

**PUBLIC WORKS DEPARTMENT  
ARUNACHAL PRADESH**



**SCHEDULE OF RATES**

**FOR**

**BUILDING WORKS AND SERVICES  
October - 2007**

**PUBLISHED UNDER THE AUTHORITY OF  
THE CHIEF ENGINEER (DESIGN & PLANNING) P.W.D.,  
ARUNACHAL PRADESH  
ITANAGAR – 791 111**

## FOREWORD

The Schedule of Rate (Building Works and Services) under PWD, Arunachal Pradesh 2006 last released and circulated in soft copies by the Chief Engineer, Eastern Zone, during last financial year. It is now proposed to release of the new version of the SOR and it would be titled as : **Arunachal Pradesh Works Department Schedule of Rate (Building Works and Services) 2007.**

The Revision of the SOR has been necessitated because of the increase in the cost of basic road construction materials such as cement, steel etc. over the past one year as noticed in the market. The basic labour costs have, however, not changed substantially. Hence the rates of labour adopted for SOR 2007 are the same as those in SOR 2006. On the other hand, minor changes observed in the market rates of POL items have been incorporated in the new Schedule. Further, the rates adopted for the basic inputs are those as existing in and around the capital complex comprising of Itanagar, Naharlagun and Nirjuli townships.

The basic structure and methodology for analysis of items is as per the **Delhi Analysis of Rates**, formulated by the Central Public Works Department (CPWD), New Delhi. For undertaking the analysis, a computer programme has been developed in-house using Microsoft Excel software. The will enable the Department to update the Schedule of Rate as and when required applying market rates of basic inputs.

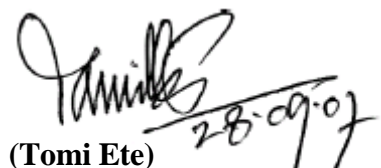
A few roofing items using corrugated and roughed Aluminum roofing sheets have been introduced in the new schedule. The new roofing types will cater to the special needs of major building projects likely to be taken up under PWD and other works agencies.

I would like to record my sincere thanks and gratitude to Er. Bora Ete, Chief Engineer (Eastern Zone) and his team of dedicated officers and staff for rendering all possible help to this office in bringing out this Schedule of Rate.

Although, all possible care has been taken for updating the schedule, there may still be scopes for improving it further. Therefore, all Superintending Engineers and Executive Engineers may feel free to give their suggestions for improvement, or point out any error, if any.

I take pleasure in releasing this new SOR viz. Arunachal Pradesh Public Works Department Schedule of Rates (Building Works and Services) 2007 for official use.

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## INDEX

Basic rates	1
Lead chart for carriage of materials to various destinations in Arunachal Pradesh from Guwahati	13
Carriage of materials by Mechanical Transport	14
1. TEMPORARY ITEMS	18
2. EARTHWORK	20
3. MORTARS	24
4. CONCRETE WORK	25
5. RCC WORK	32
6. BRICK WORK	43
7. STONE WORK	45
8. WALLING	47
9. WOOD WORK	48
10. STEEL WORK	57
11. FLOORING	59
12. ROOFING	66
13. FINISHING	73
14. REPAIRS TO BUILDINGS	83
15. DISMANTLING	86
16. MISCELLANEOUS	90
17. DRAIN	95
18. WATER SUPPLY	97
19. SANITARY INSTALLATION	101

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
A0001	Bandhani	Each	100.00
A0002	Belder	Each	100.00
A0003	Bhisti	Each	100.00
A0004	Blacksmith 1st Class	Each	180.00
A0005	Blacksmith 2nd Class	Each	140.00
A0006	Carpenter 1st Class	Each	180.00
A0007	Carpenter 2nd Class	Each	140.00
A0008	Chowkidar	Each	100.00
A0009	Coolie Female	Each	100.00
A0010	Coolie	Each	100.00
A0011	Fitter	Each	180.00
A0012	Assistant Fitter	Each	140.00
A0013	Mason 1st Class	Each	180.00
A0014	Mason 2nd Class	Each	140.00
A0015	Mate	Each	140.00
A0016	Mistry	Each	140.00
A0017	Painter	Each	140.00
A0018	Rock cutting Labour Excavator	Each	100.00
A0019	Rock cutting Labour Breaker	Each	100.00
A0020	Rock cutting Labour Hole driller	Each	140.00
A0021	Rock cutting Labour Chiseller	Each	140.00
A0023	Skilled Beldar for floor rubbing etc.)	Each	140.00
A0024	Thatcher	Each	140.00
A0025	Assistant Thatcher	Each	100.00
A0026	White Washer	Each	140.00
A0030	Glazier	Each	180.00
B0051	Ballies 80 to 100 mm dia	Metre	36.25
B0052	Ballies 100 to 150 mm dia	Metre	43.50
B0053			
B0054			
B0055			
B0056	3rd class Local wood 150 mm dia	Metre	33.35
B0057			
B0057			
B0058			
B0059	3rd class local wood (Dressed) 100 mm dia	Metre	31.90
B0060	3rd class local wood (Dressed) 125 mm dia	Metre	33.35
B0061	3rd class local wood (Dressed) 150 mm dia	Metre	36.25
B0062	Bamboo 8-10 mm dia	100 Nos	4,900.00
B0063	Muli bamboo (best quality 25 to 40 mm dia)	1000 Nos	14,500.00
B0064	Blasting Materials Detonators	Each	8.00
B0065	Blasting Materials Fuse coil	per Coil	30.00
B0066	Blasting Materials Gelatine	Kg	120.00
B0068	Stone shingle 6 mm nominal size	Cub.m	1,540.00
B0069	Stone shingle 10 mm nominal size	Cub.m	1,490.00
B0070	Stone shingle 12.5 mm nominal size	Cub.m	1,150.00
B0071	Stone shingle 20 mm nominal size	Cub.m	990.00

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0072	Stone shingle 40 mm nominal size	Cub.m	520.00
B0073	Stone shingle 50 mm nominal size	Cub.m	480.00
B0090	Broken Stone Aggregate 40 mm size	Cub.m	540.00
B0089	Broken Stone Aggregate 50 mm size	Cub.m	520.00
B0092	Broken Stone Aggregate 20 mm size	Cub.m	560.00
B0093	Broken Stone Aggregate 12.50 mm size	Cub.m	870.00
B0094	Broken Stone Aggregate 10 mm size	Cub.m	1,400.00
B0095	Broken Stone Aggregate 6 mm single size	Cub.m	1,540.00
B0096	Fine sand	Cub.m	445.00
B0097	Coarse sand	Cub.m	445.00
B0098	Best quality locale bricks	1000 Nos	3,791.30
B0099	2nd Quality local bricks	100 Nos	3,625.00
B0101	Bricks Aggregate	Cub.m	1,015.00
B0102			
B0103	Bricks Aggregate (one size) 50 mm nominal	Cub.m	945.50
B0104	Bricks Aggregate (one size) 40 mm nominal	Cub.m	957.00
B0105	Bricks Aggregate (one size) 25 mm nominal	Cub.m	986.00
B0106	Bricks Aggregate (one size) 20 & 12.50 mm	Cub.m	1,015.00
B0107	Cement	Mt	6,018.00
B0108	White cement	Mt	33,350.00
B0109	Dehradu White Lime	Qtl	1,400.00
B0111	Satna Lime	Qtl	1,250.00
B0112	Unslaked Lime	Qtl	960.00
B0113	Fat Lime	Qtl	1,247.00
B0114	Coal Tar	Litre	65.25
B0115	Bitumen S/90	Mt	28,023.00
B0116	Bitumen 80/100	Mt	28,023.00
B0117	Insulating Board 12 mm thick	Sq.m	750.00
B0118	Impregrated fibre boars 12 mm thick	Sq.m	572.75
B0119	Teak wood particle board 12 mm thick	Sq.m	450.00
B0120	Flat pressed 3 layer particle boars	Sq.m	980.00
B0121	Extra for particle board each face	Sq.m	348.00
B0125	Steam Coal	Qtl	870.00
B0126	Fire Wood	Qtl	200.00
B0127	Dry Distemper	Kg	75.00
B0134	Al Fitting (Butt hinges) 125x75x4 mm	10 Nos	500.00
B0135	Al Fitting (Butt hinges) 125x63x4 mm	10 Nos	470.00
B0136	Al Fitting (Butt hinges) 100x75x4 mm	10 Nos	450.75
B0137	Al Fitting (Butt hinges) 100x75x3.2 mm	10 Nos	435.00
B0138	Al Fitting (Butt hinges) 100x63x4 mm	10 Nos	446.60
B0139	Al Fitting (Butt hinges) 75x63x4 mm	10 Nos	391.00
B0140	Al Fitting (Butt hinges) 75x63x3.2 mm	10 Nos	261.00
B0141	Al Fitting (Butt hinges) 50x45x3.2 mm	10 Nos	217.00
B0144	Al Fitting (Handles) 125 mm with PL.17 mm	10 Nos	375.00
B0145	Al Fitting (Handles) 100 mm with PL.15 mm	10 Nos	325.00
B0146	Al Fitting (Handles) 75 mm with PL.12 mm	10 Nos	275.00
B0147	Al Fitting (Screw) 50 mm	100 Nos	40.00
B0148	Al Fitting (Screw) 40 mm	100 Nos	35.00
B0149	Al Fitting (Screw) 30 mm	100 Nos	35.00

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0150	Al Fitting (Screw) 25 mm	100 Nos	25.00
B0151	Al Fitting (Screw) 20 mm	100 Nos	20.00
B0152	Al Fitting (Sliding door bolts) 300x16 mm	Each	125.00
B0153	Al Fitting (Sliding door bolts) 250x16 mm	Each	100.00
B0154	Al Fitting (T. bolts Barrel type) 300x10 mm	Each	900.00
B0155	Al Fitting (T. bolts Barrel type) 250x10 mm	Each	461.15
B0156	Al Fitting (T. bolts Barrel type) 125x10 mm	Each	322.00
B0157	Al Fitting (T. bolts Barrel type) 100x10 mm	Each	284.00
B0166	Kicking plate 50 cm long 100x15 mm	Each	168.00
B0168	Ox. MS Butt (Handles) 125 mm	Each	18.00
B0169	Ox. MS Butt (Handles) 100 mm	Each	15.00
B0170	Ox. MS Butt (Handles) 75 mm	Each	12.00
B0171	Ox. MS Hapse and Staples (150 mm)	10 Nos	450.00
B0172	Ox. MS Hapse and Staples (115 mm)	10 Nos	425.00
B0173	Ox. MS Hapse and Staples (90 mm)	10 Nos	400.00
B0175	Ox. MS Butt hinges 75x47x1.70 mm	10 Nos	105.00
B0180	Ox. MS Hooks and Eyes 300 mm	10 Nos	195.00
B0181	Ox. MS Hooks and Eyes 250 mm	10 Nos	175.00
B0182	Ox. MS Hooks and Eyes 200 mm	10 Nos	140.00
B0183	Ox. MS Hooks and Eyes 150 mm	10 Nos	137.00
B0183	Ox. MS Hooks and Eyes 100 mm	10 Nos	125.00
B0186	Ox. MS Screws 40 mm	100 Nos	95.00
B0188	Ox. MS Screws 25 mm	100 Nos	50.00
B0206	Ox. MS Door Latch 300x20x6 mm	100 Nos	101.50
B0207	Ox. MS Door Latch 250x20x6 mm	100 Nos	87.00
B0208	MS Bolt and Nuts 50x6 mm	Each	5.80
B0216	Iron Butt Hinges 125x65x2.12 mm	10 Nos	325.00
B0217	Iron Butt Hinges 100x58x1.90 mm (Medium)	10 Nos	110.00
B0218	Iron Butt Hinges 75x47x1.70 mm	10 Nos	95.00
B0219	Iron Butt Hinges 50x37x1.50 mm (Medium)	10 Nos	90.00
B0229	MS Screw 50 mm	100 Nos	78.00
B0230	MS Screw 45 mm	100 Nos	70.00
B0231	MS Screw 40 mm	100 Nos	70.00
B0232	MS Screw 30 mm	100 Nos	55.00
B0233	MS Screw 25 mm	100 Nos	50.00
B0234	MS Screw 20 mm	100 Nos	45.00
B0235	MS Sliding Door Bolts 300x16 mm	Each	164.00
B0236	MS Sliding Door Bolts 250x16 mm	Each	90.00
B0237	MS Tower Bolts (Barrel) 250x10 mm	Each	57.85
B0238	MS Tower Bolts (Barrel) 200x10 mm	Each	36.00
B0239	MS Tower Bolts (Barrel) 150x10 mm	Each	35.00
B0240	MS Tower Bolts (Barrel) 100x10 mm	Each	35.00
B0247	Iron T-Hinges 300x115x2.24 mm	10 Nos	377.00
B0248	Iron T-Hinges 250x100x2.24 mm	10 Nos	290.00
B0251	MS Piano hinges finish with Nickel plating	Metre	52.20
B0264	Prt. Board (Teak wood ply both) 40 mm	Sq.m	1,500.00
B0265	Prt. Board (Teak wood ply both) 35 mm	Sq.m	1,300.00
B0267	Prt. Board (Teak wood ply both) 25 mm	Sq.m	1,100.00

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0268	Prt. Board (Commercial) 40 mm	Sq.m	900.00
B0269	Prt. Board (Commercial) 35 mm	Sq.m	850.00
B0270	Prt. Board (Commercial) 30 mm	Sq.m	800.00
B0285	GI Corrugated sheets	Qtl	4,945.00
B0286	GI Plain sheets (0.80 mm....0.63 mm)	Qtl	4,432.20
B0287	Glass sheet of 2 to 3 mm thick	Sq.m	350.00
B0291	Superior plate glass 4 mm thick	Sq.m	375.00
B0292	Frosted glass panes 2 mm thick	Sq.m	387.00
B0296	AC sheet (plain) 4 mm thick	Sq.m	138.00
B0297	Glass Strips 4 mm thick 40 mm wide	Metre	43.50
B0298	Glass Strips 6 mm thick 40 mm wide	Metre	46.40
B0301	Aluminium Strips	Kg	214.60
B0302	AC Plain sheets plain 6 mm thick	Sq.m	203.00
B0303			
B0304	Standard Quality hard board sheet 4 mm thick	Sq.m	130.00
B0305	Glue for wood work	Kg	140.00
B0306	Hessian Cloth	Sq.m	22.00
B0307	Hiramachi	Qtl	2,000.00
B0308	Jali (Cement concrete) 50 mm thick	Sq.m	350.00
B0309	Jali (Cement concrete) 40 mm thick	Sq.m	200.00
B0310	Jali (Cement concrete) 25 mm thick	Sq.m	170.00
B0318	Pulleys 38 mm dia	Each	290.00
B0320	Marble chips up to 4 mm and down size	Qtl	500.00
B0321	Marble chips up to 4 mm and down size	Qtl	600.00
B0322	Marble chips up to 4 mm and down size	Qtl	609.00
B0323	Marble chips above 4 mm white & black	Qtl	478.50
B0324	Marble dust/powder	Cub.m	4,132.50
B0326	Diesel oil	Litre	30.44
B0327	Kerosine Oil	Litre	25.00
B0328	Linseed Oil (raw)	Litre	116.00
B0330	Turpentine Oil	Litre	83.30
B0331	Dhari 90 x 90 cm size	100 Nos	928.00
B0332	Dhari mat 1.37 x 1.83 m size	Each	27.55
B0335	Coir rope	Kg	69.00
B0336	Aluminium Paints	Litre	250.00
B0337	Anticorrosive Bituminous Paint (Black)	Litre	175.00
B0338	Black Japan paint	Litre	200.00
B0339	Enamel Paint	Litre	165.00
B0342	Emulsion Plastic Paint	Litre	225.00
B0344	Superior ready mixed paint for wood work	Litre	227.25
B0345	Superior ready mixed paint for steel work	Litre	227.25
B0346	Roofing paint for Iron sheets in W/Green	Litre	167.00
B0348	Red Lead (Ready Mixed) paint	Litre	174.00
B0349	Zinc chromate yellow primer (Ready mixed) mixed	Litre	150.00
B0350	White Lead	Litre	94.25
B0351	Water Proofing cement paint	Kg	175.00
B0353	Floor enamel paint in all shades	Kg	290.00
B0355	Oil type preservative	Litre	250.00
B0356	Paint remover	Litre	160.00

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0360	Sunthetic enamel paint black or chocolate	Litre	167.00
B0362	Pigment for flooring Black colour dark	Mt	125.00
B0363	Pigment for flooring Red chocolate light	Kg	140.00
B0364	Pigment for flooring Green or Blue	Kg	125.00
B0365			
B0366	AC RW Pipes 80/76.2 mm dia	Each	159.50
B0367	AC RW Pipes 100/101.6 mm dia	Each	319.00
B0373	AC Std. Shoe 80/76.2 mm dia	Each	63.80
B0374	AC Std. Shoe 100/101.6 mm dia	Each	72.50
B0376	AC off 50/52.2 mm Projection 80/76.2 mm dia	Each	63.80
B0377	AC off 50/52.2 mm Projection 100/101.1 mm dia	Each	66.70
B0382	AC off 150/152.2 mm Projection 80/76.2 mm dia	Each	159.50
B0383	AC off 150/152.2 mm Projection 100/101.6 mm	Each	174.00
B0386	AC Bends 80/76.2 mm dia with door	Each	116.00
B0388	AC Bends 100/101.6 mm dia with door	Each	188.50
B0390	AC RW Head 80 mm dia	Each	72.50
B0391	AC RW Head 100 mm dia	Each	101.50
B0396	AC sheet (Corrugated) 6 mm thick	Sq.m	180.00
B0397	AC sheet (Corrugated) 7 mm thick	Sq.m	180.00
B0398	Serrated or plain wing Adjustable ridge	Pair	170.00
B0399	Close fitting adjust. Ridge 1.10 m long	Pair	200.00
B0403	CI RW pipe 75 mm dia 1.80 m long	Each	600.00
B0404	CI RW pipe 100 mm dia 1.80 m long	Each	490.00
B0405	CI RW pipe 150 mm dia 1.80 m long	Each	1,250.00
B0406	CI Plain bend 75 mm dia (Inner)	Each	190.00
B0407	CI Plain bend 100 mm dia (Inner)	Each	225.00
B0408	CI Plain bend 150 mm dia (Inner)	Each	152.10
B0409	CI Head flat or Cormer type bend 75 mm	Each	225.00
B0410	CI Head flat or Cormer type bend 100 mm	Each	270.00
B0411	CI Head flat or Cormer type bend 150 mm	Each	650.00
B0412	CI plain shoe 75 mm dia (Inner)	Each	315.00
B0413	CI plain shoe 100 mm dia (Inner)	Each	475.00
B0414	CI plain shoe 150 mm dia (Inner)	Each	580.00
B0415	CI off (Plain) 75 mm dia, 55 mm Projection	Each	114.55
B0416	CI off (Plain) 75 mm dia, 150 mm Projection	Each	152.55
B0417	CI off (Plain) 100 mm dia, 55 mm Projection	Each	159.50
B0418	CI off (Plain) 100 mm dia, 150 mm Projection	Each	176.90
B0419	CI off (Plain) 150 mm dia, 55 mm Projection	Each	232.00
B0420	CI off (Plain) 150 mm dia, 150 mm Projection	Each	391.50
			180.00
B0435	SW pipe 100 mm dia 600 mm long	Each	180.00
B0436	Cement pipe 100 mm dia 600 mm long	Each	174.00
B0439	Aluminium Primer	Litre	165.00
B0440	Cement Primer	Litre	140.00
B0441	Distemper Primer	Litre	120.00
B0442	Prink Primer for wood	Litre	125.00



## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0443	Primer for expansion joint	Litre	179.80
B0445	Wax polish (ready made)	Kg	225.00
B0448	Rolling Shutters made of 80x1.25 mm	Sq.m	1,595.00
B0449	Top cover of rolling shutter	Metre	526.35
B0450	27.50 cm long wire spring No. 2	Each	394.40
B0451	Ball bearing for rolling shutters	Each	197.20
B0452	Spirit	Litre	58.00
B0453			
B0454	Hard Board sheet 3 mm thick	Sq.m	130.00
B0455			
B0462	Mild steel Barbed wire	Qtl	3,800.00
B0464	Steel Bolts, Nuts & Washers up to 300 mm long	Qtl	5,000.00
B0465	Steel Bolts, Nuts & Washers above 300 mm long	Qtl	5,000.00
B0467	Mild steel Expanded metal 20x60mm	Sq.m	137.75
B0468	MS Flate exceeding 3.15 mm	Qtl	3,617.50
B0469	MS Flate up to 3 mm	Qtl	3,639.50
B0471	20 mm holding down bolts	Qtl	5,147.50
B0475	Mild steel bars above 16 mm dia	Qtl	2,399.75
B0476	Mild steel round bars	Qtl	2,399.75
B0477	Twisted steel/deformed bars	Qtl	3,345.60
B0480	Structural steel such as T, Angle & Channels etc.	Qtl	3,393.10
B0482	Mild steel tubes, 40 mm & 50 mm dia	Kg	40.60
B0486	GI Barbed Wire	Qtl	4,800.00
B0487	GI "J" or "L" hooks 8 mm dia	Each	8.00
B0488	GI Bolts and nuts (38x8 mm)	Each	8.00
B0489	GI seam bolts and nuts (25x6 mm)	Each	1.90
B0493	Through and bond stone	100 Nos	108.75
B0502	Stone at Quarry	Cub.m	398.75
B0503	Stone for Masonry work	Cub.m	425.00
B0504			
B0505	Tiles Cheqq. terra 22 mm thick Light shade	Sq.m	784.45
B0506	Tiles Cheqq. terra 22 mm thick Medium shade	Sq.m	785.90
B0507	Tiles Cheqq. terra 22 mm thick Dark shade	Sq.m	797.50
B0511	Tiles PC terra 20 mm thick Light shade	Sq.m	406.00
B0512	Tiles PC terra 20 mm thick Medium shade	Sq.m	406.00
B0513	Tiles PC terra 20 mm thick Dark shade	Sq.m	406.00
B0514	White glazed tiles 150x150x5 mm thick	10 Nos	218.95
B0515			
B0516	Timber Plank - Class A iv	ten cubic dm	350.00
B0517	Timber Plank B I	ten cubic dm	118.55
B0518	Timber Plank Class C	ten cubic dm	110.95
B0519	Timber Scantling - Class A iv	ten cubic dm	100.65
B0520	Timber scanting class B I	ten cubic dm	97.25
B0521	Timber scanting class B II	ten cubic dm	77.60
B0522	Timber scanting class C	ten cubic dm	68.90
B0532	Bhusa	Kg	11.60
B0536	Vision panel Square (Sqm) of door area	Sq.m	72.50
B0537	Vision panel Circle (Sqm) of door area	Sq.m	134.85
B0538	Louvers Deco. type (Sqm) of door area	Sq.m	246.50

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0539	Louvers Comm. type (Sqm) of door area	Sq.m	200.55
B0541	Hoop Iron 25 mmx1.60 mm	Qtl	5,075.00
B0543	Mud (dry)	Cub.m	58.00
B0544	Ordinary Varnishes	Litre	184.15
B0545	Superior Copal varnishes	Litre	192.85
B0546	Superior Spar varnishes	Litre	230.55
B0548	Rivets (16 mm dia 50 mm long)	Qtl	5,887.00
B0549	Redoxide	Kg	95.00
B0550	Surkhi	Cub.m	754.00
B0551	Sun grass (thatch) 30 cm dia bundle	100 Bundles	435.00
B0552	GI Limpet washer	Each	0.40
B0553	Bitumen washer	Each	0.25
B0554	GI plain washer	Each	0.60
B0557	Water Proofing materials	Kg	58.00
B0560	Welding by gas plant	Cm	5.20
B0561	Welding by Electric plant	Cm	4.35
B0562	Whiting	Qtl	1,392.00
B0563			
B0564	Wooden Plug	Each	5.80
B0565	Wire (G.I.)	Qtl	4,800.00
B0568	Mesh wire gauge 24 BWG	Sq.m	120.00
B0570	100 mm mortar latch & lick (Chrom plated)	Each	128.00
B0571	Blown or / and residual bitumen	Mt	22,318.40
B0572	Bitumen felt type 2 grade I	Sq.m	50.90
B0573	Bitumen felt type 3 grade I	Sq.m	41.20
B0574	Bitumen solution primer	Litre	35.95
B0575	Under Layer bitumen felt type I	Sq.m	43.50
B0576	Plastic roofing compound black	Qtl	2,500.00
B0577	Liquid Plastic roofing compound	Litre	145.00
B0578	MS holder bat clamp 75 mm	Each	17.00
B0579	MS holder bat clamp 100 mm	Each	21.75
B0580	MS holder bat clamp 150 mm	Each	30.45
B0581	Welded steel wire fabric	Sq.m	275.50
B0582	Copper Plate	Kg	540.00
B0583	Putty	Kg	82.65
B0584	Galss panes 2 mm thick	Sq.m	449.50
B0585	Glass panes 3 mm thick	Sq.m	638.00
B0587	Al Fittings (Butt hinges) 75x47x1.7 mm	10 Nos	140.65
B0588	Iron Butt Hinges 100x50x1.9 mm	10 Nos	110.00
B0589	Al Fittings (Butt hinges) 75x45x3.2 mm	10 Nos	217.00
B0590	Bitumen Sealing Compound	Litre	42.25
B0591	R.S. Joist	Qtl	3,842.50
B0593	RS or CI bracket for flushing cistern	Pair	65.00
B0595	Mahogany polished with lid	Each	96.00
B0596	Mahogany polished with lid	Each	80.00
B0597	Black plastic sheet and lid	Each	240.00
B0599	GI "J" or "L" hooks 10 mm dia	Each	8.00
B0607	Bracket GI for Flushing cistern	Each	65.00
B0610	CP brass chain with 32 mm rubber plug	Each	101.50

