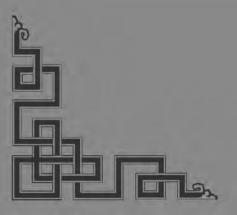


ব্যথাপুর বির্বাবালুর । প্রথার ব্যবাধার ROYAL GOVERNMENT OF BHUTAN MINISTRY OF WORKS AND HUMAN SETTLEMENT DEPARTMENT OF ENGINEERING SERVICES

"Construction Industry: Solutions through innovation and improved technology"

BHUTAN SCHEDULE OF RATES - 2021



CIVIL



FOREWORD

The Bhutan Schedule of Rates (Civil) - 2021 is the revised edition of Bhutan Schedule of Rates (Civil) - 2020. This document is a guiding document for projecting the cost of construction works. Great effort has been made by the Department of Engineering Services to incorporate as many items as possible that are being used in construction works. However, due to high diversity in the type and class of construction materials available in the market, only the most commonly used materials have been incorporated with their average market rates. An additional chapter for Occupational Health and Safety has been inserted in BSR-2021.

In this edition, rates for labour and materials have been revised. While the revision of labour rate is done as per the approval of the 80th session of the Third *Lhengve Zhungtshog*, the basic material rates are based on market price collected four base towns of Gelephu, Phuentsholing, Samdrup Jongkhar and Thimphu. These rates have been applied in conjunction with the coefficients from Labour and Materials Coefficients - 2021 to develop Built-up item rates. In addition, following constants have been added:

- a. A fixed 5% for hand tools & equipment on labour cost, lubrication & corrective maintenance on machinery cost and wastages & unaccounted on materials cost.
- b. A fixed 1 % for water charges (sanitation, mixing of mortar, drinking, curing, etc.)
- c. 10% for contractor's profit and overhead charges when rate analysis is carried out by the procuring agencies. For rate analysis submitted by contractors for the tendered work, it can vary up to a maximum of 10%.

Besides the constants mentioned above, no other additions shall be permitted in the preparation of project estimates.

All the items of work prescribed in BSR - 2021 should be read and understood in conjunction with Specifications for Building and Road Works - 2021.

The users are encouraged to send comments and suggestions to the Department for making positive reforms in the schedule. With developments in terms of material use, construction technology and engineering practices taking place at a fast pace, a more relevant schedule of rates can only be developed through a collective effort of the people involved in the construction industry.

(Karma Dupchuk)

Director

Department of Engineering Services Ministry of Works and Human Settlement

Thimphu

DISCLAIMER

The Bhutan Schedule of Rates-2021 is prepared and published primarily as a tool to assist in the estimation of project costs only, and the users are advised to refrain from using it for the purpose of *filling tenders*, evaluating tenders, awarding works and/or making contractual payments. This is owing to difficulty in obtaining comprehensive and accurate rates from base towns, and the associated complexity in their analysis besides market rates of items being dynamic in nature. Hence, BSR reflects only suggestive averages and not accurate current market rates.

The publisher shall not be accountable and responsible for any ambiguity, discrepancy, dispute or financial losses arising directly or indirectly as a result of individuals or agencies using the rates in the BSR-2021 for filling of their tenders, evaluating tenders, awarding works and/or making contractual payments.

PREFACE

- 1. Bhutan Schedule of Rates 2021 is the revised edition of Bhutan Schedule of Rates 2020.
- 2. The rates for all the built up items are for up to 10 Km radius and is inclusive of:
 - a) A fixed 5% for hand tools & equipment on labour cost, lubrication & corrective maintenance on machinery cost and wastages & unaccounted on materials cost.
 - b) A fixed 1% for water charges (sanitation, mixing of mortar, drinking, curing, etc.)
 - c) 10% for contractor's profit and overhead charges.
- 3. The built-up item rates are based on "Labour and Material Coefficients 2021" with the applicable percentages given above. The labour coefficients have been revised.
- 4. The schedule is designed primarily as a tool for estimation of construction projects only and not for payment to contractors or filling up tenders.
- This Schedule shall be read along with the "Specifications for Building and Road works 2021" and the "Labour and Materials Coefficients - 2021"
- 6. The following guidelines are provided:
 - a) Guideline for Cost Indices with sample calculation,
 - b) Guideline for Rate analysis, and
 - c) Guideline for Quick Cost
 - d) Guideline for Occupational Health and Safety Cost (OHS)
 - e) Guideline for Temporary Living Accommodation
- 7. Material Rates used in BSR-2021 were collected during the period November December 2020. Users are advised to update rates accordingly with the prevailing market rates.
- 8. BSR contains the commonly used items only, for the items not covered in the BSR, rates shall be analyzed and workout by the engineers as may be relevant
- 9. The Labour Rates used in BSR 2021 are revised based on Build Bhutan Project in view of the increased labour rate in the market.
- 10. The Following new items/changes are incorporated in BSR 2021:

Chapter 1: Basic Rates - The basic rates for labour is revised

Chapter 11: Wood Work -

- a) Blue pine and Champ are categorized as Class 'A', (Conifer)
- b) Mixed conifer is categorized as Class 'B', (Conifer)
- c) Teak/Sal wood is categorized as Class 'A', (Broad leaf)
- d) Hollock wood is categorized as Class 'B', (Broad leaf)
- Chapter 22: Occupational Health and Safety (OHS) This chapter has been inserted with two items OHS 001 and OHS 002.
- Section 4: Guideline for Cost Indices the weightage in 'Sample Calculations of Cost Indices' have been revised. The changes were made as the labour rates have been revised.

CONTENTS

SECTION 1 – BASIC RATES

Description	Page
Labour	1
Bitumen Products, Chemicals and Blasting Materials	2 - 3
Quarry and Forest Products	2
Bricks	4
Cement and Concrete Materials	4
Steel and Other Metals	4 - 6
Roofing Materials	6
Carpentry and Joinery Materials	6 - 8
Doors, Windows and Hardware	8 - 11
Tiles and Glass Materials	11
Plastering Materials	11
Paint and Wall Paper Materials	11 - 12
Drainage Materials	12 - 14
Plumbing (Pipe Work)	14 - 22
Plumbing (Sanitary Installations, Fittings and Accessories)	22 -25
Steel formwork	25
Upvc windows	25
Geotextile Materials	26
Interlocking Paver Blocks	26
Machinery and Plant Hire Charges	27
SECTION 2 – MECHANICAL TRANSPORTATION RATES	
Hill Roads	28
Plain Roads	29

SECTION 3 – BUILT UP RATES

Sl. No	Description	Page
1	Dismantling and Demolition	30 - 33
2	Clearing and Grubbing	34
3	Earthwork	35 - 38
4	Drainage	39 - 41
5	Mortars	42
6	Concrete Works	43 - 44
7	Damp Proofing	45
8	Reinforced Concrete	46 - 49
9	Brick Work	50 - 53
10	Stone/Mud	54 - 57
11	Wood Work	58 - 68
12	Steel	69 - 70
13	Flooring	71 - 74
14	Tiling – Wall and Floor	75
15	Roofing	76 - 79
16	Plumbing – Indoor Work	80 - 85
17	Plumbing – Outdoor Work	86 - 95
18	Plastering	96 - 98
19	Painting and Wall Paper	99 - 101
20	Additions, Alterations and Repairs	102
21	Road Works	103 - 113
22	Occupational Health and Safety	114
Section 4	– GUIDELINES FOR COST INDICES	115 - 123
Section 5	 GUIDELINE FOR RATE ANALYSIS 	124 - 125
Section 6	– GUIDELINE FOR QUICK COST	126 - 129
Section 7	 GUIDELINES FOR OCCUPATIONAL HEALTH AND SAFETY 	130 - 133
Section 8	- GUIDELINE FOR TEMPORARY LIVING ACCMMODATION	134 - 145

SECTION – 1

Basic Rates of Materials, Labour and Hire Charges of Plants and Equipments

Code	Description	Units	PL	GP	SJ	Th
Chapter 1	: BASIC RATES - LABOUR					
Bhutanese	e National Labour					
Catagam	1					
Category						
LB0020	Auto-Mechanic Gd. 1	day	632.50	632.50	632.50	632.50
LB0021 LB0022	Carpenter Gd. 1 General Mechanic Gd. 1	day	632.50 632.50	632.50 632.50	632.50 632.50	632.50 632.50
LB0022 LB0023	Lharib	day day	632.50	632.50	632.50	632.50
LB0023	Lineman Gd.1	day	632.50	632.50	632.50	632.50
LB0025	Plant Operator Gd. 1	day	632.50	632.50	632.50	632.50
		J				
Category	2					
LB0030	Auto-Electrician Gd.1	day	632.50	632.50	632.50	632.50
LB0031	Auto-Mechanic Gd.2	day	632.50	632.50	632.50	632.50
LB0032	Blacksmith (metal-worker)	day	632.50	632.50	632.50	632.50
LB0033	Carpenter Gd.2	day	632.50	632.50	632.50	632.50
LB0034	General Mechanic Gd.2	day	632.50	632.50	632.50	632.50
LB0035	Lineman Gd.2 Mason Gd.1	day	632.50	632.50	632.50 632.50	632.50 632.50
LB0036 LB0037	Plant Operator Gd.2	day day	632.50 632.50	632.50 632.50	632.50	632.50
LB0037	Plumber Gd. 1	day	632.50	632.50	632.50	632.50
LB0038	Work Supervisor (Lajab)	day	632.50	632.50	632.50	632.50
LD0037	work Supervisor (Lajao)	day	032.30	032.30	032.30	032.30
Category	3					
LB0045	Auto-Electrician Gd.2	day	575.00	575.00	575.00	575.00
LB0046	Auto-Mechanic Gd.3	day	575.00	575.00	575.00	575.00
LB0047	Blaster	day	575.00	575.00	575.00	575.00
LB0048	Carpenter Gd.3	day	575.00	575.00	575.00	575.00
LB0049	General Mechanic Gd.3	day	575.00	575.00	575.00	575.00
LB0050	Lineman Gd.3	day	575.00	575.00	575.00	575.00
LB0051	Mason Gd.2	day	575.00	575.00	575.00	575.00
LB0052	Painter Gd. 1	day	575.00	575.00	575.00	575.00
LB0053	Plant Operator Gd.3	day	575.00	575.00	575.00	575.00
LB0054	Plumber Gd.2	day	575.00	575.00	575.00	575.00
LB0055	Sawyer Gd. 1	day	575.00	575.00	575.00	575.00
LB0056	Wireman Gd. 1	day	575.00	575.00	575.00	575.00
Category	4					
LB0065	Cleaner	day	518.00	518.00	518.00	518.00
LB0066	Machine Operator	day	518.00	518.00	518.00	518.00
LB0067	Painter Gd.2	day	518.00	518.00	518.00	518.00
LB0068	Sawyer Gd.2	day	518.00	518.00	518.00	518.00
LB0069	Wireman Gd.2	day	518.00	518.00	518.00	518.00
Category	5					
LB0075	Labourer (Male)	day	460.00	460.00	460.00	460.00
LB0076	Labourer (Female)	day	460.00	460.00	460.00	460.00
LB0077	Labour	day	460.00	460.00	460.00	460.00
-DOO//	Luovui	aay	100.00	100.00	100.00	T00.00

Bitumen MT0001 Bi MT0002 Bi Bitumen felt 7 MT0005 Gr MT0006 Gr Sealing Comp MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	pounds Iot sealing compound Grade A Bitumen Solution primer Iler re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 requivalent) materials	tonne tonne sq.m sq.m lkg litre	35842.00 33700.00 252.63 179.22 40.74 51.36	35842.00 33700.00 252.63 179.22 40.74 51.36	35842.00 33700.00 215.93 129.56 40.74 51.36	45493.92 43351.92 262.78 185.05 40.74 51.36
MT0001 Bi MT0002 Bi Bitumen felt 7 MT0005 Gr MT0006 Gr Sealing Comp MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	Situmen 80\100 Situmen Emulsion Type 3 Grade 1 Grade 2 pounds Not sealing compound Grade A Situmen Solution primer Iler Tre-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 or equivalent) materials	sq.m sq.m kg litre	33700.00 252.63 179.22 40.74 51.36	33700.00 252.63 179.22 40.74 51.36	33700.00 215.93 129.56 40.74 51.36	43351.92 262.78 185.05 40.74 51.36
MT0002 Bi Bitumen felt 7 MT0005 Gr MT0006 Gr Sealing Comp MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	Type 3 Grade 1 Grade 2 pounds Iot sealing compound Grade A Situmen Solution primer Iler Tre-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 or equivalent) materials	sq.m sq.m kg litre	33700.00 252.63 179.22 40.74 51.36	33700.00 252.63 179.22 40.74 51.36	33700.00 215.93 129.56 40.74 51.36	43351.92 262.78 185.05 40.74 51.36
Bitumen felt 7 MT0005 Gr MT0006 Gr Sealing Comp MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	Type 3 Grade 1 Grade 2 pounds Lot sealing compound Grade A Situmen Solution primer Ler re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 requivalent) materials	sq.m sq.m kg litre	252.63 179.22 40.74 51.36	252.63 179.22 40.74 51.36	215.93 129.56 40.74 51.36	262.78 185.05 40.74 51.36
MT0005 Gr MT0006 Gr Sealing Comp MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	pounds Iot sealing compound Grade A Bitumen Solution primer Iler re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 requivalent) materials	kg litre	179.22 40.74 51.36	179.22 40.74 51.36	129.56 40.74 51.36	40.7 ² 51.36
MT0006 Gr Sealing Comp MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	pounds Iot sealing compound Grade A Situmen Solution primer I e r re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 r equivalent) materials	kg litre	179.22 40.74 51.36	179.22 40.74 51.36	129.56 40.74 51.36	40.74 51.30
Sealing Comp MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting	pounds Ito sealing compound Grade A Situmen Solution primer I e r re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 r equivalent) materials	kg litre	40.74 51.36	40.74 51.36	40.74 51.36	40.7
MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	Iot sealing compound Grade A Situmen Solution primer I e r re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 r equivalent) materials	litre sq.m	51.36	51.36	51.36	51.3
MT0010 Ho MT0011 Bi Joint-fill Pr MT0015 or Blasting MT0020 Su	Iot sealing compound Grade A Situmen Solution primer I e r re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 r equivalent) materials	litre sq.m	51.36	51.36	51.36	51.3
Pr MT0015 or Blasting	re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 r equivalent) materials	sq.m				
Pr MT0015 or Blasting MT0020 Su	re-moulded bitumen impregnated fibre board, 12mm thick (IS: 1838 r equivalent) materials		571.18	571.18	571.18	585.2
MT0015 or Blasting MT0020 Su	r equivalent) materials		571.18	571.18	571.18	585.23
Blasting MT0020 Su	materials		571.18	571.18	571.18	585.2
MT0020 Su						
	1 / 0 1 .:					
1. rmoog 1	uper dyne / Gelatine	kg	78.40	78.40	78.40	78.8
MT0021 Fu	use Coil	each	69.16	69.16	69.16	70.1
	Detonator	each	5.84	5.84	5.84	5.8
	Prill rod - 8' - 0"	each	5709.50	5709.50	5709.50	5709.5
	ilent Blaster	kg	335.13	337.47	342.76	340.8
	Orill rod - 5' - 0" Orill rod - 3' - 0"	each each	4045.00 2947.00	4045.00 2947.00	3842.75 3408.13	4114.2 3515.0
C h e m i c a l		00.1	23 17100	25 17100	2100112	221210
MT0030 Al	Aldrin Emulsifiable Concentrate 30% (for anti-termite treatment)	litre	284.58	304.98	305.00	308.8
Fuels						
MT0035 Ke	erosene	litre	37.50	37.00	36.50	39.5
MT0036 Di	Diesel	litre	53.35	51.00	51.59	55.1
MT0037 Pe	etrol	litre	56.69	53.52	54.11	58.6
BASIC RA	ATES - QUARRY & FOREST PRODUCTS					
	irewood (stacked volume)	cu.m	699.97	650.00	735.00	775.0
	loyalty for earth, mud, boulder, sand & gravel	truck	50.00	50.00	50.00	50.0
	flud dry	cu.m	85.70	84.85	85.00	85.0
	and	cu.m	473.33	383.08	462.39	1124.1
	lay/husk	kg bundle	67.88	67.55	68.90	68.9
	traw, girth <100mm Cuttings	bundle each	12.34 0.13	13.10 0.13	13.36 0.13	13.2 0.1
	eedlings	each each	6.12	6.50	6.57	6.6
	irass Slips	each	0.12	0.09	0.09	0.0
	latural Grass Turf	Sq.m	33.32	33.67	34.34	34.3

