 1.50 M high including coaltaring 2 coats to 30 cm bottom fitted and fixed complete	Each	47.31
12	Bamboo gabions 1m dia 1.50 M high including coaltaring 2 coats to 30 cm bottom fitted and fixed complete	Each	76.82
13	Recanning arm of dining chair with nylon cane (Back)	Each	41.79
14	Recanning arm of dining chair with country cane (Back)	Each	33.98
15	Recaning arm of dining chair with nylon cane (seat)	Each	75.74
16	Recaning arm of dining chair with country cane (seat)	Each	56.22
17	Recanning easy chair with nylon cane	Each	190.37
18	Recanning easy chair with country cane	Each	170.51
19	Construction of brick gabions with dry brick and cement mortar in honey comb joints and two layers solid masonry in cement mortar (1:6)in all joints.		
	(a) 1.25M dia and 1.50M high	Each	502.89
	(b) 1.00M dia and 1.50M high	Each	405.25

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
20	Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars		
(a)	100mm dia R.C.C. pipe	1 RM	12.28
(b)	150mm dia R.C.C. pipe	1 RM	13.87
(c)	250mm dia R.C.C. pipe	1 RM	20.01
(d)	300mm dia R.C.C. pipe	1 RM	24.18
(e)	450mm dia R.C.C. pipe	1 RM	30.32
(f)	600mm dia R.C.C. pipe	1 RM	37.35
(g)	900mm dia R.C.C. pipe	1 RM	55.56
(h)	1200mm dia R.C.C. pipe	1 RM	96.80
21	Labour for fixing bullahs 30cm to 50cm below ground for barricading purpose.	Each	2.02
22	23cm to 30cm dia Sal bullah fitted and fixed complete	1 Cum	8485.96
23	10cm to 13cm dia Non-Sal bullah fitted and fixed complete.	1 m	28.81
24	Non-sal bullah 13cm to 15cm dia fitted and fixed complete	1 m	50.05
25	Non-sal bullah 18cm to 20cm dia fitted and fixed complete	1 m	71.74
26	25mm thick sal plank fitted and fixed complete for Shelves	1 Sqm	460.90
27	Fitting and fixing unitex board after cutting rebate and grooves and fixing with necessary beads, nails or screws etc. (Labour) nails or screws etc (labour)	1 Sqm	117.92
28	Renewing bases of lightening conductors terminals with pillar 25cm × 25cm and 12mm cement plaster (1:6) complete	Each	82.95
29	Making empty coalter drum gabions with thick coat of colatar to exposed surface (drums to be supplied departmentally).	Each	14.54
30	Cutting chase or grooves upto 15cm × 15cm in old walls including fixing C.I. sheet in cement mortar (1:3)	1 RM	14.88
31	12cm thick honey comb brick works in cement mortar (1:4) including cement plaster (1:6) complete.	1 Sqm	172.52
32	Labour for cutting the empty coalter drums and flattening the same	Each	4.72
33	Providing 12cm thick and 30cm high ornamental brick parapet as per design with (1:6) cement mortar and cement plaster (1:6) finished smooth complete.	1 RM	138.01
34	Labour for fitting and fixing masonite sheet lining to wall faces etc. complete.	1 Sqm	25.36
35	Crack repair to walls 8cm × 2.5cm with cement mortar (1:3)	1 RM	3.61

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
36	Clearing of water hyacinth from canal and drainage channels		
	(a) Thickly grown	1 Sqm	2.80
	(b) Moderately grown	1 Sqm	1.98
37	Dug belling 23cm × 15cm	100 M	23.72
38	Drilling hole 25cm to 37mm dia in granite rock	1 RM	168.08
39	Drilling hole 25cm to 37mm dia in rock other than granite	1 RM	142.45
40	Sawing charges of wood by machine as per specified size	1 Cum	477.59
41	Sewing charges by hand including cost of the thread hand needless per R.M.	1 RM	2.00

NOTES:

1. Rates under this sub-heads are inclusive of labour and cost of materials and conveyance, except where otherwise mentioned in the description of items.
2. 10 percent excess on the above rates will be allowed on the works being executed inside the jail premises.

Sl. No	Description of Items	Unit	Rate (Rs.)
1	2	3	4
25.17	New Miscellaneous Items		
1	Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018.	1 Sqm.	485.28
2	Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP - 63:2018.	1 Sqm.	608.40
3	Supplying and fixing of Pre cast kerb stone of size 300mm x 300mm x 150mm of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction fixed in required pattern etc. complete in all respect conforming to IS 5758:1984.	Each	162.56

Sl. No	Description of Items	Unit	Rate (Rs.)
1	2	3	4
4	Supplying and fixing of Pre cast kerb stone of size 600mm x 300mm x 150mm of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction fixed in required pattern etc. complete in all respect conforming to IS 5758:1984.	Each	249.55
5	Supplying and fixing of Roller blinds by fixing powder coated top channel, bottom channel with bottom end cap, control unit and good quality of 0.60 mm thick fabric of approved design and quality etc. complete.	1 Sqm.	1913.88
6	Supplying and fixing of Wall paneling made of aluminum anodised section framing conforming to standard Aluminium sections as horizontal and vertical members with atleast 600mm c/c and fixing of 9mm thick BWR ply with 4mm thick veneer pasting finished with melamine polishing complete.	1 Sqm.	2285.50
7	Supplying and fixing of Double skin wall paneling made of aluminum anodised section framing conforming to standard Aluminium sections as horizontal and vertical members with atleast 600mm c/c with 9mm thick BWR block ply and 4mm thick veneer finished with melamine polished on both the faces complete.	1 Sqm.	2646.44
8	Providing and fixing ISI marked 35 mm thick flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak three ply veneering with vertical grains or cross bands and face veneers on both faces of shutters of approved design including cost of all door fittings and fixtures etc. complete	1 Sqm.	12865.41
9	Supplying, fitting and fixing of 32mm thick flush door shutter with approved quality of 30mm thick BWR block board pasted with 1mm thick sunmica on both side of approved design and quality including cost of all door fittings and fixtures etc. complete	1 Sqm.	10668.61
10	Supplying, fitting and fixing of 5.5 mm thick hexagonal Aluminum jally in windows as single groove, double groove and tapered clip as horizontal and vertical members for fixing of aluminum jally and jointing angle conforming to standard Aluminium sections etc. complete.	1 Sqm.	1841.00
11	Supplying and fixing of Elastomeric Membrane of 200mm x 2mm size for expansion joint sealing from approved manufacturer, fixing with epoxy adhesive of approved quality complete.	1 RM	3252.92