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0611	CP brass chain with 40 mm rubber plug	Each	130.50
B0612			
B0613	Cistern Low-level 12.5 Litre with fittings	Each	1,811.25
B0614	Auto CI flushing cistern 5 Litre capacity	Each	551.85
B0615	Auto CI flushing cistern 10 Litre capacity	Each	797.50
B0616	Auto CI flushing cistern 15 Litre capacity	Each	870.00
B0617	Auto CI Flushing cistern 12.50 Litres	Each	833.75
B0618	Holder bat clamp 32 mm	Each	58.00
B0628	Brass Bib cock 15 mm dia	Each	120.00
B0629	Brass Bib cock 20 mm dia	Each	160.00
B0630	Brass Bib cock 25 mm dia	Each	240.00
B0631	Brass Stop cock 20 mm dia	Each	160.00
B0632	Brass Stop cock 25 mm dia	Each	240.00
B0633	Brass Stop cock 25 mm dia	Each	240.00
B0634	Brass Stop cock 32 mm dia	Each	390.00
B0635	Brass Stop cock 40 mm dia	Each	892.00
B0636	Brass Stop cock 50 mm dia	Each	1,328.00
B0640	CI cover mosquito proof 25 mm	Each	761.25
B0641	CI cover with frame 300x300 mm inside	Each	980.00
B0646	Foot Rests Vitreous china 250x130x30 mm	Pair	150.00
B0647	Foot Rests Vitreous china 250x125x25 mm	Pair	150.00
B0667	Single socketed Asbestos Pipe 50 mm dia	Each	590.00
B0668	Single socketed Asbestos Pipe 75 mm dia	Each	600.00
B0669	Single socketed Asbestos Pipe 100 mm dia	Each	650.00
B0676	Equal Junction (Plain) 50x50x50 mm	Each	210.00
B0678	Equal Junction (Plain) 100x100x100 mm	Each	325.00
B0679	Equal Junction with Acc Door 50x50x50 mm	Each	250.00
B0680	Equal Junction with Acc Door 80x80x80 mm	Each	325.00
B0681	Equal Junction with Acc Door 100x100x10 mm	Each	390.00
B0705	HD Polythene Pipe 20 mm dia	Metre	39.15
B0706	HD Polythene Pipe 25 mm dia	Metre	56.55
B0707	HD Polythene Pipe 32 mm dia	Metre	88.45
B0708	HD Polythene Pipe 40 mm dia	Metre	140.65
B0709	HD Polythene Pipe 50 mm dia	Metre	223.30
B0718	GI Pipe 15 mm dia (Medium)	Metre	78.00
B0719	GI Pipe 20 mm dia (Medium)	Metre	100.00
B0720	GI Pipe 25 mm dia (Medium)	Metre	145.00
B0721	GI Pipe 32 mm dia (Medium)	Metre	185.00
B0722	GI Pipe 40 mm dia (Medium)	Metre	210.00
B0723	GI Pipe 50 mm dia (Medium)	Metre	300.00
B0724	GI Pipe 65 mm dia (Medium)	Metre	380.00
B0725	GI Pipe 80 mm dia (Medium)	Metre	490.00
B0788	GI Tees (Equal) GI Inlet connection	Each	580.00
B0789	Single socketed pipe 1.83 m long, 50 mm	Each	590.00
B0790	Single socketed pipe 1.83 m long, 75 mm	Each	600.00
B0791	Single socketed pipe 1.83 m long, 100 mm	Each	650.00
B0817	Sand cast Iron Heel rest Bend 50 mm	Each	170.00
B0818	Sand cast Iron Heel rest Bend 75 mm	Each	190.00
B0819	Sand cast Iron Heel rest Bend 100 mm	Each	225.00

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0823	PVC Connection pipe 30 cm long, 15 mm dia	Each	70.00
B0824	PVC Connection pipe 30 cm long, 20 mm dia	Each	125.00
B0825	PVC Connection pipe 45 cm long, 15 mm dia	Each	55.00
B0826	PVC Connection pipe 45 cm long, 20 mm dia	Each	87.00
B0829	NP2 class pipe 100 mm dia	Metre	245.05
B0830	NP2 class pipe 150 mm dia	Metre	323.35
B0831	NP2 class pipe 250 mm dia	Metre	472.70
B0832	NP2 class pipe 300 mm dia	Metre	682.95
B0833	NP2 class pipe 450 mm dia	Metre	1,485.85
B0835	NP2 class pipe 600 mm dia	Metre	2,150.35
B0836	NP2 class pipe 700 mm dia	Metre	2,227.20
B0839	NP2 class pipe 900 mm dia	Metre	3,368.35
B0840	NP2 class pipe 1000 mm dia	Metre	3,701.85
B0843	NP2 class Collars 100 mm dia	Each	64.89
B0844	NP2 class Collars 150 mm dia	Each	89.73
B0845	NP2 class Collars 250 mm dia	Each	124.28
B0846	NP2 class Collars 300 mm dia	Each	142.40
B0847	NP2 class Collars 450 mm dia	Each	341.90
B0849	NP2 class Collars 600 mm dia	Each	470.60
B0850	NP2 class Collars 700 mm dia	Each	507.50
B0853	NP2 class Collars 900 mm dia	Each	831.80
B0854	NP2 class Collars 1000 mm dia	Each	928.00
B0857	Stone ware pipes - 100 mm (60 cm long)	Each	137.75
B0858	Stone ware pipes - 150 mm (60 cm long)	Each	176.90
B0859	Stone ware pipes - 200 mm (60 cm long)	Each	240.70
B0866	Shower rose (for 15 mm to 20 mm inlet) 100 mm	Each	348.80
B0867	Shower rose (for 15 mm to 20 mm inlet) 150 mm	Each	532.20
B0869	Spun Yarn	Kg	58.00
B0870	Toilet paper holder of standard size	Each	560.00
B0871	Toilet paper holder of standard size	Each	420.50
B0882	HP with copper Floats 15 mm dia	Each	292.00
B0883	HP with copper Floats 20 mm dia	Each	399.00
B0884	LP with copper Floats 15 mm dia	Each	292.00
B0885	LP with copper Floats 20 mm dia	Each	399.00
B0886	LP with copper Floats 25 mm dia	Each	608.00
B0887	HP with Polythene Floats 15 mm dia	Each	69.60
B0888	HP or LP with Polythene Floats 20 mm dia	Each	81.20
B0889	HP or LP with Polythene Floats 25 mm dia	Each	116.00
B0893	Full way Valve (Brass) 32 mm dia	Each	540.00
B0894	Full way Valve (Brass) 40 mm dia	Each	892.00
B0895	Full way Valve (Brass) 50 mm dia	Each	1,328.00
B0896	Full way Valve (Brass) 65 mm dia	Each	1,579.00
B0897	Full way Valve (Brass) 80 mm dia	Each	2,824.00
B0898	Non Return Valve (GM) 25 mm dia	Each	320.00
B0899	Non Return Valve (GM) 32 mm dia	Each	479.00
B0900	Non Return Valve (GM) 40 mm dia	Each	685.00
B0901	Non Return Valve (GM) 50 mm dia	Each	1,077.00
B0902	Non Return Valve (GM) 65 mm dia	Each	1,739.00
B0903	Non Return Valve (GM) 80 mm dia	Each	3,059.50

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
B0912	Flat back WB (Vitreous China) 550x400 mm	Each	1,100.00
B0913			
B0914	India WC Pan size 580 mm	Each	818.80
B0915	Orissa WC Pan size 580 mm	Each	1,100.00
B0916	WC Pedestral (Vitreous China)	Each	1,900.00
B0917			
B0930	32 mm GI For flushing cistern	Each	300.00
B0931	20 m GI overflow pipe	Metre	232.00
B0932	100 mm sand CI 'P' oe 'S' trap with vent	Each	223.30
B0933	Urinal Basin	Each	550.00
B0934	GI Flush pipe	Each	150.00
B0935	CP brass pillar tap	Each	290.00
B0936	MI union 32 mm dia	Each	108.75
B0937	Porcelain stopper	Each	11.60
B0938	White plastic sheet and lid	Each	522.00
B0939	White glazed fire clay sink 600x450x150 mm	Each	1,850.00
B0940	White vitreous china sink 600x400x200 mm	Each	3,480.00
B0941	CP brass waste of standard pattern	Each	130.50
B0942	Rubber Plug	Each	50.75
B0943	CP brass waste 32 mm dia	Each	79.75
B0944	CP brass waste 40 mm dia	Each	116.00
B0945	MI fisher Union 32 mm dia	Each	23.20
B0946	MI fisher Union 40 mm dia	Each	23.20
B0947	CP brass or MI trap 32 mm dia	Each	87.00
B0948	CP brass or MI trap 40 mm dia	Each	116.00
B0949	HCI grating	Each	65.25
B0950	Mirror	Each	517.50
B0951	CP brass screws for Mirror	Each	9.00
B0952	Glass shelf with a guard rail	Each	920.45
B0953	CP brass towel rail	Each	325.00
B0954	Rubber Washer	Each	21.75
B0955	SCI trap with 100 mm inlet/100 mm outlet	Each	268.25
B0956	SCI trap with 100 mm inlet/75 mm outlet	Each	165.30
B0957	SCI trap with 100 mm inlet/50 mm outlet	Each	145.00
B0963	Full way Valve (Brass) 100 mm dia	Each	4,200.00
B0969	100 mm x 100 mm x Class A iv Batten	ten Cubic dm	105.75
B0973	16 mm dia holding down bolt	Qtl	3,550.00
B0974	Flats steel above 10 mm thickness	Qtl	4,350.00
B0975	Flats steels up to 10 mm thickness	Qtl	3,552.50
B0976	Steel plates 12 mm thick	Qtl	3,625.00
B0977	Shellac	Kg	278.40
B0997	Single Matting	Sq.m	2.30
B1520	GI Pipe 100 mm dia	Metre	735.00
B1521	GI Pipe 150 mm dia	Metre	1,347.00
B1522	Alumunium Corrugated/Troughed Sheet (0.65/0.71mm thick)	Qtl	20,687.00
B1523	Seam Bolt and nut	Set	2.70
B1524	J' Hook for tubes with bolt,nut, washer and bitumen	Set	16.85

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
C1005	Carriage of timber	Cub.m	-
C1014	Carriage - cement	Mt	-
C1041	Carriage of bricks	1000 Nos	-
C1050	Carriage of bitumen	Mt	-
C1059	Carriage of Sand,Aggregates,etc.	Cub.m	-
C1068	Carriage of SW pipes 300 mm dia	100 m	-
C1077	Carriage of SW pipes 450 mm dia	100 m	-
C1086	Carriage of SW pipes 600 mm dia	100 m	-
C1167	Carriage of NP2 100	100 m	-
C1185	Carriage of NP2 150	100 m	-
C1203	Carriage of NP2 250	100 m	-
C1212	Carriage of NP2 300	100 m	-
C1239	Carriage of NP2 450	100 m	-
C1248	Carriage of NP2 600	100 m	-
D1405	Road Roller (8 to 10 tonnes)	Hour	1,123.00
D1449	Water Pump (5 to 8 HP diesel)	Hour	33.35
L0001	Sundries		2.32
L0002	Carriage(coal tar/timber		2.32
L0003	Scaffolding etc.		2.32
L0004	Screw and nails etc.		2.32
L0005	Hire and running charges of mech mixer		2.32
L0006	Labour for hoisting & fixing		2.32
L0007	Lifting		2.32
L0009	Cement and Sand (Mortar)		2.32
L0011	Labour for screening and spreading grit		2.32
L0012	Clamps		2.32
L0013	Extra Labour		2.32
L0015	Indigo, Gum, copper sulphate etc		2.32
L0016	Coloring staff		2.32
L0017	Brushes, sand papers, putty soap etc.		2.32
L0019	Repairs to scratches		2.32
L0020	Painting two coats of coal tar		2.32
L0021	Disposal of Mulba		2.32
L0022	Painting or varnishing or leeswaxing		2.32
L0023	Methylated spirit		2.32
L0024	Making good the holes		2.32
L0027	Concrete for fixing		2.32
L0028	Disposal of earth spread over floor portion		2.32
L0029	Handle and locking arrangement		2.32
L0030	Bolts & Nuts		2.32
L0031	Cement Concrete (1: 2: 4)		2.32
L0032	Rivets, fixing hooks, washers etc.		2.32
L0033	MS Flats 25x3 mm & 10 cm long over bra		2.32
L0034	Welding charges		2.32
L0035	Nails and spikes		2.32
L0036	Special for overflow pipes		2.32

## BASIC RATES FOR APPWDSR-2007

<i>Code</i>	<i>Items</i>	<i>Units</i>	<i>APPWDSR'07</i>
L0037	Red lead, white lead and gasket		2.32
L0038	Cement, sand and grit etc		2.32
L0039	Cement, mortar, spun yarn		2.32
L0040	Polishing of wooden seat and cleaning		2.32
L0041	White lead, Hemp, oil etc		2.32
L0042	Av cost of running & unpkp of mortar		2.32
L0043	Coir and Jute string		2.32
L0045	Rubbish		2.32
L0046	Plugs, Screws etc		2.32
L0047	Wire and nails		2.32
L0048	Fixing		2.32
L0049	Painting brackets and fittings		2.32
L0050	Add for delay		2.32
L0052	Cherqured Plate		2.32
L0053	Extra for removing burrs, cleaning complete		2.32
L0054	Gum, Glue		2.32
L0055	Lime		2.32
L0057	Spreading earth on floor (75 mm thick)		2.32
L0059	Kerosene Oil, Linseed oil etc.		2.32
L0060	Pigment (color)		2.32
L0062	White wooden cloth		2.32
L0063	Wooden Plug		2.32
L0064	GI stapples or binding wire		2.32
L0066	Cement for neat finishing		2.32
L0067	Wooden block and screws		2.32
L0068	Iron Gratings 150 mm dia		2.32
L0069	Exca. Trans. & stacking post to required		2.32
L0070	Transporting and stacking		2.32
L0071	Cutting		2.32
L0072	Excavation in circulars		2.32
L0073	Painting two or more coats to exposed surface		2.32
L0085	Mortar for printing in white cement		2.32
L0086	Deduction for Gur and Belgri		2.32
L0088	Applying steel primer		2.32
L0089	Carriage, fixing charges		2.32
L0091	Painting brushes, tarpentine, utensils etc.		2.32
L0093	Sundries and scaffolding		2.32
L0095	Sundries and Labour		2.32
L0096	Carriage of WP Materials and Labour		2.32
L0097	Sundries and carriage		2.32
L0098	Carriage, including cement and sand		2.32
L0099	Morter for fixing		2.32
	Costs		
L0100	Labour for beating lime concrete		2.32
L0101	Raking out joint		2.32
L0102	Extra for delay and Sundries		2.32

**LEAD CHART FOR CARRIAGE OF MATERIALS TO VARIOUS DESTINATIONS  
IN ARUNACHAL PRADESH FROM GUWAHATI**

**ALONG CIRCLE**

- |    |                    |   |         |
|----|--------------------|---|---------|
| 1. | Guwahati to Along  | = | 715 Km. |
| 2. | Guwahati to Yomcha | = | 802 Km. |

**BASAR CIRCLE**

- |    |                       |   |         |
|----|-----------------------|---|---------|
| 1. | Guwahati to Basar     | = | 665 Km. |
| 2. | Guwahati to Dumporijo | = | 780 Km. |
| 3. | Guwahati to Daporijo  | = | 789 Km. |

**BOLENG CIRCLE**

- |    |                       |   |         |
|----|-----------------------|---|---------|
| 1. | Guwahati to Pasighat  | = | 670 Km. |
| 2. | Guwahati to Boleng    | = | 760 Km. |
| 3. | Guwahati to Yingkiang | = | 835 Km. |
| 4. | Guwahati to Mariyang  | = | 887 Km. |

**JAIRAMPUR CIRCLE**

- |    |                       |   |         |
|----|-----------------------|---|---------|
| 1. | Guwahati to Jairampur | = | 587 Km. |
| 2. | Guwahati to Changlang | = | 589 Km. |
| 3. | Guwahati to Khonsa    | = | 633 Km. |
| 4. | Guwahati to Longding  | = | 685 Km. |

**TEZU CIRCLE**

- |    |                             |   |         |
|----|-----------------------------|---|---------|
| 1. | Guwahati to Namsai          | = | 545 Km. |
| 2. | Guwahati to Tezu            | = | 602 Km. |
| 3. | Guwahati to Roing via Makum | = | 587 Km. |
| 4. | Guwahati to Hayuliang       | = | 702 Km. |
| 5. | Guwahati to Anini           | = | 821 Km. |

**RUPA CIRCLE**

- |    |                       |   |         |
|----|-----------------------|---|---------|
| 1. | Guwahati to Bomdila   | = | 364 Km. |
| 2. | Guwahati to Tawang    | = | 521 Km. |
| 3. | Guwahati to Kalaktang | = | 398 Km. |
| 4. | Guwahati to Seppa     | = | 388 Km. |
| 5. | Guwahati to Bameng    | = | 440 Km. |

**NAHARLAGUN CIRCLE**

- |    |                     |   |         |
|----|---------------------|---|---------|
| 1. | Guwahati to Ziro    | = | 506 Km. |
| 2. | Guwahati to Sangram | = | 616 Km. |
| 3. | Guwahati to Doimukh | = | 408 Km. |
| 4. | Guwahati to Sagalee | = | 468 Km. |

**CAPITAL CIRCLE**

- |    |                        |   |         |
|----|------------------------|---|---------|
| 1. | Guwahati to Itanagar   | = | 410 Km. |
| 2. | Guwahati to Naharlagun | = | 400 Km. |
| 3. | Guwahati to Banderdewa | = | 380 Km. |



**CARRIAGE OF MATERIALS BY MECHANICAL TRANSPORT**  
(INCLUDING LOADING, UNLOADING AND STACKING)

Lead in Km (L)	Average speed (S)	Number of trips (N) =8/(2L/S)+1	Number of KM done (2NL+6)	Diesel consumption (Litre)	Cost of Diesel @ Rs.30.44 per Litre (Litre)	Mobil oil consumption (Litre)	Cost of Mobil oil @ Rs.138.00 per Litre (Litre)	Cost of labour (male) 5 Nos. @ Rs.100.00 +1/6 for P.H.	Hire Charges of truck per day	Total Cost (C6+C8 C9+C10)	Cost per trip (C11/C3)	Increase in cost per Km over previous Km	Avg. cost per addl.Km after 1st (5Km, 10Km, 20Km)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	16.00	7.11	20.22	4.04	122.98	0.144	19.87	583.33	1013.00	1739.18	244.57	-	
2	17.00	6.48	31.90	6.38	194.21	0.228	31.46	583.33	1013.00	1822.00	281.34	36.77	
3	17.50	5.96	41.74	8.35	254.17	0.298	41.12	583.33	1013.00	1891.62	317.52	36.18	
4	18.00	5.54	50.31	10.06	306.23	0.359	49.54	583.33	1013.00	1952.10	352.46	34.94	
5	18.50	5.19	57.93	11.58	352.5	0.414	57.13	583.33	1013.00	2005.96	386.28	33.82	
6	19.00	4.90	64.84	12.96	394.5	0.463	63.89	583.33	1013.00	2054.72	419.05	32.77	
7	19.50	4.66	71.19	14.25	433.77	0.509	70.24	583.33	1013.00	2100.34	451.03	31.98	
8	20.00	4.44	77.11	15.41	469.08	0.550	75.9	583.33	1013.00	2141.31	481.79	30.76	31.05
9	20.50	4.26	82.68	16.54	503.48	0.591	81.56	583.33	1013.00	2181.37	512.09	30.30	
10	21.00	4.10	87.95	17.60	535.74	0.629	86.8	583.33	1013.00	2218.87	541.51	29.42	
11	21.50	3.95	92.99	18.58	565.58	0.664	91.63	583.33	1013.00	2253.54	569.94	28.43	
12	22.00	3.83	97.83	19.58	596.02	0.699	96.46	583.33	1013.00	2288.81	598.21	28.27	
13	22.50	3.71	102.49	20.49	623.72	0.732	101.02	583.33	1013.00	2321.07	625.4	27.19	
14	23.00	3.61	107.02	21.36	650.2	0.763	105.29	583.33	1013.00	2351.82	651.86	26.46	
15	23.50	3.51	111.42	22.26	677.59	0.795	109.71	583.33	1013.00	2383.63	678.32	26.46	
16	24.00	3.43	115.71	23.15	704.69	0.827	114.13	583.33	1013.00	2415.15	704.42	26.1	26.13
17	24.50	3.35	119.91	23.98	729.95	0.856	118.13	583.33	1013.00	2444.41	729.58	25.16	
18	25.00	3.28	124.03	24.82	755.52	0.886	122.27	583.33	1013.00	2474.12	754.61	25.03	
19	25.50	3.21	128.08	25.60	779.26	0.914	126.13	583.33	1013.00	2501.72	778.72	24.11	
20	26.00	3.15	132.06	26.40	803.62	0.943	130.13	583.33	1013.00	2530.08	802.81	24.09	
21	26.50	3.09	135.99	27.16	826.75	0.969	133.72	583.33	1013.00	2556.80	826.14	23.33	
22	27.00	3.04	139.86	27.95	850.8	0.998	137.72	583.33	1013.00	2584.85	849.65	23.51	
23	27.50	2.99	143.69	28.71	873.93	1.025	141.45	583.33	1013.00	2611.71	872.55	22.9	
24	28.00	2.95	147.47	29.52	898.59	1.054	145.45	583.33	1013.00	2640.37	895.84	23.29	
25	28.50	2.90	151.22	30.20	919.29	1.079	148.9	583.33	1013.00	2664.52	917.39	21.55	22.38
26	29.00	2.86	154.94	30.94	941.81	1.105	152.49	583.33	1013.00	2690.63	939.4	22.01	
27	29.50	2.83	158.62	31.76	966.77	1.134	156.49	583.33	1013.00	2719.59	962.23	22.83	
28	30.00	2.79	162.28	32.46	988.08	1.159	159.94	583.33	1013.00	2744.35	983.39	21.16	
29	30.50	2.76	165.91	33.22	1011.22	1.186	163.67	583.33	1013.00	2771.22	1005.14	21.75	
30	31.00	2.73	169.52	33.96	1033.74	1.216	167.81	583.33	1013.00	2797.88	1026.64	21.50	

**CARRIAGE OF MATERIALS BY MECHANICAL TRANSPORT**  
(INCLUDING LOADING, UNLOADING AND STACKING)

Sl. No.	Material	Capacity (Net)	Unit of Rate	1 Km	2 Km	3 Km	4 Km	5 Km	Beyond 5 Km upto 10 Km addl. per Km	Beyond 10 Km upto 20 Km addl. per Km	Beyond 20 Km upto 30 Km addl. per Km	Beyond 30 Km addl. per Km
	Cost per trip			244.57	281.34	317.52	352.46	386.28	31.05	26.13	22.38	22.38
1.	Sand, Lime, Shingle, Aggregate, Surkhi, Earth, Moorum, Excavated rock and Kerb stone	3.50	Cu.m.	69.88	80.38	90.72	100.7	110.37	8.87	7.47	6.4	6.4
	Add CPOH @ 10%			6.99	8.04	9.07	10.07	11.04	0.89	0.75	0.64	0.64
	Total			76.87	88.42	99.79	110.77	121.41	9.76	8.22	7.04	7.04
2.	Timber, Bamboo and Ballie	4	Cu.m.	61.14	70.34	79.38	88.12	96.57	7.76	6.53	5.6	5.6
	Add CPOH @ 10%			6.11	7.03	7.94	8.81	9.66	0.78	0.65	0.56	0.56
	Total			67.25	77.37	87.32	96.93	106.23	8.54	7.18	6.16	6.16
3.	Cement, Steel, Angle and Tee Channel	7	Ton	34.94	40.19	45.36	50.35	55.18	4.44	3.73	3.2	3.2
	Add CPOH @ 10%			3.49	4.02	4.54	5.04	5.52	0.44	0.37	0.32	0.32
	Total			38.43	44.21	49.9	55.39	60.7	4.88	4.10	3.52	3.52
4.	Bricks	1500	1000	163.05	187.56	211.68	234.97	257.52	20.7	17.42	14.92	14.92
	Add CPOH @ 10%			16.31	18.76	21.17	23.5	25.75	2.07	1.74	1.49	1.49
	Total			179.36	206.32	232.85	258.47	283.27	22.77	19.16	16.41	16.41
5.	Tar, Bitumen and Firewood	5	Ton	48.91	56.27	63.5	70.49	77.26	6.21	5.23	4.48	4.48
	Add CPOH @ 10%			4.89	5.63	6.35	7.05	7.73	0.62	0.52	0.45	0.45
	Total			53.8	61.9	69.85	77.54	84.99	6.83	5.75	4.93	4.93
6.	Stone for masonry & soling	3.50	Cu.m.	69.88	80.38	90.72	100.7	110.37	8.87	7.47	6.4	6.4
	Add CPOH @ 10%			6.99	8.04	9.07	10.07	11.04	0.89	0.75	0.64	0.64
	Total			76.87	88.42	99.79	110.77	121.41	9.76	8.22	7.04	7.04
7.	SW Pipe											
	a) 100 mm dia.	480	100 m	50.95	58.61	66.15	73.43	80.48	6.47	5.44	4.66	4.66
	Add CPOH @ 10%			5.10	5.86	6.62	7.34	8.05	0.65	0.54	0.47	0.47
	Total			56.05	64.47	72.77	80.77	88.53	7.12	5.98	5.13	5.13
	b) 150 mm dia.	240	100 m	101.9	117.23	132.3	146.86	160.95	12.94	10.89	9.33	9.33
	Add CPOH @ 10%			10.19	11.72	13.23	14.69	16.1	1.29	1.09	0.93	0.93
	Total			112.09	128.95	145.53	161.55	177.05	14.23	11.98	10.26	10.26