Code		Description	<i>Б</i> ишин	Units	PL	GP	S/J	TH
Stone								
MT0060	Boulder			cu.m	861.81	950.00	880.00	1049.85
MT0061	Dolep (flat stone)			Sq.m	1291.20	1291.20	1291.20	1291.20
Crushed l	Rock							
MT0064	100mm			cu.m	910.86	829.21	873.63	935.85
MT0065	75mm			cu.m	910.86	829.21	914.72	935.85
MT0066	63mm			cu.m	910.86	829.21	928.20	935.85
MT0067	50mm			cu.m	910.86	829.21	948.60	935.85
MT0068	40mm			cu.m	872.91	635.76	841.87	1121.75
MT0069	25mm			cu.m	981.94	898.95	1039.78	1199.85
MT0070 MT0071	20mm 12.5 - 6mm			cu.m cu.m	967.20 963.02	853.78 821.19	1011.84 979.52	1199.85 1166.13
Gravel/Sh					905.02	021117	373.02	1100110
MT0080	40mm to 20mm			cu.m	428.40	438.60	466.10	461.04
MT0081	20mm to 10mm			cu.m	551.57	548.76	559.74	552.84
Marbl	e Items							
Marble C	hips 6mm							
MT0085	Black or White			tonne	6493.33	7708.33	7175.00	7984.84
MT0086	Coloured			tonne	6493.33	6666.67	6133.33	7600.00
Marble S	lab 20mm							
MT0090	Black			sq.m	1057.80	995.96	1097.50	1338.37
MT0091	White			sq.m	1131.85	960.44	936.10	1233.64
MT0092	Black and White			sq.m	1030.14	1004.90	936.10	1370.38
MT0093	Coloured			sq.m	1310.74	1048.22	1147.50	1497.56
Marble Sl	lab 40mm							
MT0100	Black			sq.m	1536.96	1500.76	1357.78	1939.44
MT0101	White			sq.m	1629.24	1500.76	1031.91	1936.88
MT0102	Black and White			sq.m	1683.55	1541.33	1031.91	2067.76
MT0103	Coloured			sq.m	1917.59	1725.93	1357.78	2340.32
Kota Stor	ne Slab							
MT0110	20mm			sq.m	1062.50	982.43	656.18	1158.36
MT0111	40mm			sq.m	1887.66	1859.74	757.13	2136.61
Granite s	tone slab							
MT0114	Granite slab-18mm			sq.m	1452.60	1452.60	1200.00	1614.00
MT0115	Granite slab-20mm			sq.m	1506.40	1542.27	1592.48	1936.80
Lime								
MT0120	Slaked lime			kg	22.75	27.54	34.33	35.33
MT0121	Unslaked lime			kg	24.25	35.17	17.00	34.17
Otherr								
Others MT0122	Sealed Bag			each	99.65	101.44	101.44	102.44
	-							- 32

Description

Units

PL

GP

TH

S/J

Code

Code	Description	Units	FL	Gr	3/3	111
BASIC I	RATES - BRICK					
	materials					
		1000"	044447	2000 00	0500.00	1.41.66.65
MT0125	Bricks 2nd class	1000#	9666.67	9000.00	9500.00	14166.67
MT0126	Brick aggregate Graded brick aggregate	cu.m	2051.60 2091.32	1989.00 2049.08	2080.80 1970.17	2305.20 2440.37
MT0127 MT0128	Interlocking cement earth block	cu.m 1000#	23723.25	23723.25	23723.25	23445.64
MT0128	Interlocking cement earth block	1000#	14738.70	14637.75	14637.75	14526.7
MT0130	Concrete block bricks - Hollow Block	1000#	41053.00	41053.00	41053.00	47446.50
MT0131	Concrete block bricks - Solid Brick	1000#	7823.63	9640.73	10529.09	12265.4
MT0132	Concrete block bricks - Porous brick	1000#	10006.67	9472.48	9754.29	11760.6
MT0133	Concrete block bricks - Partition Hollow Brick	1000#	35332.50	33650.00	36342.00	36342.00
AAC BL	ОСК					
MT0140	Autoclaved aerated cement (AAC) blocks	Cu.m	4000.00	4950.00	6100.00	6500.00
BASIC I	RATES - CEMENT & CONCRETE MTERIALS					
Cement	İ					
MT0145	Cement (OPC/PSC)	tonne	6627.50	6874.80	7200.00	8147.50
MT0146	White Cement	tonne	33333.33	33091.98	35000.00	34000.00
Additiv	ves & Ad-mixtures					
MT0150	Red Oxide Pigment\other pigments	kg	167.00	173.40	105.00	180.00
MT0151	Water proofing compound	kg	110.60	102.67	150.00	140.00
MT0152	Floor Hardener (metallic)	kg	77.49	63.04	62.42	102.90
MT0153	Polymer modified adhesive mortar	kg	14.50	14.50	14.50	14.50
Underl	ay for Slabs					
Plastic She	eet					
MT0155	50 micro-metre	sq.m	1.53	1.80	1.27	2.78
MT0156	100 micro-metre	sq.m	3.28	4.16	3.24	5.32
MT0157	200 micro-metre	sq.m	10.64	11.01	8.33	12.03
BASIC R	ATES - STEEL & OTHER METAL MATERIALS					
Alumin	ium Materials					
MT0160	Aluminium Fluted Strips 3.15mm thick 150mm wide	m	383.51	375.99	372.55	412.17
MT0161	Aluminium Strip 40x1.6mm	m	104.10	112.26	104.10	140.77
Anodised A	Aluminium Section for doors, windows					
	Sliding, open able and pivoted windows	kg	417.35	415.80	388.99	420.47
MT0165		kg	417.35	415.80	388.99	420.47
MT0166	Sliding and openable doors			415.00		100 11
MT0166 MT0167	Partitions framing	kg	417.35	415.80	388.99	
MT0166				415.80 415.80		
MT0166 MT0167 MT0168	Partitions framing	kg	417.35		388.99	
MT0166 MT0167 MT0168	Partitions framing False ceiling framing	kg	417.35		388.99	420.47 420.47 154.02 129.93

Code	Description	Units	PL	GP	S/J	ТН
Coue	Description	Units	TL	Gr	3/3	111
Steel	Materials					
MT0181	Channels	kg	59.00	68.09	59.00	91.67
MT0182	Flats	kg	49.63	70.18	59.75	87.50
MT0183	Joists	kg	53.50	69.34	55.00	82.50
MT0184	Plates	kg	57.38	74.34	63.50	86.67
Sheet (250) MPa)					
MT0190	1mm	kg	94.79	78.49	69.51	123.75
MT0191	2mm	kg	89.52	78.49	69.51	123.75
MT0192	2.8mm	kg	86.36	78.49	69.51	123.75
MT0193	3.5mm	kg	78.99	78.49	69.51	123.75
Mild steel	Strips					
MT0194	1830mm X 230mm X 3mm	kg	82.15	75.24	74.25	84.08
Welded T	ube (250 MPa)					
MT0200	50mm dia	m	287.52	277.22	168.88	297.53
MT0201	40mm dia	m	188.52	191.76	123.60	215.91
Reinforci	ng Bars & Mesh					
	Thermo - Mechanically Treated (TMT) bars (yield strength 500					
MT0208	MPa)	kg	51.29	47.92	46.00	61.09
Welded M	lesh					
MT0215	75mmx25mm	sq.m	229.60	220.77	300.00	264.77
MT0216	Expanded Metal (19mm x 3mm x 16 gauge)	sq.m	261.38	246.21	300.00	253.51
Fasteners						
MT0220	M.S. Rivets	kg	95.09	78.56	90.00	139.65
MT0221	M.S. Bolts & Nuts, Screws etc	kg	121.82	120.76	110.00	129.89
Fencin	g Wire Products					
MT0225	Barbed Wire	m	15.33	16.44	14.74	16.72
G.I doubl	e knotted mesh					
MT0230	100 x 100 x 8-gauge	sq.m	230.11	292.74	368.62	342.29
MT0231	100 x 100 x 12-gauge	sq.m	228.66	240.47	294.90	282.61
MT0232	150 x 150 x 8-gauge	sq.m	214.32	194.71	368.62	289.63
MT0233	150 x 150 x 12-gauge	sq.m	186.12	173.23	294.90	272.08
G.I chain-	-link mesh					
MT0240	100 x 100 x 8-gauge	sq.m	200.11	241.07	368.62	298.37
MT0241	100 x 100 x 12-gauge	sq.m	126.38	201.06	294.90	261.51
MT0242	75 x 75 x 8-gauge	sq.m	214.36	260.03	368.62	311.54
MT0243	75 x 75 x 12-gauge	sq.m	177.73	214.28	294.90	272.04
MT0244	50 x 50 x 8-gauge	sq.m	310.69	352.84	716.18	353.66
MT0245	50 x 50 x 12-gauge	sq.m	205.37	286.86	631.92	295.74
Galvar	nised Iron					
Wires						
MT0256	GI wires (assorted diameters)	kg	89.00	115.85	77.94	131.65

Code	Description	Units	PL	GP	S/J	ТН
	steel railings					
Stainless	steer rannings					
MT0259	Stainless steel (grade 304) Hollow section round/square tubes	kg	398.43	394.94	391.44	415.91
MT0260	Stainless steel bolts/square bar and plates	kg	335.52	335.52	335.52	408.92
BASIC F	RATES - ROOFING MATERIALS					
MT0275	Corrugated Galvanised Iron Sheets 24G (0.63mm)	tonne	71667.43	71302.49	73885.41	77445.47
MT0278	Pre Painted Steel Corrugated Roofing Sheets 25g(.50mm)	tonne	110192.84	101928.37	110192.84	116641.78
Fibreg	lass					
MT0280	Reinforced polyester transparent sheets - 1.2mm, corrugated	sq.m	448.33	431.52	481.96	625.56
	g Slate					
MT0285	600mm x 300mm	each	27.97	28.51	27.69	33.62
Concre	ete Roofing Tiles					
	tile / Roman II 500mm x 250mm concrete tiles					
MT0290	6mm	each	14.66	14.26	13.98	14.28
MT0291	8mm	each	16.85	16.85	16.52	17.34
MT0292	10mm	each	17.50	17.50	17.17	18.16
	Pantile / Roman II 500mm x 250mm concrete tiles					
MT0295	6mm	each	17.80	18.15	17.80	19.80
MT0296	8mm	each	18.44	18.80	18.44	20.31
MT0297	10mm	each	19.44	19.44	19.06	20.40
Super Ro						
MT0300	Plain	each	33.05	33.69	33.05	35.19
MT0301	Coloured	each	36.86	37.58	36.86	39.27
Semi-shee	t 600mm x 600mm x 8mm concrete tiles					
MT0305	Plain	each	600.33	780.00	780.00	850.00
MT0306	Coloured	each	720.00	890.00	850.00	965.00
Steel Shee	et - Hip/Ridge, 600mm					
MT0310	Plain 1.8m long 24g	each	386.50	465.00	460.00	493.75
MT0311	Coloured 1.8m long 25g	each	956.67	1050.00	806.67	1125.00
Shingl	ep roofing					
MT0315	1500mm (approx.)	pair	53.00	53.55	52.53	52.53
	ud Plastic Sheet					
MT0320	Red mud plastic corrugated sheet, 1.5mm	sq.m	337.00	352.49	345.77	348.84
MT0321	Red mud plastic plain sheet, 1.3mm thk. (hip/ridge)	m	286.00	259.18	254.25	267.24
BASIC R	ATES - CARPENTRY & JOINERY MATERIALS					
Timbe	r					
MT0325	Ballies 75 to 125mm dia	m	30.43	29.80	31.68	33.66
MT0326	Ballies 250 to 300mm dia	m	42.79	42.77	42.19	46.92
MT0327	Ballies 125 to 250mm dia	m	47.92	49.25	47.92	55.85

Code	Description	Units	PL	GP	S/J	TH
Rough-sa	wn timber (urban rate)					
MT0330	Class 'B', (conifer)	cu.m	12973.87	13829.41	14651.10	13498.83
MT0331	Class 'A', (conifer)	cu.m	13361.95	14217.49	15039.15	13886.92
MT0332	Class 'A', (Broad Leaf)	cu.m	12430.20	12078.11	12491.24	12063.29
MT0333	Class 'B', (Broad Leaf)	cu.m	11977.21	11625.47	12038.59	11610.30
Plywood						
MT0340	4mm, commercial ply	sq.m	156.06	112.64	151.50	182.06
MT0341	4mm, teak ply	sq.m	252.19	204.86	181.50	264.79
MT0342	6mm, commercial ply	sq.m	205.20	161.06	213.50	267.37
MT0343	12mm, commercial ply	sq.m	416.27	365.98	418.00	499.65
Gypsum V	Wallboard					
MT0345	10mm	sq.m	193.44	220.83	192.11	270.94
MT0346	12mm	sq.m	257.00	260.61	211.50	320.65
MT0347	15mm	sq.m	244.73	258.10	242.34	433.61
	onded Particle board, Pre-laminated (both sides)					
MT0350	6mm	sq.m	544.25	542.16	545.31	551.80
MT0351	8mm	sq.m	576.35	576.05	579.39	587.40
MT0352	10mm	sq.m	663.25	654.91	658.71	676.40
MT0353	12mm	sq.m	716.52	715.40	719.56	822.36
MT0354	16mm	sq.m	870.29	872.49	877.56	1134.20
MT0355	20mm	sq.m	1084.30	1082.64	1088.93	1481.35
MT0356	25mm	sq.m	1189.32	1148.44	1155.12	1900.33
MT0357	30mm	sq.m	1485.66	1475.36	1483.94	2304.32
Plain Par	ticle Board					
MT0365	6mm	sq.m	334.00	475.00	410.35	429.51
MT0366	10mm	sq.m	449.00	450.00	519.78	631.56
MT0367	12mm	sq.m	433.33	615.00	657.50	788.08
MT0368	18mm	sq.m	649.82	810.00	884.87	965.04
MT0369	25mm	sq.m	935.80	1000.00	1100.19	1212.37
MT0370	35mm	sq.m	1203.74	1250.00	1322.18	1491.24
Pre-lamin	nated Particle Board (one side)					
MT0375	8mm	sq.m	578.81	400.98	415.00	606.31
MT0376	10mm	sq.m	638.01	564.15	490.00	807.48
MT0377	12mm	sq.m	749.80	555.51	550.00	676.72
MT0378	18mm	sq.m	1008.13	824.65	650.00	884.34
Skylight p	panel					
MT0385	Translucent diffuser panel, for skylights etc	sq.m	730.63	743.89	756.43	884.34
Cane	Products					
Bamboo						
MT0390	25mm dia	m	15.50	16.00	13.92	20.00
MT0391	75mm dia	m	17.50	18.00	18.21	30.00
MT0392	Mat	sq.m	74.97	77.01	96.39	96.90
MT0393	cane basket	each	297.21	289.17	289.17	310.00
Prefab.	Pannelling					
Flooring						
MT0395	25mm, Class 'B' (conifer)	sq.m	531.84	447.57	451.96	440.94
MT0396	38mm, Class 'B' (conifer)	sq.m	695.92	639.38	645.66	629.92