Sl. No	Description of Items	Unit	Rate (Rs.)
1	2	3	4
12	Supplying , fitting and fixing of two track UPVC sliding window of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.	1 Sqm.	4960.97
13	Supplying , fitting and fixing of openable UPVC doors with door frame of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.	1 Sqm.	8682.12
14	Supplying , fitting and fixing of grid mineral fibre ceiling board having size 600 mm x 600 mm x 16mm of approved design and quality complete with frame and all fitting and fixtures.	1 Sqm.	1604.00
15	Providing and fixing of bi-directional retro reflective raised pavement markers of approved colour, quality & make conforming to ASTM D-4280 made from injection moulded high impact polymer including cleaning, preparation of surface and fixing at position with approved quality adhesives including cost of all materials, labour, transportation, taxes, duties, sundries, T&P etc. complete.	Each	282.00
16	Sinking of 6m Dia R.C.C. well in Soft rock (Non coring)/Boulder/Hard Soil) (wherein SPT>100) to lines levels and plum by scooping out from inside and below the steining including cost of hire and running charges of tools and plants and supplying & working of pumps, bailing out of water and removal of all materials and obstacle from inside the well by divers etc. including precaution against shifting and tilting disposal of the soil with all leads and lift etc. complete as directed by the Engineer-in-charge (Up to 10mtr depth)	1 RM	79745.93
17	Sinking of 6m Dia R.C.C. well in Fractured Hard rock (wherein UCS>12.5 Mpa and RQD<50) to lines levels and plum by scooping out from inside and below the steining including cost of hire and running charges of tools and plants and supplying & working of pumps bailing out of water and removal of all materials and obstacle from inside the well by divers etc. including precaution against shifting and tilting disposal of the soil with all leads and lift etc. complete as directed by the Engineer-in-charge	1 RM	227616.38
	<u>SPECIAL ITEMS FOR IRRIGATION WORKS</u>		
18	Desilting by Dredging from river /nallah for depths varying from 1.00m to 3.00 m including fixing of pipelines , Floaters and floating pipelines for disposing of water slurry consisting of all kinds of soil including medium fine sand & coarse sand with gravelly earth . The rate shall include the cost of labour , materials , consumables POL, spare parts and accessories to keep dredger , T&P etc. including building in the island by providing geo tubes and accessories or by tin sheets for information of bund for dumping of dredged material with all lead and lift excluding GST as per direction of the Engineer-in-Charge .The job includes all pre and post dredging surveys for payment purpose.		

Sl. No	Description of Items	Unit	Rate (Rs.)
1	2	3	4
(a)	Disposal Distance upto 1000m	1 Cum	186.00
(b)	Disposal Distance upto 1500m	1 Cum	243.00
(c)	Disposal Distance upto 2000m	1 Cum	347.00
19	Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife, hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, foundation of structures and other other deep cutting sections in dry, wet or submerged conditions by mechanical drilling and appropriate blasting & disposal of excavated materials with 1Km lead, loading into and transportation by transport vehicle and depositing the excavated materials neatly in approved spcified dump yard within1Km lead & dressing to pro section as direction by the Engineer-in-charge and trimming of bed and slope to the design finished section manually, if necessary, including all cost of drilling conveyance and storage of explosive, fuse coil, detonators, all accessories, machine charges etc. complete as specification and direction of the Engineer-in-charge.	1 Cum	308.40
20	Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife, hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring control blasting in canal, foundation of structures and other deep cutting sections in dry, wet or submerged conditions by mechanical drilling and appropriate blasting & disposal of excavated materials with 1Km lead, loading into and transportation by transport vehicle and depositing the excavated materials neatly in approved spcified dump yard within1Km lead & dressing to pro section as direction by the Engineer-in-charge and trimming of bed and slope to the design finished section manually, if necessary, including all cost of drilling conveyance and storage of explosive, fuse coil, detonators, all accessories, machine charges etc...complete as specification and direction of the Engineer-in-charge	1 Cum	355.10
21	Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife, hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) in canal, foundation & cut-off trenches of earth dam & other deep cutting by means of Rock Breaker with all lifts, delifts including trimming the bed & slopes to designed finished	1 Cum	597.80

Sl. No	Description of Items	Unit	Rate (Rs.)
1	2	3	4
	section, loading into & transportation by taransport vehicle within 1 KM lead & depositing the excaveted materials neatly in specific dump yard as directed by the Enginerer-in-charge etc complete		

**25.18. BASIC RATES OF MISCELLANEOUS ITEMS FOR PH WORKS
(Water Supply and Sanitary Installations)**

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
	LUMP SUM ITEM RATE		
1	Design, Drawing ,Construction , Commissioning &Testing of RCC Intake well (upto 20 M Depth) including dewatering , cofferdam,5m height pump house on the well, EOT crane (3 Tonne to 10 Tonne) arrangements 2.5 1 RM to 3.50 1 RM (as per requirement) wide RCC/MS walk way -up to 50 1 RM (as per requirement to intake pump house but excluding external electrification ,raw water pump ,approach to site ,spur and cutoff wall etc.		
i	4.50 1 RM dia (2.5 m Walk way + 3Ton EOT)	each	11261169.00
ii	6.0 1 RM dia(3.0 m Walk way + 5Ton EOT)	each	18768616.00
iii	8.0 1 RM dia (3.5 m Walk way + 8Ton EOT)	each	25024822.00
iv	10.0 1 RM dia (3.5 m Walk way +10Ton EOT)	each	32532268.00
2 (i)	Pump House Plinth Area	Sqm	16080.03
(ii)	Sunken Pump House Plinth Area	Sqm	24119.69
3	Pump Sets:-		
i	VT Pump Sets without Control Panel including installation	HP	15147.14
ii	Submersible/Centrifugal PumpSets without Control Panel	HP	9321.62
4	Design, Drawing ,Construction , Commissioning &Testing of Conventional WTP with Cascade aerator, Raw water channel, Chemical house, Chemical store, Dosing arrangements, /Chlorinator, Flash Mixer, Rapidmix, HBCF ,Settling Tank, RGF /Clariflocculator, bye pass channel, filter house & back wash arrangement with pump, CWR,Clear water pump house, Lab, Administrative Block, internal road & lighting, internal drainage arrangement, internal electrification /Arboriculture etc, but excluding cost of clear water pumps , External Electrification, Automation & instrumentation & sludge Treatment.		
i	Upto 3.0 MLD	ML	8133066.50
ii	Upto 5.0 MLD	ML	7507447.00
iii	Upto 10.0 MLD	ML	6256206.00
iv	Above 10.0 MLD	ML	5630584.50
5	Design , Drawing , Construction , Commisioning & Testing of R.C.C UGR and piping arrangement up to 5 1 RM from external face.		
i	Upto 2.25 Lakh Ltr	Ltr	6.88
ii	Above 2.25 Up to 10.00 Lakh Ltr	Ltr	6.25
iii	Above 10.00 Lakh Ltr	Ltr	5.64

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
6	Design , Drawing , Construction , Commisioning & Testing of R.C.C ESR and piping arrangement up to 5 1 RM from external face.		
i	Upto 1.0 Lakh ltr. (upto 20 1 RM. Ht.)	Ltr	37.55
ii	(above 20 1 RM. Ht.)	Ltr	40.04
iii	Above 1.0 Lakh ltr. (upto 20 1 RM. Ht.)	Ltr	30.04
iv	(above 20 1 RM. Ht.)	Ltr	35.04
v	Above 5.0 Lakh ltr. (upto 20 1 RM. Ht.)	Ltr	27.52
vi	(above 20 1 RM. Ht.)	Ltr	31.28
	For SBC < 10 Ton/m ² & > 7 Ton/m ² add 5% extra .		
7	3 Phase Transformer (Sub Station)11/4 KVA		
i	including installation with all required material 25 KVA	each	302946.62
ii	including installation with all required material 63 KVA	each	413638.02
iii	including installation with all required material 100 KVA	each	471897.14
iv	including installation with all required material 250 KVA	each	838928.39
v	including installation with all required material 350 KVA	each	1048660.16
vi	including installation with all required material 500 KVA	each	1400000.00
vii	Substation Building of size (5.00 m x 3.00 m) for 250 KVA and above transformers	Sqm	16080.03
8	L.T. Line		
i	L.T Line with 50 mm ² AB Cable using 9 1 RM PSC Pole .	1.0 KM	398490.89
ii	L.T Line with 95 mm ² AB Cable using 91 RM PSC Pole	1.0 KM	825000.00
iii	11 kv Line with 160x160 mm GI Pole	1.0 KM	1300000.00
iv	33 kv Line with 160x160 mm GI Pole	1.0 KM	1600000.00
v	1.6 MVA 33/0.4 Kv Sub -station with stand by	Each	9700000.00
9	Supply, fitting & fixing etc.		
i	Out door control pannel empty Box.made of MS Plate of size 1.8 mt x 0.9 mt x 0.45 mt (with door)	Each	8156.25
ii	Star Delta Control Pannel with APFC arrangement	HP	2330.73
iii	A T S Control pannel	HP	3496.10
iv	Soft Starter with six wire bypass arrangement up to 300 H P.	HP	1747.40