**CARRIAGE OF MATERIALS BY MECHANICAL TRANSPORT**  
(INCLUDING LOADING, UNLOADING AND STACKING)

Sl. No.	Material	Capacity (Net)	Unit of Rate	1 Km	2 Km	3 Km	4 Km	5 Km	Beyond 5 Km upto 10 Km addl. per Km	Beyond 10 Km upto 20 Km addl. per Km	Beyond 20 Km upto 30 Km addl. per Km	Beyond 30 Km addl. per Km
	Cost per trip			244.57	281.34	317.52	352.46	386.28	31.05	26.13	22.38	22.38
	c) 200 mm dia.	135	100 m	181.16	208.4	235.2	261.08	286.13	23	19.36	16.58	16.58
	Add CPOH @ 10%			18.12	20.84	23.52	26.11	28.61	2.3	1.94	1.66	1.66
	Total			199.28	229.24	258.72	287.19	314.74	25.3	21.3	18.24	18.24
	d) 230 mm dia.	105	100 m	232.92	267.94	302.40	335.68	367.89	29.57	24.89	21.32	21.32
	Add CPOH @ 10%			23.29	26.79	30.24	33.57	36.79	2.96	2.49	2.13	2.13
	Total			256.21	294.73	332.64	369.25	404.68	32.53	27.38	23.45	23.45
	e) 250 mm dia.	84	100 m	291.15	334.93	378	419.6	459.86	36.96	31.11	26.65	26.65
	Add CPOH @ 10%			29.12	33.49	37.8	41.96	45.99	3.7	3.11	2.67	2.67
	Total			320.27	368.42	415.8	461.56	505.85	40.66	34.22	29.32	29.32
	f) 300 mm dia.	66	100 m	370.56	426.27	481.09	534.03	585.27	47.04	39.59	33.91	33.91
	Add CPOH @ 10%			37.06	42.63	48.11	53.40	58.53	4.7	3.96	3.39	3.39
	Total			407.62	468.9	529.2	587.43	643.8	51.74	43.55	37.30	37.3
	g) 350 mm dia.	48	100 m	509.52	586.13	661.5	734.29	804.75	64.68	54.44	46.63	46.63
	Add CPOH @ 10%			50.95	58.61	66.15	73.43	80.48	6.47	5.44	4.66	4.66
	Total			560.47	644.74	727.65	807.72	885.23	71.15	59.88	51.29	51.29
	h) 400 mm dia.	33	100 m	741.12	852.55	962.18	1068.06	1170.55	94.08	79.18	67.83	67.83
	Add CPOH @ 10%			74.11	85.26	96.22	106.81	117.06	9.41	7.92	6.78	6.78
	Total			815.23	937.81	1058.4	1174.87	1287.61	103.49	87.10	74.61	74.61
	i) 450 mm dia.	27	100 m	905.81	1042.00	1176	1305.41	1430.67	114.99	96.78	82.9	82.9
	Add CPOH @ 10%			90.58	104.2	117.6	130.54	143.07	11.5	9.68	8.29	8.29
	Total			996.39	1146.2	1293.60	1435.95	1573.74	126.49	106.46	91.19	91.19
	j) 500 mm dia.	24	100 m	1019.04	1172.25	1323.00	1468.58	1609.5	129.36	108.88	93.26	93.26
	Add CPOH @ 10%			101.9	117.23	132.3	146.86	160.95	12.94	10.89	9.33	9.33
	Total			1120.94	1289.48	1455.30	1615.44	1770.45	142.3	119.77	102.59	102.59
	k) 600 mm dia.	18	100 m	1358.72	1563.00	1764.00	1958.11	2146	172.48	145.17	124.35	124.35
	Add CPOH @ 10%			135.87	156.3	176.4	195.81	214.6	17.25	14.52	12.44	12.44
	Total			1494.59	1719.30	1940.40	2153.92	2360.6	189.73	159.69	136.79	136.79
8.	RC Pipes, AC Pipes, Hume, Steel and CI Pipe											
	a) 100 mm dia.	292.80	100 m	83.53	96.09	108.44	120.38	131.93	10.6	8.92	7.64	7.64
	Add CPOH @ 10%			8.35	9.61	10.84	12.04	13.19	1.06	0.89	0.76	0.76
	Total			91.88	105.7	119.28	132.42	145.12	11.66	9.81	8.4	8.4
	b) 125 mm dia.	219.60	100 m	111.37	128.11	144.59	160.5	175.9	14.14	11.90	10.19	10.19
	Add CPOH @ 10%			11.14	12.81	14.46	16.05	17.59	1.41	1.19	1.02	1.02
	Total			122.51	140.92	159.05	176.55	193.49	15.55	13.09	11.21	11.21
	c) 150 mm dia.	183	100 m	133.64	153.74	173.51	192.6	211.08	16.97	14.28	12.23	12.23
	Add CPOH @ 10%			13.36	15.37	17.35	19.26	21.11	1.7	1.43	1.22	1.22
	Total			147	169.11	190.86	211.86	232.19	18.67	15.71	13.45	13.45

**CARRIAGE OF MATERIALS BY MECHANICAL TRANSPORT**  
(INCLUDING LOADING, UNLOADING AND STACKING)

Sl. No.	Material	Capacity (Net)	Unit of Rate	1 Km	2 Km	3 Km	4 Km	5 Km	Beyond 5 Km upto 10 Km addl. per Km	Beyond 10 Km upto 20 Km addl. per Km	Beyond 20 Km upto 30 Km addl. per Km	Beyond 30 Km addl. per Km
	Cost per trip			244.57	281.34	317.52	352.46	386.28	31.05	26.13	22.38	22.38
	d) 200 mm dia.	109.80	100 m	222.74	256.23	289.18	321.00	351.8	28.28	23.80	20.39	20.39
	Add CPOH @ 10%			22.27	25.62	28.92	32.1	35.18	2.83	2.38	2.04	2.04
	Total			245.01	281.85	318.1	353.1	386.98	31.11	26.18	22.43	22.43
	e) 250 mm dia.	80.52	100 m	303.74	349.4	394.34	437.73	479.73	38.56	32.45	27.8	27.8
	Add CPOH @ 10%			30.37	34.94	39.43	43.77	47.97	3.86	3.25	2.78	2.78
	Total			334.11	384.34	433.77	481.5	527.7	42.42	35.70	30.58	30.58
	f) 300 mm dia.	62.22	100 m	393.07	452.17	510.32	566.47	620.83	49.9	42	35.97	35.97
	Add CPOH @ 10%			39.31	45.22	51.03	56.65	62.08	4.99	4.20	3.6	3.6
	Total			432.38	497.39	561.35	623.12	682.91	54.89	46.2	39.57	39.57
	g) 350 mm dia.	43.92	100 m	556.85	640.57	722.95	802.5	879.51	70.69	59.49	50.96	50.96
	Add CPOH @ 10%			55.69	64.06	72.3	80.25	87.95	7.07	5.95	5.1	5.1
	Total			612.54	704.63	795.25	882.75	967.46	77.76	65.44	56.06	56.06
	h) 400 mm dia.	32.94	100 m	742.47	854.1	963.93	1070.01	1172.68	94.25	79.33	67.95	67.95
	Add CPOH @ 10%			74.25	85.41	96.39	107	117.27	9.43	7.93	6.80	6.8
	Total			816.72	939.51	1060.32	1177.01	1289.95	103.68	87.26	74.75	74.75
	i) 450 mm dia.	25.62	100 m	954.61	1098.13	1239.34	1375.72	1507.73	121.18	101.99	87.37	87.37
	Add CPOH @ 10%			95.46	109.81	123.930	137.57	150.77	12.12	10.20	8.74	8.74
	Total			1050.07	1207.94	1363.27	1513.29	1658.5	133.3	112.19	96.11	96.11
	j) 600, 700, 750, 800, 900, 1200 mm dia.	18.30	100 m	1336.45	1537.38	1735.08	1926.01	2110.82	169.65	142.79	122.31	122.31
	Add CPOH @ 10%			133.65	153.74	173.51	192.6	211.08	16.97	14.28	12.23	12.23
	Total			1470.1	1691.12	1908.59	2118.61	2321.9	186.62	157.07	134.54	134.54

## T: TEMPORARY ITEMS

## TEMPORARY ITEMS

Sl.No.	Description	Unit	Rate
<b>ITEMS USED FOR SUB HEAD: MISCELLANEOUS</b>			
1.	a) Mild steel reinforcement for RCC work	Quintal	3188.50
	b) 6 mm thick top layer with marble chips	Sqm	251.50
	c) 6 mm cement plaster 1 : 2 (1 cement : 2 fine sand)	Sqm	67.40
	d) Applying Coal tarring, two coats on new wood work	Sqm	26.50
	e) Second class brick work in cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	2453.50
2.	Painting on brick flooring with cement mortar 1 : 2 (1 cement : 2 fine sand)		
	a) Flush painting	Sqm	38.90
<b>ITEMS USED FOR SUB HEAD: CONCRETE WORK</b>			
3.	6 mm cement plaster 1 : 3 (1 cement : 3 fine sand)	Sqm	57.40
4.	a) Cement concrete 1 : 1 : 2 (1 cement : 1 coarse sand : 2 stone aggregate 20 mm nominal size).	Cum	5353.00
	b) Providing and fitting in position blown bitumen in expansion joints.	per Cm depth per cm width per 100 mtr length	383.80
	c) Centring and shuttering including strutting, propping (for chajjas) etc.	Sqm	378.90
	d) Extra labour for RCC work	Cum	62.70
<b>ITEMS USED FOR SUB HEAD: WOOD WORK</b>			
5.	a) Wooden plugs including cutting brick work and fixing in cement mortar.	Each	4.20
	b) Applying priming coat with ready mixed primer of approved brand and manufacture on wood work complete.	Sqm	19.70
<b>ITEMS USED FOR SUB HEAD: STEEL WORK</b>			
6.	a) Applying priming coat with ready mixed red lead paint of approved brand and manufacture on steel work.	Sqm	18.10
	b) Applying priming coat with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel, galvanized iron/steel works.	Sqm	15.80
<b>ITEMS USED FOR SUB HEAD: DRAINAGE</b>			
7	Second class brick edging with full brick width and half brick depth including excavation, refilling and disposal of surplus earth lead up to 50 m.	Mtr	54.90
<b>ITEMS USED FOR SUB HEAD: SANITARY INSTALLATIONS</b>			

## T: TEMPORARY ITEMS

## TEMPORARY ITEMS

Sl.No.	Description	Unit	Rate
8.	a) Providing 2nd class 50 x 50 x 50 mm Indian teak wood plugs including cutting brick work and fixing in cement mortar 1 : 3 (1 cement : 3 fine sand).	Each	5.60
	b) Painting two or more coats (excluding priming coat) with ordinary ready mixed paint of approved brand and manufacture in all shades except white or green on new work to give an even shade.	Sqm	40.90
	c) Painting CI cistern with bitumastic or any other anti-corrosive paint inside and white paint over a coat of ready mixed primer on the outside surface of the cistern, flush, pipe, other fittings etc. complete for new work.	Each	236.00

## ITEMS USED FOR SUB HEAD: STONE WORK

9.	a) Pre-cast cement concrete blocks of size 40 x 40 x 10 cm	Each	36.10
	b) Pre-cast cement concrete blocks of size 40 x 40 x 10 cm	Each	38.90

## ITEMS USED FOR SUB HEAD: WALLING

10.	Mud plastering	Sqm	26.10
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## ITEMS USED FOR SUB HEAD: S.P.T. AND TEMPORARY BRIDGES AND CULVERTS

11.	a) Lettering with black enamel paint of approved quality and manufacture.	Per letter per Cm Ht.	1.00
	b) Brick flooring with best quality brick in cement mortar 1 : 4	Sqm	354.70
	c) Providing and laying cement concrete 1 : 2 : 4 with jhama aggregate.	Cum	3676.50

Above Rates to Be taken as reference material for the Analysis of Rate

## C - EARTH WORK

## EARTH WORK

Sl.No.	Description	Unit	Rate
1.	Earth work in excavation in all kinds of soil (excluding soil containing 50% or more of shingle or small size boulders upto 30 cm size, saturated soil and rock) including banking in 20 cm layers and breaking clods, ramming and dressing up for the purpose of making embankments or filling up ground depressions, lead upto 50 m and lift upto 1.50 m.	Cum	47.00
2.	Earth work in excavation in soils containing 50% or more of shingle or small size boulders upto 30 cm size including banking in 20 cm layers and breaking clods, ramming and dressing up for the purpose of making embankments or filling up ground depressions lead upto 50 m and lift upto 1.50 m.	Cum	60.70
3.	Earth work in excavation in foundation and trenches etc. in all kinds of soil (excluding soil containing 50% or more of shingle or small size boulders upto 30 cm size, saturated soil and rock), lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers, when required, into plinth sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus soil as directed within a lead of 50m.	Cum	80.00
4.	Earth work in excavation in foundation and trenches in soils containing 50% or more of shingle or small size boulders upto 30 cm size, lift upto 1.50 m and stacking the excavated soil not more than 3 m clear from the edge of the excavation and returning the stacked soil in 15 cm layers when required, into plinth, sides of foundation etc consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 50m.	Cum	93.80
5.	Extra for lead of 50 m or part thereof for earth work in all soils including shingles, small size boulders upto 30 cm size and saturated soil.	Cum	7.60
6.	Extra for every additional lift of 1.50 m or part thereof for earth work in all soils including shingles, small size boulders upto 30 cm size but excluding saturated soil and rock.	Cum	5.10
7.	Excavation in decomposed or soft rock with or without blasting in foundations, trenches and drains and disposal of the same, lead upto 50 m, and lift upto 1.50 m.	Cum	192.00
8.	Excavation in decomposed or soft rock with or without blasting including disposal of the same lead upto 50 m and lift upto 1.50 m.	Cum	171.30
9.	Extra for every additional lift or 1.50 m or part thereof for decomposed soft or hard rock.	Cum	9.10
10.	Extra for lead of 50 m or part thereof for decomposed soft or hard rock.	Cum	9.10
11.	Removing mixed earth or rock slips including clearing the site within a lead of 50 m and upto 1.50 m lift.	Cum	90.70
12.	Re-filling excavated earth in foundations and plinth etc. in 15 cm layer including ramming and watering etc. complete.	Cum	43.30
13.	Earth work in excavation in saturated soil upto a depth of 61 cm including pumping or bailing out water and disposing of excavated soil, lead upto 50 m and lift upto 1.50 m.	Cum	146.40

## C - EARTH WORK

## EARTH WORK

Sl.No.	Description	Unit	Rate
14.	Earth work in excavation in saturated soil upto a depth of 61 cm including pumping or bailing out water and banking in 20 cm layers for the purpose of making embankments or filling up ground depressions, lead upto 50 m and lift upto 1.50 m.	Cum	161.50
15.	Extra for every additional lift of 1.50 m or part thereof for saturated soil.	Cum	6.90
16.	Excavation in hard shale and disposal of the same, lead upto 50 m, and lift upto 1.50 m.	Cum	69.80
17.	Excavation in hard rock by blasting including stacking of serviceable materials and disposal of unserviceable materials lead upto 50 m and lift upto 1.50 m.	Cum	250.30
18.	Excavation in hard rock by blasting to the required cross section at places where it is not possible to salvage the excavated material including clearing the surface.	Cum	230.10
Note: This item is to be operated only where it is certified by the Executive Engineer that due to peculiar condition of the site, no blasted material can be economically salvaged and stacked.			
19.	Excavation in hard rock by chiselling including stacking of serviceable material and disposal of unserviceable material lead upto 50 m and lift upto 1.50 m.	Cum	361.60
Note: 1) This item of excavation in hard rock by chiselling is to be operated in trenches where blasting operation cannot be done due to peculiar site conditions. For execution of this item the written permission of Supdt. Engineer shall have to be obtained.			
2) The rate for above item will cover for excavation in hard rock in trenches and drains also.			
20.	Excavation in hard rock by chiselling to the required cross section at places where it is not possible to salvage the excavated material including clearing the site.	Cum	343.74
Note: 1) This item of excavation in hard rock by chiselling is to be operated in trenches where blasting operation cannot be done due to peculiar site conditions. For execution of this item the written permission of Supdt. Engineer shall have to be obtained.			
2) This item is to be operated only where it is certified by the Executive Engineer that due to the peculiar condition of the site no chiselled material can be economically salvaged and stacked.			
21.	Collecting, sorting and stacking blasted or hand broken hard rock in measurable stack at site of work as directed the Engineer-in-Charge within a lead of 50 m and lift upto 1.50 m. (Payment to be made from stacked measurements after deducting 50% for voids).	Cum	45.90
22.	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	Cum	524.30



## C - EARTH WORK

## EARTH WORK

SI.No.	Description	Unit	Rate
23.	Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with 1/2 tonne roller or wooden or steel rammers and rolling every 3rd and top most layer with power roller of minimum 8 tonne and dressing up in embankment for road, flood banks, marginal banks and guide banks or filling up ground depressions lead upto 50 m and lift upto 1.50 m.		
	a) Ordinary Soil	Cum	54.60
	b) Hard Soil	Cum	68.30
24.	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.50 m in width as well as 10 Sq.m. on plan including disposal of excavated earth lead upto 50 m and lift upto 1.50 m. Disposed soil to be levelled and neatly dressed.		
	a) Ordinary Soil	Sqm	6.60
	b) Hard Soil	Sqm	9.10
25.	Surface dressing of the ground, including removing vegetation and inequalities not exceeding 15 cm depth and disposal of rubbish, lead upto 50 m and lift upto 1.50 m.		
	a) Ordinary Soil	Sqm	3.50
	b) Hard Soil	Sqm	4.90
26.	Earth work in excavation in foundation trenches not exceeding 1.50 m width or 10 Sq.m. on plan or drains not exceeding 1.50 m in width or 10 Sq.m. on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.		
	a) Ordinary Soil	Cum	47.60
	b) Hard Soil	Cum	60.90
	c) Hard Shale and or Dhunda Soil	Cum	111.10
27.	Excavation in foundation trenches not exceeding 1.50 m width or 10 Sq.m. on plan or drains not exceeding 1.50 m in width or 10 Sq.m. on plan including dressing of sides and ramming of bottoms, lift upto 1.50 m including getting out the excavated soil as directed, within a lead of 50 m.		
	a) Ordinary Rock	Cum	221.10
	b) Hard Rock requiring blasting	Cum	355.50
	c) Hard Rock requiring chiselling (where blasting is prohibited)	Cum	390.00
28.	Ploughing the existing ground to depth of 15 cm to 25 cm and watering the same.		
	a) Ordinary Soil	Sqm	3.20
	b) Hard Soil	Sqm	5.20
29.	Banking excavated earth in layers not exceeding 20 cm in depth breaking clods, watering, rolling each layer 1/2 tonne roller or wooden or steel rammers and rolling every 3rd and topmost layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide bunds etc. lead upto 50 m and lift upto 1.50 m.		

## C - EARTH WORK

## EARTH WORK

Sl.No.	Description	Unit	Rate
	a) Ordinary Soil	Cum	37.00
	b) Hard Soil	Cum	42.70
30.	Pumping out water caused by springs, tidal or river seepage, broken water mains, drains or the like.	K.Ltr	33.90

## A - MORTARS

## MORTARS

Sl.No.	Description	Unit	Rate
1.	Cement mortar 1 : 1 (1 cement : 1 fine sand)	Cum	6586.50
2.	Cement mortar 1 : 2 (1 cement : 2 fine sand)	Cum	4646.10
3.	Cement mortar 1 : 3 (1 cement : 3 fine sand)	Cum	3676.40
4.	Cement mortar 1 : 4 (1 cement : 4 fine sand)	Cum	2894.10
5.	Cement mortar 1 : 5 (1 cement : 5 fine sand)	Cum	2472.80
6.	Cement mortar 1 : 6 (1 cement : 6 fine sand)	Cum	2111.80
7.	Lime mortar 1 : 2 (1 lime putty : 2 surkhi)	Cum	3789.50
8.	Mud mortar	Cum	196.70
9.	Lime mortar 1 : 1 : 1 (1 lime putty : 1 surkhi : 1 fine sand)	Cum	3642.70
10.	Cement mortar 1 : 2 (1 cement : 2 coarse sand)	Cum	4646.10
11.	Cement mortar 1 : 3 (1 cement : 3 coarse sand)	Cum	3676.40
12.	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Cum	2894.10
13.	Cement mortar 1 : 5 (1 cement : 5 coarse sand)	Cum	2472.80
14.	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	2111.80
15.	Cement mortar 1 : 2 (1 white cement : 2 marble dust)	Cum	26735.00
16.	Lime mortar 1 : 1 : 1 (1 lime : 1 surkhi : 1 coarse sand)	Cum	3642.70

## D - CONCRETE WORK

## CONCRETE WORK

Sl.No.	Description	Unit	Rate
1.	Providing and laying in foundations and plinth cement concrete 1 : 5 : 10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) excluding the cost of centring and shuttering.	Cum	1924.00
2.	Providing and laying in foundations and plinth cement concrete 1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) excluding the cost of centring and shuttering.	Cum	2194.70
3.	Deduct rate for concrete for using 50 mm nominal size stone aggregate instead of 40 mm nominal size stone aggregate.	Cum	14.40
4.	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) excluding the cost of centring and shuttering in:		
	a) Foundations and plinth	Cum	2529.00
	b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	2573.80
	c) Independent piers, columns and pillars up to floor two level.	Cum	2581.50
5.	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) excluding the cost of centring and shuttering in :		
	a) Foundations and plinth	Cum	3265.90
	b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	3310.70
	c) Independent piers, columns and pillars up to floor two level.	Cum	3318.40
6.	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in :		
	a) Foundations and plinth	Cum	2798.50
	b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	2843.30
	c) Independent piers, columns and pillars up to floor two level.	Cum	2851.10
7.	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in :		

## D - CONCRETE WORK

## CONCRETE WORK

Sl.No.	Description	Unit	Rate
	a) Foundations and plinth	Cum	3405.60
	b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	3450.40
	c) Independent piers, columns and pillars up to floor two level.	Cum	3458.20
8.	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.50 coarse sand : 3 stone aggregate 20 mm nominal size) excluding the cost of centring and shuttering in :		
	a) Foundations and plinth	Cum	3961.70
	b) Walls including attached buttresses, pilasters and their caps and bases and string courses etc. up to floor two level.	Cum	4006.50
	c) Independent piers, columns and pillars up to floor two level.	Cum	4014.30
9.	Centring and shuttering including strutting propping etc. and removal of form work for:		
	a) Foundations and plinth.	Sqm	113.90
	b) Walls including attached buttresses, pilasters etc.	Sqm	166.50
	c) Columns, pillars and piers.	Sqm	204.50
	Since in item Nos, 9(a) to (c), the material can be used 8 times, the quantity is taken as 1/8th of required quantity.		
10.	Providing and laying up to floor two level cement 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) including centring shuttering in :		
	a) Kerbs, steps and the like.	Cum	4164.90
	Note: Work at or near ground level.		
	b) String courses, copings, bed plates, anchor blocks, plain window sills and the like.	Cum	4817.20
	Note: Work involving hoisting or lowering.		
	c) Small lintels not exceeding 1.50 m clear span over railing copings and the like requiring form work to suspended portions.	Cum	5348.70
	d) Mouldings as in cornices, windows sills etc. exceeding 15 cm in girth.	Cum	5260.00
	e) Mouldings as in cornices, windows sills etc. not exceeding 15 cm in girth.	Cum	5297.30

## D - CONCRETE WORK

## CONCRETE WORK

Sl.No.	Description	Unit	Rate
11.	Providing and laying up to two floor level cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) including centring and shuttering etc. in :		
	a) Kerbs, steps and the like.	Cum	3557.80
	b) String courses, copings, bed plates, anchor blocks, plain window sills and the like.	Cum	4210.10
	c) Small lintels not exceeding 1.50 m clear span over railing copings and the like requiring form work to suspended portions.	Cum	4741.60
	d) Mouldings as in cornices, windows sills etc. exceeding 15 cm in girth.	Cum	4652.90
	e) Mouldings as in cornices, windows sills etc. not exceeding 15 cm in girth.	Cum	4690.20
12.	Providing and fixing up to floor two level precast cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) set in position with cement mortar 1 : 2 (1 cement : 2 coarse sand) and finished smooth with 6 mm thick cement plaster 1 : 3 (1 cement : 3 fine sand) on exposed surfaces including centring and shuttering in :		
	a) Kerbs, steps and the like.	Cum	5444.40
	b) String courses, copings, bed plates, anchor blocks, plain window sills and the like.	Cum	5838.30
	c) Small lintels not exceeding 1.50 m clear span over railing copings and the like requiring form work to suspended portions.	Cum	5780.00
	d) Mouldings as in cornices, window sills etc. exceeding 15 cm in girth.	Cum	6319.70
	e) Mouldings as in cornices, window sills etc. not exceeding 15 cm in girth.	Cum	6357.10
13.	Providing and fixing up to floor two level precast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) set in position with cement mortar 1 : 2 (1 cement : 2 coarse sand) and finished smooth with 6 mm thick cement plaster 1 : 3 (1 cement : 3 fine sand) on exposed surfaces including centring and shuttering in :		
	a) Kerbs, steps and the like.	Cum	4837.30
	b) String courses, copings, bed plates, anchor blocks, plain window sills and the like.	Cum	5231.20
	c) Small lintels not exceeding 1.50 m clear span over railing copings and the like requiring form work to suspended portions.	Cum	5172.90
	d) Mouldings as in cornices, window sills etc. exceeding 15 cm in girth.	Cum	5712.60
	e) Mouldings as in cornices, window sills etc. not exceeding 15 cm in girth.	Cum	5750.00

## D - CONCRETE WORK

## CONCRETE WORK

Sl.No.	Description	Unit	Rate
14.	Providing and laying in foundation mud concrete with graded stone aggregate 40 mm nominal size and 40% mud mortar excluding the cost of centring and shuttering.	Cum	816.80
15.	Extra rate for concrete for using 12.50 mm (nominal size) stone aggregate, instead of 20 mm nominal size stone aggregate.	Cum	230.80
16.	Extra rate for concrete for using 10 mm (nominal size) stone aggregate, instead of 20 mm nominal size stone aggregate.	Cum	830.60
17.	Extra (over rates up to first floor level) for all concrete above first floor level.		1%
Note: 1% of the rate of concrete work from plinth to first floor level.			
18.	Providing and laying damp proof course 50 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Sqm	187.80
19.	Providing and laying damp proof course 38 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 12.5 mm nominal size).	Sqm	147.00
20.	Providing and laying damp proof course 25 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm nominal size).	Sqm	169.40
21.	Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by manufacturers.	Per bag of 50 Kg of cement used in the mix	197.00
22.	Applying a coat of hot bitumen (mashphalte 80/100 or equivalent) using 1.70 Kg per Sq.m. on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	95.00
23.	Deduct rate for cement concrete 1 : 3 : 6 with 20mm (nominal size) stone aggregate using 20 mm (nominal size) brick aggregate instead of 20 mm nominal size stone aggregate.	Cum	-251.20
24.	Extra for laying concrete in or under foul position.	Cum	69.20