Code	Description	Units	PL	GP	S/J	TH
Wall	11:					
Wall pane	-		720 (7	725 50	725 50	704.45
MT0400 MT0401	19mm, Class 'A' (conifer) 15mm, Class 'A' (conifer)	sq.m	739.67 652.13	725.58 639.71	725.58 639.71	621.08
MT0401 MT0402	12mm, Class 'A' (conifer)	sq.m sq.m	601.07	589.62	589.62	572.45
MT0402	19mm, Class 'B' (conifer)	sq.m	646.81	634.49	634.49	616.00
MT0404	12mm, Class 'B' (conifer)	sq.m	586.27	588.48	588.48	571.34
MT0405	12mm, Class 'A' (conifer)	sq.m	692.08	678.89	678.89	659.12
Wire (G a u z e					
	Galv. mild steel wire gauze, 85G (0.85mm average width of aperture),					
MT0410	0.56mm dia.	sq.m	214.20	220.63	214.71	234.60
BASIC R	ATES - DOORS, WINDOWS & HARDWARE					
Prefab.	Timber Doors & Boards					
	r, block board core, commercial ply veneer, U\F bonded					
MT0415	25mm	sq.m	1029.00	1155.66	750.00	1109.69
MT0416	30mm	sq.m	1228.00	1313.98	1150.00	1208.13
MT0417	35mm	sq.m	1364.50	1531.36	2000.00	1408.75
MT0418	40mm	sq.m	1510.70	1582.47	1607.42	1606.50
	r, block board core, teak ply veneer, U\F bonded					
MT0425	25mm	sq.m	1484.54	1469.05	1477.06	1576.80
MT0426	30mm	sq.m	1676.60	1685.77	1696.73	1745.60
MT0427	35mm	sq.m	1867.30	1876.71	1889.84	1876.30
MT0428	40mm	sq.m	2268.40	2255.39	2273.77	2268.40
	r, block board core, ply veneer, chemically treated					
MT0435	25mm	sq.m	1214.00	1245.80	1279.77	1241.00
MT0436	30mm	sq.m	1407.00	1461.92	1501.78	1482.00
MT0437	35mm	ca m	1549.00	1716.16	1762.06	1605 00
		sq.m			1762.96	
MT0438	40mm	sq.m	1679.00	1970.41	2024.14	
MT0438 Panelled I	40mm Door, with single lock rail	-	1679.00	1970.41	2024.14	1984.45
MT0438 Panelled I MT0445	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel	sq.m	1679.00 1574.53	1970.41 1544.54	2024.14 1544.54	1984.45 1573.94
MT0438 Panelled I MT0445 MT0446	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel	sq.m sq.m sq.m	1679.00 1574.53 1593.97	1970.41 1544.54 1563.61	2024.14 1544.54 1563.61	1984.45 1573.94 1593.37
MT0438 Panelled I MT0445 MT0446 MT0447	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel	sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93	1970.41 1544.54 1563.61 1576.32	2024.14 1544.54 1563.61 1576.32	1984.45 1573.94 1593.37 1606.33
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel	sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37	1970.41 1544.54 1563.61 1576.32 1131.39	2024.14 1544.54 1563.61 1576.32 1131.39	1984.45 1573.94 1593.37 1606.33 1152.93
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel	sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452	Joor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22	1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451	40mm Door, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 35mm, 9mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34
Panelled I MT0445 MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0465	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 00or, with single lock rail & stile 30mm, 12mm veneered particle board panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34
Panelled I MT0445 MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0465 MT0465	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 9mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34
Panelled I MT0445 MT0446 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0465 MT0466 MT0466	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 35mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 9mm plywood panel 40mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76 1644.47 1649.71 1652.32	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0465 MT0466 MT0467 MT0468	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 9mm plywood panel 40mm, 9mm plywood panel 40mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm veneered particle board panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76 1644.47 1649.71 1652.32 1220.60	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34 1628.35 1633.53 1636.12 1208.63
Panelled I MT0445 MT0446 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0465 MT0466 MT0466 MT0467 MT0468 MT0468 MT0469	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 30mm, 12mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76 1644.47 1649.71 1652.32 1220.60 1223.21	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34 1628.35 1633.53 1636.12 1208.63 1211.22
Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0466 MT0466 MT0466 MT0467 MT0468 MT0469 MT0470	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 9mm plywood panel 40mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 35mm, 12mm plywood panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76 1644.47 1649.71 1652.32 1220.60 1223.21 1228.45	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60 1193.69	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60 1193.69	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34 1628.35 1633.53 1636.12 1208.63 1211.22 1216.41
MT0438 Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0465 MT0466 MT0466 MT0467 MT0468 MT0469 MT0470 MT0471	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm plywood panel 35mm, 12mm plywood panel 35mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 9mm plywood panel 40mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 30mm, 12mm plywood panel 30mm, 12mm plywood panel 30mm, 12mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76 1644.47 1649.71 1652.32 1220.60 1223.21 1228.45 1176.12	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60 1193.69 1142.83	1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60 1193.69 1142.83	1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34 1628.35 1633.53 1636.12 1208.63 1211.22 1216.41 1164.59
Panelled I MT0445 MT0446 MT0447 MT0448 MT0449 MT0450 MT0451 MT0452 MT0453 Panelled I MT0466 MT0466 MT0466 MT0467 MT0468 MT0469 MT0470	Ooor, with single lock rail 30mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 40mm, 12mm veneered particle board panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel 35mm, 12mm plywood panel 40mm, 12mm plywood panel 30mm, 9mm plywood panel 35mm, 9mm plywood panel 40mm, 9mm plywood panel 40mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 35mm, 12mm veneered particle board panel 35mm, 12mm plywood panel 30mm, 12mm plywood panel 35mm, 12mm plywood panel	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	1679.00 1574.53 1593.97 1606.93 1153.37 1167.61 1251.85 1131.33 1142.99 1150.76 1644.47 1649.71 1652.32 1220.60 1223.21 1228.45	1970.41 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60 1193.69	2024.14 1544.54 1563.61 1576.32 1131.39 1145.38 1228.01 1109.78 1121.22 1128.84 1597.93 1603.01 1605.56 1186.06 1188.60 1193.69	1605.00 1984.45 1573.94 1593.37 1606.33 1152.93 1167.18 1251.38 1130.91 1142.57 1150.34 1628.35 1633.53 1636.12 1208.63 1211.22 1216.41 1164.59 1169.77 1176.25

Bhuian Scheaule of Rates - 2020						
Code	Description	Units	PL	GP	S/J	TH
D	Da					
	Door, with double lock rail & stile		1677.82	1615 10	1/15 10	1645.84
MT0485	30mm, 12mm veneered particle board panel	sq.m	1677.82	1615.10	1615.10	
MT0486	35mm, 12mm veneered particle board panel	sq.m	1714.13	1650.05	1650.05	1681.46 1685.35
MT0487	40mm, 12mm veneered particle board panel	sq.m		1653.87	1653.87	
MT0488	30mm, 12mm plywood panel	sq.m	1249.62	1202.91	1202.91	1225.80
MT0489	35mm, 12mm plywood panel	sq.m	1252.26	1205.45	1205.45	1228.40
MT0490	40mm, 12mm plywood panel	sq.m	1259.84	1212.75	1212.75	1235.84
MT0491 MT0492	30mm, 9mm plywood panel	sq.m	1202.08	1157.14	1157.14	1179.17
	35mm, 9mm plywood panel	sq.m	1210.01	1164.77	1164.77	1186.94
MT0493	40mm, 9mm plywood panel	sq.m	1220.56	1174.94	1174.94	1197.31
Prefab. fu	ally glazed window shutters, incl. 75mm rail with preservative & on	e				
	at, excluding glass					
MT0505	30mm	sq.m	620.74	608.92	608.92	744.60
MT0506	35mm	sq.m	682.30	619.09	619.09	619.09
MT0507	40mm	sq.m	636.30	624.17	624.17	624.17
W110307	40Hilli	sq.m	030.30	024.17	024.17	024.17
Steel	Doors and Windows					
MT0510	Steel door with necessary hinges, lugs, glazing clips	sq.m	1224.63	1201.31	1201.31	1172.38
MT0511	Steel windows (fixed) with lugs and glazing clips	sq.m	388.77	381.37	381.37	372.19
MT0512	Steel windows (side hung) with hinges, lugs and glazing clips	sq.m	673.87	661.04	661.04	645.12
	Steel ventilators (top hung) with hinges, lugs and glazing clips.			661.04	661.04	645.12
MT0513		sq.m	673.87			
MT0514	Steel ventilators (centre hung) with pivots, lugs and glazing clips	sq.m	842.35	826.30	826.30	826.30
MT0515	Rolling shutters with all accessories, excluding top cover	sq.m	1145.58	1123.76	1123.76	1123.76
MT0516	Top cover for Rolling shutter	m	479.86	457.64	457.64	457.64
Alumii						
Anodised	Aluminium Fittings: Butt Hinges					
MT0530	100mm	each	25.00	44.52	49.82	45.00
MT0531	75mm	each	18.00	37.78	32.69	35.00
MT0532	50mm	each	10.00	28.06	22.23	20.00
Anodised	Aluminium Fittings: Handles					
MT0540	150mm	each	26.60	50.40	27.50	51.25
MT0541	125mm	each	52.69	45.35	22.50	40.00
MT0542	100mm	each	43.67	35.80	20.00	34.00
MT0543	75mm	each	30.66	26.89	17.50	28.25
Anodised	Aluminium Fittings: Hooks and Eyes					
MT0550	300mm	each	49.50	65.19	51.55	82.50
MT0551	200mm	each	35.20	49.90	39.91	45.00
MT0551	150mm	each	23.73	35.59	29.76	33.40
MT0553	100mm	each	18.90	26.71	22.75	23.00
A 31 . 3	Aluminium Pittings Vielings Diet					
Anodised MT0560	Aluminium Fittings: Kicking Plate 4mm thick	sq.m	350.00	423.30	512.55	515.00
	Alaminian Figure City of December 1	•				
	Aluminium Fittings: Sliding Door Bolts 300mm	ocah	212.00	201.22	172 07	265.00
MT0565	250mm	each	212.00	201.33	173.97	265.00
MT0566		each	185.67 162.50	161.20	147.84	222.00 180.00
MT0567	200mm	each	162.50	124.27	139.48	180.00

Code	Description Description	Units	PL	GP	S/J	TH
Anodised	Aluminium Fittings: Tower Bolts (Barrel Type)					
MT0570	200mm	each	102.50	85.00	35.00	92.50
MT0571	150mm	each	80.00	64.00	25.00	68.00
MT0572	100mm	each	55.00	46.67	20.00	46.40
Brass						
Bright fin	ished brass: Butt Hinges					
MT0575	100mm	each	80.00	87.52	85.00	126.25
MT0576	75mm	each	60.00	64.64	57.50	97.50
MT0577	50mm	each	40.00	43.46	40.00	51.25
_	ished brass: Handles					
MT0580	150mm	each	90.00	120.53	120.00	121.00
MT0581	125mm	each	80.00	95.02	80.00	97.00
MT0582	100mm	each	55.00	83.97	60.00	77.00
MT0583	75mm	each	45.00	66.55	50.00	61.00
Bright fin	ished brass: Hooks and Eyes					
MT0590	150mm	each	47.50	66.88	40.00	69.00
MT0591	100mm	each	45.00	54.72	30.00	42.00
Bright fin	ished brass: Sliding Door Bolts					
MT0595	300mm	each	576.67	559.10	621.80	736.67
MT0596	250mm	each	526.67	497.43	467.08	648.33
MT0597	200mm	each	470.00	346.38	491.00	571.67
Bright fin	ished brass: Tower Bolts (Barrel Type)					
MT0600	250mm	each	208.33	259.17	185.00	312.50
MT0601	150mm	each	131.11	208.09	120.00	160.00
MT0602	100mm	each	99.44	106.23	80.00	102.50
Door Clos	sers/Stoppers					
MT0605	Bright finished brass: Door Stopper	each	170.00	167.50	85.00	121.67
MT0606	Bright finished brass: Mortise Latch 100mm	each	805.80	874.98	850.00	987.50
MT0607	brass, hinged, spring-loaded type	each	765.00	842.78	742.77	650.00
MT0608	brass, over-head, hydraulic type	each	714.00	784.60	1250.00	966.67
Mild S	t e e l					
	l: Butt Hinges					
MT0615	100mm	each	23.33	34.51	18.00	58.75
MT0616	75mm	each	15.00	28.08	12.00	36.25
MT0617	50mm	each	10.00	20.10	7.50	25.00
	l: Handles	_				_ == =
MT0620	150mm	each	33.33	41.51	27.67	72.50
MT0621	125mm	each	26.67	35.63	21.00	51.25
MT0622	100mm	each	21.67	31.87	18.00	36.25
MT0623	75mm	each	20.00	25.20	8.00	30.00
	l: Hooks and Eyes					
MT0630	300mm	each	36.47	29.13	27.50	67.50
MT0631	200mm	each	36.77	28.56	20.67	52.50
MT0632	150mm	each	35.00	24.20	19.00	45.00
MT0633	100mm	each	20.63	28.05	14.25	35.00
	l: Sliding Door Bolts					
MT0640	300mm	each	193.33	226.65	121.25	195.00
MT0641	250mm	each	133.33	223.84	100.00	190.00
MT0642	200mm	each	105.00	178.79	82.50	153.33