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
10	Filter Sand & Media		
i	Filter Sand with effective size varying from 0.5mm to 0.7mm, Uniformity Coefficient between 1.3 to 1.7 and conforming to IS 8419 Part-I : 1977 (Basic price at quarry excluding carriage)	Cum	1957.50
ii	Filter Media (Gravel) with size varying from 40 to 60 mm at bottom to 2 to 5 mm at top conforming to IS: 8419 (part-I) 1977 (Basic price at quarry excluding carriage)	Cum	1566.00
	Cleaning Items (As Per Practical field Observations) New Items		
11	Supplying all materials labour & T & P with safty protective gears /kits for cleaning and desilting of Machine hole Chamber by mechanical means using de-silting machine mounted on a 3-wheeler vehicle BS -6 model including hire charges of machines, operators, POL and required sewerman and depositing the semisolid sludges at the work site and subsequently disposal of dried sludge by mechanical means with in 20 KM radius from work site with loading at work site & unloading at designated place of Municipality authorities etc complete in all respect as per site condition & direction of the Engineer in charge.(As Per Practical field Observations)	Per on no. Of Machine Hole	965.50
12	Supplying all materials labour & T & P with safty protective gears /kits for cleaning of sewer line by mechanical means using Jetting - cum - Suction machine mounted on TATA 710 LPT BS6 vehicle with tank capacity 2000 ltr (Suction) + 2000 ltr (Jetting).The suction machine using to sock over flow of sewer water & sludge from the machine hole for facilitating use of jetting machine for clearing the blockage in the sewer line. The Jetting machine can operate through hydro jetting propulsion technic with high pressure of 150 bar/2200 PSI of jet spray of water through aerodynamic nozzle fitted on 3/4" ruber hose is inserted inside the sewer line for clearing of blockage & dragging the hose pipe for bringing the sludges to the machine hole . etc complete in all respect as per site condition & direction of the Engineer in charge.The cost towards hire charges machine,operators, POL, Consumable materials, conveyance & labour charges etc. (As Per Practical field Observations)		
i	up to 200 mm dia sewer line	1 RM	245.90
ii	For 250 mm &300 mm dia sewer line	1 RM	327.80

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
iii	For 350 mm & above dia sewer line	1 RM.	819.50
13	Supplying all materials labour & T & P with safety protective gears / Kit for cleaning of sewer line by mechanical means using Jetting machine mounted on TATA 710 LPT BS6 vehicle with tank capacity 4000 ltr (Jetting). The Jetting machine can operate through hydro jetting propulsion technic with high pressure of 150 bar/2200 PSI of jet spray of water through aerodynamic nozzle fitted on 3/4" rubber hose is inserted inside the sewer line for clearing of blockage & dragging the hose pipe for bringing the sludges to the machine hole . etc complete in all respect as per site condition & direction of the Engineer in charge. The cost towards hire charges machine, operators, POL, Consumable materials, conveyance. cost of safety protective gears as per SOP & labour charges etc. (As Per Practical field Observations)		
i	Upto 200 mm dia sewer Line	1 RM	195.80
ii	For 250 mm & 300 mm dia sewer line	1 RM	234.90
iii	For 350 mm & above dia sewer line	1 RM	587.40
14	Supplying all materials labour & T & P with safety protective gears / Kit for clearing of blockage in sewer lines by mechanical means using trally mounted rodding machine with 5 HP deisel pump to operate the system by insertion of flexible rod of 1.0 1 RM each by jointing one by one up to required length driven by diesel engine to clear the chockage of sewer line & after clearing the chock remove the rod by one by one etc. complete as per site condition & direction of Engineer - in charge. The cost towards hire charges machine, operators, POL, Consumable materials, conveyance. cost of safety protective gears as per SOP & labour charges etc. (As Per Practical field Observations)		
i	Upto 200 mm dia sewer Line	1 RM	59.00
ii	For 250 mm & 300 mm dia sewer line	1 RM	88.50
iii	For 350 mm & above dia sewer line	1 RM	177.10

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
15	Supplying all materials labour & T & P for cleaning of Machine Hole chamber by mechanical means using Suction machine mounted on TATA 710 LPT BS6 vehicle with tank capacity 4000 ltr (Suction) .The suction machine using to sock over flow of sewer water & sludge from the machine hole for facilitating clearing the blockage in the sewer line and subsequently disposal of the sucking sewerage water with in 20 KM radius from work site with unloading at designated place by Municipality authorities etc complete in all respect as per site condition & direction of the Engineer in charge.. etc complete in all respect as per site condition & direction of the Engineer in charge.The cost towards hire charges machine,operators, POL, Consumable materials, conveyance & labour charges etc. (As Per Practical field Observations)	One Trip	1303.20
16	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. (iii) Chlorination of RCC internal surface by liquid chlorine.(iv) The treated surface shall be dried using air jetting and all loose particles shall be removed from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge. Details of cost for 1 No. (As Per Practical field Observations)	Per Ltr	0.08
17	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account). (As Per Practical field Observations)	Per Liter	0.28