Note: Extra for labour due to slow progress

## D - CONCRETE WORK

## CONCRETE WORK

Sl.No	Description	Unit	Rate
25.	Extra for laying concrete in or under water and or liquid mud including cost of pumping and bailing out water and removing of slush etc. complete.	Per Cum per m depth	149.90
<p>Note: The quantity will be calculated by multiplying the depth of the bottom of concrete below sub soil water level with quantity of concrete in Cu.m. for the same depth. The depth of concrete below sub soil water level shall be measured correct to 0.10 m, 0.05 m or more shall be taken as 0.10 m and less than 0.05 m ignored. In case of varying depths (of bottom of concrete) respective depth shall be multiplied with corresponding quantities of concrete.</p>			
26.	Providing and laying in foundations and plinth cement concrete 1 : 5 : 10 (1 cement : 5 coarse sand : 10 graded stone shingle 40 mm nominal size) excluding the cost of centring and shuttering.	Cum	2024.20
27.	Providing and laying in foundations and plinth cement concrete 1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone shingle 40 mm nominal size) excluding the cost of centring and shuttering.	Cum	2294.90
28.	Deduct rate for concrete for using 50 mm nominal size stone shingle instead of 40 mm nominal size stone shingle.	Cum	28.90
29.	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone shingle 40 mm nominal size) excluding the cost of centring an shuttering in.		
	a) Foundations and plinth	Cum	2629.20
	b) Walls including attached buttresses, pilasters and their caps , bases and string courses etc. up to floor two level.	Cum	2674.00
	c) Independent piers, columns and pillars up to floor two level.	Cum	2681.80
30.	Providing and laying cement concrete 1 : 2 : 4 (1 cement : coarse sand : 4 graded stone shingle 40 mm nominal size) excluding the cost of centring and shuttering in :		
	a) Foundations and plinth	Cum	3370.40
	b) Walls including attached buttresses, pilasters and their caps, bases and string courses etc. up to floor two level.	Cum	3415.20
	c) Independent piers, columns and pillars up to floor two level.	Cum	3423.00



## D - CONCRETE WORK

## CONCRETE WORK

Sl.No.	Description	Unit	Rate
31.	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone shingle 20 mm nominal size) excluding the cost of centring and shuttering in :		
	a) Foundations and plinth	Cum	3156.90
	b) Walls including attached buttresses, pilasters and their caps, bases and string courses etc. up to floor two level.	Cum	3201.70
	c) Independent piers, columns and pillars up to floor two level.	Cum	3209.50
32.	Providing and laying cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size) excluding the cost of centring and shuttering in :		
	a) Foundations and plinth	Cum	3747.70
	b) Walls including attached buttresses, pilasters and their caps, bases and string courses etc. up to floor two level.	Cum	3792.50
	c) Independent piers, columns and pillars up to floor two level.	Cum	3800.30
33.	Providing and laying cement concrete 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone shingle 20 mm nominal size) excluding the cost of centring and shuttering in :		
	a) Foundations and plinth	Cum	4262.00
	b) Walls including attached buttresses, pilasters and their caps, bases and string courses etc. up to floor two level.	Cum	4306.80
	c) Independent piers, columns and pillars up to floor two level.	Cum	4314.60
34.	Providing and laying up to floor two level cement 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size) including centring shuttering in :		
	a) Kerbs, steps and the like.	Cum	4129.70
Note:	Work at or near ground level.		
	b) String course, copings, bed plates, anchor blocks, plain window sills and the like.	Cum	4782.00
Note:	Work involving hoisting or lowering.		
	c) Small lintels not exceeding 1.50 m clear span over railing copings and the like requiring form work to suspended portions.	Cum	5313.50
	d) Mouldings as in cornices, windows sills etc. exceeding 15 cm in girth.	Cum	5224.80
	e) Mouldings as in cornices, windows sills etc. not exceeding 15 cm in girth.	Cum	5262.10

## D - CONCRETE WORK

## CONCRETE WORK

Sl.No.	Description	Unit	Rate
35.	Providing and laying up to two floor level cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone shingle 20 mm nominal size) including centring and shuttering etc. in :		
	a) Kerbs, steps and the like.	Cum	3538.90
	b) String courses, copings, bed plates, anchor blocks, plain window sills and the like.	Cum	4191.20
	c) Small lintels not exceeding 1.50 m clear span over railing copings and the like requiring form work to suspended portions.	Cum	4722.70
	d) Mouldings as in cornices, windows sills etc. exceeding 15 cm in girth.	Cum	4634.00
	e) Mouldings as in cornices, windows sills etc. not exceeding 15 cm in girth.	Cum	4671.30
36.	Extra rate for concrete for using 12.50 mm (nominal size) stone shingle, instead of 20 mm nominal size stone shingle.	Cum	119.10
37.	Extra rate for concrete for using 10 mm (nominal size) stone shingle, instead of 20 mm nominal size stone shingle.	Cum	494.40
38.	Providing and laying damp proof course 50 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	186.10
39.	Providing and laying damp proof course 38 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 12.5 mm nominal size).	Cum	145.60
40.	Providing and laying damp proof course 25 mm thick with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 10 mm nominal size).	Cum	146.40
41.	Deduct rate for cement concrete 1 : 3 : 6 with 20mm (nominal size) stone shingle using 20 mm (nominal size) brick shingle instead of 20 mm nominal size stone shingle.	Cum	107.20

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
1.	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in :		
	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	4024.40
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	3468.30
2.	Reinforced cement concrete in walls (any thickness) including attached pillasters, buttresses, plinth and string course, fillets etc from top of foundation up to floor two level including finishing and plastering the exposed surfaces with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface excluding cost of centring, shuttering and reinforcement in :		
	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size)	Cum	4390.80
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	3834.70
3.	Reinforced cement concrete in retaining wall (any thickness) including attached pillasters, buttresses, plinth and string courses, fillets etc from top of foundation up to floor two level excluding cost of centring, shuttering and reinforcement in :		
	a) 1 : 1.5 : 3 (1 cement : 1.5 Coarse Sand : 3 stone aggregate 20 mm nominal size).	Cum	4069.20
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	3513.10
Note:	In case of structures like retaining wall etc., height of 4m above ground level will be reckoned as first floor level.		
4.	Reinforced cement concrete in suspended floors, roofs, landings and balconies upto floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring and shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	3988.00
5.	Reinforced cement concrete in chajjas exceeding 15mm in thickness upto floor two level including centring and shuttering complete but excluding the cost of reinforcement with 1 : 2 : 4 (1 cement: 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	5599.10

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
6.	Reinforced cement concrete work in lintels, beams and bresumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.		
	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	4524.60
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	3988.00
7.	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring, shuttering and reinforcement.		
	a) 1 : 1 : 2 (1 cement : 1 coarse sand : 2 stone aggregate 20 mm nominal size).	Cum	5915.90
	b) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone aggregate 20 mm nominal size).	Cum	4577.20
	c) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	4021.10
8.	Reinforced cement concrete work in stair cases (excluding landing) except spiral cases including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface, preparing of the top surface and finishing, nosing upto floor two level but excluding the cost of centring, shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	4397.90
Note : Labour for finishing the treads, risers and nosing and extra lift.			
9.	Reinforced cement concrete work in well steining excluding the cost of centring, shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	3523.50
10.	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers bands and facias up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding the 6 mm to give a smooth and even surface but excluding the cost of centering, shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 fine sand : 4 stone aggregate 12.5 mm nominal size).	Cum	6008.90

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
Note : Extra Labour for lifting and restricted working in fins.			
11.	Reinforced cement concrete work in shelves up to floor two level excluding cost of centering and shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	3468.30
12.	Centring and shuttering including strutting, propping etc and removal of form work for :		
	a) Foundation, footings, bases of columns etc. and mass concrete.	Sqm	113.90
	b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	166.50
	c) Suspended floors, roofs, landings shelves and their supports, balconies and chajjas (3.5 m height).	Sqm	265.40
Note: Timber used 8 times			
	d) Lintels, beams, girders, bressumers and cantilevers etc.	Sqm	158.10
Note: Timber used 8 times			
	e) Column, pillars, posts and struts etc.	Sqm	204.50
	f) Stairs (excluding landings) except spiral stair cases.	Sqm	162.80
Note: Timber used 8 times			
	g) Vertical and horizontal fins individually or forming box louvers bands and facias.	Sqm	243.10
Note: Timber used 8 times			
13.	Extra for shuttering in circular work.		20%
Note: 20% of the rate of respective item of centring and shuttering.			
14.	Providing and laying up to floor two level reinforced cement concrete in kerbs, steps and the like including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give smooth and even surface including centring and shuttering etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	4705.70
15.	Providing and laying up to floor two level RCC string courses, coping bed plates, anchor blocks, plain window sills and the like including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface including centering and shuttering etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	5836.60

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
16.	Providing, hoisting and fixing up to floor two level precast reinforced cement concrete in shelves including finishing and plastering with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm on exposed surfaces to give a smooth and even surface including shuttering etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 12.50 mm nominal size).	Cum	15761.80
17.	Providing, hoisting and fixing up to floor two level pre-cast reinforced cement concrete in vertical and horizontal fins individually or forming box louvers and bands including finishing and plastering with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm on exposed surface to give a smooth and even surface, centering and shuttering and shetting in position with cement mortar 1 : 2 (1 cement : 2 fine sand) etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size).	Cum	7039.60
18.	Providing precast cement concrete jali 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 6 mm nominal size) reinforced with 1.6 mm dia mild steel wire including, roughening, cleaning, fixing and finishing in cement mortar 1 : 3 (1 cement : 3 fine sand) etc complete upto floor two level excluding plastering of the jams, sills and soffits.		
	a) 50 mm thick	Sqm	571.10
	b) 40 mm thick	Sqm	381.80
	c) 25 mm thick	Sqm	348.50
19.	Reinforcement of RCC work including bending, binding and placing in position complete.		
	a) Mild steel and medium tensile steel bars.	Kg	31.80
	b) Cold twisted bars.	Kg	42.90
20.	Extra for all RCC work above floor two levelexcluding cost of reinforcement.	Per floor per Cum	1%
21.	Deduct for omitting RCC work smooth finishing of the exposed surfaces with 6 mm cement mortar 1:3 (1 cement : 3 fine sand).	Sqm	57.40
22.	Providing and fixing in position copper plate 1.6 mm thick as per design for expansion joints (3 m length, 250 mm width, 1.6 mm thick).	Kg	786.40

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
23.	Providing reinforced cement concrete eaves board 25 mm thick and 15 cm to 30 cm wide in 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 stone aggregate 10 mm nominal size) up to floor two level including finishing and plastering with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm on exposed surfaces to give smooth and even surface, centring and shuttering but excluding cost of reinforcement.	Cum	23321.60
24	Providing and filling in position bitumen mix filler of proportion 80 Kg of hot bitumen 1 Kg of cement and 0.25 Cu.m. of coarse sand for expansion joints.	Per cm depth per cm width per 100 m	112.20
25.	Providing and filling in position blown bitumen in expansion joints.	Per cm depth per cm width per 100 m	382.10
26.	Providing and fixing 6 mm thick 15 cm wide asbestos sheet covering over expansion joints as per design.	Mtr	65.70
27.	Extra for laying Reinforced Cement Concrete in or under water and or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.	Cum per mtr depth	149.90
Note: The quantity will be calculated by multiplying the depth of the bottom of RCC concrete below sub soil water level with quantity of RCC in cum for the same depth. The depth of RCC below sub soil water level shall be measured correct to 0.1 m, 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored. In case of varying depths (of bottom of RCC), respective depths shall be multiplied with corresponding quantities of RC concrete.			
28.	Extra for laying Reinforced Cement Concrete in or under foul position.	Cum per mtr depth	69.20
29.	Reinforced cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal gauge) including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding the cost of centring, shuttering and reinforcement in :		
	a) Spiral staircases including landings etc. up to floor two level.	Cum	0.00
	b) Arches up to floor two level.	Cum	3757.20

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
	c) Domes, vaults and shell roofs up to floor two level.	Cum	3813.10
	d) Chimneys and shafts up to floor two level.	Cum	3856.70
	e) Well steining	Cum	6476.20
30.	Centring and shuttering including strutting, propping etc. and removal of form work for:		
Note : Assuming timber will become unserviceable after being used 8 times.			
	a) Spiral staircases including landings.	Sqm	163.60
	b) Arches up to 6 mtr span	Sqm	458.70
	c) Domes, vaults and shell roofs.	Sqm	1006.10
	d) Chimneys and shafts.	Sqm	166.50
	e) Well steining	Sqm	109.10
31.	Extra rate for Reinforced Cement Concrete for using 12.5 mm nominal gauge stone aggregate instead of 20 mm nominal gauge stone aggregate.	Cum	230.80
32.	Encasing rolled steel sections in beams and columns, with cement concrete 1 : 2 : 4 (1 cement : 2 river sand : 4 stone aggregate 12.50 mm nominal gauge) including finishing and plastering with cement mortar 1 : 3 (1 Cement : 3 river Sand) of thickness not exceeding 6 mm on the exposed surfaces to give a smooth and even surface upto floor two level including centring and shuttering complete but excluding cost of reinforcement.	Cum	5583.50
33.	Encasing rolled steel sections in grillages with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 12.5 mm nominal size) up to first floor level including centring and shuttering but excluding cost of expanded metal and hangers.	Cum	3649.00
34.	Extra for providing and fixing expanded metal mesh of size 20 x 60 mm and strands 3 mm wide 1.60 mm thick weighing 3.464 Kg per Sq.m. for encasing of rolled steel sections in beams, columns and grillages excluding cost of hangers.	Cum	171.70
35.	Extra for all RCC work above floor two level excluding cost of reinforcement.	Per floor	1%
		per Cum	

Note : (1% of the rate of RCC work from plinth level to first floor level).



## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
36.	Extra for rendering smooth the top of the suspended floors, landings and stair cases (treads and risers) with cement mortar 1 : 2 (1 cement : 2 coarse sand) including a floating coat of neat cement and protecting the surface with a layer of 7.50 cm of earth laid over 15 mm of fine sand in case of suspended floors and bricks laid in mud mortar in case of landings and steps including subsequent removal and cleaning of the same.	Sqm	50.10
37.	Applying cement slurry on RCC slabs or cement concrete work using 2.75 Kg of cement per Sq.m. for receiving cement concrete floor including roughening, cleaning etc complete.	Sqm	21.60
38.	Providing and fixing in position 12 mm thick impregnated fibre board in expansion joints.	Per cm depth per 100 mtr	678.60
39.	Providing and fixing in position GI sheet 24, BG as per design for expansion joints (3 m long, 250 mm width).	Sqm	127.70
40.	Reinforced concrete work in foundations, footings, bases of columns etc. and mass concrete excluding cost of centring, shuttering and reinforcement in :		
	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone shingle 20 mm nominal size).	Cum	4324.70
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	3810.40
41.	Reinforced cement concrete in walls (any thickness) including attached pillasters, buttresses, plinth and string course, fillets etc from top of foundation up to floor two level including finishing and plastering the exposed surfaces with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface excluding cost of centring, shuttering and reinforcement in :		
	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone shingle 20 mm nominal size)	Cum	4691.10
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	4176.80
42.	Reinforced cement concrete in retaining wall (any thickness) including attached pillasters, buttresses, plinth and string courses, fillets etc from top of foundation up to floor two level excluding cost of centring, shuttering and reinforcement in :		
	a) 1 : 1.5 : 3 (1 cement : 1.5 Coarse Sand : 3 stone shingle 20 mm nominal size).	Cum	4369.50
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	3855.20

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
Note : In case of structures like retaining wall etc., height of 4m above ground level will be reckoned as first floor level.			
43.	Reinforced cement concrete in suspended floors, roofs, landings and balconies upto floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring and shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	4330.10
44.	Reinforced cement concrete in chajjas exceeding 15mm in thickness upto floor two level including centring and shuttering complete but excluding the cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	5941.20
45.	Reinforced cement concrete work in lintels, beams and bresumers up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centering, shuttering and reinforcement.		
	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone shingle 20 mm nominal size).	Cum	4824.90
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	4330.10
46.	Reinforcement cement concrete work in columns, pillars, piers, abutments, post and struts etc up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding cost of centring, shuttering and reinforcement.		
	a) 1 : 1 : 2 (1 cement : 1 coarse sand : 2 stone shingle 20 mm nominal size).	Cum	6242.70
	b) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 stone shingle 20 mm nominal size).	Cum	4877.50
	c) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	4363.20
47.	Reinforced cement concrete work in stair cases (excluding landing) except spiral cases including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface, preparing of the top surface and finishing, nosing upto floor two level but excluding the cost of centring, shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	4740.00

Note : Labour for finishing the treads, risers and nosing and extra lift.

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
48.	Reinforced cement concrete work in well steining excluding the cost of centring, shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	3865.60
49.	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers bands and facias up to floor two level including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding the 6 mm to give a smooth and even surface but excluding the cost of centering, shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 fine sand : 4 stone shingle 12.5 mm nominal size).	Cum	6351.00
Note : Extra Labour for lifting and restricted working in fins.			
50.	Reinforced cement concrete work in shelves up to floor two level excluding cost of centering and shuttering and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	3810.40
51.	Providing and laying up to floor two level reinforced cement concrete in kerbs, steps and the like including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give smooth and even surface including centring and shuttering etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	4670.50
52.	Providing and laying up to floor two level RCC string courses, coping bed plates, anchor blocks, plain window sills and the like including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface including centering and shuttering etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	5801.40
53.	Providing, hoisting and fixing up to floor two level precast reinforced cement concrete in shelves including finishing and plastering with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm on exposed surfaces to give a smooth and even surface including shuttering etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 12.50 mm nominal size).	Cum	16103.90

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
54.	Providing, hoisting and fixing up to floor two level pre-cast reinforced cement concrete in vertical and horizontal fins individually or forming box louvers and bands including finishing and plastering with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm on exposed surface to give a smooth and even surface, centering and shuttering and shetting in position with cement mortar 1 : 2 (1 cement : 2 fine sand) etc but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal size).	Cum	7381.70
55.	Providing precast cement concrete jali 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 6 mm nominal size) reinforced with 1.6 mm dia mild steel wire including, roughening, cleaning, fixing and finishing in cement mortar 1 : 3 (1 cement : 3 fine sand) etc complete upto floor two level excluding plastering of the jams, sills and soffits.		
	a) 50 mm thick	Cum	571.10
	b) 40 mm thick	Cum	381.80
	c) 25 mm thick	Cum	348.50
56.	Providing reinforced cement concrete eaves board 25 mm thick and 15 cm to 30 cm wide in 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 stone shingle 10 mm nominal size) up to floor two level including finishing and plastering with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm on exposed surfaces to give smooth and even surface, centring and shuttering but excluding cost of reinforcement.	Cum	23298.60
57.	Reinforced cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 20 mm nominal gauge) including finishing and plastering the exposed surface with cement mortar 1 : 3 (1 cement : 3 fine sand) of thickness not exceeding 6 mm to give a smooth and even surface but excluding the cost of centring, shuttering and reinforcement in :		
	a) Spiral staircases including landings etc. up to floor two level.	Cum	6113.90
	b) Arches up to floor two level.	Cum	4099.30
	c) Domes, vaults and shell roofs up to floor two level.	Cum	4155.20
	d) Chimneys and shafts up to floor two level.	Cum	4198.80
	e) Well steining	Cum	6818.30
58.	Extra rate for Reinforced Cement Concrete for using 12.5 mm nominal gauge stone shingle instead of 20 mm nominal gauge stone shingle.	Cum	119.10

## E - RCC WORK

## RCC WORK

Sl.No.	Description	Unit	Rate
59.	Encasing rolled steel sections in beams and columns, with cement concrete 1 : 2 : 4 (1 cement : 2 river sand : 4 stone shingle 12.50 mm nominal gauge) including finishing and plastering with cement mortar 1 : 3 (1 Cement : 3 river Sand) of thickness not exceeding 6 mm on the exposed surfaces to give a smooth and even surface upto floor two level including centring and shuttering complete but excluding cost of reinforcement.	Cum	5925.60
60.	Encasing rolled steel sections in grillages with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 12.5 mm nominal size) up to first floor level including centring and shuttering but excluding cost of expanded metal and hangers.	Cum	3991.10

## F - BRICK WORK

## BRICK WORK

Sl.No.	Description	Unit	Rate
1.	Brick work with best available local bricks in foundation and plinth in cement mortar 1:3 (1 cement : 3 fine sand).	Cum	3241.70
2.	Brick work with best available local bricks in foundations and plinth in cement mortar 1:4 (1 cement : 4 fine sand).	Cum	3050.40
3.	Brick work with best available local bricks in foundations and plinth in cement mortar 1:5 (1 cement : 5 fine sand).	Cum	2947.50
4.	Brick work with best available local bricks in foundations and plinth in cement mortar 1:6 (1 cement : 6 fine sand).	Cum	2859.20
5.	Extra for brick work with best available local bricks in superstructure above plinth level up to floor two level.	Cum	83.00
6.	Extra for brick work in superstructure above floor two level, per floor per Cu.m. (1% of rate of brickwork from plinth up to floor two level).	Per floor per Cum	1%
7.	Deduct for using 2nd class bricks instead of 1st class, in plain brick work.	Cum	90.00
8.	Extra for brick work in square or rectangular pillars.	Cum	136.10
9.	Extra for using best available local bricks in circular pillar.	Cum	910.50
10.	Extra for making tapered surface of brick masonry.	Sqm	157.80
11.	Half brick masonry (with best available local bricks) in cement mortar 1:3 (1 cement : 3 coarse sand) in foundation and plinth.	Sqm	392.60
12.	Half brick masonry (with best available local bricks) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth.	Sqm	370.90
13.	Extra for half brick masonry in superstructure above plinth level and up to floor two level.	Sqm	15.20
14.	Extra for half brick masonry in superstructure above floor two level.	Per floor per Sqm	1%
Note : (1% of rate of half brickwork from plinth up to floor two level)			
15.	Providing hoop iron 25 mm x 1.60 mm or equivalent reinforcement in brick masonry at every fourth course, embedded in cement mortar.	Per floor per Cum	60.80

## F - BRICK WORK

## BRICK WORK

Sl.No.	Description	Unit	Rate
16.	Brick work with best available local bricks 75 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand).	Sqm	274.10
17.	Extra for cutting or chamfering of bricks to required shape in masonry work.	Mtr	6.50
18.	Best quality local brick honey-comb half brick work in cement mortar 1:4 (1 cement : 4 fine sand).	Sqm	272.10
19.	2nd quality local brick honey-comb half brick work in cement mortar 1:4 (1 cement : 4 fine sand).	Sqm	257.30
20.	Best quality local brick honey-comb half brick work in cement mortar 1:6 (1 cement : 6 fine sand).	Sqm	256.80
21.	2nd quality local brick honey-comb half brick work in cement mortar 1:6 (1 cement : 6 fine sand).	Sqm	242.00
22.	Extra for laying brick work in or under foul position.	Cum	88.90
23.	Joining old brick work with new work.	Sqm	132.80
24.	Providing 75 mm thick 1st class brick drip course at junctions of roofs and walls in cement mortar 1:4 (1 cement : 4 fine sand).	Mtr	36.00
25.	Providing 1st class brick on edge drip course at junctions of roofs and walls in cement mortar 1:6 (1 cement : 6 fine sand).	Mtr	52.10
26.	Providing 75 mm thick 6 cm projected 1st class brick string course in cement mortar 1:4 (1 cement : 4 fine sand).	Mtr	15.10
27.	Extra for laying brick work in or under water and or liquid mud including cost of pumping and bailing out water and removing slush etc complete.	Per Cum per Mtr. Depth	149.90

Note: The quantity will be calculated by multiplying the depth of the bottom of brick masonry below sub soil water level with qty. of brick masonry in Cu.m. for the same depth. This depth below sub soil water level shall be measured correct to 0.10 m, 0.05 m or more shall be taken as 0.10 m and less than 0.05 m ignored. In case of varying depths (of bottom of brick masonry) respective depth shall be multiplied with corresponding quantities of brick masonry.