Code	Description	Units	PL	GP	S/J	TH
Mild Steel	l: Tower Bolts (Barrel Type)					
MT0645	250mm	each	68.00	78.30	55.00	122.00
MT0646	150mm	each	48.50	56.30	31.67	81.40
MT0647	100mm	each	34.00	42.85	21.67	62.50
MS Door S	Stanner					
MT0650	Mild Steel: Door Stopper	each	92.50	119.03	100.00	116.67
BASIC RA	ATES - TILES & GLASS MATERIALS					
Glass						
Plain Glas	ss					
MT0655	3mm thick	sq.m	362.25	395.00	495.90	416.84
MT0656	4mm thick	sq.m	390.95	485.00	507.50	524.39
MT0657	5.5mm thick	sq.m	509.31	595.00	771.10	806.70
Frosted G	lass					
MT0660	3mm thick	sq.m	586.42	535.00	520.00	755.40
MT0661	5.5mm thick	sq.m	737.06	645.00	620.00	807.00
Tiles						
Glazed tile	es					
MT0665	white, 150 x 150mm	each	24.87	18.72	21.03	19.61
MT0666	extra, for regular colours	each	1.97	1.97	1.97	1.95
MT0667	extra, for special colours	each	2.57	2.54	2.52	2.51
MT0668	White, 300 x 300 mm	each	34.60	44.71	33.31	44.92
MT0669	White,200 x 200 mm	each	29.91	32.68	33.31	28.06
MT0670	White,200 x 100 mm	each	27.03	36.04	18.17	26.00
MT0671	White,100 x 100 mm	each	24.87	23.11	18.17	23.92
MT0672	Linoleum sheet, 2mm	sq.m	389.22	367.60	605.70	374.39
MT0673	450 x 300 mm	each	79.92	84.13	35.33	84.13
MT0674	600 x 300 mm	each	113.23	117.10	45.43	118.41
MT0675	600 x 600 mm	each	195.59	195.59	186.76	208.94
BASIC RA	ATES - PLASTERING MATERIALS					
MT0685	Plaster of Paris	kg	21.02	30.00	15.00	36.33
BASIC RA	ATES - PAINT & WALL PAPER MATERIALS					
Distem	per & Distemper Primers					
MT0690	Dry Distemper	kg	58.33	67.50	50.00	57.50
MT0691	Acrylic washable distemper	kg	54.60	61.25	50.00	64.17
MT0692	Water proofing Cement paint	kg	39.67	38.75	50.00	121.25
Bhutanese	Painting Materials					
MT0695	Mud Paint for Bhutanese traditional painting	kg	55.25	62.50	65.00	90.00
MT0696	Animal glue	kg	76.25	143.33	160.00	143.00
1 (TO) (O)	Cloth for Bhutanese painting	sq.m	48.33	98.33	35.00	109.00
MT0697						
MT0697 MT0698	Paper for Bhutanese painting	sq.m	25.00	30.00	32.50	39.33
	Paper for Bhutanese painting Colour powder(excluding gold powder) Gold powder	sq.m kg	25.00 470.00	30.00 475.00	32.50 341.67	39.33 613.12 3175.00

Code	Description	Units	PL	GP	S/J	ТН
2040	2 coorspinor	0.2103		<u> </u>		
Primers		•••	102.00	07.50	06.00	10 (07
MT0710 MT0711	Cement primer	litre litre	103.00 114.38	97.50	96.00	126.07 181.00
MT0711 MT0712	Synthetic red lead primer Red oxide primer, for metals	litre litre	114.38	152.50 135.00	141.25 134.50	160.64
MT0712	White primer, for wood	litre	137.50	135.00	152.00	183.57
MT0714	Pink primer, for wood	litre	169.00	140.00	156.00	192.57
Finishing	coat					
MT0720	Aluminium paint	litre	297.50	308.45	250.00	327.86
MT0721	Red Corrugal paint	litre	147.50	195.72	180.00	235.71
MT0722	Synthetic enamel paint	litre	160.00	198.68	180.00	234.17
MT0723	High gloss synthetic enamel	litre	285.00	271.05	185.00	352.14
MT0724	Acrylic emulsion	litre	201.04	162.90	217.00	311.43
MT0725	Vinyl plastic emulsion paint (for cement plaster)	litre	288.53	244.39	1250.00	406.67
MT0726	Black\White bitumen enamel	litre	197.63	248.80	385.00	331.67
	- Varnish - Polish		202.20	225.55	250.00	4== 00
MT0730	Wood Stain (various colours)	litre	293.30	337.75	250.00	475.00
MT0731	Clear synthetic varnish	litre	250.00	227.08	220.00	326.00
MT0732	French Polish	litre	284.59	291.38	320.00	348.33
	Preservative					
MT0735	Wood preservative -Brown	litre	224.06	248.13	196.67	315.00
MT0736	Crude Coal Tar	litre	128.52	152.28	200.00	175.00
Access						
MT0740	Putty for wood	kg	26.00	30.94	33.33	43.33
MT0741	Wall Putty	kg	35.25	34.69	25.00	43.00
Wall	-					
Wall pape MT0745	er: Standard	sq.m	241.96	325.69	318.00	319.30
MT0746	High Quality	sq.m	328.69	446.51	431.00	433.50
Road Ma	rking Paint					
MT1679	Thermoplastic road marking paint	litre	174.44	176.46	175.44	176.00
BASIC I	RATES - DRAINAGE MATERIALS					
C I M	anhole Covers					
C. 1. WI	annote covers					
MT0750	Watertight C.I. Manhole Cover with frame, 300 x 300mm inside size					
	Wt. of cover not less than 4.53 kg wt. of frame not less than 2.72 kg	_		0.62.06	- 0000	000.11
		each	774.54	863.06	789.90	839.14
MT0751	C.I. manhole cover with frame (light duty) internal dimension 455 x					
	610mm Total weight of Cover and frame not less than 38 kg. (Cover	each	2517.27	2340.28	1948.42	2911.91
MT0752	23 kg. and frame 15 kg.) C.I. manhole cover and frame (medium duty) 500mm internal dia.	cacii	2317.27	2340.20	1340.42	2911.91
14110/32	Total weight of cover and frame not less than 116 kg. (cover 58 kg.					
	and frame 58 kg)	each	7911.42	7911.42	5950.58	8208.90
MT0753	C.I.manhole cover 400mm dia. inside, mosquito proof with locking					
	arrangement (Wt of cover not less than 7kg).	each	1770.39	1881.04	1853.71	1896.19

Code	Description	Units	PL	GP	S/J	TH
Rain-w	ater Pipes & Fittings					
Cast Iron						
MT0760	Pipe, 100mm dia.	m	1133.00	1160.61	1071.00	1133.22
MT0761	Bend 100mm	each	293.55	316.23	214.20	293.61
MT0762	Head 100mm	each	267.80	279.46	229.50	267.85
MT0763	Offset 100mm, 75mm projection	each	389.34	353.00	357.00	389.42
MT0764	Offset 100mm, 150mm projection	each	581.95	608.30	591.60	582.06
MT0765	Shoe, 100mm	each	453.20	479.02	497.40	453.29
MT0766	Grating	each	150.38	162.84	165.99	150.41
R.C Non-l	Pressure pipe					
NP2 class						
MT0768	100 mm dia	m	377.85	383.92	350.00	395.66
MT0769	150 mm dia	m	492.21	546.62	403.00	547.46
MT0770	225mm dia	m	665.02	698.12	627.50	839.95
MT0771	300mm dia	m	830.40	842.58	810.00	1021.86
MT0772	450mm dia	m	1128.30	1204.02	1104.00	1370.64
MT0773	600mm dia	m	1552.40	1766.66	1448.00	2051.21
MT0774	750mm dia	m	2281.00	2348.65	2061.00	2757.97
MT0775	900mm dia	m	2910.00	2985.00	3015.00	3248.34
MT0776	1050mm dia	m	4000.70	4738.64	3789.00	4724.96
MT0777	1200mm dia	m	6970.48	7588.47	5165.00	7389.96
NP2 Class	Collar					
MT0783	100 mm dia	each	90.63	90.77	90.92	100.72
MT0784	150 mm dia	each	108.36	108.51	108.67	122.62
MT0785	225mm dia	each	131.17	132.36	132.57	148.90
MT0786	300mm dia	each	168.15	173.83	174.14	189.58
MT0787	450mm dia	each	274.63	261.87	262.33	285.78
MT0788	600mm dia	each	404.98	373.43	374.09	408.06
MT0789	750mm dia	each	576.01	549.08	550.04	602.55
MT0790	900mm dia	each	772.46	670.84	670.84	748.78
MT0791	1050mm dia	each	825.01	834.23	834.23	908.19
MT0792	1200mm dia	each	1126.11	1101.84	1101.84	1199.49
RCC PIPI	E NP-3 CLASS SPIGOT & SOCKET TYPE					
	RCC pipe 450 mm dia NP-3 spigot & socket	m	1474.17	1463.64	1795.27	1626.27
	RCC pipe 600 mm dia NP-3 spigot & socket	m	2200.30	2199.67	2625.19	2444.03
	RCC pipe 900 mm dia NP-3 spigot & socket	m	3696.10	3700.07	4555.80	4111.21
	RCC pipe 1000 mm dia NP-3 spigot & socket	m	4116.30	4266.10	5148.11	4740.15
	RCC pipe 1200 mm dia NP-3 spigot & socket	m	6237.47	6494.26	7335.52	7216.03
Stonew	are Pipe Specials					
Stoneware	e pipes 60 cm long					
MT0795	100mm dia	each	132.18	134.81	135.49	134.17
MT0796	150mm dia	each	294.40	300.27	301.75	298.82
MT0797	200mm dia	each	516.71	526.99	529.61	524.47
MT0778	230mm dia	each	632.07	644.66	647.84	641.56
MT0779	250mm dia	each	708.98	723.09	726.68	719.62
MT0780	300mm dia	each	877.21	894.67	899.11	890.38
MT0781	350mm dia	each	1051.46	1072.39	1077.69	1067.23
MT0782	400mm dia	each	1231.70	1256.22	1262.43	1250.18
MT0793	500mm dia	each	1616.23	1648.41	1656.56	1640.48

Code	Description	Units	PL	GP	S/J	TH
CITT	D.T					
S\W trap	- P Type 100 x 100mm	aaah	108.15	110.20	110.05	109.78
MT0800 MT0801	150 x 100mm	each	108.13	110.30 125.01	110.85	109.78
MT0801 MT0802	180 x 150mm 180 x 150mm	each each	156.21	159.32	125.62 160.12	158.56
W110802	180 x 130mm	each	130.21	139.32	100.12	138.30
BASIC F	RATES - PLUMBING (PIPEWORK)					
Water	Supply Pipes					
G.I pipe						
MT0805	15mm	m	123.43	145.00	132.50	164.45
MT0806	20mm	m	152.60	165.00	164.00	210.83
MT0807	25mm	m	202.07	215.00	221.00	263.96
MT0808	32mm	m	256.83	275.00	272.50	333.96
MT0809	40mm	m	296.70	320.00	327.50	396.37
MT0810	50mm	m	394.13	425.00	434.00	523.54
MT0811	65mm	m	496.20	550.00	545.00	670.03
MT0812	80mm	m	628.47	695.00	722.50	868.63
MT0813	100mm	m	913.57	950.00	1125.00	1261.63
MT0814	150mm	m	1414.25	1250.00	1585.00	2007.13
	pressure class PN 12.5		2= 0.4	20.20	20.45	• • • • •
MT1685	20mm	m	27.96	28.39	28.17	28.68
MT1686	25mm	m	43.02	43.68	43.30	44.12
MT1687	32mm	m	66.00	68.76	62.05	67.82
MT1688	40mm	m	103.49	107.25	98.45	106.30
MT1689	50mm	m	161.81	167.88	154.05	166.22
MT1690	63mm	m	252.03 358.99	261.78	239.10	258.92 368.82
MT1691 MT1692	75mm 90mm	m	516.39	373.00 534.78	340.20 494.25	530.40
MT1692 MT1693	110mm	m	770.40	800.13	730.70	791.46
MT1693	125mm	m m	987.27	1024.97	938.20	1014.24
MT1695	140mm	m	1241.50	1288.98	1179.45	1275.42
MT1696	160mm	m	1617.97	1679.47	1538.35	1662.15
MT1697	180mm	m	2045.08	2122.48	1945.40	2100.89
MT1698	200mm	m	2526.89	2624.46	2398.45	2596.00
MT1699	225mm	m	3192.05	3312.44	3038.15	3279.14
MT1700	250mm	m	3687.79	3744.53	3737.25	3782.35
MT1701	280mm	m	4506.47	4672.49	4687.00	4743.65
MT1702	315mm	m	5704.95	5915.13	5934.00	6005.21
MT1703	355mm	m	7243.96	7510.84	7534.00	7625.22
MT1704	400mm	m	9388.84	9734.74	9765.00	9882.99
H.D.P.E p	oressure class PN 10					
MT0817	20mm	m	25.00	25.04	27.00	26.31
MT0818	25mm	m	36.57	35.44	37.03	37.50
MT0819	32mm	m	57.27	59.18	55.10	58.82
MT0820	40mm	m	88.01	91.67	82.40	90.43
MT0821	50mm	m	134.22	139.74	126.25	137.92
MT0822	63mm	m	213.49	221.84	202.20	219.34
MT0823	75mm	m	302.66	314.29	287.25	310.94
MT0824	90mm	m	432.46	449.58	409.20	444.32
MT0825	110mm	m	640.48	665.52	607.10	658.02
MT0826	140mm	m	926.36	926.61	977.25	949.08
MT0827	160mm	m	1187.69	1179.59	1276.25	1216.20
MT0828	225mm	m	2668.33	2775.01	2523.05	2741.58
MT1710	250mm	m	3065.97	3113.14	3107.15	3144.59
MT1711	280mm	m	3741.38	3879.22	3891.00	3938.30
MT1712	315mm	m	4740.86	4915.52	4931.00	4990.37
MT1713	355mm	m	6030.00	6252.15	6272.00	6347.37
MT1714	400mm	m	7810.03	8097.77	8123.00	8221.08

MT0830 MT0831 MT0832 MT0833	ipes of pressure class PN 6 32mm 40mm 50mm 63mm	m m m	49.47	50.23		
MT0830 MT0831 MT0832 MT0833 MT0834 MT0835 MT0836	32mm 40mm 50mm 63mm	m		50.23		
MT0832 MT0833 MT0834 MT0835 MT0836	40mm 50mm 63mm	m		30.23	50.07	50.74
MT0832 MT0833 MT0834 MT0835 MT0836	50mm 63mm		62.38	63.34	63.11	63.98
MT0833 MT0834 MT0835 MT0836			96.80	98.28	98.05	99.28
MT0834 MT0835 MT0836	75	m	150.57	152.89	152.30	154.43
MT0835 MT0836	75mm	m	212.95	216.23	215.41	218.41
	90mm	m	301.14	305.77	305.10	308.86
MT0837	110mm	m	415.58	434.58	386.20	427.17
	140mm	m	672.03	700.80	630.10	690.62
MT0838	160mm	m	876.56	914.42	821.05	900.83
MT0839	225mm	m	1727.05	1799.45	1623.40	1774.70
MT1718	250mm	m	1967.58	1997.85	1994.05	2018.03
MT1719	280mm	m	2405.81	2494.44	2502.00	2532.43
MT1720	315mm	m	3044.85	3157.03	3167.00	3205.11
MT1721	355mm	m	3858.58	4000.74	4013.00	4061.66
MT1722	400mm	m	4990.72	5174.59	5194.00	5253.39
H.D.P.E Pi	ipes of pressure class PN 4					
MT0841	40mm	m	51.57	57.67	60.00	52.76
	50mm	m	79.59	80.81	80.00	81.63
	63mm	m	107.55	109.20	109.00	110.31
MT0844	75mm	m	146.27	148.52	148.00	150.02
MT0845	90mm	m	212.95	216.23	215.00	218.41
MT0846	110mm	m	294.75	307.51	276.00	302.91
MT0847	140mm	m	479.02	495.62	460.00	491.98
MT0848	160mm	m	625.35	647.93	598.00	642.34
MT0849	225mm	m	1201.11	1252.30	1127.00	1234.32
MT1726	250mm	m	1361.65	1382.59	1380.00	1396.56
	280mm	m	1680.53	1742.44	1743.00	1768.98
MT1728	315mm	m	2100.66	2178.05	2185.00	2211.22
MT1729	355mm	m	2675.58	2774.15	2783.00	2816.40
MT1730	400mm	m	4263.23	4420.30	4434.00	4487.61
	ipes of pressure class PN 2.5					
	110mm	m	204.35	207.49	207.00	209.59
MT0853	140mm	m	335.56	340.72	340.00	344.16
MT0854	160mm	m	434.50	441.19	440.00	445.64
MT0855	225mm	m	838.89	851.80	850.00	860.40
_	s (Pressure Normal 16)					
MT1760	PN-16 pipe,16mm OD	m	83.79	83.79	83.79	93.10
MT1761	PN-16 pipe,20mm OD	m	94.72	94.72	94.72	105.25
MT1762	PN-16 pipe,25mm OD	m	145.73	145.73	145.73	161.92
MT1763	PN-16 pipe,32mm OD	m	236.81	236.81	236.81	263.12
MT1764	PN-16 pipe,40mm OD	m	378.89	378.89	378.89	420.99
MT1765	PN-16 pipe,50mm OD	m	597.48	597.48	597.48	663.87
MT1766	PN-16 pipe,63mm OD	m	951.79	951.79	951.79	1057.54
MT1767	PN-16 pipe,75mm OD	m	1352.54	1352.54	1352.54	1502.82
_	s (Pressure Normal 10)		40500-	40=00-	40=00-	4 = 6 = 1 =
MT1768	PN-10 pipe,90mm OD	m	1378.95	1378.95	1378.95	1532.17
MT1769	PN-10 pipe,110mm OD	m	2035.64	2035.64	2035.64	2261.82
MT1770	PN-10 pipe,160mm OD	m	4300.80	4300.80	4300.80	4778.66