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
18	Cleaning rubbish, sludge, weeds scum, liquid earth, mud etc. from road side masonry drain/ nikashi etc. by mathor labour after removing concrete slab/ manhole cover etc. without damaging the same and re-fixing the same properly after cleaning as necessary and removing the sludde etc. by using iron pans, buckets including all labour, tools and plants including expulsion of impure/ inflammable/ asphyxiating gases from the drain etc. and removing the spoils in dry condition and disposing the same by truck beyond the area of municipal corporation/ municipality/ NAC/ industrial township authority etc. for such disposal including the cost of loading, unloading, transportation and making arrangement of necessary land for disposal, spreading and levelling as necessary etc. and cleaning the road side complete as per direction of engineer-in-charge.(Land for disposal to be arranged by the contractor)(Payment will be made on the basis of actual stack measurement of spoils in dry condition at road side.	1 RM	164.00
19	Cleaning rubbish, sludge, weeds scum, liquid earth, mud etc. from road side masonry open drain/ nikashi etc. by mathor labour, removing the sludge etc. by using iron pans, buckets including all labour, tools and plants including expulsion of impure/ inflammable/ asphyxiating gases from the drain etc. and removing the spoils in dry condition and disposing the same by truck beyond the area of municipal corporation/ municipality/ NAC/ industrial township authority etc. for such disposal including the cost of loading, unloading, transportation and making arrangement of necessary land for disposal, spreading and levelling as necessary etc. and cleaning the road side complete as per direction of engineer-in-charge.(Land for disposal to be arranged by the contractor)(Payment will be made on the basis of actual stack measurement of spoils in dry condition at road side.(As Per Practical field Observations)	1 RM	130.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
20	Cleaning rubbish, sludge, weeds scum, liquid earth, mud etc. from RCC box drain/covered nikashi etc. by mather labour after removing concrete slab/ manhole cover etc. without damaging the same and re fixing the same properly after cleaning as necessary and removing the sludge etc. by using iron pans, buckets including all labour, tools and plants includingexpulsion of impure/ inflammable/asphyxiating gases from the drain etc. and removing the spoils in dry condition and disposing the same by truck beyond the area of municipal corporation/ municipality/ NAC/ industrial township authority etc for such disposal including the cost of loading, unloading, transportation and making arrangement of necessary land for disposal, spreadingand levelling as necessary etc. and cleaning the road side in all respects, complete as per direction of engineer-in-charge.(Land for disposal to be arranged by the contractor)(Payment will be made on the basis of actual stack measurement of spoils in dry condition at road side.(As Per Practical field Observations)	1 RM	286.00
	Dismantling of R.C.C Structure (New Item)		
21	Supplying all materials , Labour, & T & P for staggging ,digging holes, hoisting the 1st Class bamboo of 7cm to 10cm dia with minimum length of 6.0 1 RM, tying with coir string , including overlapping of the bamboos in jointing in other direction bamboo pole, vertically around the tower at least 1.50m C/C about circumstantially around the tower in the layers at the distance of at least 0.50m away from the outer peripherry of the over head wall placing the bamboo bracing horizontally at a distance of 1.50 m C/C including similar overlapping of 1.0 1 RM as and where necessary all complete as per direction of Engineer in charge so to achieve in risk free working of the working labours.and Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately.(As Per Practical field Observations)	Per Cum	1960.00
	Add 10% on every 31 RM Heights .		
	Automation System(New Items)		