## G - STONE WORK

## STONE WORK

Sl.No	Description	Unit	Rate
1.	Random rubble masonry with hard stone in foundations and plinth in cement mortar 1 : 6 (1 cement : 6 fine sand) including levelling up with cement concrete 1 : 6 : 12 (1 cement : 6 coarse sand : 12 stone aggregate 20 mm nominal size) at plinth level.	Cum	1886.50
2.	Extra for random rubble masonry with hard stone in superstructure above plinth level and up to floor two level including levelling up with cement concrete 1 : 6 : 12 (1 cement : 6 coarse sand : 12 stone aggregate/shingle 20 mm nominal size) at window sills, ceiling level and the like.	Cum	132.10
3.	Extra for random rubble masonry with hard stone in square or rectangular pillars.	Cum	140.20
4.	Extra for random rubble masonry with hard stone in circular pillars.	Cum	431.50
5.	Coursed rubble masonry (first sort) with hard stone in foundations and plinth in cement mortar 1 : 6 (1 cement : 6 fine sand).	Cum	2704.40
6.	Coursed rubble masonry (second sort) with hard stone in foundations and plinth in cement mortar 1 : 6 (1 cement : 6 fine sand).	Cum	1827.60
7.	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level and up to floor two level.	Cum	114.30
8.	Extra for coursed rubble masonry with hard stone (first or second sort) in square or rectangular pillars.	Cum	156.60
9.	Extra for coursed rubble masonry with hard stone (first or second sort) in circular pillars.	Cum	490.20
10.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) blocks in cement mortar 1 : 3 (1 cement : 3 fine sand) in foundations and plinth.	Cum	5425.30
11.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) blocks in cement mortar 1 : 4 (1 cement : 4 fine sand) in foundations and plinth.	Cum	5286.20
12.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) blocks in cement mortar 1 : 5 (1 cement : 5 fine sand) in foundations and plinth.	Cum	5211.30



## G - STONE WORK

## STONE WORK

Sl.No.	Description	Unit	Rate
13.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) blocks in cement mortar 1 : 6 (1 cement : 6 fine sand) in foundations and plinth.	Cum	5147.20
14.	Extra for pre-cast cement concrete block masonry in superstructure above plinth level up to floor two level.	Cum	122.50
15.	Random rubble masonry with hard stone in foundations and plinth in cement mortar 1 : 6 (1 cement : 6 fine sand) including levelling up with cement concrete 1 : 6 : 12 (1 cement : 6 coarse sand : 12 stone shingle 20 mm nominal size) at plinth level.	Cum	2364.30
16.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone shingle 20 mm nominal size) blocks in cement mortar 1 : 3 (1 cement : 3 fine sand) in foundations and plinth.	Cum	5761.30
17.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone shingle 20 mm nominal size) blocks in cement mortar 1 : 4 (1 cement : 4 fine sand) in foundations and plinth.	Cum	5622.20
18.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone shingle 20 mm nominal size) blocks in cement mortar 1 : 5 (1 cement : 5 fine sand) in foundations and plinth.	Cum	5547.30
19.	Masonry with pre-cast cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone shingle 20 mm nominal size) blocks in cement mortar 1 : 6 (1 cement : 6 fine sand) in foundations and plinth.	Cum	5483.20

## H - WALLING

## WALLING

Sl.No.	Description	Unit	Rate
1.	Single wattle or split bamboo walling including cement plaster 20 mm thick 1 : 6 (1 cement : 6 fine sand) on either side and white washing three or more coats to give an even shade on both faces complete.	Sqm	275.20
2.	25 mm thick wooden plank walling butt jointed with wooden beading 50 x 25 mm including supplying and fixing with necessary nails, screws etc complete.	Sqm	1149.40
3.	Providing 24 SWG corrugated GI sheet walling fixed with 150 x 10 mm 'L' or 'J' hooks bolts and nuts etc complete excluding cost of frame work which shall be paid for separately.	Sqm	520.50
4.	Providing 24 SWG corrugated GI sheet walling fixed with 150 x 8 mm 'L' or 'J' hooks bolts and nuts etc complete excluding cost of frame work which shall be paid for separately.	Sqm	520.50
5.	Providing 22 SWG corrugated GI sheet walling fixed with 150 x 10 mm diameter 'L' or 'J' hooks bolts and nuts etc complete excluding cost of frame work which shall be paid for separately.	Sqm	602.30
6.	Providing 22 SWG corrugated GI sheet walling fixed with 150 x 8 mm 'L' or 'J' hooks bolts and nuts etc complete excluding cost of frame work which shall be paid for separately.	Sqm	602.30
7.	Providing 22 BWG 144 mesh fly proof wire gauge fixed with wooden beading complete (in walls) beading size 75 x 12 mm.	Sqm	234.70
8.	Providing and fixing 15 cm x 1.25 cm size plank of approved local wood in weather boarded walling with necessary fittings complete excluding cost of frame work which shall be paid for separately but including planing the planks and fixing the same in inclined position so that the edge of the top plank overlaps the edge of the bottom plank by 50 mm width.	Sqm	785.40
9.	Single wattle or split bamboo walling including fitting, fixing complete (without plaster).	Sqm	65.00
10.	Single wattle or split bamboo walling including 20 mm thick mud plaster on either side and white washing 3 or more coats to give an even shade on both faces complete.	Sqm	138.80

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
1.	Providing approved best available local wood (Class - B II) work in frames of doors, windows clerestory windows and other frames, wrought framed and fixed in position.	Ten Cudm	124.10
2.	Providing best available local wood (Class - B II) work in frames of false ceiling, partitions and trusses etc, sawn and put up in position.	Ten Cudm	112.70
3.	Providing and fixing panelled, glazed or panelled and glazed shutters for doors, windows and clerestory windows including aluminium butt hinges with necessary screws.		
	a) 38mm thick best available local wood class - B I	Sqm	1240.30
4.	Providing and fixing panelled, glazed or panelled and glazed shutters for doors, windows and clerestory windows including necessary iron butt hinges with necessary screws.		
	a) 38 mm thick best available local wood, class - B I	Sqm	1066.80
5.	Providing and fixing 44 mm thick best available local wood Class - B I (19 mm batten and 25 mm bracing) battened and braced doors and windows shutters including providing and fixing necessary bright finished or black enamelled T-hinges, butt hinges, sliding door bolts, tower bolts and handles with necessary bolts and nuts and screws complete.	Sqm	726.20
6.	Providing and fixing 38 mm thick wire gauge shutters using galvanized mild steel wire gauge of IS gauge designation 140G with wire of dia 0.56 mm for doors, windows and clerestory windows including anodized aluminum butt hinges with necessary screws.		
	a) Best available local wood class B-I	Sqm	1025.20
7.	Providing and fixing 30 mm thick wire gauge shutters using galvanized mild steel wire gauge of IS gauge designation 85G with wire of dia 0.56 mm for doors, windows and clerestory windows including iron butt hinges with necessary screws.		
	a) Best available local wood class -B I	Sqm	694.10
8.	Providing and fixing 30 mm thick wire gauge shutters using galvanized mild		

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
	a) Approved local wood class A-IV	Sqm	1345.70
	b) 2nd class approved local wood class - B I.	Sqm	716.30
9.	Providing and fixing 30 mm thick wire gauge shutters using galvanized mild steel wire gauge of IS gauge designation 140G with wire of dia 0.56 mm for doors, windows and clerestory windows including bright finished or and black enamelled iron wire butt hinges with necessary screws.		
	a) 2nd class approved local wood class - B I.	Sqm	694.10
	b) Approved local wood class - C.	Sqm	542.60
10.	Providing and fixing best available local wood glazed shutters for doors, windows and clerestory window using 7.5 kg/Sq.m. (3 mm thick glass panes) including black enamelled MS butt hinges with necessary screws.		
	a) 35 mm thick	Sqm	1070.00
	b) 30 mm thick	Sqm	1023.10
11.	Providing and fixing flush door shutters, decorative type, core of black board construction with frame of 1st class hard wood and well matched 1st class teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.		
	a) 40 mm thick including anodized aluminum butt hinges with necessary screws.	Sqm	1935.90
	b) 25 mm thick (for cupboard) including nickel plated bright finished MS piano hinges with necessary screws.	Sqm	1467.50
12.	Providing and fixing flush door shutters, non-decorative type, core of black board construction with frame of 1st class hard wood and well matched commercial ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.		
	a) 40 mm thick including anodised aluminium butt hinges with necessary screws.	Sqm	1713.70
	b) 25 mm thick (for cupboard) including nickel plated bright finished MS piano hinges with necessary screws.	Sqm	1467.50
13.	Providing and fixing, fly proof galvanized MS wire gauge of IS gauge designation 85 g with wire of dia 0.56 mm to windows and clerestory windows including 62 x 19 mm beading of best available local wood.	Sqm	271.90

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
14.	Providing and fixing louvers 50 mm wide in groove in clerestory window frames but excluding cost of frames.		
	a) Approved local wood 12 mm thick.	Sqm	822.30
	b) Asbestos cement sheet 4 mm thick.	Sqm	272.30
	c) Glass sheet of 3 mm thick	Sqm	#REF!
15.	25mm thick wooden shelves supported on 40 x 40 x 6 mm "T" or "L" iron brackets fixed at suitable distance but not exceeding 75 cm apart in 7.5 x 7.5 x 15 cm block of cement concrete mix 1 : 3 : 6 ( 1cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) with :		
	a) Approved local wood best available class - B.	Sqm	855.70
	b) 2nd class approved local wood class - B I.	Sqm	855.70
16.	Providing and fixing MS round or square bars at required spacing in wooden frames of windows and clerestory windows.	Kg	37.60
17.	Providing and fixing MS round or square bars with MS flat at required spacing in wooden frames of windows and clerestory windows.	Kg	37.10
18.	Providing and fixing 40 x 3 mm flat iron hold fasts 40 cm long including fixing to frame with 10 mm dia bolts, nuts and wooden plugs and embedding in cement concrete block 30 x 10 x 15 cm in 1 : 3 : 6 (1 cement : 3 sand : 6 hard stone chips 40 mm nominal size).	Each	50.30
19.	Providing and fixing 2.50 cm thick approved local wood eaves boards 23 cm wide with necessary mouldings etc.	Mtr	121.50
20.	Supplying and fixing factory made panelled shutters made out of best available hard wood for doors including panelling with panels 12 mm thick commercial veneered teak wood particle boards (Phenyle Bonded) 3 layers flat pressed including applying one coat of approved wood primer.		
	a) 40 mm thick including anodized aluminum butt hinges with necessary screws.	Sqm	2197.40
	b) 35 mm thick including anodized aluminum butt hinges with necessary screws.	Sqm	2072.00
	c) 30 mm thick including anodized aluminum butt hinges with necessary screws.	Sqm	2041.10

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
21.	Supplying and fixing fully glazed shutters made out of best available hard wood for windows and clerestory windows using 7.50 Kg/Sq.m. 3 mm thick glass panes including applying one coat of approved wood primer.		
	a) 35 mm thick including anodized aluminum butt hinges, with necessary screws.	Sqm	1968.70
	b) 30 mm thick including anodized aluminum butt hinges with necessary screws.	Sqm	1824.70
22.	Providing and fixing MS grills of required pattern in wooden frames of windows etc with MS flat, square or round bars with round headed bolts and nuts or by screws.		
	a) Plain grill.	Kg	52.70
	b) Ornamental grill.	Kg	83.70
:: FITTINGS ::			
: IRON FITTINGS :			
23.	Providing and fixing iron pressed butt hinges bright finished with necessary screws etc complete.		
	a) 125 x 65 x 2.12 mm	Ten Nos.	469.40
	b) 100 x 50 x 1.90 mm	Ten Nos.	223.40
	c) 75 x 47 x 1.70 mm	Ten Nos.	180.60
24.	Providing and fixing Iron T-hinges bright finished or and black enamelled with necessary screws etc complete.		
	a) 300 x 115 x 2.24 mm	Ten Nos.	536.80
	b) 250 x 100 x 2.40 mm	Ten Nos.	440.10
25.	Providing and fixing MS sliding door bolts, bright finished or and black enamelled with nuts and screws etc complete.		
	a) 300 x 16 mm	Each	228.10
	b) 250 x 16 mm	Each	136.30
26.	Providing and fixing MS tower bolts (barrel type) with necessary screws etc complete.		
	a) 250 x 10 mm	Each	71.90

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
	b) 200 x 10 mm	Each	46.40
	c) 150 x 10 mm	Each	43.90
	d) 100 x 10 mm	Each	43.90
27.	Providing and fixing MS door latch with necessary screws etc complete.		
	a) 300 x 20 x 6 mm	Each	120.20
	b) 250 x 20 x 6 mm	Each	104.10
28.	Providing and fixing MS handles with necessary screws etc complete.		
	a) 125 mm	Each	23.50
	b) 100 mm	Each	20.10
	c) 75 mm	Each	16.80
29.	Providing and fixing MS Hooks and Eyes.		
	a) 300 mm	Each	22.80
	b) 250 mm	Each	20.60
	c) 200 mm	Each	16.70
	d) 150 mm	Each	16.40
	e) 100 mm	Each	15.00
30.	Providing and fixing MS safety hasp and staple with necessary screws etc complete.		
	a) 150 mm	Each	56.00
	b) 115 mm	Each	52.70
	c) 90 mm	Each	49.90

## : ALUMINIUM FITTINGS :

31.	Providing and fixing aluminum butt hinges anodised, transparent or dyed to required color or shade with necessary screws etc complete.		
	a) 125 x 75 x 4 mm	Each	64.70
	b) 125 x 63 x 4 mm	Each	61.40
	c) 100 x 75 x 4 mm	Each	57.80
	d) 100 x 63 x 4 mm	Each	57.40
	e) 100 x 63 x 3.2 mm	Each	56.10
	f) 75 x 63 x 4 mm	Each	50.30
	g) 75 x 63 x 3.2 mm	Each	35.90
	h) 75 x 45 x 3.2 mm	Each	31.00
	i) 50 x 45 x 3.2 mm	Each	26.90

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
32.	Providing and fixing aluminum sliding door bolts anodised transparent or dyed to required color or shade with nuts and screws etc complete.		
	a) 300 x 16 mm	Each	151.40
	b) 250 x 16 mm	Each	123.60
33.	Providing and fixing aluminum Tower bolts anodized or transparent or dyed to required color or shade with necessary screws etc complete.		
	a) 300 x 10 mm	Each	104.80
	b) 250 x 10 mm	Each	56.00
	c) 150 x 10 mm	Each	40.10
	d) 100 x 10 mm	Each	35.30
34.	Providing and fixing aluminum Handles anodised transparent or dyed to required color or shade with necessary screws etc complete.		
	a) 125 mm	Each	44.40
	b) 100 mm	Each	38.70
	c) 75 mm	Each	33.20
35.	Providing and fixing 50 cm long aluminum kicking plate 100 x 3.15 mm anodised, transparent or dyed to required color or shade with necessary screws etc complete.	Each	190.40
36.	Providing and fixing chromium plated bright finished 100 mm mortice latch and lock with 6 levers and a pair of CP handles with necessary screws etc complete (best make of approved quality).	Each	184.40
37.	Extra for sheet glass panes 5.5 mm thick used instead of ordinary glass panes in glazed or panelled and glazed doors, windows or clerestory windows (total area of shutters to be measured).	Sqm	12.70
38.	Extra for providing vision panel not exceeding 0.1 Sq.m. in all types of flush door shutters (excluding cost of glass).		
	a) Rectangular or square	Sqm of door area	80.50
	b) Commercial type door	Sqm of door area	149.80



## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
39.	Extra if louvers not exceeding 0.2 Sq.m. are provided in flush door shutters (total area of shutters to be measured).		
	a) Decorative type door	Sqm of door area	273.90
	b) Commercial type door	Sqm of door area	222.80
40.	Providing and fixing louvers 50 mm wide in grooves in clerestory windows frames excluding the cost of frames.		
	a) Timber class - A IV, 12 mm thick	Sqm	824.00
	b) Timber class - B I, 12 mm thick	Sqm	392.20
	c) Timber class - B II, Scantling (12 mm thick)	Sqm	252.80
	d) Timber class - C, 12 mm thick	Sqm	310.70
	e) Asbestos cement sheet 6 mm thick	Sqm	364.20
	f) Glass sheet 3 mm thick	Sqm	572.20
41.	Providing and fixing 12 mm thick and 100 mm wide pelmet with 25 mm dia wooden curtain rod and brackets including fixing with 25 x 3 mm MS flat 10 cm long and plugs etc complete.		
	a) Timber class - A IV	Mtr	186.30
	b) Timber class - B I	Mtr	92.40
	c) Timber class - B II	Mtr	75.80
	d) Timber class - C.	Mtr	89.40
42.	Providing and fixing 12 mm thick and 100 mm wide pelmet of flat pressed 3 layer particle board (medium density) with 25 mm dia second class teak wood curtain rod and brackets including fixing with 25 x 3 mm MS flat 10 cm long and plugs etc complete.	Mtr	304.20
43.	Extra for using veneered particle board in item on pelmets 12 mm thick and 100 mm wide.		
	a) Teak wood veneering each face	Mtr	187.00
	b) Commercial wood veneering each face	Mtr	92.40
44.	Providing and fixing 12 mm thick and 150 mm wide pelmet with 25 mm dia wooden curtain rod and brackets including fixing with 25 x 3 mm MS flat 10 cm long and plugs etc complete.		

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
	a) Timber class - A IV	Mtr	220.50
	b) Timber class - B I	Mtr	111.20
	c) Timber class - B II	Mtr	91.90
	d) Timber class - C	Mtr	107.60
45.	Providing and fixing 12 mm thick and 150 mm wide pelmet of flat pressed 3 layer particle board (medium density) with 25 mm dia second class teak wood curtain rod and brackets including fixing with 25 x 3 mm MS flat 10 cm long and plugs etc complete.	Mtr	377.90
46.	Extra for using veneered particle board in item of pelmet 12 mm thick and 150 mm wide.		
	a) Teak wood veneering each face	Mtr	145.70
	b) Commercial wood veneering each face	Mtr	112.70
47	Providing and fixing 25 mm dia first class Indian teak wood curtain rods with brackets plugs etc wherever required.	Mtr	51.10
48.	Providing and fixing 38 mm panelled glazed or panelled and glazed partitions fixed to frames with iron screws etc complete (frames to paid separately).		
	a) Timber class - A IV	Sqm	1670.60
	b) Timber class - B I	Sqm	872.60
	c) Timber class - B II	Sqm	740.80
49.	Providing and fixing plain asbestos cement sheet 6 mm thick in partitions including fixing to frames with brass screws etc complete with 50 x 12 mm soft wood (chamal wood) beading (frames to be paid separately).	Sqm	399.10
50.	Providing and fixing in partitions 4 mm thick hard board of approved quality including fixing in frames with brass screws etc complete with 50 x 12 mm wooden beading (frames to be paid separately).		
	a) Timber class - B I	Sqm	272.00
	b) Timber class - A IV	Sqm	314.40
51.	Sawing charges for converting wooden sleepers of logs into planks and scantlings etc.		
	a) Soft wood	Sqm	14.10
	b) Hard wood	Sqm	21.60

## I - WOOD WORK

## WOOD WORK

Sl.No.	Description	Unit	Rate
52.	25mm thick wooden shelves supported on 40 x 40 x 6 mm "T" or "L" iron brackets fixed at suitable distance but not exceeding 75 cm apart in 7.5 x 7.5 x 15 cm block of cement concrete mix 1 : 3 : 6 ( 1cement: 3 coarse sand: 6 graded stone shingle 20 mm nominal size) with :		
	a) Approved local wood best available class - B.	Sqm	857.50
	b) 2nd class approved local wood class - B I.	Sqm	857.50
53.	Providing and fixing 40 x 3 mm flat iron hold fasts 40 cm long including fixing to frame with 10 mm dia bolts, nuts and wooden plugs and embedding in cement concrete block 30 x 10 x 15 cm in 1 : 3 : 6 (1 cement : 3 sand : 6 hard stone shingle 40 mm nominal size).	Sqm	50.80

## J - STEEL WORK

## STEEL WORK

Sl.No.	Description	Unit	Rate
1.	Steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red lead paint.		
	a) In RS Joists	Quintal	4819.70
	b) In Tees, Angles and Channels	Quintal	4409.10
	c) In Flats up to 10 mm in thickness	Quintal	4549.60
2.	Steel work riveted or bolted in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint.		
	a) In RS Joists	Quintal	4781.30
	b) In Tees, Angles, Flats and Channels	Quintal	4977.80
3.	Providing and fixing in position collapsible steel shutters with vertical channels 20 mm x 10 mm x 2 mm and braced with flat iron diagonals 20 mm x 5 mm size with top and bottom rails of T iron 40 mm x 40 mm x 6 mm with 38 mm dia steel pulleys complete with bolts, nuts, locking arrangements, stoppers, handles including applying a priming coat of red lead paint.	Sqm	3633.00
4.	Providing and fixing MS fan clamp type I of 16 mm dia MS bar bent to shape with hooked ends in RCC slabs during lying including painting the exposed portion of loop all as per standard design complete.	Each	59.10
5.	Extra over rate of item No. 4 for providing and fixing MS fan clamp type-2 as per standard design in RCC beams during laying, towards the additional height of the clamp due to beam rib.	Cm	0.90
6.	Supplying and fixing rolling shutters of approved make, made of 80 x 1.25 mm MS laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete but excluding the cost of the top cover and spring.	Sqm	1648.70
7.	Providing and fixing 27.5 cm long wire spring grade No. 2 for rolling shutters.	Each	457.50
8.	Providing and fixing top cover for rolling shutters.	Mtr	594.40
9.	Providing and fixing ball bearing for rolling shutters.	Each	238.40

## J - STEEL WORK

## STEEL WORK

Sl.No.	Description	Unit	Rate
10.	Providing and fixing MS round holding down bolts with nuts and washer plates etc complete.	Quintal	4322.50
11.	Providing and fixing bolts up to 300 mm in length including nuts and washers complete.	Quintal	6769.30
12.	Providing and fixing bolts above 300 mm in length including nuts and washers complete.	Quintal	6769.30
13.	Providing and fixing MS rivets of sizes in position.	Quintal	9630.10
14.	Welding by gas plant	Cm length	5.80
15.	Welding by Electric plant	Cm length	4.80
16.	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer welded and bolted including special shaped washers etc complete (welding to be paid separately).	Kg	57.90
17.	Providing and fixing T-iron frames for doors, windows and ventilators of MS Tee sections joints mitred and welded with 15 x 3 mm legs, 10 cm long embedded in cement concrete block 15 cm x 10 cm x 10 cm size of 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or bolt and nuts as required, including fixing of necessary butt hinges and screws and applying a priming coat of approved primer.	Kg	52.80
18.	Providing and fixing T-iron frames for doors, windows and ventilators of MS Tee sections joints mitred and welded with 15 x 3 mm legs, 10 cm long embedded in cement concrete block 15 cm x 10 cm x 10 cm size of 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded shingle 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or bolt and nuts as required, including fixing of necessary butt hinges and screws and applying a priming coat of approved primer.	Kg	53.00

## K - FLOORING

## FLOORING

Sl.No.	Description	Unit	Rate
<b>: CEMENT CONCRETE FLOORING AND SKIRTING :</b>			
1.	25 mm thick cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) finished with a floating coat of neat cement.	Sqm	223.80
2.	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement.		
	a) 40 mm thick	Sqm	194.90
	b) 50 mm thick	Sqm	230.60
	c) 75 mm thick	Sqm	318.00
3.	40 mm thick red oxide flooring, under layer of 30 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 12.5 mm nominal size) & top layer of 10 mm thick plaster of cement red oxide mix (using 3.5 kg of red oxide of iron per 50 kg of cement) 1 : 3 (1 cement red oxide mix : 3 coarse sand) finished with a floating coat of neat cement red oxide mix of same proportion.	Sqm	419.90
4.	Add or deduct per 1kg for using more or less than 3.5 kg of red oxide of iron per 50 kg of cement in 40 mm thick red oxide flooring.	Sqm	17.60
5.	Cement plaster skirting (up to 30 cm height) with cement mortar 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, including rounding of junctions with floor.		
	a) 18 mm thick	Sqm	169.60
	b) 21 mm thick	Sqm	181.80
6.	Red oxide plaster skirting (up to 30 cm height) with top layer of 6 mm thick plaster of cement red oxide mix (using 3.5 kgs of red oxide of iron per 50 kg of cement) in mortar 1 : 3 (1 cement : 3 coarse sand) finished with floating coat of cement red oxide mix of same proportion.		
	a) 18 mm thick with under layer 12 mm thick cement plaster 1 : 3 (1 cement : 3 coarse sand)	Sqm	201.60
	b) 21 mm thick with under layer 15 mm thick cement plaster 1 : 3 (1 cement : 3 coarse sand)	Sqm	213.10
7.	Add or deduct per 1Kg for using more or less than 3.5 kgs of red oxide of iron per 50 kg of cement in 18 mm or 21 mm thick red oxide plaster skirting.	Sqm	9.90

## K - FLOORING

## FLOORING

Sl.No.	Description	Unit	Rate
: TERRAZZO FLOORING :			
8.	40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stones aggregate 12.5 mm nominal size) and top layer 6 mm thick with white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size, laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips by volume).		
	a) Dark shade pigment with ordinary cement	Sqm	526.30
	b) Light shade pigment with white cement	Sqm	654.00
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	587.90
	d) White cement without any pigment	Sqm	606.30
	e) Light shade pigment with ordinary cement	Sqm	530.60
9.	40 mm thick marble chips flooring, rubbed and polished to granolithic finish under layer 31 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 9 mm thick with white, black or white and black marble chips of sizes from 4 mm to 7 mm nominal size, laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips) by volume.		
	a) Dark shade pigment with ordinary cement	Sqm	561.80
	b) Light shade pigment with white cement	Sqm	749.10
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	649.60
	d) White cement without any pigment	Sqm	679.20
	e) Light shade pigment with ordinary cement	Sqm	567.90
10.	40 mm thick marble chips flooring, rubbed and polished to granolithic finish under layer 28 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 12 mm thick with white, black or white and black marble chips of sized from 7 mm to 10 mm nominal size, laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 2 : 3 (2 cement marble powder mix : 3 marble chips) by volume.		
	a) Dark shade pigment with ordinary cement	Sqm	610.00
	b) Light shade pigment with white cement	Sqm	865.40
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	733.00
	d) White cement without any pigment	Sqm	777.10

## K - FLOORING

## FLOORING

Sl.No.	Description	Unit	Rate
	e) Light shade pigment with ordinary cement	Sqm	618.50
11.	Extra/Less, if 12.5 mm nominal size brick aggregate is used instead of 12.5 mm nominal size stone aggregate in marble chips flooring in :		
	a) Bottom 34 mm thick layer	Sqm	-0.40
	b) Bottom 31 mm thick layer	Sqm	-0.40
	c) Bottom 28 mm thick layer	Sqm	-0.50
12.	Marble chips skirting (up to 30 cm height) rubbed and polished to grandolithic finish top layer 6 mm thick with white, black or white and black marble chips of sized from smallest to 4 mm nominal size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips) by volume.		
	(A) 18 mm thick with under layer 12 mm thick in cement plaster 1 : 3 (1 cement : 3 coarse sand).		
	a) Dark shade pigment with ordinary cement	Sqm	499.20
	b) Light shade pigment with white cement	Sqm	626.90
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	1115.60
	d) White cement without any pigment	Sqm	585.10
	e) Light shade pigment with ordinary cement	Sqm	503.90
	(B) 21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement : 3 coarse sand).		
	a) Dark shade pigment with ordinary cement	Sqm	510.60
	b) Light shade pigment with white cement	Sqm	638.30
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	572.20
	d) White cement without any pigment	Sqm	596.50
	e) Light shade pigment with ordinary cement	Sqm	510.70
13.	Extra/Less, if chocolate, grey or yellow marble chips are used instead of white, black or white and black chips in marble chips flooring or skirting in :		
	a) Top 6 mm thick layer	Sqm	0.60
	b) Top 9 mm thick layer	Sqm	1.40
	c) Top 12 mm thick layer	Sqm	1.90
14.	Extra/Less, if Baroda green marble chips are used instead of white, black or white and black chips in marble chips flooring or skirting in :		
	a) Top 6 mm thick layer	Sqm	11.60