Code	Description	Units	PL	GP	S/J	TH
Chlorinate	ed Polyvinyl Chloride (CPVC)					
MT1800	15 mm nominal outer dia Pipes	m	70.54	60.00	50.00	53.91
MT1801		m	103.35	87.45	60.00	95.73
	25 mm nominal outer dia Pipes	m	139.44	131.50	107.00	137.76
	32 mm nominal outer dia Pipes	m	281.50	196.16	161.00	224.29
	40 mm nominal outer dia Pipes		314.30	266.13	215.00	309.01
	50 mm nominal outer dia Pipes	m m	488.19	446.93	350.00	474.21
	zed Polyvinyl Chloride (uPVC)		100.15	110.55	220.00	1, 1.21
MT1820	110 mm	m	439.16	439.16	439.16	461.12
MT1821	160 mm	m m	829.89	829.89	829.89	871.39
MT1822	180 mm	m	901.69	901.69	901.69	946.78
MT1823	200 mm	m	1978.71	1978.71	1978.71	2077.65
MT1824		m	2103.95	2103.95	2103.95	2209.15
MT1825		m	2698.40	2698.40	2698.40	2833.32
MT1826		m	2849.79	2849.79	2849.79	2992.28
MT1827		m	3897.31	3897.31	3897.31	4092.18
MT1828	400 mm	m	4536.29	4536.29	4536.29	4763.10
MT1829	450 mm	m	4633.70	4633.70	4633.70	4865.38
MT1830	560 mm	m	4870.25	4870.25	4870.25	5113.76
Ductile Ire	on Pipes - Class K9					
MT0856	80 mm	m	1250.00	1003.12	993.38	1002.54
MT0857	100 mm	m	1650.00	1167.29	1155.96	1166.62
MT0858	150 mm	m	1850.00	1700.33	1683.83	1699.36
MT0859	200 mm	m	2550.00	2341.27	2318.54	2339.53
MT0860	250 mm	m	3550.00	3111.54	3081.32	3109.34
MT0861	300 mm	m	3932.58	3932.58	3894.40	3930.33
MT0862	350 mm	m	4931.74	4931.74	4883.86	4928.93
MT0863	400 mm	m	5867.63	5867.63	5810.66	5864.27
MT0864	450 mm	m	6923.50	6923.50	6856.29	6919.55
MT0865 MT0866	500 mm 600 mm	m m	8114.26 11129.24	8114.26 11129.24	8035.47 11021.18	8109.62 11122.88
	on Pipes - Class K7		11127.21	11127.21	11021.10	11122.00
	•					
MT0871	100 mm	m	1175.00	987.10	977.52	986.54
MT0872	150 mm	m	1551.00	1530.50	1515.64	1529.63
MT0873	200 mm	m	1739.00	2012.68	1993.14	2011.53
MT0874	250 mm	m	2397.00	2651.19	2625.45	2649.67
MT0875	300 mm	m	3337.00	3320.80	3288.56	3318.90
MT0876	350 mm	m	4141.85	4182.46	4141.85	4160.79
MT0877 MT0878	400 mm 450 mm	m	4916.45 5749.32	4964.65 5805.69	4916.45 5749.32	4961.82 5802.38
MT0878	500 mm	m	6782.96	6849.46	6782.96	6845.55
MT0879	600 mm	m m	9196.33	9286.50	9196.33	9281.19
Ductile Ire	on Pipes K-9 Double Flanged					
MT0882	100 mm	m	1970.09	1989.41	1970.09	1987.96
MT0883	150 mm	m	2840.60	2868.45	2840.60	2866.60
MT0884	200 mm	m	3997.45	4036.65	3997.45	4033.58
MT0885	250 mm	m	5257.40	5308.95	5257.40	5312.75
MT0886	300 mm	m	6517.34	6581.24	6517.34	6577.24
MT0887	350 mm	m	8075.09	8154.26	8075.09	8148.94
MT0888	400 mm	m	9678.65	9773.54	9678.65	9767.83
MT0889	450 mm	m	13057.59	13185.60	13057.59	13177.55
MT0890	500 mm	m	15348.39	15498.87	15348.39	15489.49

	Bnutan Scheaule of Ri					
Code	Description	Units	PL	GP	S/J	TH
MT0001	(00		10007.27	20192 22	10007.27	20171.04
MT0891	600 mm	m	19987.27	20183.23	19987.27	20171.04
Pipe F	ittings					
-	-					
	velded-type fittings		55.66	50.24	10.06	70.04
MT0895	TEE, 20mm	each	55.66	50.24	42.26	70.84
MT0896 MT0897	TEE, 25mm TEE, 32mm	each each	75.90 91.08	72.57 106.05	58.99 99.83	97.15 165.97
MT0898	TEE, 50mm	each	141.68	175.07	177.10	177.10
MT0899	TEE, 63mm	each	222.64	251.91	202.40	202.40
MT0900	TEE, 90mm	each	303.60	303.60	303.60	354.20
MT0901	TEE, 110mm	each	493.35	328.90	328.90	366.85
MT0902	TEE, 160mm	each	1386.44	1416.80	1518.00	1787.87
MT0903	Elbow, 32mm	each	56.87	94.89	54.12	84.00
MT0904	Elbow, 50mm	each	114.42	159.05	113.57	277.29
MT0905	Elbow, 63mm	each	188.11	227.44	210.74	319.79
MT0906	Elbow, 90mm	each	251.31	336.24	328.40	446.80
MT0907	Elbow, 110mm	each	382.03	418.56	536.46	776.20
MT0908	Reducer, 90 x 50mm	each	240.40	251.84	254.27	253.00
MT0909	Reducer, 90 x 63mm	each	263.22	254.90	260.63	253.00
MT0910	Reducer, 110 x 63mm	each	275.77	280.71	260.63	303.60
MT0911	Reducer, 160 x 90mm	each	684.38	671.94	750.10	657.80
MT0912	Blank end, 50mm	each	106.80	119.12	123.32	151.80
MT0913	Blank end, 63mm	each	129.25	153.50	158.92	182.16
MT0914	Blank end, 90mm	each	284.85	298.40	308.94	349.14
MT0915	Blank end, 110mm	each	306.08	343.84	355.98	470.58
MT0916	Blank end, 160mm	each	526.83	589.44	610.25	698.28
M I E:44:	uga Union					
M.I. Fittii MT0921	ags Union 32mm	each	173.00	155.49	183.60	213.50
MT0921 MT0922	40mm	each	227.50	197.50	214.20	240.50
W110722	+OHIII	cacii	221.30	177.50	217.20	240.30
Brass Fitt	ings Bibcock					
MT0925	15mm	each	305.00	276.67	235.00	360.00
Stopcock						
MT0930	15mm nom-bore	each	367.50	328.95	390.00	491.00
MT0931	20mm nom-bore	each	497.50	414.75	380.00	498.00
MT0932	25mm nom-bore	each	585.00	514.90	450.00	644.00
W/h a al anal						
Wheel val MT0940	32mm nom-bore	aaah	942.91	1126.45	1126.45	1097.50
MT0940 MT0941	40mm nom-bore	each each	1150.86	1369.64	1369.64	1391.00
MT0941	50mm nom-bore	each	1302.77	1712.45	1712.45	1889.00
MT0943	65mm nom-bore	each	2500.21	3082.22	3082.22	3252.50
MT0944	80mm nom-bore	each	3320.78	4342.01	4342.01	4456.50
**						
Non retur	n valve					
MT0951	50mm nom-bore	each	1561.33	1703.92	1983.90	2170.00
MT0952	65mm nom-bore	each	3061.00	3392.92	3427.20	3845.00
MT0953	80mm nom-bore	each	4617.33	5137.85	5406.00	5612.00
n · · · -	L. AGDRO W					
	asket of S.B.R Quality	1.	(4.36	50.02	50.02	FC 00
MT0960	80 mm	each	64.26	58.83	58.83	56.00
MT0961	100 mm	each	73.44	67.24	67.24	64.00
MT0962	150 mm	each	104.04	94.55 157.50	94.55 157.50	90.00
MT0963 MT0964	200 mm 250 mm	each each	167.28 182.07	157.59 194.36	157.59 194.36	150.00 185.00
MT0965	300 mm	each	303.96	278.41	278.41	265.00
MT0966	350 mm	each	344.76	315.18	315.18	300.00
MT0967	400 mm	each	400.86	453.86	453.86	432.00
11110707		Cacii	100.00	155.00	122.00	152.00

Code	Description	Units	PL	GP	S/J	TH
MT0968	450 mm	each	471.75	478.02	478.02	455.00
MT0969	500 mm	each	668.61	663.98	663.98	632.00
MT0970	600 mm	each	888.93	882.50	882.50	840.00
Waste-	-water Pipework					
	Pipes, Single Socketted, 1.83m long					
MT0975	50mm	each	543.57	561.86	636.71	895.00
MT0976	75mm	each	747.57	815.57	718.13	1097.50
MT0977	100mm	each	926.07	967.26	1155.66	1425.00
MT0978	150mm	each	1232.07	1245.80	1309.10	1520.00
Plain ben	d					
MT0985	50mm	each	166.46	134.30	173.40	192.50
MT0986	75mm	each	177.58	154.70	183.60	290.00
MT0987	100mm	each	182.68	205.70	226.95	293.33
Door bend	d					
MT0990	50mm	each	218.48	225.88	230.15	212.50
MT0991	75mm	each	218.48	246.69	269.55	295.00
MT0992	100mm	each	218.48	289.37	338.98	356.00
Collar						
MT1000	50mm	each	129.01	165.47	174.79	124.00
MT1001	75mm	each	174.79	184.80	170.28	168.00
MT1002	100mm	each	236.17	253.23	287.52	227.00
Heel rest	bend					
MT1010	50mm	each	133.17	135.53	159.69	128.00
MT1011	75mm	each	231.39	231.01	236.07	262.00
MT1012	100mm	each	219.59	283.47	278.60	333.00
Single equ	ual junction - plain					
MT1020	50mm	each	229.41	225.88	293.74	220.00
MT1021	75mm	each	344.12	320.43	360.35	330.00
MT1022	100mm	each	469.74	409.73	453.57	451.00
Single equ	ual junction, door					
MT1030	50mm	each	185.71	194.70	199.61	178.00
MT1031	75mm	each	235.97	233.87	252.14	226.00
MT1032	100mm	each	322.27	336.46	357.87	309.00
MT1033	150mm	each	344.12	382.50	374.00	330.00
Double eq	qual junction, plain					
MT1040	50mm	each	316.80	226.14	242.69	304.00
MT1041	75mm	each	396.55	270.27	286.81	381.00
MT1042	100mm	each	594.27	540.54	556.12	571.00
Double ea	qual junction, door					
MT1050	50mm	each	274.20	248.21	242.69	263.00
MT1051	75mm	each	351.22	297.85	286.81	337.00
MT1052	100mm	each	461.00	430.23	510.19	443.00

Code	Description	Units	PL	GP	S/J	ТН
Code	Description	Units	FL	Gr	5/J	III
Single une	equal junction, plain					
MT1060	75 x 50mm	each	229.41	241.59	241.64	220.00
MT1061	100 x 50mm	each	300.42	314.39	319.38	288.00
MT1062	100 x 75mm	each	349.57	359.62	359.31	336.00
Single une	equal junction, door					
MT1070	75 x 50mm	each	246.34	254.28	264.75	236.00
MT1071	100 x 50mm	each	376.89	380.58	397.13	262.00
MT1072	100 x 75mm	each	400.92	414.77	421.94	385.00
	equal junction, plain					
MT1080	100 x 50	each	338.65	341.45	358.52	325.00
MT1081	100 x 75	each	393.27	382.42	408.16	378.00
Double un	nequal junction, door					
MT1085	100 x 50	each	355.04	344.60	375.06	341.00
MT1086	100 x 75	each	404.20	393.98	430.23	388.00
Single equ	nal Y-Junction					
MT1090	50mm	each	207.56	173.35	231.66	199.00
MT1091	75mm	each	400.92	377.17	264.75	385.00
MT1092	100mm	each	557.13	526.35	496.41	535.00
_	ual Y-Junction					
MT1100	50mm	each	316.80	286.81	213.98	304.00
MT1101	75mm	each	443.53	353.00	305.51	426.00
MT1102	100mm	each	594.27	535.02	382.79	571.00
-	equal invert branch					
MT1110	75 x 50mm	each	297.55	308.88	323.22	286.00
MT1111	100 x 50mm	each	405.76	423.61	437.95	396.00
	mm dia offset					
MT1115	with 75mm projection	each	298.59	262.65	242.69	287.00
MT1116	with 150mm projection	each	413.04	421.29	435.73	397.00
75mm dia						
MT1120	with 75mm projection	each	275.71	283.66	280.50	265.00
MT1121	with 150mm projection	each	390.15	390.82	346.80	375.00
100mm di						
MT1125	with 75mm projection	each	332.93	329.89	346.80	320.00
MT1126	with 150mm projection	each	405.76	408.68	433.50	390.00
Terminal						
MT1130	50mm	each	131.09	137.89	192.68	126.00
MT1131	75mm	each	218.48	233.87	268.10	210.00
MT1132	100mm	each	333.19	330.94	330.31	320.00
MT1133	150mm	each	589.91	595.69	531.25	567.00
P-type Na	-	_	102	100 ::	100.00	4
MT1140	100mm inlet & 50mm outlet	each	196.62	199.64	180.00	155.00
MT1141 MT1142	100mm inlet & 75mm outlet	each each	276.65 374.70	345.65 478.02	145.00	354.00 480.00
11111142	C.I. P-trap 100mm	eacn	3/4./0	4/0.02	180.00	400.00
	ng Materials	_	00.11	100.11	111-1	0.7.00
MT1145	Pig lead	kg	99.41	108.11	114.71	95.00