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
22	Water end butterfly valve PN10, body-CI , Disc-SGI, Seat- EPDM, Shaft -SS410 with Qtork Gear Box and Auma Actuator Epac		
i.	100NB	Per Nos	130000.00
ii.	150NB	Per Nos	132000.00
iii.	200NB	Per Nos	135000.00
iv.	250NB	Per Nos	140000.00
v.	300NB	Per Nos	145000.00
vi.	350NB	Per Nos	165000.00
vii.	400NB	Per Nos	170000.00
viii.	450NB	Per Nos	180000.00
ix.	500NB	Per Nos	192000.00
x.	600NB	Per Nos	245000.00
23	Flange end butterfly valve PN10, Body-CI, Disc-SGI, Seat-EPDM, Shaft-SS410 with Qtork Gear box and Auma Actuator Epac-		
i.	100NB	Per Nos	135000.00
ii.	150NB	Per Nos	138000.00
iii.	200NB	Per Nos	142000.00
iv.	250NB	Per Nos	147000.00
v.	300NB	Per Nos	154000.00
vi.	350NB	Per Nos	170000.00
vii.	400NB	Per Nos	180000.00
viii.	450NB	Per Nos	192000.00
ix.	500NB	Per Nos	202000.00
x.	600NB	Per Nos	275000.00
24	Auma Epac Actuator:- Open/ Closeduty, 2nos limit Switch, 2nos Torque Switch with 4-20ma Position Feedback		
i.	Actuator type-SA3E22	Per Nos	115000.00
ii.	Actuator type-SA6E22	Per Nos	118000.00
iii.	Actuator type-SA12E32	Per Nos	125000.00
iv.	Actuator type-SA25E45	Per Nos	133000.00
25	Electrically Actuated butterfly valve of 200mm size	Per Nos	130000.00
26	Electrically Actuated butterfly valve of 300mm size	Per Nos	130000.00
27	Electrically Actuated butterfly valve of 320mm size	Per Nos	140000.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
28	<p>Surge Arrester:-</p> <p>Surge arrester for 3-conductor power supply systems (L1, N, PE), consisting of a base element with remote indication contact and protective connectors, for mounting on NS 35 and must have following features:</p> <p>1. Product properties: IEC test classification II; T2; EN type T2; IEC power supply system TN-S; TT; Type DIN rail module, two-section, divisible; Number of positions 2; Surge protection fault message Optical, remote indicator contact</p> <p>2. Insulation characteristics: Overvoltage category III; Pollution degree 2</p> <p>3. Electrical properties: Nominal frequency fN 50 Hz (60 Hz); Indicator/remote signaling; Connection name Remote fault indicator contact; Switching function Changeover contact Operating voltage 5 V AC ... 250 V AC/ 30 V DC; Operating current 5 mA AC ... 1.5 A AC/1 A DC</p> <p>4. Protective circuit: Mode of protection L-N, L-PE, N-PE; Direction of action 1L-N & N-PE; Nominal voltage UN 240/415 V AC (TN-S) 240/415 V AC (TT); Nominal frequency fN 50 Hz (60 Hz); Maximum continuous operating voltage UC (L-N) 335 V AC; Maximum continuous operating voltage UC (L-PE) 335 V AC; Maximum continuous operating voltage UC (N-PE) 260 V AC; Rated load current IL 80 A; Maximum discharge current I_{max} (8/20) μs 40 kA; Follow current interrupt rating I_{fi} (N-PE) 100 A; Voltage protection level U_p (L-N) \leq 1.5 kV; Voltage protection level U_p (L-PE) \leq 1.8 kV; Voltage protection level U_p (N-PE) \leq 1.5 kV; TOV behavior at UT (L-N) 415 V AC (5 s / withstand mode); 440 V AC (120 min / safe failure mode); TOV behavior at UT (N-PE) 1200 V AC (200 ms / withstand mode); Response time t_A (L-N) \leq 25 ns; Response time t_A (L-PE) \leq 100 ns; Response time t_A (N-PE) \leq 100 ns</p> <p>5. Make: Phoenix Contact / Dehn / Mersen</p>	Per Nos	2644.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
29	<p>DC Uninterrupted Power Supply:-</p> <p>All the RTU components like I/O cards, 4G Router and all other accessories should be powered by UPS back-up of minimum 2 hours in order to avoid any interruption in the power line. The Panel mounted Industrial UPS must be IP 20 rated and must support the following features:-</p> <ol style="list-style-type: none"> 1- In the event of supply voltage failure, battery mode must be activated without any interruption. There should be two switching outputs on the UPS module which should provide information when the UPS operates on battery mode and when there is any alarm on the UPS. 2- Input Voltage Range- 85 ... 264 V AC. 3- Frequency Range- 45 ... 65 Hz. 4- Output Voltage- 24VDC 5- The efficiency of the UPS operation should be more than 86%. 6- Ambient temperature Operation- 0 °C ... +40 °C. 7- The rechargeable battery of the UPS should be maintenance free based on lead AGM, VRLA technology. 8- Electromagnetic compatibility according to EMC Directive 2014/30/EU. 9- The MTBF of the product must not be less than 68 Years (SN 29500 standard, temperature 40 °C, operating cycle 100 % (7 days a week, 24 hours a day)). 10- There must be proper isolation between the Supply to RTU and Supply to field instruments/sensors. 11- The Power Supply and the UPS module should be protected by an external, pluggable and KEMA approved Surge Protection Device. The Maximum discharge current I_{max} (8/20) μs of the SPD must not be less than 40 KA. The SPD should have a potential free contact which should get activated in case the SPD fails. The SPD healthy indication should be available on the SCADA/UI Server. 12. Make: Siemens / Phoenix Contact / Micro Power 	Per Nos	25533.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
30	<p>Interposing Relay Module:-</p> <p>All digital outputs shall be isolated through interposing relays which must support following features:-</p> <p>1. Input Data- Relay Coil Voltage 24 VDC \pm 10%; Relay Current Consumption 21.8 mA; Relay Coil Resistance 1100 Ohm; Protective circuit/component Freewheeling Diode; Operating voltage display Green LED</p> <p>2. Output Data: Contact type 1 C/O (SPDT); Limiting continuous current 5 Amp@250VAC/30VDC, Resistive Load, cosf=1; 5 Amp@30 VDC, Inductive Load, cosf=0.4; 5 Amp@250 VAC, Inductive Load, cosf=0.4; Relay Contact Resistance 100 mOhm</p> <p>3. External connection: Through Screw terminals at Input and Output</p> <p>4. General Data: No. of Relays 8 (Eight); Pluggable Yes; Operating Temperature 0 0C to 50 0C; Storage Temperature -10 0C to 60 0C; Mounting Universal Din Rail; Installation position Any; Housing insulation Material PVC, Side Panel PA, Non-reinforced Housing Color Green</p> <p>5. Make: Phoenix Contact / Wago / OMRON</p>	Per Nos	1622.00
31	<p>RTU:-</p> <p>The RTU must be IP 20 rated of Industrial grade and must have following features:-</p> <p>1- Power Supply- 19.2 V DC ... 30 V DC.</p> <p>2- Provision for surge voltage protection with Input protective diode, pulse load up to 1500 W and polarity reversal with parallel diode.</p> <p>3- Ambient temperature Operation- 0 °C ... +55 °C.</p> <p>4- 32-bit processor with a minimum clock frequency of 64 MHz and with Program Memory – 256 kB, Data Memory – 256 kB, Retentive Data Memory – 8 kB, Flash Memory – 4 MB integrated, minimum 5 PID loops</p> <p>5- Integrated Ethernet port for Program Download/Upload and Online monitoring.</p> <p>6- Integrated RS 485 port for connecting Modbus Slaves with data transmission speed of 9.6 ... 250 kbps.</p> <p>7- The RTU must be capable of working as a Modbus /TCP as well as Modbus RTU Master or Slave configuration, simultaneously. It must be capable to open 8 Ethernet connections simultaneously with one Ethernet Port.</p> <p>8- Immediate data sending to NIC server.</p> <p>9- In case of Mobile network failure, the RTU must have the capacity to log 50 different parameters at 1</p>	Per Nos	44366.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
	<p>minute interval for 7 days and once the mobile network becomes healthy, the logged data must be updated in the Cloud data base, automatically, to prevent any loss of data due to mobile network interruptions.</p> <p>10- Inbuilt RTC- RTC deviation per week shouldn't be more than 1 minute and the RTC time should be saved for a minimum of 72 hours without power.</p> <p>11- Time Synchronization with SNTP Server.</p> <p>12- All the digital inputs must be protected with 50 mA external glass fuses and all the digital outputs must be interfaced with prerequisite relays with contact rating not less than 6A.</p> <p>13- All the sensor inputs must be protected with external KEMA approved Surge Protection Device. The Maximum discharge current I_{max} (8/20) μs of the SPD must not be less than 20 KA.</p> <p>14- All the analog inputs must be isolated via external signal isolators of 1.5KV isolation between input side and output side of the isolators to ensure proper channel to channel isolation for the analog inputs.</p> <p>15- The Power Supply to the RTU and to other Field devices must also be properly isolated by using appropriate surge protection devices for RTU Power Supply and for Field Power Supply.</p> <p>16- Proper care must be taken to provide channel to channel isolation for I/Os as well as for Power Supply isolation between RTU side and Field side.</p>		
32	<p>Digital Input Module:-The Digital Inputs must be of 8 channels and IP 20 rated of Industrial grade and must have following features:-</p> <p>1- Ambient temperature Operation- 0 °C ... +55 °C.</p> <p>2- Supply voltage range- 19.2 V DC ... 30 V DC (including all tolerances, including ripple)</p> <p>3- Typical response time- 1 ms</p> <p>4- Input voltage range "1" signal- 11 V DC ... 30 V DC</p> <p>5- Input voltage range "0" signal- -3 V DC ... 5 V DC</p> <p>6- All the digital inputs must be protected with 50 mA external glass fuses.</p> <p>7- Make: Phoenix Contact / Allen Bradley / Schneider / Siemens</p>	Per Nos	5106.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
33	<p>Digital Output Module:- The Digital Outputs must be of 8 channels and IP 20 rated of Industrial grade and must have following features:-</p> <ol style="list-style-type: none"> 1- Ambient temperature Operation- 0 °C ... +55 °C. 2- Maximum output current per channel- 500 mA 3- Supply voltage range- 19.2 V DC ... 30 V DC (including all tolerances, including ripple) 4- Maximum operating frequency with ohmic nominal load- 300 Hz 5- Protective Circuit- Overload protection, short-circuit protection of outputs, Zener diode in output chip, Auto Restart in case of output overload and Reverse voltage proof 6- All the digital outputs must be interfaced with prerequisite relays with contact rating not less than 6A. 7- Make: Phoenix Contact / Allen Bradley / Schneider / Siemens 	Per Nos	5744.00
34	<p>Analog Input Module:-The Analog Inputs must be of 4 channels, 4-20mA type and IP 20 rated of Industrial grade and must have following features:-</p> <ol style="list-style-type: none"> 1- Ambient temperature Operation- 0 °C ... +55 °C. 2- Input resistance current input- 200 Ω 3- Supply voltage range- 19.2 V DC ... 30 V DC (including all tolerances, including ripple) 4- Precision- typ. 0.1 % 5- Process data update must be less than 10ms 6- Transient protection- Suppressor diode 7- Overload Protection- max. ±10 V DC, corresponds to max. ±50 mA through the shunts 8- Analog to Digital conversion must not be less than 12 bits, however representation should be in 16 bits with error messaging in case of over range and open circuit errors. 9- All the analog inputs must be isolated via external signal isolators of 1.5KV isolation between input side and output side of the isolators to ensure proper channel to channel isolation for the analog inputs. 10- Make: Phoenix Contact / Allen Bradley / Schneider / Siemens 	Per Nos	11964.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
35	<p>Analog Output Module:-The Analog Outputs must be of 4 channels, 4-20mA type and IP 20 rated of Industrial grade and must have following features:-</p> <p>1- Ambient temperature Operation- 0 °C ... +55 °C. 2- Load/output load current output- < 300 Ω 3- Supply voltage range- 19.2 V DC ... 30 V DC (including all tolerances, including ripple) 4- Process data update must be less than 10ms 5- Precision- typ. 0.1 % 6- Protective Circuit- Short-circuit, electronic overload protection and transient protection via Suppressor diode 7- Analog to Digital conversion must not be less than 12 bits, however representation should be in 16 bits with error messaging in case of over range and open circuit errors. 8- Make: Phoenix Contact / Allen Bradley / Schneider / Siemens</p>	Per Nos	15317.00
36	<p>RS485 Module:- The RS485 MODBUS RTU module must be of IP 20 rated of Industrial grade and must have following features:-</p> <p>1- Ambient temperature Operation- 0 °C ... +55 °C. 2- Supply voltage range- 19.2 V DC ... 30 V DC (including all tolerances, including ripple) 4- Process data update must be less than 10ms 5-Integrated RS 485 port for connecting Modbus Slaves with data transmission speed of 9.6 ... 250 kbps. 6- The RTU must be capable of working as a Modbus /TCP as well as Modbus RTU Master or Slave configuration, simultaneously. It must be capable to open 8 Ethernet connections simultaneously with one Ethernet Port. 7- Make: Phoenix Contact / Allen Bradley / Schneider / Siemens</p>	Per Nos	12658.00