## K - FLOORING

## FLOORING

Sl.No.	Description	Unit	Rate
	b) Top 9 mm thick layer	Sqm	17.40
	c) Top 12 mm thick layer	Sqm	23.20
15.	Extra for providing and fixing aluminum strips 40 mm wide and 1.6 mm thick in joints of terrazzo floor.	Sqm	53.00
16.	Extra for providing and fixing glass strips in joints of terrazzo floor.		
	a) 40 mm wide and 4 mm thick	Sqm	62.10
	b) 40 mm wide and 6 mm thick	Sqm	65.60
17.	Extra for terrazzo flooring laid as floor borders, margins and similar bands exceeding 7.5 cm but not exceeding 30 cm in width.	Sqm	8.80
18.	Extra for laying terrazzo flooring on stairs case treads not exceeding 30 cm in width including the cost of forming, nosing etc.	Sqm	13.20

## : TERRAZZO TILE FLOORING :

19.	Pre-cast terrazzo tiles 20 mm thick with white, black or white and black marble chips of sizes up to 6 mm laid in floor, treads of steps and landings on 25 mm thick bed of cement mortar 1 : 3 (1 cement : 3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with pre-cast tiles of :		
	a) Light shade using white cement	Sqm	1041.30
	b) Medium shade using approximately 50% white cement and 50% ordinary cement.	Sqm	969.40
	c) Dark shade using ordinary cement	Sqm	902.50
20.	Pre-cast terrazzo tiles 20 mm thick with marble chips of sizes upto 6 mm in skirting and risers of steps not exceeding 30 cm in height on 12 mm thick cement plaster 1 : 3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing complete with tiles of :		
	a) Light shades using white cement	Sqm	1124.90
	b) Medium shade using approximately 50% white cement and 50% ordinary cement.	Sqm	1017.00
	c) Dark shade using ordinary cement	Sqm	916.80
21.	Pre-cast terrazzo tiles 20 mm thick with marble chips of sizes up to 6 mm fixed on wall on 12 mm thick cement plaster 1 : 3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing complete with tiles of :		

## K - FLOORING

## FLOORING

Sl.No.	Description	Unit	Rate
	a) Light shades using white cement	Sqm	1111.70
	b) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	1003.80
	c) Dark shade using ordinary cement	Sqm	903.60
22.	Chequered terrazzo tiles 22 mm thick with marble chips of sizes upto 6mm in floors on 25 mm thick bed mortar 1 : 3 (1 cement : 3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete:		
	a) Light shades using white cement	Sqm	1503.80
	b) Medium shade using approximately 50% white cement and 50% ordinary cement.	Sqm	1438.80
	c) Dark shade using ordinary cement	Sqm	1386.10
23.	Extra, if terrazzo tiles are laid in treads of steps not exceeding 30 cm in width.	Sqm	18.60
24.	Extra, if cut tiles other than half tiles are used in risers of steps skirting and dado.	Sqm	63.50
25.	Extra for making chequeres of approved pattern on cement concrete floors, landing and pavements etc.	Sqm	12.20
26.	White glazed tiles 5mm.thick in flooring, skirting, risers of step and dado in 12 mm thick cement plaster 1 : 3(1 cement: 3 coarse sand) painted with white cement slurry.	Sqm	1530.50
<b>: WOODEN FLOORING :</b>			
27.	First class Indian teak wood 25 mm wooden plankings tongued and grooved in flooring including fixing with screw complete.	Sqm	1504.20
28.	Class - B I Indian teak wood 25 mm wooden plankings tongued and grooved in flooring including fixing with screws complete.	Sqm	720.60
29.	Class - C wood 25 mm plankings tongued and grooved in flooring including fixing with screw complete.	Sqm	679.30
30.	Class IV wood 25 mm plankings tongued and grooved in flooring including fixing with screw complete.	Sqm	1471.00

## K - FLOORING

## FLOORING

Sl.No.	Description	Unit	Rate
31.	Soft wood 25 mm plankings tongued and grooved in flooring including fixing with screw complete.	Sqm	707.30
32.	25 mm thick cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone shingle 12.5 mm nominal size) finished with a floating coat of neat cement.	Sqm	234.60
33.	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone shingle 20 mm nominal size) finished with a floating coat of neat cement.		
	a) 40 mm thick	Sqm	208.60
	b) 50 mm thick	Sqm	247.60
	c) 75 mm thick	Sqm	343.60
34.	40 mm thick red oxide flooring, under layer of 30 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone shingle 12.5 mm nominal size) & top layer of 10 mm thick plaster of cement red oxide mix (using 3.5 kg of red oxide of iron per 50 kg of cement) 1 : 3 (1 cement red oxide mix : 3 coarse sand) finished with a floating coat of neat cement red oxide mix of same proportion.	Sqm	426.80
35.	40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stones shingle 12.5 mm nominal size) and top layer 6 mm thick with white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size, laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips by volume).		
	a) Dark shade pigment with ordinary cement	Sqm	534.10
	b) Light shade pigment with white cement	Sqm	661.80
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	595.70
	d) White cement without any pigment	Sqm	614.20
	e) Light shade pigment with ordinary cement	Sqm	538.40
36.	40 mm thick marble chips flooring, rubbed and polished to granolithic finish under layer 31 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone shingle 12.5 mm nominal size) and top layer 9 mm thick with white, black or white and black marble chips of sizes from 4 mm to 7 mm nominal size, laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips) by volume.		

## K - FLOORING

## FLOORING

Sl.No.	Description	Unit	Rate
	a) Dark shade pigment with ordinary cement	Sqm	569.00
	b) Light shade pigment with white cement	Sqm	721.40
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	621.90
	d) White cement without any pigment	Sqm	686.40
	e) Light shade pigment with ordinary cement	Sqm	540.20
37.	40 mm thick marble chips flooring, rubbed and polished to granolithic finish under layer 28 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone shingle 12.5 mm nominal size) and top layer 12 mm thick with white, black or white and black marble chips of sized from 7 mm to 10 mm nominal size, laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 2 : 3 (2 cement marble powder mix : 3 marble chips) by volume.		
	a) Dark shade pigment with ordinary cement	Sqm	616.50
	b) Light shade pigment with white cement	Sqm	824.40
	c) Medium shade pigment with approximately 50% white cement and 50% ordinary cement.	Sqm	692.00
	d) White cement without any pigment	Sqm	783.60
	e) Light shade pigment with ordinary cement	Sqm	577.50
38.	Extra/Less, if 12.5 mm nominal size brick aggregate is used instead of 12.5 mm nominal size stone aggregate in marble chips flooring in :		
	a) Bottom 34 mm thick layer	Sqm	7.40
	b) Bottom 31 mm thick layer	Sqm	6.80
	c) Bottom 28 mm thick layer	Sqm	6.00

## L - ROOFING

## ROOFING

Sl.No.	Description	Unit	Rate
<b>: SLOPING ROOFS :</b>			
1.	Providing corrugated G.I.sheet roofing fixed with galvanised iron J or L hooks, bolts & nuts 8 mm dia with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete, excluding the cost of purlins, rafters and trusses.		
	a) 0.80 mm thick GI sheet	Sqm	649.70
	b) 0.63 mm thick GI sheet	Sqm	542.30
2.	Extra for providing and fixing corrugate GI sheets vertically or to a pitch exceeding to 60 degrees.	Sqm	3.50
3.	Extra for straight cutting and waste in CGI sheet roofing for making opening of area exceeding 40 Sq.dm. for chimney stacks, sky lights etc.		
	a) 0.80 mm thick sheet	Mtr	78.60
	b) 0.63 mm thick sheet	Mtr	66.70
4.	Providing ridges or hips 60 cm overall in plain G.I. sheet fixed with galvanised iron J or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete.		
	a) 0.80 mm thick GI sheet	Mtr	363.40
	b) 0.63 mm thick GI sheet	Mtr	311.10
5.	Providing 7 mm thick asbestos cement corrugated sheets roofing fixed with galvanised iron J or L hooks 8 mm dia. G.I. plain and bitumen washers complete excluding the cost of purlins, rafter and trusses.	Sqm	250.90
6.	Extra for providing and fixing wind ties of 40 x 6 mm flat iron section.	Mtr	87.20
7.	Extra for straight cutting and waste in A.C. corrugated, semi-corrugated sheet roofing for making opening of area exceeding 40 Sq.dm. for chimney stacks, sky light etc.		
	a) 7 mm thick corrugated sheets	Mtr	59.70
	b) 7 mm thick semi-corrugated sheets	Mtr	59.70
8.	Providing and fixing ridges and hips in asbestos cement sheets roofing with G.I. J or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers complete.		

## L - ROOFING

## ROOFING

Sl.No.	Description	Unit	Rate
	a) Close fitting adjustable ridge.	Mtr	259.60
	b) Serrated or plain wing adjustable ridge.	Mtr	195.10
9.	Lime concrete terracing on roofs average thickness 10 cm laid to fall with 25 mm gauge brick ballast and 50% mortar consisting of 1lime putty and 2 surki finished with gur and belgiri treatment complete.	Sqm	467.50
10.	Lime concrete terracing on roofs, average thickness 10 cm laid to fall with 25 mm gauge brick ballast and 50% mortar consisting of 1 lime putty and 2 surki finished with gur and belgiri treatment complete and covered with flat brick tiles grouted with cement mortar 1 : 3 (1 cement : 3 fine sand) over 12 mm layer cement mortar 1 : 3 (1 cement : 3 fine sand) and finished neat.	Sqm	819.50
11.	Extra for every additional 5.0 mm thickness of lime concrete terracing.	Sqm	20.10
12.	Painting top of roofs with bitumen of approved quality at 17 Kg per 10 Sq.m. impreganated with a coat of coarse sand at 0.06 Cu.m. per 10 Sq.m. including clearing the roof surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete.		
	a) With residual petroleum bitumen of penetration 80/100 of approved quality	Sqm	71.30
	b) With hot cut back bitumen	Sqm	71.30
<b>: CEILING :</b>			
13.	Providing and fixing 20 mm thick wooden planks ceiling (frame work for base to be paid separately) with M.S. screws.		
	a) Timber Plank Class - A IV	Sqm	883.20
	b) Timber Plank Class - B I	Sqm	343.20
14.	Providing and fixing 12 mm thick insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately).	Mtr	1008.50
15.	Providing and fixing 12 mm thick unveneered teak wood particle board of approved quality with necessary nails etc. complete (frame work to be paid separately).	Sqm	645.00
16.	Providing and fixing 3 mm thick hard board sheet ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately).	Sqm	250.50

## L - ROOFING

## ROOFING

Sl.No.	Description	Unit	Rate
17.	Providing and fixing 4.0 mm thick asbestors plain sheet ceiling of approved quality with necessary nails etc.complete (frame work for base to be paid separately).	Mtr	263.00
18.	Providing and fixing hessian cloth ceiling (10 Oz.) with karai wood beading 38 mm x 20 mm (size of panels 75 cm x 90 cm) (frame work for base to be paid separately).	Sqm	197.40
19.	Providing and fixing plain, square edged wooden beading 38 mm x 12 mm section with screws of approved quality for ceiling.		
	a) Best local approved quality wood.	Mtr	38.40
	b) Local soft wood	Mtr	26.10
20.	Extra for making chamfered edges of beading.	Mtr	5.80
<b>: RAIN WATER PIPES :</b>			
21.	Providing and fixing 600 mm long 100 mm diameter stone ware pipe in cement mortar 1 : 4 (1 cement : 4 fine sand).	Each	222.80
22.	Providing and fixing 600 mm long 100 mm dia cement pipe in cement mortar 1 : 4 (1 cement : 4 fine sand).	Each	240.90
23.	Providing and fixing on wall face C.I. rain water pipe including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1 : 2 ( 1 cement : 2 fine sand).		
	a) 75 mm diameter pipe	Mtr	404.50
	b) 100 mm diameter pipe	Mtr	338.10
	c)150 mm diameter pipe	Mtr	836.90
24.	Providing and fixing M.S. Holder bat clamps of approved design of C.I. or S.C.I. pipes embedded in and including cement concrete block 10 cm x 10 cm x 10 cm of 1 : 2 : 4 mix (1 cement : 2 coarse sand: 4 stone aggregate 20mm nominal size) including cost of cutting holes and making good the wall etc.		
	a) 75 mm diameter	Each	69.70
	b) 100 mm diameter	Each	75.00
	c) 150 mm diameter	Each	84.60

## L - ROOFING

## ROOFING

Sl.No.	Description	Unit	Rate
25.	Providing and fixing on wall face C.I. accessories for rain water pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1 : 2 ( 1 cement: 2 fine sand).		
	(A) CI Plain bend		
	a) 75 mm diameter	Each	219.70
	b) 100 mm diameter	Each	259.60
	c) 150 mm diameter	Each	182.60
	(B) CI head flat or corner type bend :		
	a) 75 mm diameter	Each	268.40
	b) 100 mm diameter	Each	319.30
	c) 150 mm diameter	Each	745.50
	(C) CI Plain shoes :		
	a) 75 mm diameter	Each	358.70
	b) 100 mm diameter	Each	537.40
	c) 150 mm diameter	Each	658.00
	(D) CI Offset (Plain) :		
	a) 55 mm projection - 75 mm diameter	Each	136.00
	b) 55 mm projection - 100 mm diameter	Each	186.90
	c) 55 mm projection - 150 mm diameter	Each	271.40
	d) 150 mm projection - 75 mm diameter	Each	178.20
	e) 150 mm projection - 100 mm diameter	Each	208.70
	f) 150 mm projection - 150 mm diameter	Each	453.50
26.	Providing and fixing for A.C. pipe on wall plugs and standard holder bat clamp comprising of two semicircular halves of flat iron and cast iron base screwed on wooden plugs :		
	a) 80 mm diameter	Each	84.80
	b) 100 mm diameter	Each	90.00
27.	Providing and fixing on wall face asbestos cement rain water pipe including jointing with spun yarn soaked in bitumen and cement mortar 1 : 2 ( 1 cement: 2 coarse sand) complete:		
	a) 80 mm diameter	Mtr	107.00
	b) 100 mm diameter	Mtr	198.60



## L - ROOFING

## ROOFING

Sl.No.	Description	Unit	Rate
28.	Providing and fixing on wall face asbestos cement fittings for rain water pipe including jointing with spun yarn soaked in bitumen and cement mortar 1 : 2 ( 1 cement : 2 coarse sand).		
	(A) Bend of required degree :		
	a) 80 mm diameter	Each	148.20
	b) 100 mm diameter	Each	228.80
	(B) (a) Offset 50 mm projection - 80 mm dia	Each	90.20
	(b) Offset 50 mm projection - 100 mm dia	Each	93.40
	(C) (a) Offset 150 mm projection - 80 mm dia	Each	196.50
	(b) Offset 150 mm projection - 100 mm dia	Each	212.60
	(D) Standard Shoe. :		
	a) 80 mm diameter	Each	90.20
	b) 100 mm diameter	Each	99.90
	(E) Head A.C. :		
	a) 80 mm diameter	Each	107.30
	b) 100 mm diameter	Each	139.50
<b>: BAMBOO ROOFING :</b>			
29.	Providing and fixing 25 mm to 40 mm diameter muli bamboo roof frame at 15 cm centre to centre including G.I. wire tied complete with one layer dhari mat lining on roof frame.	Sqm	122.30
30.	Providing and fixing 25 mm to 40 mm diameter muli bamboo roof frame at 22.5 cm centre to centre including G.I. wire tied complete with one layer dhari mat lining on roof frame.	Sqm	96.00
31.	Bamboo shingle roofing with 10 cm spacing of shingles and bamboo battens tied with G.I. wire including erecting and placing in position complete ( roof frame to be paid separately).	Sqm	216.30
32.	Thatch roofing with superior quality sungrass on bamboo roof frame tied with G.I. wire complete ( roof frame to be paid separately).		
	a) 22.50 cm thick thatching	Sqm	110.00
	b) 15 cm thick thatching	Sqm	84.10
	c) 10 cm thick thatching	Sqm	52.20
	d) 7.50 cm thick thatching	Sqm	49.40

## L - ROOFING

## ROOFING

Sl.No.	Description	Unit	Rate
33.	Ridge and hips with double dhari and one layer of tarja.	Mtr	76.30
34.	Ridge and hips with sungrass ( new).	Mtr	14.20
35.	Providing double dhari mat ceiling strengthened with split bamboo battens and tied with G.I. wire including fittings and fixing complete:		
	a) 15 cm apart batten	Sqm	102.50
	b) 22.50 cm apart batten	Sqm	89.70
36.	Providing champakampa tarja ceiling with split bamboo battens and tied with G.I. wire including fitting and fixing complete.	Sqm	214.40
37.	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown or/and residual bitumen applied hot @ 1.45 Kg. per Sq.m. of area for each courses, second course of roofing felt type-3 grade-I (hessian base self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or pea size gravel spread at 6 Cu.dm. per sqm. including preparation of surface excluding grading complete.	Sqm	170.90
38.	Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or/and residual bitumen applied hot @ 1.45, 1.20 & 1.45 Kg. per Sq.m. of area respectively, second & fourth courses of roofing felt type-3 grade-I (hessian base finished bitumen felt) and sixth and final course of stone grit 6 mm and down size or pea size gravel spread at 6 Cu.dm. per Sq.m. including preparation of surface excluding grading complete.	Sqm	266.20
39.	Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or/and residual bitumen applied hot @ 1.45, 1.20 & 1.70 Kg. per Sq.m. of area respectively, second & fourth courses of roofing felt type-2 grade-I (fibre base self finished bitumen felt) and sixth and final course of stone grit 6 mm and down size or pea size gravel spread at 6 Cu.dm. per Sq.m. including preparation of surface excluding grading complete.	Sqm	314.10
40.	Supplying and applying bituminous solution primer on roof and or wall surface at 0.24 litre per Sq.m.	Sqm	15.90
41.	Supplying and laying under layer of bitumen saturated felt type-I.	Sqm	61.50

## L - ROOFING

## ROOFING

Sl.No.	Description	Unit	Rate
42.	Deduct for omitting in water proffing treatment final course of spreading stone grit 6 mm and down size or pea sized gravel.		
	a) At 6 Cu.dm. per Sq.m.	Sqm	12.30
	b) At 8 Cu.dm. per Sq.m.	Sqm	16.10
43.	Grading roof for water proofing treatment with:		
	a) Lime concrete with 20 mm nominal size brick aggregate and 50% lime mortar 1 : 2 (1 lime putty : 2 surki).	Cum	4597.70
	b) Cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	3450.40
	c) Cement mortar 1 : 3 (1 cement : 3 coarse sand).	Cum	5297.60
	d) Cement mortar 1 : 4 (1 cement : 4 coarse sand).	Cum	4428.50
44.	Providing and laying plastic roofing compound standard black (using 2.75 Kg. per Sq.m.) over a surface painted with cold liquid plastic roofing compound at 0.24 Litre per Sq.m. including spreading coarse sand over the top surface at 6 Cu.dm. per Sq.m. etc. complete.	Sqm	131.90
45.	Providing Alumunium Corrugated Sheet Roofing fixed with 'J' hooks,bolts,nuts, washer with bitumen (the 'J' hook,nut and bolt are as per IS:733 of 1983) and limpet washer filled with white lead complete excluding the cost of the purlins,rafters and trusses.		
	a)Using 0.65 mm thick Alumunium Corrugated Sheet	Sqm	639.40
	b)Using 0.71 mm thick Alumunium Corrugated Sheet	Sqm	682.20
46.	Providing Alumunium Troughed Sheet Roofing fixed with 'J' hooks,bolts,nuts, washer with bitumen (the 'J' hook,nut and bolt are as per IS:733 of 1983) and limpet washer filled with white lead complete excluding the cost of the purlins,rafters and trusses.		
	a)Using 0.65 mm thick Alumunium Troughed Sheet	Sqm	691.40
	b)Using 0.71 mm thick Alumunium Troughed Sheet	Sqm	739.80

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
<b>: CEMENT PLASTER :</b>			
1.	12 mm cement plaster 1 : 3 (1 cement : 3 fine sand).	Sqm	92.60
2.	12 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	Sqm	80.10
3.	12 mm cement plaster 1 : 5 (1 cement : 5 fine sand).	Sqm	73.40
4.	12 mm cement plaster 1 : 6 (1 cement : 6 fine sand).	Sqm	67.60
5.	15 mm cement plaster 1 : 3 (1 cement : 3 fine sand) on the rough side of single or half brick wall.	Sqm	109.70
6.	15 mm cement plaster 1 : 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall.	Sqm	94.70
7.	15 mm cement plaster 1 : 5 (1 cement : 5 fine sand) on the rough side of single or half brick wall.	Sqm	86.70
8.	15 mm cement plaster 1 : 6 (1 cement : 6 fine sand) on the rough side of single or half brick wall.	Sqm	79.80
9.	20 mm cement plaster 1 : 3 (1 cement : 3 fine sand).	Sqm	137.40
10.	20 mm cement plaster 1 : 4 (1 cement : 4 fine sand).	Sqm	118.00
11.	20 mm cement plaster 1 : 5 (1 cement : 5 fine sand).	Sqm	107.50
12.	20 mm cement plaster 1 : 6 (1 cement : 6 fine sand).	Sqm	98.50
13.	6 mm cement plaster to ceiling 1 : 3 (1 cement : 3 fine sand).	Sqm	60.40
14.	6 mm cement plaster to ceiling 1 : 4 (1 cement : 4 fine sand).	Sqm	54.10
15.	Neat cement punning.	Sqm	25.10
16.	6 mm cement plaster 1 : 3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of lime wash on top of walls when dry for bearing of RCC slabs and beams.	Sqm	125.00

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
17.	Extra for plaster to ceiling above 5 m height from floor level for every additional height of one metre or part there-of.	Sqm	12.90
18.	Extra for plastering spherical ceiling.	Sqm	29.00
19.	Extra for providing and mixing water proofing materials in proportion recommended by the manufacturers.	Sqm	10.10
20.	18 mm mud plaster in two coats of 12 mm under layer and 6 mm top layer including finishing smooth complete.	Sqm	27.80
21.	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.	Sqm	14.20
22.	Extra for plastering on circular work not exceeding 6 m in radius.	Sqm	7.80
23.	Extra for plastering done on mouldings cornices or architraves including neat finishing to the line and level.	Sqm	112.70

## : SUPERIOR PLASTER :

24.	18 mm plastering with terrazzo finish rubbed and polished complete, under layer 12 mm thick cement plaster 1 : 3 (1 cement : 3 fine sand) and top layer 6 mm thick white, black or white and black marble chips of 3 mm and down size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips) by volume.	Sqm	399.40
25.	Extra if white cement is used instead of ordinary cement in top layer of 18 mm plastering with terrazzo finish.	Sqm	130.60
26.	Extra if red, chocolate, orange or buff (yellow) colour is added to grey or white cement in the top layer of 18 mm plastering with terrazzo finish.	Sqm	93.50
27.	Extra if black colour is added to grey or white cement in top layer of 18 mm plastering with terrazzo finish.	Sqm	83.50
28.	Extra if blue or green colour is added to grey or white cement in top layer of 18 mm plastering with terrazzo finish.	Sqm	83.60

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
<b>: PLAIN CEMENT MORTAR BANDS :</b>			
29.	12 mm thick plain cement mortar band in cement mortar 1 : 4 (1 cement : 4 fine sand).		
	a) Flush band	Per cm/m	1.50
	b) Sunk band	Per cm/m	1.60
	c) Raised band	Per cm/m	1.80
30.	18 mm thick plain cement mortar band in cement mortar 1 : 4 (1 cement : 4 fine sand).		
	a) Flush band	Per cm/m	1.90
	b) Sunk band	Per cm/m	2.00
	c) Raised band	Per cm/m	2.30
<b>: MOULDED CEMENT MORTAR BANDS :</b>			
31.	12 mm thick moulded cement mortar band in cement mortar 1 : 4 (1 cement : 4 fine sand).	Per cm/m	2.90
32.	18 mm thick moulded cement mortar band in cement mortar 1 : 4 (1 cement : 4 fine sand).	Per cm/m	3.60
33.	18 mm thick moulded cement mortar band in two coats under layer 12 mm thick with cement mortar 1 : 5 (1 cement : 5 coarse sand) top layer 6 mm thick with cement mortar 1 : 4 (1 cement : 4 fine sand).	Per cm/m	3.80
<b>: POINTING :</b>			
34.	Pointing on brick work with cement mortar 1 : 3 (1 cement : 3 fine sand).		
	a) Flush pointing	Sqm	44.30
	b) Ruled pointing	Sqm	46.90
	c) Cut or weather struck pointing.	Sqm	61.30
	d) Raised and cut pointing.	Sqm	82.20

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
35.	Pointing on stone work with cement mortar 1 : 3 (1 cement : 3 fine sand).		
	a) Flush pointing	Sqm	41.50
	b) Ruled pointing	Sqm	44.00
	c) Cut or weather struck pointing	Sqm	55.70
	d) Raised and Cut pointing	Sqm	79.50
36.	Pointing on brick flooring with cement mortar 1 : 2 (1 cement : 2 fine sand).		
	a) Flush pointing	Sqm	34.60
	b) Ruled pointing	Sqm	36.90
37.	Pointing on brick flooring with cement mortar 1 : 4 (1 cement : 4 fine sand).		
	a) Flush pointing	Sqm	30.70
	b) Ruled pointing	Sqm	33.00
<b>: WHITE WASHING, COLOUR WASHING AND DISTEMPERING :</b>			
38.	White washing with lime on new work (two or more coats) to give an even shade.	Sqm	6.60
39.	White washing with lime on old work to give an even shade.		
	a) In two or more coats	Sqm	6.60
	b) In one coat	Sqm	3.60
40.	White washing with whiting on new work (three or more coats) to give even shade.	Sqm	10.80
41.	White washing with whiting on old work to give even shade.		
	a) In two or more coats	Sqm	6.90
	b) In one coat	Sqm	3.80
42.	Colour washing such as green, blue or buff on new work (two or more coats) including a base coat of white washing with lime to give an even shade.	Sqm	10.90
43.	Colour washing such as green, blue or buff with lime on old work to give an even shade.		
	a) In two or more coats	Sqm	7.00
	b) In one coat	Sqm	3.90