Code	Description	Units	PL	GP	S/J	TH
P.V.C Pipes & fittings (Soi	l Waste and Vent)					
	,					
Pipes, Single Socketed 1.83	6 m long		100.00	105 (0	200.00	276.67
MT1150 75mm MT1151 90mm		each each	190.00 305.00	185.69 265.08	200.00 320.00	276.67 400.67
MT1151 90IIIII MT1152 110mm		each	405.00	279.49	390.00	431.00
D' C' l . C l . 4 . l 2 00	N 1					
Pipes, Single Socketed 3.00 MT1160 75mm	om long	each	360.50	331.25	352.50	339.60
MT1161 90mm		each	557.40	435.00	453.75	549.00
MT1162 110mm		each	675.31	523.75	542.50	563.33
Dinas Daublad Carlated 1	92 1					
Pipes, Doubled Socketed 1. MT1170 75mm	.85 m long	each	239.10	302.90	291.60	342.33
MT1170 /3mm MT1171 90mm		each	400.00	478.51	387.10	475.00
MT1171 Johnn MT1172 110mm		each	368.00	556.15	463.85	568.33
. N D 11 . 10 . 1 2. 1	201					
Pipes, Doubled Socketed 1. MT1180 75mm	.20 m long	each	264.50	244.88	250.96	310.00
MT1180 /311111 MT1181 90mm		each	383.00	373.66	371.30	420.50
MT1182 110mm		each	520.00	442.01	451.93	545.33
						
Pipe Connector			07.50	120.00	(0.00	107.50
MT1190 110mm		each	97.50	120.00	60.00	107.50
Reducer						
MT1195 90x75mm		each	101.85	134.30	80.00	101.67
MT1196 110x75mm		each	111.10	134.00	96.67	114.33
MT1197 110x90mm		each	132.13	172.60	96.67	138.33
Coupler						
MT1205 75mm		each	50.50	52.50	48.33	66.33
MT1206 90mm		each	61.00	87.52	61.67	88.00
MT1207 110mm		each	76.50	73.33	66.67	99.00
Plain bend						
MT1215 75mm		each	58.50	71.75	55.00	75.00
MT1216 90mm		each	79.50	115.10	82.00	108.33
MT1217 110mm		each	90.00	122.00	90.00	116.00
Door bend						
MT1225 75mm		each	89.00	99.80	68.33	108.67
MT1226 90mm		each	119.00	155.53	121.67	144.33
MT1227 110mm		each	126.00	152.60	141.67	154.67
Long Arm Bend						
MT1235 75mm		each	176.87	187.27	193.57	153.33
MT1236 90mm		each	260.10	270.50	283.56	216.67
MT1237 110mm		each	353.74	353.74	363.17	290.00
Dlain Chee						
Plain Shoe MT1239 75mm		each	114.44	120.17	119.65	110.00
MT1240 90mm		each	135.25	147.48	145.66	130.00
MT1240 90mm MT1241 110mm		each	166.46	174.79	176.87	160.00
		cucii	-00.10	-1/	- / 0.0 /	_00.00

Code	Description	Units	PL	GP	S/J	TH
Coue	Description	Units	1 L	GI	5/1	111
Single Te	e, Plain					
MT1245	75mm	each	76.50	88.64	66.67	94.00
MT1246	90mm	each	125.50	118.85	101.67	130.00
MT1247	110mm	each	137.00	147.93	118.33	164.33
Single Te	e, With Door					
MT1255	75mm	each	94.00	97.14	78.67	113.67
MT1256	90mm	each	136.00	134.05	125.67	162.67
MT1257	110mm	each	153.50	165.45	150.00	189.33
Double To	oo Blain					
MT1265	75mm	each	153.50	151.38	126.33	189.33
MT1266	90mm	each	224.50	218.48	188.33	267.33
MT1267	110mm	each	317.00	226.47	255.00	371.67
B 11 T	W/U D					
MT1275	ee, With Door 75mm	each	228.50	225.58	160.00	262.67
MT1273	90mm	each	289.50	223.38 379.75	208.00	350.33
MT1270	110mm	each	326.67	307.19	270.33	384.50
1,1112,,	11011111	-	520.07	507.15	2,0.00	2020
Single Y,						
MT1285	75mm	each	97.00	101.67	85.00	113.50
MT1286	90mm	each	149.50	132.00	126.33	175.33
MT1287	110mm	each	184.50	165.00	161.67	206.67
Single Y,	With Door					
MT1295	75mm	each	116.00	150.00	122.56	143.33
MT1296	90mm	each	180.50	180.00	195.53	227.00
MT1297	110mm	each	244.50	212.50	226.19	291.33
Double Y	, Plain					
MT1305	75mm	each	148.50	165.94	103.58	192.67
MT1306	90mm	each	213.50	245.00	205.24	264.67
MT1307	110mm	each	247.50	215.00	207.90	321.00
Double Y.	, With Door					
MT1315	75mm	each	190.50	201.99	162.50	275.00
MT1316	90mm	each	263.50	342.72	222.50	313.67
MT1317	110mm	each	296.50	273.65	259.25	390.00
Seal Ring						
MT1320	75 mm	each	30.60	32.30	32.80	36.67
MT1321	90 mm	each	45.90	42.50	41.68	50.00
MT1322	110 mm	each	53.55	51.00	55.50	60.00
75mm dia	ı. offset					
MT1325	With 75mm projection	each	255.00	208.08	234.60	289.00
MT1326	With 150mm projection	each	295.00	301.72	290.70	295.00
90mm dia	offset					
MT1330	With 75mm projection	each	375.00	343.33	306.00	375.00
MT1330	With 150mm projection	each	462.00	426.56	459.00	462.00
1001	L J J -					
110mm di		_		200		
MT1335	With 150 projection	each	469.42	388.61	357.00	469.42
MT1336	With 150mm projection	each	540.08	435.87	448.80	540.08

Code	Description	Units	PL	GP	S/J	TH
Terminal	Guard					
MT1340	75mm	each	84.02	94.53	94.55	80.76
MT1341	90mm	each	94.53	110.28	105.06	90.86
MT1342	110mm	each	99.78	115.53	115.57	95.90
Nahani T						
MT1345	100mm inlet & 75mm outlet	each	138.30	173.06	171.67	213.68
_	ithout air vent	_	255 42	•00.00	•••	•00 •0
MT1350	Big	each	257.42	289.98	250.00	289.39
MT1351	Small	each	230.17	270.02	255.50	246.32
BASIC I	RATES - PLUMBING (Sanitary Installation, Fittings & a	accessories)				
Baths						
MT1355	Porcelain bath tub, white enamelled, 1700x740x440mm	each	13779.68	12770.18	15166.67	12871.13
MT1356	Fibreglass bath tub	each	15672.49	15839.06	13500.00	15411.70
Basins	, Sinks					
	wash basin, white vitreous					
MT1360	630 x 450mm	each	1443.08	1227.05	1016.67	832.84
MT1361	550 x 400mm	each	1277.85	985.34	850.00	689.83
_	ck wash basin		022.27	902.74	924.50	1272.02
MT1365	400mm x 400mm, white vitreous china	each	932.27	892.74	834.50	1372.92
Pedestal f MT1370	or wash basin white vitreous china	each	1099.07	1441.57	1275.60	967.44
		caen	1077.07	1111.57	1273.00	207.11
	ite glazed vitreous China					
MT1375	600 x 450 x 250	each	1761.58	2263.98	2220.90	2776.13
Stainless	Steel Kitchen Sinks					
MT1380	single bowl, 450 x 400 x 150mm	each	1400.00	1115.50	990.00	1350.00
MT1381	single bowl, 580 x 480 x 175mm	each	1480.00	1201.00	1066.00	1450.00
MT1382	single bowl & drain-board, 940 x 460 x 160mm	each	1650.00	1527.00	1460.00	1950.00
MT1383	single bowl & drain-board, 1080 x 520 x 175mm	each	1350.00	1447.94	1653.32	1800.00
MT1384	single bowl & drain-board, 1150 x 515 x 175mm	each	2200.00	2182.02	2278.42	2450.00
MT1385	single bowl & double drain-board, 1740 x 520 x 200mm	each	2500.00	2766.23	2947.10	4308.33
MT1386	double bowl, 940 x 460 x 160mm	each	1650.00	2510.43	2521.48	4533.33
MT1387	double bowl, 1150 x 520 x 150mm	each	2600.00	3310.60	3075.00	4000.00
MT1388	double bowl & single drain-board, 1740 x 520 x 200mm	each	6250.00	6767.67	6793.17	7125.00
MT1389	double bowl & double drain-board, 1740 x 520 x 165mm	each	6250.00	7461.27	7493.57	8000.00
MT1390	single drain-board, 610 x 460mm	each	995.00	992.07	1021.42	1297.50
W.C. Pa	n s					
MT1400	Vitreous China European - white	each	1144.10	1242.00	1198.00	1211.40
MT1401	Vitreous China European - colour	each	1743.07	1663.00	1218.00	1791.86
MT1402	Vitreous China Indian type - 500mm, white	each	649.45	952.69	716.00	831.16
MT1403	Vitreous China Indian type - 580mm Orissa, white	each	656.18	1018.33	796.00	916.96
MT1404	Vitreous China Indian type - 580mm Orissa, colour	each	1154.11	1425.59	846.00	1388.06
MT1405	Plastic seat & lid for European pan	each	482.38	575.67	436.00	637.67
MT1406	Vitreous China Footrests (250 x 130 x 30), for Indian pan	pair	136.28	153.00	120.00	136.28

Code	Description Description	Units	PL	GP	S/J	TH
Cister	ns					
	matic flushing Cistern with fittings					
MT1420	5 litres	each	1413.30	1273.99	1261.88	1463.78
MT1421	10 litres	each	1539.49	1651.91	1716.15	1665.68
MT1422	12.5 litres	each	1867.58	1908.36	1884.40	1968.53
	China cistern - low level, incl. fittings & flush-bend					
MT1430	10 litres, white	each	1110.45	1076.80	898.46	1451.16
MT1431	10 litres, colour	each	1302.26	1388.06	946.41	1648.85
Float	Valve					
MT1440	15mm ball valve with plastic float	each	416.04	501.93	469.42	597.29
Urinal	s					
	White vitreous China flat-back lipped-front type urinals, 430 x 260 x					
MT1445	350mm	each	1059.98	996.28	1095.11	1261.88
Flush fitti	ings					
MT1450	c.p flush valve, 32mm	each	3148.97	3360.91	3346.13	3196.75
MT1451	c.p flush valve, 32mm, concealed	each	3329.33	3360.91	3295.65	3104.21
MT1452	c.p flush bend, long	each	463.36	472.63	463.45	556.91
MT1453	c.p flush valve elbow	each	385.98	385.98	389.84	370.99
	s & Spouts		494.56	440.47	405.20	(22.00
MT1460 MT1461	15mm pillar cock 15mm pillar cock, swan neck, c.p knob	each each	484.56 748.97	440.47 747.12	405.20 854.33	632.00 1000.00
MT1461 MT1462	15mm pillar cock, aerator, c.p knob	each	401.58	545.74	430.70	650.00
MT1463	20mm pillar cock (for bath)	each	586.92	500.71	540.90	530.00
MT1464	15mm bib cock, vert, c.p knob	each	517.57	408.34	344.75	550.00
MT1465	15mm bib cock, inclined, c.p knob	each	483.55	463.36	440.00	500.00
MT1466	15mm bib cock, long nose, c.p knob	each	532.01	529.03	500.00	740.00
MT1467	15mm bib cock, long body, c.p knob	each	530.72	499.00	457.50	758.67
MT1468	15mm stop cock, c.p knob	each	479.51	469.32	368.00	645.00
MT1469	20mm stop cock, c.p knob	each	463.36	406.90	561.00	600.00
MT1470 MT1471	15mm stop cock, concealed, c.p knob 15mm stop cock, H\D concealed, c.p knob	each each	682.42 772.27	573.95 619.57	576.67 576.67	975.00 946.67
MT1471	20mm stop cock, H\D concealed, c.p knob	each	875.24	718.09	688.33	1025.00
MT1473	15mm angle stop cock, c.p knob	each	566.94	445.72	350.00	620.00
MT1474	Wall spout, std, 15mm	each	472.63	564.40	472.63	561.00
MT1475	Wall spout, wo diverter, used with single-lever mixers	each	682.68	873.64	682.68	642.60
MT1476	Wall spout, with diverter, used with single-lever mixers	each	934.75	1035.06	934.75	960.84
	Shower fittings for 15 to 20mm inlet					
MT1510	rose, 100mm dia	each	829.19	676.26	563.33	719.40
MT1511	rose, 150mm dia	each	903.21	780.30	962.37	925.40
MT1512	shower, with flex tube	each	842.72	911.39	572.50	1050.00
MT1513 MT1514	shower, revolving joint shower, adjustable with locking key	each each	572.22 697.07	525.40 780.30	563.33 841.82	563.30 973.50
MT1514 MT1515	shower arm, 15mm	each	435.10	364.14	360.00	288.33
MT1516	shower arm, 15mm, heavy duty	each	322.52	477.87	379.60	453.33
C.p Mixe	rs					
MT1530	basin, single-hole, casted spout, 15mm	each	1859.50	1921.02	1340.00	2633.33
MT1531	basin, close-hole, 15mm	each	1559.68	1584.92	1226.00	2383.33
MT1532	sink, with spout J pipe, 15mm	each	1672.74	1633.55	1775.00	2430.00
MT1533	sink, with casted spout swinging, 15mm	each	1968.53	1842.51	2120.00	2596.67
MT1534	wall, non-telephonic type, 15mm	each	2387.47	2638.72	2050.00	3063.33
MT1535	wall, telephonic type with crutch and tel. shower, 15mm	each	3225.35	3252.36	2835.71	3422.50

Code	Description Description	Units	PL	GP	S/J	TH
MT1536	wall, telephonic type without crutch and tel. shower, 15mm	each	2819.03	2452.78	2257.14	3285.00
MT1537	wall, telephonic type with crutch and without tel. shower, 15mm	each	3018.41	2391.95	2407.14	3445.00
MT1537	wall, telephonic type with C.P bend & flanges, 15mm	each	2902.31	2050.61	2692.86	3930.00
MT1539	Three hole mixer without pop-up, 15mm	each	3241.30	3074.63	3085.42	3028.50
MT1540	Three hole mixer with pop-up, 15mm	each	3978.34	3599.78	3600.57	4038.00
MT1541	basin, elbow action, surgical, 15mm	each	2205.60	2541.34	3017.61	2439.63
MT1542	basin, elbow action, surgical with shower, 15mm	each	2520.68	2520.68	2960.94	3280.88
MT1543	bath, with exposed adjustable legs with telephone shower arrangement					
	with crutch,15mm	each	3683.65	4011.73	3709.39	3987.53
MT1544	wall, with telephonic shower arrangement with 115mm long bend					
	pipe for over head shower connection, 15mm	each	3675.99	3276.53	3524.95	4166.71
3.5m4.5.45	shower, three in one, with bend flexible tube, and shower & hook,	_	4020 =0	440600	1000.00	
MT1545	15mm	each	4939.79	4136.22	4283.09	4556.21
MT1546	sink, with swivel spout, 15mm	each	1780.90	1540.59	1913.14	2268.85
Traps, c.	р					
MT1580	32mm	each	1118.55	1118.55	1129.52	1026.33
MT1581	for bath	each	892.74	892.74	901.49	888.36
Bathro	om Accessories					
Brackets						
MT1585	R.S. or C.I.Brackets	pair	114.44	135.25	155.27	187.50
C.p. brass	waste					
MT1590	32mm	each	198.90	180.00	175.27	190.00
MT1591	40mm	each	336.60	351.14	312.29	335.00
PVC wast	e					
MT1595	32mm	each	65.96	66.30	96.67	90.00
C.p. brass	chain with plug					
MT1600	32mm	each	188.70	195.06	189.52	186.00
MT1601	40mm	each	198.90	210.12	202.69	202.67
Soap Cont	tainers					
MT1605	c.p brass with bracket	each	287.20	252.49	232.93	290.00
	c.p Liquid Soap Container	each	462.65	416.16	404.04	476.67
MT1607	Recessed ceramic, 200 x 100mm	each	512.65	510.00	510.10	500.00
MT1608	Recessed ceramic, 150 x 150mm	each	510.10	520.20	520.10	520.00
C.p Towel	Daile					
MT1615	20mm x 450mm	each	453.23	499.40	390.00	572.50
MT1615 MT1616	20mm x 430mm 20mm x 600mm	each each	433.23 610.60	599.40 599.90	526.67	686.67
MT1617	20mm x 750mm	each	726.50	694.80	670.00	785.00
MT1617	C.p Towel Ring	each	456.20	435.30	363.33	528.33
1.111010			150.20	.55.50	203.33	520.55
C.p Coat I		1	252.20	269.27	222.00	274.00
MT1625	single	each	252.38	268.27	222.09	274.08
MT1626	double	each	356.86	369.22	312.95	357.36
Glass self/						
MT1630	Glass Shelf	each	716.75	655.97	656.18	886.68
MT1631	Mirror (Bevelled edge) 600mm x 450mm	each	582.99	673.82	656.18	773.95