Sl No.	Description of Items	Unit	Rate (in Rs.)
1	2	3	4
37	<p>Feed-through terminal:- Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.5 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: dark gray which must have following features: 1. Electrical properties: Rated surge voltage 8 kV; Maximum power dissipation for nominal condition 1.02 W 2. Connection data: Number of connections per level 2; Nominal cross section 4 mm² 3. Material specifications: Color gray; Flammability rating according to UL 94 V0; Insulating material group I; Insulating material PA; Static insulating material application in cold -60 °C; Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C; Relative insulation material temperature index (Elec., UL 746 B) 130 °C 4- Make: Phoenix Contact / Connectwell / Weidmuller</p>	Per Nos	17.00
38	<p>Fuse terminal:- All digital inputs shall be protected through fuse terminal which must support following features: 1. Electrical properties: Fuse type Glass / ceramics; Rated surge voltage 8 kV; Maximum power dissipation for nominal condition 1.02 W Fuse G / 5 x 20 / 5 x 25 / 5 x 30; LED voltage range 15 V AC/DC ... 30 V AC/DC; LED current range 3.5 mA ... 8.1 mA 2. Input data: LED voltage range 15 V AC/DC ... 30 V AC/DC 3. Connection data: Number of connections per level 2; Nominal cross section 4 mm² 4. Material specifications: Color black; Flammability rating according to UL 94 V0; Insulating material group I; Insulating material PA; Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C; Relative insulation material temperature index (Elec., UL 746 B) 125 °C 5- Make: Phoenix Contact / Connectwell / Weidmuller</p>	Per Nos	167.00

25.19. New and Innovative Technologies for Energy Conservation in Buildings

Sl.	Description of Item	Unit	Rate
A. MONOLITHIC CONCRETE CONSTRUCTION SYSTEM USING ALUMINIUM/PLASTIC ALUMINIUM FORMWORK			
1	Providing and fixing of customized Aluminium formwork for monolithic construction RCC members with a repetitive usage of 100 times using grade 5052 aluminium for panel sheets of minimum 4 mm thick and grade 6061 (Type-6) aluminium for extruded sections. The form work includes of beam components i.e. beam side panel, prop head for soffit beam, beams soffit panel, beam soffit bulk head and deck components i.e. deck panel, deck prop, prop length, deck mid, soffit length, deck beam bar and wall components i.e. wall panel, rocker, kiker and internal soffit corner, external soffit corner, external corner, internal corner etc., The panels are held in position by a simple pin and wedge system that passes through holes in the out side rib of each panel. The tolerance of finished panels to be (-1 mm), and shall conform to IS 14687-1999. Pins and wedges to be made of high grade mild steel, all complete as per direction of Engineer-in-charge. (Cost of RCC work shall be paid separately)	sqm	456.85
B. EXPANDED POLYSTYRENE CORE PANEL SYSTEM			
2	Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shotcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zig zag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree) . The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} with the help of shotcreting / guniting equipment etc at a pressure not less than 1 bar (100Kn/m ²) and both surfaces finished with trowel. Fixing	sqm	3957.45

Sl.	Description of Item	Unit	Rate
	operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge.		
3	<p>Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of panel, kept at 120-135 mm gap and connected by the zig zag</p> <p>G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20kg/ per cum. The bottom side of the panel shall be finished by applying a layer of 60-65 mm thick cement mortar 1: 3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} with the help of shotcreting equipment etc at a pressure of not less than 1 bar (100Kn/m²) and surface finished with trowel. The top face of the panel shall be provided and finished by applying 70-75 mm thick layer of cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate</p> <p>20 mm nominal size). Fixing operations of roof/floor panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge.</p>	sqm	4286.85
C. LIGHT GAUGE STEEL FRAMED STRUCTURE (LGSF) SYSTEM			
4	<p>Designing, providing, installing and fixing factory finished custom designed cold form Light Gauge Steel Framed super structure comprising of steel wall panel, trusses, purlins etc manufactured out of minimum 0.75 mm thick steel sheet as per design requirements. The steel sheet shall be galvanized (AZ-150 gms Aluminium Zinc Alloy coated steel having minimum yield strength 300- 550 Mpa) conforming to AISI specifications and IBC 2009 for cold formed steel framing and construction and also as per IS: 875-1987, ISO 800-1984 and IS:801- 1975. The wind load shall be as per provisions of IS 875 (part -III). LGSFS frame shall be designed as per IS: 801 using commercially available software such as Frame CAD Pro-11.7/ STAAD PRO-V8i/Architek V2.5.16/ Revit architecture 2011 or equivalent. Proper usage of Connection Accessories like Heavy Duty Tension Ties,</p>	kg	235.70

Sl.	Description of Item	Unit	Rate
	<p>Light Duty Hold-ons, Twist Straps (to connect truss with wall frames), Strong Tie, Tie Rod, H-Brackets, Boxing Sections, L-Shaped Angles for better structural stability. The framing section shall be cold form C-type having minimum web depth 89 mm x 39mm flange x 11mm lipin required length as per structural design requirement duly punched with dimple/slot at required locations as per approved drawings. The slots will be along centreline of webs and shall be spaced minimum 250mm away from both ends of the member. The frame can be supplied in panelized or knock down condition in specific dimensions and fastened with screws extending through the steel beyond by minimum of three exposed threads. All self drilling tapping screws for joining the members shall have a Type II coating in accordance with ASTM B633(13) or equivalent corrosion protection of gauge 10 & 12, TPI 16 & 8 of length 20mm. The frames shall be fixed to RCC slab or Tie beam over Neoprene rubber using self expanding carbon steel anchor bolt of dia as per approved drawings, design subject to minimum 12mm diameter and 121mm length conforming to AISI 304 and 316 at 500mm c/c with minimum embedment of 100mm in RCC (RCC to be paid separately) and located not more than 300mm from corners or termination of bottom tracks complete in all respects. The item also includes the submission of stability reports duly examined and issued by any NIT/IIT. The rate includes the concept design, detailed design, fabrication of sections, transportation, installation and all required fixing arrangement at site as described above.</p>		
D. PRECAST ITEMS (3-S SYSTEM)			
5	<p>Fabrication & Manufacturing of Prestressed Hollow Core slab (Hollow area 25 to 30%) of different thickness & modular width 1200 mm in Controlled Factory Environment with approved methodology by using longline casting method having arrangement of proper steel bed. Concreting should be done by batch mixing plant capable of producing zero slump concrete, transported through automatic shuttles of standard make & laid on bed with the help of extruder/Slipformer, finishing, curing and also provision of steam curing. Cutting, making necessary cutout/holes of required sizes for services in slab element after</p>		