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
44.	Colour washing such as green, blue or buff on new work (two or more coats) including a base coat or white washing with whiting to give an even shade.	Sqm	10.80
45.	Colour washing such as green, blue or buff on old work with whiting to give an even shade.		
	a) In two or more coats	Sqm	6.60
	b) In one coat	Sqm	3.70
46.	Hiramachi colour wash on new work (two or more coats) to give an even shade.	Sqm	10.40
47.	Hiramachi colour wash on old work (one or or more coats) to give an even shade.	Sqm	4.80
48.	Removing whitewash or colourwash by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc complete.	Sqm	2.50
<b>: DISTEMPERING :</b>			
49.	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work including priming coat of whiting to give an even shade.	Sqm	31.70
50.	Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.	Sqm	15.90
51.	Distempering (two or more coats) with oil bound washable distemper of approved brand and manufacture and of required shade on new work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade.	Sqm	47.00
52.	Distempering (one or more coats) with oil bound washable distemper of approved brand and manufacture and of required shade on old work to give an even shade.	Sqm	16.50
53.	Applying one coat of distemper primer of approved brand and manufacture on wall surface.	Sqm	20.30



## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
54.	Applying one coat of cement primer of approved brand and manufacture on wall surface.	Sqm	20.40
55.	Finishing walls with water proofing cement paint of approved brand and manufacture and required shade on new work (three or more coats) to give an even shade.	Sqm	120.00
56.	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade on old work (one or more coats) to give an even shade.	Sqm	50.80
57.	Removing dry or oil bound distemper by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	3.30
<b>: PAINTING :</b>			
58.	Painting two coats with oil type wood preservative of approved brand and manufacture on new work.	Sqm	33.10
59.	Painting one coat with oil type wood preservative of approved brand and manufacture on old work.	Sqm	26.30
60.	Coal tarring two coats on new work using 0.16 and 0.12 litre of coal tar per Sq.m. in the first and second coat respectively.	Sqm	28.20
61.	Coal tarring one coat on old work using 0.12 litre of coal tar per Sq.m.	Sqm	14.20
62.	Applying priming coat consisting of a mixture of red lead, white lead and double boiled linseed oil in the ratio of 0.7 Kg : 0.7 Kg : 1 Litre on wood work complete.	Sqm	30.50
63.	Applying priming coat with ready mixed pink primer of approved brand and manufacture on wood work complete.	Sqm	19.60
64.	Applying priming coat of a mixture of red lead raw linseed oil and turpentine oil in the ratio of 2.80 Kg : 1 Litre : 1 Litre on steel work complete.	Sqm	32.30
65.	Applying priming coat with ready mixed primer of approved brand and manufacture on steel work.	Sqm	18.20
66.	Applying priming coat with ready mixed genuine red lead paint of approved brand and manufacture on steel work.	Sqm	18.70

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
67.	Painting two or more coats (excluding priming coat) with superior ready mixed paint for wood work of approved brand and manufacture in all shades on new work to give an even shade.	Sqm	49.50
68.	Painting (one or more coats) with superior ready mixed paint for wood work of approved brand and manufacture in all shades on old work to give an even shade.	Sqm	31.20
69.	Painting two or more coats (excluding priming coat) with superior ready mixed paint for steel work of approved brand and manufacture in all shades on new work to give an even shade.	Sqm	49.50
70.	Painting one or more coats with superior quality ready mixed paint for steel work of approved brand and manufacture in all shades on old work to give an even shade.	Sqm	31.20
71.	Painting two or more coats on GI sheets with ready mixed superior paint of approved brand and manufacture on new work to give an even shade.	Sqm	32.80
72.	Painting one or more coats on GI sheets with ready mixed superior paint of approved brand and manufacture on old work to give an even shade.	Sqm	20.80
73.	Painting two or more coats on GI sheets with superior ready mixed paint of approved brand and manufacture in white, grey or green shades on new work to give an even shade.	Sqm	32.70
74.	Painting one or more coats on GI sheets with superior ready mixed paint of approved brand and manufacture in white, grey or green shades on old work to give an even shade.	Sqm	20.80
75.	Painting two or more coats with synthetic enamel paint of approved brand and manufacture in black or chocolate shade on new work over and including an under coat of suitable shade with ordinary paint of approved quality to give an even shade.	Sqm	39.50
76.	Painting one or more coats with synthetic enamel paint of approved brand and manufacture in black or chocolate shade on old work to give an even shade.	Sqm	25.40
77.	Painting one or more coats with black Japan paint of approved brand and manufacture to give an even shade.	Sqm	28.00

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
78.	Painting two or more coats with black anti-corrosive bituminous paint of approved brand and manufacture on new work to give an even shade.	Sqm	36.30
79.	Painting ( two or more coats) with black anti-corrosive bitumastic paint of approved brand and manufacture on old work to give an even shade.	Sqm	23.30
80.	Painting two or more coats with enamel paint of approved brand and manufacture in any shade on new work to give an even shade.	Sqm	36.70
81.	Painting (one or more coats) with enamel paint of approved brand and manufacture on old work in any shade to give an even shade.	Sqm	23.90
82.	Painting (two or more coats) with aluminium paint of approved brand and manufacture on new work to give an even shade.	Sqm	40.90
83.	Painting (one or more coats) with aluminium paint of approved brand and manufacture on old work to give an even shade.	Sqm	25.20
84.	Floor painting (two or more coats) with floor paint of approved brand manufacture of green shade on new work to give an even shade.	Sqm	65.80
85.	Floor painting (one or more coats) with floor paint of approved brand manufacture of green shade on old work to give an even shade.	Sqm	40.80
86.	Wall painting (two or coats) with plastic emulsion paint of approved brand and manufacture on new work to give an even shade.	Sqm	48.90
87.	Wall painting (one or more coats) with plastic emulsion paint of approved brand and manufacture on old work to give an even shade.	Sqm	30.90
88.	Varnishing (two or more coats) with Copal Varnish of approved brand and manufacture brand and manufacture on new work including an under coat of flatting varnish with glue sizing.	Sqm	69.80
89.	Varnishing (one or more coats) with Copal Varnish of approved brand and manufacture on old work.	Sqm	27.00
90.	Varnishing (two or more coats) with superior quality spar varnish of approved brand and manufacture brand and manufacture on new work including an under coat of flatting varnish with glue sizing.	Sqm	77.10

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
91.	Varnishing (one or more coats) with superior quality spar varnish of approved brand and manufacture on old work.	Sqm	31.10
92.	Oiling (two or more coats) with raw linseed oil on new work.	Sqm	23.00
93.	Oiling ( one or more coats) with raw linseed oil on old work.	Sqm	15.40
94.	Polishing on wood work with ready mixed superior wax polish of approved brand and manufacture on new work.	Sqm	38.20
95.	Polishing on wood work with ready mixed superior wax polish of approved brand and manufacture on old work.	Sqm	19.30
96.	Floor polishing on masonry or concrete floors with superior brand and manufacture wax polish of approved brand and manufacture.	Sqm	15.90
97.	Painting two or more coats on rain water, soil waste and vent pipes and fittings with black anti-corrosive bituminoustic paint of approve brand and manufacture over a priming coat of ready mixed genuine red lead on new work.		
	a) 75 mm dia	Mtr	15.10
	b) 100 mm dia	Mtr	20.00
	c) 150 mm dia	Mtr	29.60
98.	Painting one or more coats on rain water, soil waste and vent pipes and fittings with black anti-corrosive bituminoustic paint of approved brand and manufacture on old work.		
	a) 75 mm dia	Mtr	6.70
	b) 100 mm dia	Mtr	8.70
	c) 150 mm dia	Mtr	12.60
99.	Painting (two or more coats) on rain water, soil waste and vent pipes and fittings with aluminium paint of approved quality over a priming coat of ready mixed genuine red lead on new work.		
	a) 75 mm dia	Mtr	16.30
	b) 100 mm dia	Mtr	21.50
	c) 150 mm dia	Mtr	31.90
100.	Painting one or more coats on rain water, soil waste and vent pipes and fittings with aluminium paint of approved quality on old work.		

## M - FINISHING

## FINISHING

Sl.No.	Description	Unit	Rate
	a) 75 mm dia	Mtr	7.20
	b) 100 mm dia	Mtr	9.40
	c) 150 mm dia	Mtr	13.60
101.	Lettering with black Japan paint of approved brand and manufacture.	Per letter per Cm height	1.00
102.	Re-lettering with black Japan paint of approved brand and manufacture.	Per letter per Cm height	0.60
103.	Removing old paint or polish with paint remover of approved brand and manufacture and preparing surface.	Sqm	31.40
104.	French spirit polishing (two or more coats) including a coat of wood filler on new work.	Sqm	67.60
105.	French spirit polishing (one or more coats) on old work.	Sqm	36.10

## N - REPAIRS TO BUILDINGS REPAIRS TO BUILDINGS

Sl.No.	Description	Unit	Rate
1.	Repairs to plaster in patches of 2.50 Sq.m. and under including cutting the patch to proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 m lead.		
	a) With cement mortar 1 : 4 (1 cement : 4 fine sand)	Sqm	119.40
2.	Fixing door chowkhat in existing opening including embedding chowkhats in floor, cutting masonry for hold fasts, embedding hold fasts in cement concrete blocks with cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm shingle size), painting two coats of coal tar to sides of chowkhats and making good the damages to wall and floors complete including disposal of rubbish to the dumping ground within 50 m lead.	Each	351.60
3.	Fixing window chowkhats in existing openings including cutting masonry for hold fasts, embedding hold fasts in cement concrete blocks with cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm single gauge), painting two coats of coal tar to sides of chowkhats and making good the damage to walls complete including disposal of rubbish to the dumping ground within 50 m lead.	Each	220.50
4.	Fixing clerestory window chowkhats in existing openings including cutting masonry for hold fasts, embedding hold fasts in cement concrete blocks with cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm single size), painting two coats of coal tar to sides of chowkhats and making good the damage to walls complete including disposal of rubbish to the dumping ground within 50 m lead.	Each	148.30
5.	Providing and fixing wooden cleats to doors and windows with approved fittings including removal of old cleats where necessary including painting, polishing or bees-waxing to match the existing shades.		
	a) 1st class teak wood cleats with iron hinges and screws	Each	21.70
	b) Soft wood cleats with iron hinges and screws	Each	20.50
6.	Supplying and fixing glass panes with putty and nails including removal of broken glass panes where necessary.		
	a) Glass panes 2 mm thick and area 0.1 Sq.m. each	Sqm	706.30

## N - REPAIRS TO BUILDINGS REPAIRS TO BUILDINGS

Sl.No	Description	Unit	Rate
	b) Glass panes 3 mm thick and area 0.1 Sq.m. each	Sqm	936.70
	c) Frosted Glass panes 2 mm thick and area 0.1 Sq.m. each	Sqm	629.90
7.	Supplying and fixing Glass panes with wooden fillets including removal of broken glass panes and old wooden fillets wherever necessary but excluding cost of wooden fillets.		
	a) Glass panes 2 mm thick and area 0.1 Sq.m. each	Sqm	672.10
	b) Glass panes 3 mm thick and area 1 Sq.m. each	Sqm	902.50
	c) Frosted Glass panes 2 mm thick and area 1 Sq.m. each	Sqm	595.70
8.	Supplying and fixing new wooden fillets wherever necessary.		
	a) 1st class wood fillets	Mtr	14.40
	b) Soft wood fillets	Mtr	10.80
9.	Removal of old putty of glass panes	Mtr	13.80
10.	Refixing old glass panes with putty and nails.	Sqm	179.40
11.	Fixing old glass panes with old wooden fillets (excluding cost of fillets).	Sqm	112.70
12.	Supplying and fixing glass panes with wooden fillets including removal of broken glass panes and old wooden fillets wherever necessary.		
	a) Glass panes 2 mm thick	Sqm	737.90
	b) Glass panes 3 mm thick	Sqm	968.30
	c) Frosted galss panes 2 mm thick	Sqm	661.50
13.	Renewing wooden beams (not exceedng 4 m in length) in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 m lead.		
	a) Timber Plank Class A - IV	10 Cudm	146.10
	b) Soft wooden beams (Class - B I)	10 Cudm	144.80
	c) Soft wooden beams (Class - B II)	10 Cudm	137.60

## N - REPAIRS TO BUILDINGS REPAIRS TO BUILDINGS

Sl.No	Description	Unit	Rate
14.	Renewing wooden beams (above 4 metres and upto 5 metres length) in roofs, including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including disposal of rubbish to the dumping ground within 50 m lead.		
	a) Timber Plank Class A - IV	10 Cudm	155.00
	b) Soft wooden beams (Class - B I)	10 Cudm	154.00
	c) Soft wooden beams (Class - B II)	10 Cudm	148.00
15.	Renewing 100 mm dia 2.50 m long sal wood ballie posts embedded 60 cm in the ground in trench 45 cm dia and 75 cm deep filled with cement concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal gauge) including necessary excavation, cement concrete foundation and painting 2 coats with oil type wood preservative of approved brand and manufacture complete including disposal of rubbish to the dumping ground within 50 m lead.	Each	390.50
16.	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 m lead.	Sqm	6.70
17.	Raking out joints in lime or cement mortar and preparing the surface for repainting or replastering including disposal of rubbish to the dumping ground within 50 metre lead.	Sqm	8.90
18.	Providing and fixing MS fan clamps of standard shape and size in existing RCC slab including cutting chase and making good and painting exposed portion of the clamps complete.	Sqm	94.70



## O - DISMANTLING

## DISMANTLING

Sl.No.	Description	Unit	Rate
1.	Demolishing lime concrete and disposal of material within 50 m lead.	Cum	105.80
2.	Demolishing cement concrete 1 : 3 : 6 or richer mix including disposal off material within 50 metres lead.	Cum	302.90
3.	Demolishing cement concrete 1 : 4 : 8 or leaner mix including disposal of material within 50 m lead.	Cum	186.80
4.	Demolishing RCC work including stacking of steel bars and disposal of un-serviceable materials within 50 metres lead.	Cum	441.80
5.	Demolishing RB work including stacking of steel bars and disposal of un-serviceable materials within 50 m lead.	Cum	394.80
6.	Extra for cutting reinforcement bars in RCC or RB work.	Sqm	165.20
Note: Reinforced are considering 1% reinforcement = 0.01 Sq.m.			
7.	Extra for scrapping, cleaning and straightening reinforcement from RCC or RB work.	Quintal	126.40
Note: 10 Nos, 6 m long 16 mm dia bars with 1.58 Kg/m weight. Total weight = 94.80 Kg or 0.948 Quintal			
8.	Demolishing brick work in mud mortar including stacking of serviceable material and disposal of un-serviceable materials within 50 metres lead.	Cum	87.60
9.	Demolishing brick work in lime mortar including stacking of serviceable material and disposal of un-serviceable material within 50 metres lead.	Cum	105.80
10.	Demolishing brick work in cement mortar including stacking of serviceable material and disposal of un-serviceable material within 50 metres lead.	Cum	255.90
11.	Removing mortar from and cleaning bricks (Stacks of clean bricks shall be measured).		
	a) From brick work in mud mortar	Cum	296.20
	b) From brick work in lime mortar	Cum	347.90
	c) From brick work in cement mortar	Cum	439.50

## O - DISMANTLING

## DISMANTLING

Sl.No.	Description	Unit	Rate
12.	Dismantling wood work of sectional area 40 Sq.cm. and above wrought, framed and fixed in frames, other frames and trusses including stacking the material within 50 m lead.	Cum	631.80
13.	Dismantling wood work of sectional area below 40 Sq.cm. and above wrought, framed and fixed in frames, other frames and trusses including stacking the material within 50 m lead.	Mtr	2.50
14.	Dismantling doors, windows and clerestory windows (steel or wood) shutters including chowkhats, architrave, hold fasts etc complete and stcking within 50 m lead.		
	a) Of area 3 Sq.m. and below	Each	51.60
	b) Of area beyond 3 Sq.m.	Each	70.60
15.	Taking out doors, windows and clerestory windows shutters (steel or wood) including stacking within 50 m lead.		
	a) Of area 3 Sq.m. and below	Each	19.80
	b) Of area beyond 3 Sq.m.	Each	26.30
16.	Dismantling wooden chajjas and sunshades including stacking of serviceable material and disposal of unserviceable material within 50 m lead.	Sqm	19.40
17.	Dismantling steel work in single section in RS joists including dismembering and stacking within 50 m lead.	Quintal	43.40
18.	Dismantling steel work in single section in channels, angles, tees and flats including dismembering and stacking within 50 m lead.	Quintal	30.40
19.	Dismantling steel work in built up section in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc including dismembering and stacking within 50 m lead.	Quintal	75.50
20.	Dismantling steel work in built up section excluding dismembering and stacking within 50 m lead.	Quintal	47.30
21.	Extra for dismantling trusses, rafters, purlins etc of steel work for every additional span of one metre or part thereof beyond 10 m.	Quintal	10.60
22.	Extra for marking structural steel work required to be re-erected.	Quintal	62.20

## O - DISMANTLING

## DISMANTLING

Sl.No.	Description	Unit	Rate
23.	Dismantling the tile work in floors and roofs laid in cement including stacking of materials within 50 m lead.		
	a) For thickness of tiles 10 mm to 25 mm	Sqm	10.30
	b) For thickness of tiles above 25 mm and up to 40 mm	Sqm	16.30
24.	Dismantling dry brick pitching in floors, drains etc including stacking of serviceable material and disposal of unserviceable material within 50 m lead.	Cum	164.00
25.	Dismantling GI sheet roofing including ridges, hips, valleys and gutters etc and stacking the material within 50 m lead.	Sqm	22.50
26.	Dismantling asbestos sheet roofing including ridges, hips, valleys and gutters stacking the material within 50 m lead.	Sqm	10.50
27.	Demolishing thatch roofing including mats, bamboo jafri etc complete including stacking of serviceable material and disposal of unserviceable material within 50 m lead.	Sqm	7.30
28.	Dismantling ballies in posts, purlins or rafters including stacking within 50 m lead.	Mtr	2.60
29.	Dismantling CI or asbestos, rain water pipes with fittings and clamps including stacking the materials within 50 m lead.		
	a) 75 mm dia pipe	Mtr	9.40
	b) 100 mm dia pipe	Mtr	9.70
	c) 150 mm dia pipe	Mtr	11.30
30.	Dismantling of barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 m lead.	Quintal	457.50
31.	Dismantling wooden trellis work in position excluding frames but including stacking the serviceable material within 50 m lead.	Sqm	11.70
32.	Dismantling expanded metal or IRC fabrics in the necessary battens and beading including stacking the serviceable material within 50 m lead.	Sqm	9.90
33.	Dismantling wooden boarding in lining of walls and partitions excluding supporting members but including stacking within 50 m lead.		
	a) Up to 10 mm thick	Sqm	8.30

## O - DISMANTLING

## DISMANTLING

Sl.No.	Description	Unit	Rate
	b) Thickness above 10 mm and up to 25 mm	Sqm	10.60
	c) Thickness above 25 mm and up to 40 mm	Sqm	12.40
34.	Dismantling precast concrete or stone slabs in wall, partition walls etc including stacking within 50 m lead.		
	a) Thickness up to 38 mm	Sqm	37.00
	b) Thickness above 38 mm and up to 75 mm	Sqm	55.40
35.	Dismantling cement, asbestos, celotax or other ceiling or partition hard board partition wall including stacking of serviceable materials and disposal of unserviceable materials within 50 m lead.	Sqm	7.90
36.	Dismantling and stacking within 50 m lead fencing posts or struts including all earth work and dismantling of concrete etc in the base of :		
	a) I or L iron or pipes	Each	33.40
	b) RCC	Each	37.90
37.	Cutting ballies or wooden posts of fencing at the point of projection above the concrete or ground and stacking the same within 50 m lead.	Each	3.00

## P - MISCELLANEOUS

## MISCELLANEOUS

Sl.No.	Description	Unit	Rate
1.	Supplying at site 1.80 m long RCC standard posts with wooden plugs or 6 mm bar nibs.	Each	453.80
2.	Supplying at site 2 m long RCC standard struts.	Each	260.20
3.	1.20 m high fencing with 1.8 m RCC posts of standard design placed every 3 m apart, embedded in cement concrete blocks, corner end and every 10th post to be strutted, provided with 9 horizontal lines and two diagonals of barbed wire 9.38 Kg per 100 m (min) between two posts fitted and fixed with GI staples on wooden plugs tied to 6 mm bar nibs with binding wire (cost of RCC posts, struts, earth work and concrete to be paid for separately).		
	a) GI barbed wire	Mtr	67.60
	b) MS barbed wire	Mtr	56.10
4.	Supplying 80 mm to 100 mm minimum dia sal ballies at site in required length.	Mtr	40.80
5.	1.20 m high fencing with 1.8 m sal ballie posts 30 cm girth (min) placed every 2.50 m apart, embedded in cement concrete blocks, corner end and every 12th post to be strutted, provided with 6 horizontal lines and two diagonals of barbed wire 9.38 Kg per 100 m (min) between two posts fitted and fixed with GI staples including coal tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately).		
	a) GI barbed wire	Mtr	59.30
	b) MS barbed wire	Mtr	50.80
6.	1.80 m high fencing with 2.50 m sal ballie posts 30 cm girth (min) placed every 2.50 m apart, embedded in cement concrete blocks, corner end and every 12th posts to be strutted, provided with 9 horizontal lines and two diagonals of barbed wire 9.38 Kg per 100 m (min) between two posts fitted and fixed with GI staples including coat tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately).		
	a) GI barbed wire	Mtr	80.90
	b) MS barbed wire	Mtr	69.00
7.	2.40 m high fencing with 3.30 m sal ballies posts 30 cm girth (min) placed every 2.50 m apart, embedded in cement concrete blocks, corner end and every 12th posts to be strutted, provided with 12 horizontal lines and two diagonals of barbed wire 9.38 Kg per 100 m (min) between two posts fitted and fixed with GI staples including coal tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately).		

## P - MISCELLANEOUS

## MISCELLANEOUS

Sl.No.	Description	Unit	Rate
	a) GI barbed wire	Mtr	103.00
	b) MS barbed wire	Mtr	87.80
8.	1.20 m high welded steel wire fencing with 1.80 m RCC posts of standard design placed at every 3 m apart embedded in cement concrete blocks 45 x 45 x 60 cm of mix 1 : 5 : 10 (1 cement : 5 fine sand : 10 stone aggt. 40 mm nominal size), corner end and every 10th post to be strutted and embedded in cement concrete blocks of 70 x 45 x 50 cm of same mix provided with welded steel wire fabric 0.90 m wide, rectangular mesh 75 x 25 mm size weighing not less than 7.75 kg per Sq.m. fixed between the two posts fitted and fixed with GI staples on wooden plugs or tied to 6 mm bar nibs with binding wire including earth work in excavation, concrete work and cost of posts, struts etc complete.	Mtr	621.20
9.	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 stone aggregate using 20 mm nominal size) over 75 mm bed of stone ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	212.20
10.	Brick edging 7.50 cm wide and 12.50 cm deep to plinth protection with 2nd class bricks including grouting with cement mortar 1 : 4 (1 cement : 4 fine sand).	Mtr	31.70
11.	Making plinth protection with 2nd class bricks on edge in cement mortar 1 : 6 (1 cement : 6 fine sand) over 7.50 cm bed of dry bricks aggregate 40 mm nominal size rammed consolidated and grouted with fine sand and the top of bricks pointed with cement mortar 1 : 2 (1 cement : 2 fine sand).	Sqm	470.50
12.	Finishing edges of cement concrete sunk floors plastered with cement mortar 1 : 2 (1 cement : 2 coarse sand) including rounding the same and finished even and smooth with a floating coat of neat cement.	Mtr	19.50
13.	Finishing edges of mosaic sunk floor plastered with cement mortar 1 : 2 (1 cement : 2 coarse sand) round the same and providing top 6 mm layer of marble chips mixed with cement and pigment finished to required curve and polishing etc complete.		
	a) Dark shades pigment with ordinary cement	Mtr	49.00
	b) Light shade pigment with white cement	Mtr	59.50
	c) Medium shade pigment with 50% white and 50% ordinary cement	Mtr	54.10
14.	Providing and fixing 25 mm dia GI pipe outlet in cement mortar 1 : 3 (1 cement : 3 fine sand) including cutting and making good the wall.	Mtr	312.20

## P - MISCELLANEOUS

## MISCELLANEOUS

Sl.No.	Description	Unit	Rate
15.	Providing and fixing 40 mm dia GI Pipe outlet in cement mortar 1 : 3 (1 cement : 3 fine sand) including cutting and making good the wall.	Mtr	383.70
16.	Providing and fixing 10 cm dia flue of cement asbestos pipe with necessary specials including fixing in position with iron clamps complete.	Mtr	197.20
17.	Providing and fixing peg rack 75 x 10 x 2 cm thick of best available local wood with three hard wood pegs of approved design.	Each	118.40
18.	Providing chases 75 mm wide 50 mm deep (average size) in walls for conduit pipe and filling the same with cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm and down size) after the conduct pipe is laid (excluding the cost of conduit pipe).	Mtr	30.00
19.	Providing and fixing 25 x 25 x 1.50 mm angle iron or 25 x 3 mm tread plate to RCC steps.	Mtr	68.30
20.	Construction of 2nd class brick masonry chullah 0.75 x 0.45 x 0.25 m with two holes in cement mortar 1 : 6 (1 cement : 6 coarse sand) including fixing iron gratings 150 mm dia and finishing with mud and gobi plaster complete.	Each	267.40
21.	Providing and fixing one layer of champa kampa tarja wall with split bamboo (tarja) 75 mm wide and bamboo battens of 40 mm wide including tying with GI wire complete as per drawing and as directed by the Engineer-in-Charge (opening for doors and windows not to be deducted).	Sqm	203.60
22.	Providing and fixing one layer of champa kampa tarja wall with split bamboo (tarja) 75 mm wide and bamboo battens of 40 mm wide including one layer of dhari lining and tying with GI wire complete as per drawing and as directed by the Engineer-in-Charge (opening for doors and windows not to be deducted).	Sqm	220.10
23.	Providing and fixing muli bamboo tarja walling plain woven with split bamboo (tarja) 75 mm wide and bamboo battens of 40 mm wide including tying with GI wire complete as per drawing and as directed by the Engineer-in-Charge (opening for doors and windows not to be deducted).	Sqm	116.50
24.	Providing and fixing double layer dhari mat walling strengthened with split bamboo battens 40 mm wide including tying with GI wire complete as per drawing and as directed by the Engineer-in-Charge.	Sqm	87.80
25.	Providing and fixing muli bamboo jafri including tying with GI wire complete as per drawing and as directed by Engineer-in-Charge.	Sqm	66.30