Code	Description	Units	PL	GP	S/J	TH
Foilet nar	per holders					
MT1635	C.P. brass	each	460.85	424.54	362.51	402.79
MT1636	recessed ceramic (white), 200 x 100mm	each	724.39	703.69	703.69	676.37
MT1637	recessed ceramic (coloured), 200 x 100mm	each	789.26	766.71	766.71	736.94
MT1638	recessed ceramic (cold-type), 150 x 150mm	each	702.76	682.68	682.68	656.18
Electr	ic Water Heater					
Electric V	Vater Heaters					
MT1645	10 litres, vertical	each	6304.80	6725.00	5300.00	6800.00
MT1646	15 litres, vertical	each	6995.80	7662.50	5633.33	7100.00
MT1647	25 litres, vertical	each	7836.20	8675.00	6706.67	8200.00
AT1648	35 litres, vertical	each	9849.40	10425.00	8506.67	9450.00
ит1649	50 litres, vertical	each	11515.00	12225.00	13666.67	13000.00
MT1650	75 litres, vertical	each	16564.50	17500.00	18333.33	18541.67
MT1651	100 litres, vertical	each	18717.33	21627.50	20333.33	21225.00
Vater	Storage Tanks					
	vater storage tank					
MT1665	270 litres	each	1850.00	1687.50	2006.00	2223.03
MT1666	500 litres	each	2750.00	3375.00	3580.00	3811.87
MT1667	1000 litres	each	5500.00	6750.00	7060.00	7623.73
MT1668	2000 litres	each	11000.00	13500.00	14320.00	15247.47
	3000 litres	each	17250.00	20250.00	21480.00	22871.20
BASIC	RATE: STEEL FORMWORK					
Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp	kg each each each each each	80.04 98.51 120.32 2331.15 1428.77 526.39 1525.45	95.61 98.51 120.32 2331.15 1428.77 526.39 1525.45	95.61 98.51 120.32 2331.15 1428.77 526.39 1525.45	98.51 120.32 2331.15 1428.77 526.39 1525.45
Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS	each each each each each	98.51 120.32 2331.15 1428.77 526.39	98.51 120.32 2331.15 1428.77 526.39	98.51 120.32 2331.15 1428.77 526.39	95.61 98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC uPVC W	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS	each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC uPVC W MT1740	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White)	each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC uPVC W MT1740 MT1741	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash	each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12	98.5 120.32 2331.13 1428.77 526.39 1525.43 1037.74
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742 MT1743	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20	98.5 120.32 2331.11 1428.77 526.39 1525.43 1037.74 637.56 278.30 263.11 354.20
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742 MT1743 MT1744	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77	98.5 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1744 MT1745	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash EPDM Gasket Wool pile	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26	98.5 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.20
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash EPDM Gasket Wool pile Glass Bead	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88	98.5 120.3 2331.1: 1428.7 526.3 1525.4: 1037.7 637.5 278.3 263.1: 354.2 15.7 18.2 27.8
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket Wool pile Glass Bead Interlock	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82	98.5 120.32 2331.12 1428.77 526.39 1525.43 1037.74 637.50 278.30 263.12 354.20 15.77 18.20 27.88 153.82
BASIC MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC MVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746 MT1747	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash EPDM Gasket Wool pile Glass Bead	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88	98.5 120.32 2331.12 1428.77 526.39 1525.43 1037.74 637.50 278.30 263.12 354.20 15.77 18.20 27.88 153.82
BASIC MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC MVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746 MT1747 MT1748	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket Wool pile Glass Bead Interlock	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82	98.5 120.3 2331.1: 1428.7' 526.3 1525.4: 1037.7- 637.5 278.3 263.1: 354.2 15.7' 18.2 27.8: 153.8: 28.3
BASIC MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC MT1740 MT1741 MT1742 MT1743 MT1744 MT1744 MT1745 MT1746 MT1747 MT1748 MT1749	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket Wool pile Glass Bead Interlock U-groove roller	each each each each each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34	98.5 120.3 2331.1; 1428.7' 526.39 1525.4; 1037.74 637.56 278.3 263.1; 354.20 27.88 153.8; 28.34 113.34
BASIC MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746 MT1747 MT1748 MT1749 MT1750	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket Wool pile Glass Bead Interlock U-groove roller Touch lock Fastener Nut	kg kg kg sqm m m each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1677 BASIC IPVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746 MT1747 MT1748 MT1749 MT1750 MT1751	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket Wool pile Glass Bead Interlock U-groove roller Touch lock Fastener Nut Aluminium Track	kg kg kg sqm m m each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1675 MT1676 MT1676 MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746 MT1747 MT1748 MT1749 MT1750 MT1751 MT1752	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket Wool pile Glass Bead Interlock U-groove roller Touch lock Fastener Nut Aluminium Track Aluminium Reinforcement	kg kg kg sqm m m each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03 92.94	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03 92.94	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03 92.94	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03 92.94
BASIC Steel F MT1670 MT1671 MT1672 MT1673 MT1674 MT1676 MT1676 MT1677 BASIC MPVC W MT1740 MT1741 MT1742 MT1743 MT1744 MT1745 MT1746 MT1747 MT1747 MT1748 MT1749 MT1750 MT1751	Plates, angles and channels Single Clip Double clip Adjustable span ESO+SI Adjustable telescopic prop(3m) Beam clamp Column clamp Prop 2 m RATE: uPVC WINDOWS Vindows Accessories Window Frame Sash (Plain White) Window Glass Sash Wire mesh sash Wire mesh EPDM Gasket Wool pile Glass Bead Interlock U-groove roller Touch lock Fastener Nut Aluminium Track	kg kg kg sqm m m each each each each	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03	98.51 120.32 2331.15 1428.77 526.39 1525.45 1037.74 637.56 278.30 263.12 354.20 15.77 18.26 27.88 153.82 28.34 113.34 18.22 87.03	98.5 120.3 2331.1: 1428.7' 526.39 1525.4: 1037.74 637.50 278.30 263.1: 354.20 15.7' 18.20 27.89 153.8: 28.34 113.34 18.22 87.00

Units

Sq.m

Sq.m

Sq.m

Sq.m

Sq.m

322.00

312.00

300.00

276.00

600.00

453.42

428.23

279.89

257.50

671.73

PL

GP

S/J

TH

503.80

478.61

302.28

279.89

694.12

453.42

428.23

279.89

257.50

671.73

Description

MT2012 Coral Stone Finished 40mm Thk. Colour

MT2016 Kerb (Edging) Stone 100mm Thk.

MT2013 Coral Stone Finished 40mm Thk. Ash Grey

MT2014 Chequered tiles, Paver tiles. 25mm Thk. Colour

MT2015 Chequered tiles, Paver tiles. 25mm Thk. Ash Grey

Code

- /						
BASIC R	ATE: GEOTEXTILE MATERIALS					
Non Wove	en Geotextile					
	Non Woven Geotextile	Sqm	48.00	52.00	45.00	60.0
BASIC R	ATE: INTERLOCKING PAVER BLOCKS					
Interlocki	ng Paver Blocks, Tiles, Kerb					
MT2000	Interlocking Paver Block (Zig Zag) 80mm Thk. Colour	Sq.m	527.00	624.49	624.49	686.9
	C	•				
M112001	Interlocking Paver Block (Zig Zag) 80mm Thk. Ash Grey	Sq.m	496.00	593.26	593.26	655.7
MT2002	Interlocking Paver Block (Zig Zag, Tri-Hex, Brook, Cosmic) 60mm Thk. Colour	C	465.00	562.04	562.04	624.4
W112002		Sq.m	403.00	302.04	302.04	024.4
MT2003	Interlocking Paver Block (Zig Zag, Tri-Hex, Brook, Cosmic) 60mm Thk. Ash Grey	Sq.m	343.00	530.81	530.81	686.9
W112003	Interlocking Paver Block (Tri-Hex, Brook, Cosmic) 40mm Thk.	Sq.III	343.00	330.61	330.61	080.5
MT2004		Sq.m	418.00	468.36	468.36	530.8
	Interlocking Paver Block (Tri-Hex, Brook, Cosmic) 40mm Thk. Ash	•				
MT2005	Grey	Sq.m	380.00	437.14	437.14	499.5
MT2006	Rectangular Paver Block 60mm Thk Colour	Sq.m	368.00	425.43	425.43	470.2
MT2007	Rectangular Paver Block 60mm Thk Ash Grey	Sq.m	345.00	403.04	403.04	447.8
MT2008	Rectangular Paver Block 40mm Thk Colour	Sq.m	322.00	403.04	403.04	447.8
MT2009	Rectangular Paver Block 40mm Thk Ash Grey	Sq.m	299.00	380.65	380.65	425.4
MT2010	Coral Stone Finished 60mm Thk. Colour	Sq.m	384.00	478.61	478.61	528.9
MT2011	Coral Stone Finished 60mm Thk. Ash Grey	Sq.m	360.00	453.42	453.42	503.8
	· · · · · · · · · · · · · · · · · · ·	1		-		

SECTION 2 Mechanical Transportation Costs

CARRIAGE OF MATERIALS - MECHANICAL TRANSPORT INCLUDING LOADING, UNLOADING AND STACKING 1. HILL ROADS

				Rate Per Km/unit								
Sl.no	Materials	Unit	Quantity payable	1 km	2km	3km	4 km	5 km	beyond 5 upto 10 km for every km	beyond 10 upto 20 km for every km	beyond 20 for every km	
		1		3	4	5	6	7	8	9	10	
1	Lime, moorum, building rubbish	cu.m	100%	190.67	206.35	221.71	236.36	250.37	14.62	13.22	11.27	
2	Dry earth	cu.m	80%	238.33	257.94	277.13	295.45	312.96	18.28	16.53	14.08	
3	Manure or Sludge	cu.m	95%	200.70	217.21	233.37	248.80	263.55	15.39	13.92	11.86	
4	Excavated Rock	cu.m	50%	381.33	412.70	443.41	472.73	500.74	29.24	26.44	22.53	
5	Sand, stone aggregates of less than 40 mm size	cu. m	100%	228.80	247.62	266.05	283.64	300.44	17.54	15.87	13.52	
6	Stone aggregates of more than 40 mm size	cu.m	92.50%	247.35	267.70	287.62	306.63	324.80	18.97	17.15	14.62	
7	Stone boulders	cu.m	85%	269.18	291.32	313.00	333.69	353.46	20.64	18.66	15.91	
8	Bricks	1000 nos	100%	572.00	619.05	665.12	709.09	751.11	43.86	39.66	33.80	
9	Tiles	1000 nos	100%	381.33	412.70	443.41	472.73	500.74	29.24	26.44	22.53	
10	Cement	tonne	100%	143.00	154.76	166.28	177.27	187.78	10.97	9.92	8.45	
11	GI, CI Pipes	tonne	100%	163.43	176.87	190.03	202.60	214.60	12.53	11.33	9.66	
12	Concrete	tonne	100%	163.43	176.87	190.03	202.60	214.60	12.53	11.33	9.66	
13	Steel	tonne	100%	143.00	154.76	166.28	177.27	187.78	10.97	9.92	8.45	
14	Bitumen	tonne	100%	254.22	275.13	295.61	315.15	333.83	19.49	17.63	15.02	
15	Timber	cu.m	100%	152.53	165.08	177.36	189.09	200.30	11.70	10.58	9.01	

NOTE: For manual transportation, refer the LMC (CIVIL) - 2021 and SBRW

CARRIAGE OF MATERIALS - MECHANICAL TRANSPORT INCLUDING LOADING, UNLOADING AND STACKING

2. PLAIN ROADS

				Rate Per Km/unit								
Sl.no	Materials	Unit	Quantity payable	1 km	2km	3km	4 km	5 km		beyond 10 upto 20 km for every km	beyond 20km for every km	
		1		3	4	5	6	7	8	9	10	
1	Lime, moorum, building rubbish	cu.m	100%	187.20	200.52		225.66	237.53	10.36	9.35	8.31	
2	Dry earth	cu.m	80%	234.00	250.65	266.67	282.08	296.91	12.96	12.96	10.39	
3	Manure or Sludge	cu.m	95%	197.05	211.08	224.56	237.54	250.03	10.91	9.85	8.75	
4	Excavated Rock	cu.m	50%	374.40	401.05	426.67	451.32	475.06	20.73	18.71	16.63	
	Sand, stone aggregates of less than 40 mm size	cu.m	100%	224.64	240.63	256.00	270.79	285.04	12.44	11.23	9.98	
6	Stone aggregates of more than 40 mm size	cu.m	92.50%	242.85	260.14	276.76	292.75	308.15	13.45	12.14	10.79	
7	Stone boulders	cu.m	85%	264.28	283.09	301.18	318.58	335.34	14.63	13.21	11.74	
8	Bricks	1000 nos	100%	561.60	601.57	640.00	676.98	712.59	31.09	28.06	24.94	
9	Tiles	1000 nos	100%	374.40	401.05	426.67	451.32	475.06	20.73	18.71	16.63	
10	Cement	tonne	100%	140.40	150.39	160.00	169.25	178.15	7.77	7.02	6.24	
11	GI, CI Pipes	tonne	100%	160.46	171.88	182.86	193.42	203.60	8.88	8.02	7.13	
12	Concrete	tonne	100%	160.46	171.88	182.86	193.42	203.60	8.88	8.02	7.13	
13	Steel	tonne	100%	140.40	150.39	160.00	169.25	178.15	7.77	7.02	6.24	
14	Bitumen	tonne	100%	249.60	267.36	284.44	300.88	316.71	13.82	12.47	11.09	
15	Timber	cu.m	100%	149.76	160.42	170.67	180.53	190.02	8.29	7.48	6.65	