Sl.	Description of Item		Unit	Rate
	achieving required strength, yard handling & stacking all complete as per approved shop drawings & design mix as per the direction of the Engineer-in-charge. (Cost of strands should be paid separately).			
	Note: Excess/less cement over the specified cement content used as per design mix is payable/recoverable separately)			
	5.1	Concrete Grade-M-40 (Cement content 400 kg)		
		5.1.1 100 mm thick hollow core slab	metre	1273.30
		5.1.2 120 mm thick hollow core slab	metre	1491.45
		5.1.3 150 mm thick hollow core slab	metre	1818.65
		5.1.4 200 mm thick hollow core slab	metre	2220.05
		5.1.5 250 mm thick hollow core slab	metre	2729.40
		5.1.6 300 mm thick hollow core slab	metre	3238.70
		5.1.7 350 mm thick hollow core slab	metre	3748.05
		5.1.8 400 mm thick hollow core slab	metre	4257.35
	5.2	Extra for using M-50 (Cement content 425 kg) instead of M-40		
		5.2.1 100mm thick hollow core slab	metre	17.25
		5.2.2 120mm thick hollow core slab	metre	20.70
		5.2.3 150mm thick hollow core slab	metre	25.85
		5.2.4 200mm thick hollow core slab	metre	32.15
		5.2.5 250mm thick hollow core slab	metre	40.20
		5.2.6 300mm thick hollow core slab	metre	48.25
		5.2.7 350mm thick hollow core slab	metre	56.30
		5.2.8 400mm thick hollow core slab	metre	64.35
	5.3	Extra for using M-60 (Cement content 440 kg) instead of M-40		
		5.3.1 100mm thick hollow core slab	metre	27.60
		5.3.2 120mm thick hollow core slab	metre	33.05
		5.3.3 150mm thick hollow core slab	metre	41.35
		5.3.4 200mm thick hollow core slab	metre	51.45
		5.3.5 250mm thick hollow core slab	metre	64.35

Sl.	Description of Item		Unit	Rate
	5.3.6	300mm thick hollow core slab	metre	77.25
	5.3.7	350mm thick hollow core slab	metre	89.75
	5.3.8	400mm thick hollow core slab	metre	102.95
6	Fabrication and manufacturing of solid precast concrete element with provisions of shear keys, connecting loops, dowel tubes and proper lifting accessories for walls, beams, slabs, stairs, column etc, of various thickness, shape and size of different concrete grades manufactured in controlled factory environment with approved methodology including moulds (Pallet system, Tilts form, table moulds, battery moulds, vertical moulds, beam moulds, column moulds, staircase moulds, Facade mould, etc.), mixing, transporting and placing of concrete, vibrating, curing, finishing, making necessary cutout/holes of required sizes for services, yard handling & stacking all complete as per IS 11447:1985 and as per approved shop drawings and design mix as per the direction of Engineer-in-Charge (Cost of reinforcement, Mechanical, Electrical and Plumbing inserts will be paid separately).			
	Note: Excess/less cement over the specified cement content used as per design mix is payable/recoverable separately)			
	6.1	Concrete grade M-35 (Cement content 370 kgs)	cum	19488.05
	6.2	Extra for using M-40 (Cement content 400 kg)instead of M-35	cum	229.80
	6.3	Extra for using M-50 (Cement content 425 kg)instead of M-35	cum	421.35
	6.4	Extra for using M-60 (Cement content 440 kg)instead of M-35	cum	536.25
7	Providing & laying in position Prestressing steel strands (low relaxation) on hollow core bed by using mechanical pulling arrangement like Rabbit/ Bed master including all accessories for Stressing & destressing operations as per approved make conforming to IS1343 & grade FY-1860 etc, complete as per drawings and direction of Engineer -in-charge.		kg	147.05

Sl.	Description of Item		Unit	Rate
8	Transportation of Precast Elements by flat bed Tractor (Double / Triple axle 40ft Length with proper accessories like A frame etc) from factory, including the cost of loading , unloading & stacking at site with the help of required capacity cranes.			
	8.1	Lead within 15km	MT	464.80
	8.2	Add/Deduct over item 5.1 for every additional lead of 5 km	MT	103.00
9	Erection & Installation of Precast/Prestressed Concrete elements in correct & final position with proper line level and plumb at site making all arrangements (i.e cranes, push-pull jacks & all another T & P for lifting Placing & Alignment of elements, within erection tolerance as per IS 15916 as per approved shop drawings and all complete as per the direction of Engineer-in-Charge but excluding the cost of sim pads, non shrink grout and steel works i.e hangers. All work up to fifth floor.			
	9.1	Prestressed hollow core Slab upto 200 mm thickness	sqm	169.65
	9.2	Prestressed hollow core slab above 200 mm up to 400 mm thickness	sqm	288.05
	9.3	Solid concrete wall elements	cum	2284.75
10	Providing & Applying weather proof sealant on outer joints of approved make conforming to IS & directed by Engineer-in-charge.			
	10.1	Sealant 25mmx10mm at joints	metre	152.50
11	Providing & Laying of levelling sim pads required sizes (5x5cm to 10x10cm) of PVC / Rubber to adjust level of bearing surface of supporting members as per the direction of Engineer in charge.			
	11.1	2mm thick	each	24.30
	11.2	5 mm thick	each	31.00
	11.3	10 mm thick	each	44.35

Sl.	Description of Item	Unit	Rate
12	Providing & Grouting of dowel tubes / Shear keys / Joints of precast members with M-60 grade cementitious grout (Non Shrink) of approved make by suitable means (Free flowing /pump),curing etc. Complete as per directions of Engineer-in-charge. (The payment shall be made on the basis of actual weight of approved grout injected.)		
	12.1 Stirrer mixed cementitious grout (non shrink) of approved make in dowel tubes / Shear keys / Joints of precast members.	kg	76.70
E. SPEED FLOOR SYSTEM			
13	Designing, Providing, installing and fixing factory finished customed design pregalvanized high tensile steel joists manufactured from G350 Z275 confirming to IS:277-1992, minimum coating of galvanizing 275 gm/sqm, minimum yield stress 35 MPa & minimum tensile strength of 380 MPa placed 1.23 metre apart to support the load of slab etc as per the design & directions of Engineer-in-Charge.	kg	141.45
14	Providing and fixing special adjustable lock bars of mild steel E-250 to support the temporary plywood for work between joists during construction as per design & directions of the Engineer-in-charge.	kg	22.35
15	Centering and shuttering with 12mm thick shuttering plywood confirming to IS 4990:2011 and removal of form at all heights. Plywood will be supported on lock bars.		
	15.1 Suspended floors, roofs, landings, balconies and access platform.	sqm	90.60
F. GLASS FIBRE REINFORCED GYPSUM (GFRG) PANEL BUILDING SYSTEM			
16	Supplying of standard quality GFRG panel of 124 mm thickness with modular cavities purchased from GFRG panel manufacturing plant in the country, cut to required wall sizes and floor/ roof slab sizes in correct length and height, including cutting of door, window and ventilator opening as per the cutting drawing prepared by architects /design engineers for the construction of GFRG building and loaded in stillages for transportation to the construction site. Cost of panel includes security deposits, hire charges of stillages & jaws, cost of transportation in trucks/ lorries without any damages	sqm	1309.05