## P - MISCELLANEOUS

## MISCELLANEOUS

Sl.No.	Description	Unit	Rate
26.	Providing and fixing muli bamboo compound fencing plain woven with split bamboo (tarja) 75 mm wide and bamboo battens of 40 mm wide including tying with GI wire complete as directed by Engineer-in-Charge.	Sqm	100.50
27.	Providing and fixing whole muli bamboo walling with muli bamboo 40 mm dia placed closely including bamboo battens tied with GI wire complete as per drawing and as directed by Engineer-in-Charge.	Sqm	166.90
28.	Providing and fixing jhap door (1.8 x 0.90 m) for compound fencing or for house with double layer dhari and jafri including split bamboo frames fitted and fixed with GI wire complete as per drawing and as directed by Engineer-in-Charge.	Each	360.80
29.	Providing and fixing jhap window (0.90 x 0.75 m) with double layer dhari and jafri including split bamboo frames fitted and fixed with GI wire complete as per drawing and as directed by Engineer-in-Charge.	Each	180.40
30.	Providing and fixing whole muli bamboo machan with barak bamboo 75 mm dia to 100 mm dia posts and runners tied with coir rope complete with one layer of champa kampa tarja matting as per drawing and directed by Engineer-in-Charge.	Sqm	393.40
31.	Providing and fixing Barak bamboo 75 mm dia to 100 mm dia posts, posts plates, ties, king posts etc tied with coir rope.	Mtr	12.50
32.	Coir rope laska ties (for independent work only) 6 ply	Each	8.10
33.	Leaping wall, floor and plinth with mud mixed with cowdung.	Sqm	7.10
34.	Providing and fixing third class local wood such as awal, neur, kata kuri, kurta and ramdala ballies (dressed) in posts, purlins, rafters, post plates etc including cost of nails and spikes as required and applying wood preservative paint on all exposed surfaces.		
	a) 100 mm dia	Mtr	42.40
	b) 125 mm dia	Mtr	46.00
	c) 150 mm dia	Mtr	52.20
35.	Renewing muli bamboo battens 40 mm wide for tarja wall, compound fencing, jafri etc including removal of old battens as directed by the Engineer-in-Charge.	Mtr	3.20



## P - MISCELLANEOUS

## MISCELLANEOUS

Sl.No.	Description	Unit	Rate
36.	Renewing muli bamboo roof frames with new muli bamboo including removing old sungrass or single dhari lining etc including tying with GI wire where necessary.	Sqm	55.80
37.	Repairs to thatching with new sungrass (superior quality) including tying with GI wire complete as directed.	Sqm	11.80
38.	Providing and fixing local wooden railing 0.75 m high with 7.5 x 5 cm top and bottom rails 7.5 x 5 cm sides and 5 cm x 5 cm intermediate vertical bars placed at 22.5 cm centre to centre including painting two or more coats as directed.	Mtr	426.40
39.	Providing and fixing soft wood 'EVE' board 25 mm thick and 225 mm wide including painting two coats complete as directed.	Mtr	125.50
40.	Providing and fixing 30 mm thick approved local wood (Class - B I) shelves 30 cm wide complete with wooden brackets not more than 1.52 m.	Mtr	298.80
41.	Providing and fixing 38 mm thick ( Class - B I ) approved local wood shelves 38 cm wide complete with wooden brackets not more than 1.52 m.	Mtr	350.30
42.	Providing and approved local wood (Class - B I) ventilating louvers or sun shade with 75 x 38 mm framed and 152 x 12.5 mm thick shutters complete.	Sqm	1008.80
43.	Providing and fixing local wood (Class - B I) skirting (plain) 23 cm deep 25 mm thick including fixing with necessary fittings complete.	Mtr	138.30
44.	Providing and fixing approved local wood (Class - B I) railing 91 cm high with 38 mm x 38 mm wooden bars at 10 cm centre to centre complete with top and bottom rails 89 mm x 51 mm complete.	Mtr	425.10
45.	Providing and fixing wooden step of approved local wood (Class - B I) 38 mm thick for 61 cm high plinth with 30 cm tread and 15 cm rise complete.	Mtr	1015.90
46.	Providing and fixing wooden steps of approved local wood (Class - B I) 35 cm thick for 61 cm high plinth with 23 cm tread and 15 cm rise complete.	Mtr	749.70

## Q - DRAIN

## DRAIN

Sl.No.	Description	Unit	Rate
1.	Construction of cement concrete drain 15 cm wide and 15 cm deep in cement concrete 1 : 3 : 6 (1 cement : 3 sand : 6 hard graded stone chips or shingle 40 mm and down gauge) 8 cm thick on sides and bottom and plastering and all exposed surfaces with 12 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) including shuttering complete.	Mtr	204.70
2.	Construction of cement concrete drain 30 cm wide and 23 cm deep in cement concrete 1 : 3 : 6 (1 cement : 3 sand : 6 hard graded stone chips/shingle 40 mm and down gauge) 8 cm thick on sides and bottom and plastering on all exposed surfaces with 12 mm thick cement mortar 1 : 3 (1 cement : 3 fine sand) including shuttering complete.	Mtr	288.00
3.	Making kutcha drain up to 30 cm wide and 23 cm deep in all soils including dressing removal of surplus earth and making proper gradient.	Mtr	7.80

## : STONE WARE PIPE :

4.	Providing laying and jointing glazed stone ware pipe grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.		
	a) 100 mm dia SW pipes	Mtr	336.60
	b) 150 mm dia SW pipes	Mtr	444.70
	c) 200 mm dia SW pipes	Mtr	595.60
5.	Providing and laying cement concrete 1 : 5 : 10 (1 cement : 5 lime sand : 10 graded stone aggregate 40 mm nominal size) all around SW Pipe including bed concrete 15 cm thick as per standard design.		
	a) 100 mm dia SW pipes	Mtr	350.20
	b) 150 mm dia SW pipes	Mtr	375.20
	c) 200 mm dia SW pipes	Mtr	431.00

## : RCC NON PRESSURE (NP2) PIPES :

6.	Providing and Layng light duty non-pressure NP2 Class RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 Cement : 2 fine sand) including testing joints etc complete.		
	a) 100 mm dia RCC Pipes (NP2)	Mtr	335.40

## Q - DRAIN

## DRAIN

Sl.No.	Description	Unit	Rate
	b) 150 mm dia RCC Pipes (NP2)	Mtr	441.90
	c) 250 mm dia RCC Pipes (NP2)	Mtr	645.60
	d) 300 mm dia RCC Pipes (NP2)	Mtr	872.20
7.	Providing and laying light duty non-pressure NP2 class RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1 : 2 (1 cement : 2 fine sand) including testing joints etc complete.		
	a) 450 mm dia RCC pipes (NP2)	Mtr	1875.20
	b) 600 mm dia RCC pipes (NP2)	Mtr	2687.90
	c) 700 mm dia RCC pipes (NP2)	Mtr	2802.00
	d) 900 mm dia RCC pipes (NP2)	Mtr	4245.10
	e) 1000 mm dia RCC pipes (NP2)	Mtr	4684.60
8.	Constructing brick masonry manhole with 2nd class bricks in cement mortar 1 : 5 (1 cement : 5 fine sand) RCC top slab with 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 stone single 20 mm nominal size), foundation concrete 1 : 4 : 8 mix (1 cement : 4 coarse sand : 8 stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) neatly finished complete as per standard design.		
	a) Inside size 90 x 80 cm and 45 cm deep including CI cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 Kg (weight of cover and frame to be not less than 38 kg, (weight of cover 23 Kg and weight of frame 15 Kg).	Each	5481.60
9.	Making soak pit 2.50 m dia 3 m deep with 45 x 45 cm dry brick honeycomb shaft and SW drain pipe 100 mmdia 1.80 m long complete as per standard design.	Each	18897.40
10.	Construction of soak pit 1.2 x 1.1 x 1.2 m filled with brick bats including SW drain pipe 100 mm dia and 1.20 m long complete as per standard design.	Each	2692.90

## R - WATER SUPPLY

## WATER SUPPLY

Sl.No.	Description	Unit	Rate
1.	Providing and fixing GI pipes complete with GI fittings and clamps including cutting and making good the walls (internal work).		
	a) 15 mm nominal bore	Mtr	128.70
	b) 20 mm nominal bore	Mtr	159.70
	c) 25 mm nominal bore	Mtr	220.30
	d) 32 mm nominal bore	Mtr	275.50
	e) 40 mm nominal bore	Mtr	318.10
	f) 50 mm nominal bore	Mtr	443.40
2.	Providing and fixing GI pipes complete with GI fittings including trenching and refilling etc (external work).		
	a) 15 mm nominal bore	Mtr	109.80
	b) 20 mm nominal bore	Mtr	134.80
	c) 25 mm nominal bore	Mtr	188.00
	d) 32 mm nominal bore	Mtr	233.30
	e) 40 mm nominal bore	Mtr	263.80
	f) 50 mm nominal bore	Mtr	365.80
	g) 65 mm nominal bore	Mtr	463.10
	h) 80 mm nominal bore	Mtr	587.70
	i) 100 mm nominal bore	Mtr	871.80
	j) 150 mm nominal bore	Mtr	1577.30
3.	Providing and fixing brass bib cock of approved quality.		
	a) 15 mm nominal bore	Each	139.10
	b) 20 mm nominal bore	Each	184.60
	c) 25 mm nominal bore	Each	274.40
4.	Providing and fixing brass full way valve with wheel of approved quality.		
	a) 32 mm nominal bore	Each	608.70
	b) 40 mm nominal bore	Each	1000.70
	c) 50 mm nominal bore	Each	1486.10
	d) 65 mm nominal bore	Each	1765.90
	e) 80 mm nominal bore	Each	3150.10
	f) 100 mm nominal bore	Each	4679.90
5.	Providing and fixing brass stop cock of approved quality.		
	a) 15 mm nominal bore	Each	183.60
	b) 20 mm nominal bore	Each	273.50
	c) 25 mm nominal bore	Each	274.40
	d) 32 mm nominal bore	Each	442.10

## R - WATER SUPPLY

## WATER SUPPLY

Sl.No.	Description	Unit	Rate
	e) 40 mm nominal bore	Each	1000.70
	f) 50 mm nominal bore	Each	1486.10
6.	Providing and fixing PVC connection pipe with brass union.		
	A) 30 cm length		
	a) 15 mm nominal bore	Each	86.50
	b) 20 mm nominal bore	Each	147.60
	B) 45 cm length		
	a) 15 mm nominal bore	Each	70.80
	b) 20 mm nominal bore	Each	106.30
7.	Providing and fixing non-return valve of approved quality.		
	a) 25 mm nominal bore	Each	365.20
	b) 32 mm nominal bore	Each	542.90
	c) 40 mm nominal bore	Each	772.60
	c) 50 mm nominal bore	Each	1209.20
	d) 65 mm nominal bore	Each	1945.60
	e) 80 mm nominal bore	Each	3413.70
8.	Providing and fixing CP brass shower rose with 15 mm or 20 mm dia inlet.		
	a) 100 mm dia	Each	392.40
	b) 150 mm dia	Each	597.10
9.	Providing and fixing ball valve (brass) of approved quality complete.		
	A) High pressure with copper floats		
	a) 15 mm nominal bore	Each	339.90
	b) 20 mm nominal bore	Each	462.60
	B) Low pressure with copper floats		
	a) 15 mm nominal bore	Each	339.90
	b) 20 mm nominal bore	Each	456.80
	c) 25 mm nominal bore	Each	698.70
	C) High or Low pressure with polythene floats		
	a) 15 mm nominal bore	Each	95.40
	b) 20 mm nominal bore	Each	109.50
	c) 25 mm nominal bore	Each	152.10

## R - WATER SUPPLY

## WATER SUPPLY

Sl.No.	Description	Unit	Rate
10.	Providing and fixing normal gauge HD polythene pipes of approved quality/complete with special flange compression type fittings (of approved make) including trenching and refilling etc (external work).		
	a) 25 mm nominal bore	Mtr	86.40
	b) 32 mm nominal bore	Mtr	123.80
	c) 40 mm nominal bore	Mtr	185.80
	d) 50 mm nominal bore	Mtr	282.30
11.	Providing and fixing normal gauge HD polythene pipes of approved quality complete with appropriate fittings including cutting and making good walls etc (internal work).		
	a) 20 mm nominal bore	Mtr	80.30
	b) 25 mm nominal bore	Mtr	110.60
	c) 32 mm nominal bore	Mtr	179.90
	d) 40 mm nominal bore	Mtr	252.00
12.	Painting G.I. pipes and fittings with white paint over a coat of ready mixed priming coat both of approved quality for new work.		
	a) 15 mm dia pipe	Mtr	4.20
	b) 20 mm dia pipe	Mtr	5.20
	c) 25 mm dia pipe	Mtr	6.80
	e) 40 mm dia pipe	Mtr	10.50
	f) 50 mm dia pipe	Mtr	12.60
	g) 65 mm dia pipe	Mtr	16.30
	h) 80 mm dia pipe	Mtr	19.50
	i) 100 mm dia pipe	Mtr	24.30
	j) 150 mm dia pipe	Mtr	35.00
13.	Repainting GI pipes and fitting with white paint of approve quality.		
	a) 15 mm dia pipe	Mtr	2.00
	b) 20 mm dia pipe	Mtr	2.50
	c) 25 mm dia pipe	Mtr	3.20
	d) 32 mm dia pipe	Mtr	3.90
	e) 40 mm dia pipe	Mtr	4.90
	f) 50 mm dia pipe	Mtr	5.90
	g) 65 mm dia pipe	Mtr	7.50
	h) 80 mm dia pipe	Mtr	9.00
	i) 100 mm dia pipe	Mtr	11.10
	j) 150 mm dia pipe	Mtr	15.90

## R - WATER SUPPLY

## WATER SUPPLY

Sl.No.	Description	Unit	Rate
14.	Painting GI pipes and fitting with two coats of anti corrosive bitumastic paint of approved quality.		
	a) 15 mm dia pipe	Mtr	2.30
	b) 20 mm dia pipe	Mtr	2.90
	c) 25 mm dia pipe	Mtr	3.60
	d) 32 mm dia pipe	Mtr	4.40
	e) 40 mm dia pipe	Mtr	5.40
	f) 50 mm dia pipe	Mtr	6.60
	g) 65 mm dia pipe	Mtr	8.40
	h) 80 mm dia pipe	Mtr	10.20
	i) 100 mm dia pipe	Mtr	12.60
	j) 150 mm dia pipe	Mtr	18.30
15.	Providing and filling sand all round GI pipes in external work.		
	a) 15 mm dia pipe	Mtr	38.50
	b) 20 mm dia pipe	Mtr	39.00
	c) 25 mm dia pipe	Mtr	40.10
	d) 32 mm dia pipe	Mtr	41.10
	e) 40 mm dia pipe	Mtr	41.60
	f) 50 mm dia pipe	Mtr	43.20
	g) 65 mm dia pipe	Mtr	68.20
	h) 80 mm dia pipe	Mtr	70.80
	i) 100 mm dia pipe	Mtr	75.40
	j) 150 mm dia pipe	Mtr	86.10

**S - SANITARY INSTALLATION      SANITARY INSTALLATION**

Sl.No.	Description	Unit	Rate
1.	Providing and fixing white vitreous china water closet squatting pan (Indian type WC pan) size 580 mm with 100 mm and sand cast iron P or S trap, 12.5 Litre high level CI flushing cistern (of approved make) with fittings RS or CI brackets, 32 mm dia galvanized steel telescopic flush pipe with fittings and clamps 20 mm GI over flow pipe with specials and mosquito proof coupling of approved municipal design and GI chain and pull complete including painting of cistern and fittings, cutting and making good the walls and floors where required.		
	a) Long Pan patten WC Pan	Each	5991.60
	b) Orissa Pattern WC Pan	Each	5129.00
2.	Providing and fixing white vitreous china type water closet pedestal (European type WC pan) with seat and lid CP brass hinges and rubber buffers, 12.5 Litres high level CI flushing cistern with fittings RS or CI brackets, galvanized steel telescopic flush pipe with fittings and clamps, 20 GI overflow pipe with specials and mosquito proof coupling of approved municipal design and GI chain and pull complete including painting of cistern and fittings, cutting making good the walls and floors where required.		
	a) WC pan with white plastic seat and lid.	Each	6777.50
3.	Providing and fixing white vitreous china pedestal type (European type WC pan) water closet with seat and lid with CP brass hinges and rubber buffers, 12.5 Litres white vitreous china low-level flushing cistern with fittings and brackets 40 mm white porcelain in enamel led flush band, 20 mm over flow pipe with specials and mosquito proof coupling of approved municipal design complete including cutting and making good the walls and floors where required.		
	a) WC pan with white plastic seat and lid.	Each	6250.20
4.	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x430x265 mm sizes respectively with CI automatic flushing cistern with fittings, RS or CI brackets standard size galvanized steel flush pipe and spreaders with brass unions and GI clamps complete including painting of cistern and fittings, cutting and making good the walls and floors where required.		
	a) One urinal basin with 5 Litres CI automatic flushing cistern	Each	2424.60
	b) Range of two urinals with 10 Litre CI automatic flushing cistern	Each	3677.40
	c) Range of three urinals with 12.5 Litre CI automatic flushing cistern	Each	4730.30
	d) Range of four urinals with 15 Litre CI automatic flushing cistern	Each	6030.80



**S - SANITARY INSTALLATION      SANITARY INSTALLATION**

Sl.No.	Description	Unit	Rate
5.	Providing and fixing white vitreous china wash basin with RS or CI brackets painted white 15 mm CP brass pillar taps and CP brass chain with rubber plug 32 mm CP brass waste of standard pattern, 32 mm dia CP brass trap and MI unions complete, including cutting and making good the walls where required.		
	a) Flat back wash basin size 550x400 mm with a pair of 15 mm CP brass pillar taps of heavy quality.	Each	2795.20
	b) Flat back wash basin size 550x400 mm with single 15 mm CP brass pillar taps of heavy quality.	Each	2460.90
6.	Plugging the hole of wash hand basin if a pillar tap is not to be provided.	Each	14.80
7.	Deduct for not providing 32 mm dia MI or CP brass trap.	Each	100.50
8.	Deduct for not providing 32 mm dia MI union.	Each	122.10
9.	Providing and fixing white vitreous china water closet squatting pan size 580 mm size.		
	a) Long pattern (Indian type) WC Pan	Each	1110.50
	b) Orissa type WC pan	Each	1422.90
10.	Providing and fixing white vitreous china pedestal type (European type) WC pan.	Each	2311.70
11.	Providing and fixing a pair of white vitreous china foot rest of standard pattern for squatting pan WC.		
	a) 250 x 130 x 30 mm	Pair	186.40
	b) 250 x 125 x 25 mm	Pair	186.40
12.	Providing and fixing 12.5 litres high level CI flushing cistern of approved make with integral fittings such as ball valve, bell, lever, GI chain and pull complete.	Each	1056.30
13.	Providing and fixing 5 litres CI automatic flushing cistern with fittings.	Each	741.10
14.	Providing and fixing polished teak wood or mahogany seat for pedestal type WC pan with CP brass hinges, buffers etc complete.		
	a) With lid	Each	116.30
	b) Without lid	Each	98.50

**S - SANITARY INSTALLATION      SANITARY INSTALLATION**

SI.No.	Description	Unit	Rate
15.	Providing and fixing plastic seat with lid for pedestal type WC pan with CP Brass hinges rubber buffers etc complete.		
	a) White plastic seat with lid	Each	589.60
	b) Black plastic seat with lid	Each	276.30
16.	Providing and fixing kitchen sink including making all connection excluding cost of fittings.		
	a) White glazed fire clay sink size 600x450x150 mm	Each	2092.10
17.	Providing and fixing Laboratory sink including making all connection excluding cost of fittings.		
	a) White vitreous china sink 600x400x200 mm	Each	3903.00
18.	Providing and fixing CP Brass Chain and rubber plug complete for sink or wash basins.	Each	150.80
19.	Providing and fixing rubber plug for sink or wash basin.	Each	59.30
20.	Providing and fixing CP brass waste for wash basins and sinks.		
	a) 32 mm dia	Each	103.20
	b) 40 mm dia	Each	143.40
21.	Providing and fixing MI fisher union for wash basin and sinks.		
	a) 32 mm dia	Each	33.50
	b) 40 mm dia	Each	33.50
22.	Providing and fixing CP Brass or MI trap for wash basin and sinks.		
	a) 32 mm dia	Each	111.20
	b) 40 mm dia	Each	143.40
23.	Providing and fixing 100 mm sand cast iron grating for gully, floors or nahni trap.	Each	75.50
24.	Providing and fixing in position 32 mm dia galvanized steel telescopic flush pipe complete including cutting and making good the walls and floors.	Each	403.50
25.	Providing and fixing in position 25 mm dia mosquito proof coupling of approved municipal design.	Each	847.00

**S - SANITARY INSTALLATION      SANITARY INSTALLATION**

Sl.No.	Description	Unit	Rate
<b>: TOILET REQUISITES :</b>			
26.	Providing and fixing 600x450 mm bevelled edge mirror or superior glass (of approved quality) complete with 6 mm thick asbestos sheet ground fixed to wooden cleadt with CP brass screws and washers.	Each	798.00
27.	Providing and fixing 600 x 120 mm glass shelf with CP brass brackets and guard rail complete, fixed to wooden cleadts with CP brass screws.	Each	1154.60
28.	Providing and fixing CP brass towel rail complete with CP brass brackets fixed to wooden cleadt with CP brass screws (heavy quality).		
	a) 750 x 20 mm size	Each	488.10
29.	Providing and fixing toilet paper holder.		
	a) CP Brass	Each	693.80
	b) Polished wooden	Each	538.70
30.	Providing best available local wood 50 x 50 x 50 mm wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand).	Each	9.20
31.	Providing and fixing sand cast iron/ cast iron (spun) soil, waste and vent pipes.		
	a) 100 mm dia	Mtr	456.00
	b) 75 mm dia	Mtr	419.60
	c) 50 mm dia	Mtr	410.10
32.	Providing and fixing sand cast iron heel rest sanitary bend.		
	a) 100 mm dia	Each	259.60
	b) 75 mm dia	Each	218.80
	c) 50 mm dia	Each	195.70
33.	Providing and fixing sand cast iron single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.		
	a) 100 x 100 x 100 mm	Each	467.10
	b) 80 x 80 x 80 mm	Each	393.00
	c) 50 x 50 x 50 mm	Each	308.70

**S - SANITARY INSTALLATION      SANITARY INSTALLATION**

SI.No.	Description	Unit	Rate
34.	Providing and fixing sand cast iron single equal plain junction of required degree.		
	a) 100 x 100 x 100 mm	Each	370.70
	b) 80 x 80 x 80 mm	Each	368.80
	c) 50 x 50 x 50 mm	Each	76.20
<b>: SAND CAST IRON TRAP :</b>			
35.	Providing and fixing sand cast iron trap of self cleadsing design with sand cast iron screwed down or hinged grating with or without vent arm complete including cost of cutting and making good the walls and floors.		
	a) 100 mm inlet and 100 mm outlet	Each	490.40
	b) 100 mm inlet and 75 mm outlet	Each	376.70
	c) 100 mm inlet and 50 mm outlet	Each	354.20
<b>: ASBESTOS CEMENT, SOIL, WASTE AND VENT PIPES AND FITTINGS :</b>			
36.	Providing and fixing on wall face asbestos cement soil, waste and vent pipes including jointing with spun yarn soaked in bitumen and cement mortar 1 : 2 (1 cement : 2 coarse sand) complete.		
	a) 100 mm dia	Mtr	399.10
	b) 80 mm dia	Mtr	367.10
	c) 50 mm dia	Mtr	358.60
37.	Cutting chase in brick masonry walls for fixing 100 mm dia sand cast iron pipes and making good the same with brick work in cement mortar 1 : 3 (1 cement : 3 fine sand).	Mtr	134.30
38.	Cutting chase in brick masonry walls for fixing 50 mm dia sand cast iron pipes and making good the same with brick work in cement mortar 1 : 3 (1 cement : 3 fine sand).	Mtr	62.20
<b>: PAINTING OF SANITARY FITTINGS :</b>			
39.	Painting CI cistern with bitumastic or any other anticorrosive paint inside and white paint over a coat of ready mixed primer (of approved quality) on the out side surface of the cistern, flush pipe other fittings etc complete for new work.	Each	236.00

## S - SANITARY INSTALLATION      SANITARY INSTALLATION

Sl.No.	Description	Unit	Rate
40.	Re-painting CI cistern with bitumastic or any other anticorrosive paint inside and white paint on the out side surface of the cistern, flush pipe other fittings etc complete including polishing of wooden seat and lid and cleadning of WC pan with acid wherever necessary.	Each	154.10
41.	Applying priming coat with ready mixed redoxide or zinc chromate paint of approved quality and manufacture on steel work.	Sqm	18.20
42.	Painting two or more coats (excluding priming coat)with ordinary ready mixed paint of approved brand and manufacture in all shades except white or green on new work to give an even shade.	Sqm	49.50
43.	Painting sand cast iron soil spun soil waste vent pipes and fittings with paint of any color such as chocolate, grey or buff etc over a coat of primer (of approved quality) for new work.		
	a) 50 mm dia pipe	Mtr	10.50
	b) 100 mm dia pipe	Mtr	20.20
44.	Re-painting sand cast iron soil, waste, vent pipes and fittings with paint of any colour such as chocolate, grey or buff etc.		
	a) 50 mm dia pipe	Mtr	5.50
	b) 100 mm dia pipe	Mtr	10.90
45.	Re-painting bath tubs 170 cm long with enamel paint.	Mtr	247.70