Sl.	Description of Item	Unit	Rate
	upto 300kms including all leads and lifts from GFRG manufacturing plant to construction site and unloading at site using suitable fork lift/ crane. Cost of panel includes security deposits, hire charges of stillages & jaws, cost of transportation in trucks/ lorries without any damages upto 300kms including all leads and lifts from GFRG manufacturing plant to construction site and unloading at site using suitable fork lift/ crane. (Payment shall be made on the basis of area of one side of panel without reduction of opening of door/ window / ventilator). For transportation above 300kms, additional charges to be paid.		
17	<p>Erection of GFRG Panels in walls in all floors using suitable crane as per instructions of Engineer-in-Charge, as per cutting drawings and structural drawings, in perfect line and plumb, above RCC plinth beam/GFRG panel below and provide necessary lateral/ slanting support to keep the wall panel in safe position, providing & tying of Reinforcement as per structural drawings and applying a coat of water repellent coating Zycosil/equivalent or equivalent product (1 Zycosil/equivalent compound:10 water) to saturation level over RCC plinth beam to provide water proofing treatment to joint between wall panel & plinth beam as per the guide lines / instruction by the engineer in charge. (Cost of reinforcement, water proofing of walls and plinth beam/GFRG panel below joints and installation of door/ window frames before filling of concrete shall be paid separately). The rate quoted shall include making provision for laying of lintels, beams, sunshades, staircase beams, lofts, plumbing work, electrical conduits and any structural insertion etc., as per the drawing and direction of the engineer in charge. The payment shall be made based on the actual exposed area (one side only) of the panel.</p> <p>The work shall be carried out as per the Special Conditions For Glass Fibre Reinforced Gypsum (GFRG) Structures mentioned in NIT.</p> <p>Note:</p> <p>i. When cutting panel, “A” side is to be for outside or external surface of respective external wall and B side is to be for internal surface of wall</p>	sqm	234.80

Sl.	Description of Item	Unit	Rate
	ii. Erection of panel is to be with reference to both building plan & cutting drawing by following notational mark indicated in the cutting drawing as well as notional mark written on each panel cut as per cutting drawing		
18	<p>Filling of empty cavities (as shown in the structural design drawing) with quarry dust mixed with 5% cement (by volume). After initial infill of 50 mm thick with M25 concrete at base/bottom of cavities to seal off, infill wall panel cavities in 3 stages as detailed below,</p> <p>i. 1st pour / infill to be limited to 0.3 to 0.50 m height from bottom of the panel. (ii) 2nd Pour/ infill: infilling shall be done only after 90 minutes interval between successive pours. The maximum height of infill shall be restricted to 1.5mheight or up to the top level of door / window.</p> <p>ii. 3rd pour/infill: After an interval of 90 minutes of second pour, infill or pour the balance height up to the bottom of embedded RCC tie beam.Pour enough water just required to dampen the drymix enough to form cake form after each stage.</p> <p>(Cost of laying M25 concrete shall be paid separately) (If any rain falls in between any stages of concrete pour, make sure to cover the panel top to prevent ingress of water or water falling into the cavities. In case of water collection over the concrete inside the panel, drill 10mm hole in GFRG panel immediately above concrete filled level to drain out water before pour/in-fill of balance concreting)</p>	cum	2375.90
19	<p>Laying of GFRG panel as roof / floor slab panel and staircase panel using suitable crane as per instructions of Engineer-in-Charge, including providing support system with 25mm x 300mm-400 mm wide plywood, as runner with proper prop below proposed micro beamsincluding</p> <p>a. Cutting of top flange of panel to 180 mm wide (leaving 25mm projection on either side) to provide RCC embedded micro beam as per cutting drawings and structural drawings.</p>	sqm	238.45

Sl.	Description of Item	Unit	Rate
	<p>b. Reinforcement for micro beams and tie beams to be provided in position with proper anchorage as per structural drawings.</p> <p>c. Provision for Electrical cabling, fan hooks and laying of pipes for plumbing work.</p> <p>d. Concreting of Tie beam, micro beam and top of GFRGpanels (50 mm thick) with M-25 cement concrete mix using coarse aggregate of size less than 20 mm including laying of 10 gauge 100mmx100mm size weld mesh with 25 mm effective cover from the panel top.</p>		
20	Supplying and fixing 10 Gauge weld mesh of size 100mm x100 mm for floor/roof slab concrete screed over the micro beams as reinforcement. The weld mesh shall be fixed as per drawing.	sqm	236.00
21	Application of ZMB 60/equivalent solution (100 Kg ZMB 60/equivalent, 1 litre ZMB Nano Thinner, 20 litre water & 1 Litre Zycoprime/equivalent = 122 litre/kg) over already applied coat of Zycosil/equivalent & Zycoprime/ equivalent solution on the top of all the RCC plinth beams by brush/spray coat before erection of GFRG over RCC plinth beams in GF. In the case of upper floors 150 mm wide on floor slab for all the external walls, bath/toilet/wet areas (3 hrs drying time) before erection of wall panel on upper floors including erection of parapet wall.	sqm	302.20
22	After erection of GFRG wall panels, seal all GFRG wall joints with paper tape temporarily. Water proofing treatment of vertical joints with Zycosil/equivalent waterproofing Solution (1 litre of Zycosil/equivalent & 20 litres of water stirred first & 2 litres of Zycoprime/equivalent added and stirred (total 23 litres)) with 50 ml syringe till the gap and in filled concrete is completely saturated. After removing the paper seal, seal off the vertical joints with water proofing material "Grout RW/equivalent" (Sealing cost excluded.)	metre	85.15

Sl.	Description of Item	Unit	Rate
23	Filling of joints between RCC plinth beam / floor slab and wall panel of external walls, toilet / bath room / wet areas walls on all floor and parapet wall over roof slab, stair case head room at the time of erection of GFRG panels with Grout RW/equivalent sealant compound after the erection of panel before the infill of concrete in panel cavities and fine finish. This applies for all horizontal and vertical joints between GFRG wall and slab panels.	metre	41.55
24	Water proofing treatment of Vertical joints (of external side and internal side) between door frame, window & ventilator frames (on all four sides) of outer wall over the Zycosil/equivalent & Zycoprime/equivalent solution already applied (before the installation of door / window / ventilator frames in position) and fine finish with Grout RW/equivalent.	metre	42.35
25	Water proofing treatment of RCC sunshade with Zycosil/ equivalent water proofing Solution (1 litre of Zycosil/ equivalent & 20 litres of water stirred first & 2 litres of Zycoprime/equivalent added and stirred (total 23 litres)) till it meets the saturation level and testing as per RILEM or by water drops test in which water drops do not absorb but drops remain or rolls.	sqm	135.80
26	In-filling / sealing of joint between RCC lintel cum sunshade and wall (on external side) in all floors by pushing in Grout RW/equivalent in paste form and coving 20 mm x 20 mm after applying a coat of Zycosil/equivalent & zycoprime/equivalent solution before cement plastering of top, bottom and sides of RCC sunshade.	metre	42.35
G. FACTORY MADE FAST TRACK MODULAR BUILDING SYSTEM			
27	Providing and fixing roofing consist of 0.8 mm thick galvanized steel deck sheet conforming to IS 277:1992 used as permanent shuttering over which MS wire mesh 3mm laid at 100x100 mm grid including edge trim covered with concrete. This metal deck will be supported on structural steel beam with shear studs. (Structural steel like Beam, column, joists etc. & concrete of different grade as per design will be paid separately).	sqm	1630.40

Sl.	Description of Item	Unit	Rate
28	<p>Providing and fixing in position, 130 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia zinc coated G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall and connected by GI wire of 3mm dia at alternate row by welding. The EPS core shall consist of 60 mm thick EPS of density not less than 16 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 35 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} with the help of shotcreting/ guniting equipment etc, at a pressure not less than 1 bar (100KN/m²) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge.</p>	sqm	2415.85