NOTE: For manual transportation, refer the LMC (CIVIL) - 2021 and SBRW

SECTION 3 - Built Up Rates

Code	Description	Units	PL	GP	SJ	TH
Chapter 1:	DISMANTLING & DEMOLITION WORK					
Concre	t e					
DD0001	Demolishing cement concrete 1:3:6 & richer, including disposal of materials within 50m lead	cu.m	1088.67	1088.67	1088.67	1088.67
DD0002	Demolishing cement concrete 1:4:8 & leaner, including disposal of materials within 50m lead	cu.m	674.30	674.30	674.30	674.30
DD0003	Demolishing reinforced concrete, including stacking steel bars and disposal of rubbish within 50m lead	cu.m	1587.05	1587.05	1587.05	1587.05
Lime conci	rete					
DD0004	Demolishing lime concrete and disposal of rubbish within 50m lead	cu.m	286.29	286.29	286.29	286.29
Stone Maso	onry					
Demolishin	ng stone rubble masonry including stacking useful material	s & disp	osal of rubbi	sh within 50	m lead	
DD0005 DD0006	In lime mortar In cement mortar	cu.m	414.37 847.58	414.37 847.58		414.37 847.58
Dismantlin lead	g dressed ashlar face stone work including stacking useful	material	ls & disposal	of rubbish w	vithin 50m	
DD0007 DD0008	In lime mortar In cement mortar	cu.m	527.38 1017.10	527.38 1017.10		527.38 1017.10
Removing	mortar from stones, cleaning stones and concrete articles,	and arra	nging in stac	ks		
DD0009 DD0010	In lime mortar In cement mortar	cu.m	436.70 484.66	436.70 484.66		436.70 484.66
Brick & Ho	ollow Block Masonry					
DD0011	Demolishing hollow block masonry including stacking useful materials & disposal of rubbish within 50m lead	cu.m	1538.83	1538.83	1538.83	1538.83
DD0012	Demolishing reinforced brickwork, including stacking steel bars and disposal of rubbish within 50m lead	cu.m	1422.05	1422.05	1422.05	1422.05
DD0013	Extra for scraping, cleaning, straightening reinforcement from R.C & reinforced brick work	kg	4.35	4.35	4.35	4.35
DD0014	Extra for cutting reinforcement bars in reinforced cement concrete and reinforced brickwork(payment to be made for the cross sectional area of RCC or RB work)	sq.m	452.04	452.04	452.04	452.04

Code	Description	Units	PL	GP	SJ	TH			
Demolishir	ng brick work including stacking useful materials & disposa	l of rub	bish within 5	0m lead					
DD0015	In mud mortar	cu.m	244.86	244.86	244.86	244.86			
DD0016	In lime mortar	cu.m	290.06	290.06	290.06	290.06			
DD0017	In cement mortar	cu.m	715.73	715.73	715.73	715.73			
Removing Mortar from bricks and cleaning bricks including stacking useful materials within 50m lead									
DD0018	From BW in mud mortar	1000#	1649.21	1649.21	1649.21	1649.21			
DD0019	From BW in lime mortar	1000#	1904.61	1904.61	1904.61	1904.61			
DD0020	From BW in cement mortar	1000#	2392.93	2392.93	2392.93	2392.93			
Steel Work	(
Dismantlin	g steelwork in single sections including dismembering and	stacking	within 50m	lead					
DD0021	In RS joists	kg	1.28	1.28	1.28	1.28			
DD0022	In channels, angles, tees and flats	kg	1.13	1.13	1.13	1.13			
DD0023	Dismantling steelwork in built up sections in channels,	kg	2.64	2.64	2.64	2.64			
	angles, tees and flats in all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead								
DD0024	Dismantling steelwork in built up sections without dismembering and stacking within 50 m lead	kg	2.26	2.26	2.26	2.26			
Wood w	ork								
DD0025	Dismantling wood work of sectional area 40 sq.cm and above in frames, trusses (<10m span) including stacking within 50m lead	cu.m	1168.65	1168.65	1168.65	1168.65			
DD0026	Dismantling wood work of sectional area <40 sq.cm in frames, trusses including stacking within 50m lead	m	103.64	103.64	103.64	103.64			
DD0027	Extra for dismantling trusses, rafters, purlins etc. of every additional span of 1 metre or part thereof for span >10m (sectional area > 40sq.cm)	cu.m	226.11	226.11	226.11	226.11			
DD0028	Extra for dismantling trusses, rafters, purlins etc. every additional span of 1metre or part thereof>10m (sectional area < 40sq.cm)	m	1.04	1.04	1.04	1.04			
DD0029	Dismantling doors, windows, and clerestory windows <3sq.m (steel, wood) including architrave, hold fasts, stacking within 50m lead	each	184.44	184.44	184.44	184.44			
DD0030	Dismantling doors, windows and clerestory windows >3sq.m (steel\wood) including architrave, hold fasts, and stacking within 50m lead	each	251.38	251.38	251.38	251.38			
DD0031	Taking out doors, windows and clerestory windows shutters <3sq.m (steel, wood) including stacking within 50m lead	each	69.83	69.83	69.83	69.83			
DD0032	Taking out doors, windows and clerestory window shutters >3sq.m (steel or wood) including stacking within 50m lead	each	163.18	163.18	163.18	163.18			

Code	Description	Units	PL	GP	SJ	TH
Floorin	g					
DD0040	Dismantling wooden flooring including stacking useful materials & disposal of rubbish within 50m lead	sq.m	73.88	73.88	73.88	73.88
DD0041	Dismantling dry brick patching in floors, drains etc including stacking useful materials & disposal of rubbish within 50m lead	cu.m	470.88	470.88	470.88	470.88
DD0042	Dismantling stone slab flooring laid in cement mortar including stacking useful materials & disposal of rubbish within 50m lead	sq.m	97.62	97.62	97.62	97.62
DD0043	Dismantling jack arch roofing and floors including stacking useful materials & disposal of rubbish within 50m lead	sq.m	94.18	94.18	94.18	94.18
Roofing						
DD0045	Dismantling G.I sheets including ridges, hips, valleys, gutters & stacking materials within 50m lead	sq.m	82.46	82.46	82.46	82.46
DD0046	Dismantling tiled roofing with batten boarding etc. complete including stacking useful materials & disposal of rubbish within 50m lead	sq.m	84.78	84.78	84.78	84.78
Metal wo	r k					
DD0050	Dismantling expanded metal, fabrics & battens, beading including stacking useful within 50m lead	sq.m	35.33	35.33	35.33	35.33
Fencing						
DD0055	Dismantling barbed wire, flexible wire including making rolls & stacking within 50m lead	kg	16.57	16.57	16.57	16.57
DD0056	Dismantling steel fence posts, struts & earth work\demolishing of concrete and stacking within 50m lead	each	157.27	157.27	157.27	157.27
DD0057	Dismantling R.C.C fence posts, struts including earth work\demolishing concrete footings, stacking, 50m lead	each	187.18	187.18	187.18	187.18
DD0058	Cutting ballies\wooden posts at ground or projection above concrete & stacking within 50m lead	each	47.09	47.09	47.09	47.09
Ceiling	& Cladding					
DD0065	Dismantling cement A.C, celotex, hardboard ceiling, partition, including stacking useful materials & disposal rubbish within 50m	sq.m	28.46	28.46	28.46	28.46
DD0066	Dismantling of ekra wall in cement mortar 1:6 or richer including stacking useful materials & disposal of rubbish within 50m lead	sq.m	49.18	49.18	49.18	49.18
DD0067	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish within 50m lead	sq.m	18.84	18.84	18.84	18.84

Code	Description	Units	PL	GP	SJ	TH			
Pipes									
Dismantling of old S.W pipes including breaking joints, bed concrete, stacking of useful materials & disposal of rubbish within 50m lead									
DD0075	100mm dia	m	40.31	40.31	40.31	40.31			
DD0076 DD0077	150mm dia 200mm dia	m	44.45 47.46						
ו 1000	200mm dia	m	47.40	47.40	47.40	47.40			
	g CI pipes including excavation and refilling trenches after lead and making into blocks, stacking of pies at site and dis	_			•	oints,			
DD0078	Up to 150 mm dia	m	104.15	104.08	3 104.17	104.24			
DD0079	From 150 mm up to 300 mm	m	164.46			164.66			
DD0080	Above 300 mm dia	m	286.67	286.00	285.98	288.08			
Dismantling of G.I or HDPE pipes of diameter 100mm to 250mm including breaking bed concrete, clamps, etc. and stacking of useful materials & disposal of rubbish within 50 m lead									
DD0085	G.I Pipes	m	36.54	36.54	36.54	36.54			
DD0086	H.D.P.E Pipes	m	48.22	48.22	48.22	48.22			
Precast Wa	alls								
	g of precast concrete or stone slabs in walls, partition walls thin 50 m lead	s etc. inc	luding stacki	ing of useful	materials &	disposal of			
DD0090	Up to 40 mm thiskness	6 .6.122	112.37	112.37	112.37	112.37			
DD0090 DD0091	Up to 40 mm thickness Above 40 mm thickness and up to 74mm thickness	sq.m sq.m	166.16			166.16			
	Theore to that the kness and up to 7 than the kness	54.111	100.10	100.10	100.10	100.10			
Roads									
DD0095	Dismantling water bound macadam road including stacking of useful materials & disposal of rubbish within 50 m lead	sq.m	84.38	84.38	84.38	84.38			
DD0096	Dismantling bituminous road including cutting, stacking of useful materials & disposal of rubbish within 50 m lead	sq.m	13.00	13.00	13.00	13.00			
Cisterns									
DD0100	Dismantling of flushing cistern of any size including stacking of useful materials & disposal of rubbish within 50 m lead	no	349.58	349.58	349.58	349.58			

Code	Description	Units	PL	GP	SJ	TH
Chapter 2	CLEARING AND GRUBBING					
Clearii	ig Grass					
CG0001	Clearing grass including removal of rubbish within 50m of site	sq.m	3.99	3.99	3.99	3.99
CG0002	Clearing jungle including uprooting of vegetation & trees of girth < 300mm & disposal within 50m of the site	sq.m	12.62	12.62	12.62	12.62
Felling Tr	ees (Manually)					
_	es including cutting of trunks and branches, removal of roothin 50m lead	ots, stack	ing of servic	eable materia	ls and dispo	esal of
CG0010	Girth 300 to 600mm	each	117.76	117.76	117.76	117.76
CG0011	Girth 600 to 1200m	each	531.15	531.15	531.15	531.15
CG0012	Girth 1200 to 2400	each	2472.11	2472.11	2472.11	2472.11
CG0013	Girth > 2400mm	each	4944.22	4944.22	4944.22	4944.22
Felling Tr	ees (Dozer)					
Felling of stacking)	rees including removal of roots and disposal of rubbish usi	ng bull d	lozer (exclud	ing cutting of	f trunks, bra	inches &
CG0020	Girth 300 to 600mm	Each	62.25	62.25	62.25	62.25
CG0021	Girth 600 to 1200m	Each	250.78	250.78	250.78	251.38
CG0022	Girth 1200 to 2400	Each	501.56	501.56	501.56	502.77
CG0023	Girth > 2400m	Each	916.65	916.65	916.65	919.07
Landslide	Debris					
CG0030	Clearing grass, removal of landslide debris & surface material including excavation & disposal within 50m lead	cu.m	85.13	85.13	85.13	85.13

Code	Description	Units	PL	GP :	SJ	TH	
Chapter 3:	EARTH WORK						
Excava	tion (Manually)						
Surface drelead and 1.	essing of ground, including removal of vegetations and ine 5m lifts	qualities ·	< 150mm dee	ep, disposal o	f rubbish wi	thin 50m	
EW0001 EW0002	Ordinary Soil Hard Soil	sq.m sq.m	12.77 17.93	12.77 17.93	12.77 17.93	12.77 17.93	
Ploughing	the existing ground to a depth 150mm to 250mm, and wat	ering the	same				
EW0010 EW0011	Ordinary Soil Hard Soil	sq.m sq.m	4.72 11.30	4.72 11.30	4.72 11.30	4.72 11.30	
Earth work in surface excavation, depth <300mm, width >1.5m, area >10 Sq.m in plan, including disposal of excavated earth within 50m lead & 1.5m lift and disposed soil to be neatly dressed							
EW0020 EW0021	Ordinary Soil Hard Soil	sq.m sq.m	23.58 32.96	23.58 32.96	23.58 32.96	23.58 32.96	
Earth work in excavation over areas, depth >300mm, width >1.5m, area >10 Sq.m on plan, including disposal of excavated earth within 50m lead and 1.5m lift & disposed soil to be neatly dressed							
EW0030	Ordinary Soil	cu.m	162.02	162.02	162.02	162.02	
EW0031	Hard Soil	cu.m	209.56	209.56	209.56	209.56	
EW0032	Ordinary rock with or without blasting	cu.m	636.73	636.73	636.73	637.08	
EW0033	Hard rock requiring blasting Hard rock requiring chiselling (where blasting is	cu.m	868.79	868.79	868.79	869.50	
EW0034	prohibited)	cu.m	1393.71	1393.71	1393.71	1393.71	
Extra for e	very additional lead of 25m beyond 50m up to 250m and o	leposit to	a level up to	1.5m (Manu	al)		
EW0035	All Kinds of Soil	cu.m	48.97	48.97	48.97	48.97	
Extra for e	very additional lead of 250m beyond 50m up to 1000m an	d deposit	to a level up	to 1.5m (Med	chanical)		
EW0040	All Kinds of Soil	cu.m	81.24	81.24	81.24	81.24	
Mechanica	d Excavation						
Earth worl	in excavation over areas by Excavator including levelling	g and dre	ssing				
EW0046	All kinds of Soil	cu.m	65.33	65.33	65.33	65.33	
EW0047	All kinds of rocks (blasted)	cu.m	68.96	68.96	68.96	68.96	
Blastin	g Operation						
Blasting of	rocks complete excluding the cost of collection and stacki	ng of blas	ted rock				
EW0055	Ordinary rock	cu.m	85.27	85.27	85.27	85.61	
EW0056	Hard rock	cu.m	170.54	170.54	170.54	171.21	
Silent E	laster						

Code	Description	Units	PL	GP	SJ	TH			
	f rocks using non-explosive blaster (silent blaster) in over a								
including s	tacking of boulders or useful materials and disposal of rubb	ish etc.	complete						
EW0065	Ordinary rock	cu.m	4743.47	4770.81	4832.52	4810.55			
EW0065 EW0066	Hard rock	cu.m	4957.43		5046.49	5024.51			
Breaking of rocks using non-explosive blaster (silent blaster) in foundation trenches width <1.5m, area <10sq.m on plan including stacking of boulders or useful materials and disposal of rubbish etc. complete									
EW0075	Ordinary rock	cu.m	4812.79	4840.13	4901.84	4879.86			
EW0076	Hard rock	cu.m	5070.44	5097.79	5159.50	5137.52			
Excavation	& Banking								
Earth work	k in rough excavation & banking of excavated earth in layer	rs < 200	mm in deptl	n for road, flo	ood/guide ba	nks &			
	s, including watering, power rolling, dressing, lead upto 50n			,	8				
EW0085	All Kinds of Soil	cu.m	239.50	239.50	239.50	239.50			
Ranking ev	cavated earth for road, flood banks, guide banks & depress	sions in	lavers <200	mm denth, in	cluding wate	ring			
_	ressing up within 50m lead & 1.5m lift	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	anyers 2001	mm ucpin, m	ciuding water	,,g,			
EW0096	All Kinds of Soil	cu.m	157.26		157.26	157.26			
EW0097	Deduction - for not rolling with power roller in layered banking works	cu.m	26.90	26.90	26.90	26.90			
EW0098	Deduction - for not watering in layered, banking works	cu.m	8.02	8.02	8.02	8.02			
Trenches E	xcavation								
Excavation	in foundation trenches or drains not exceeding 1.5m in wid	lth or a	rea 10 sa.m c	on plan, inclu	ding dressin	o &			
	lisposal of surplus soil within 50m lead & 1.5m lift		· · · · · · · · · · · · · · · · · · ·	p.u,	wg w. 000,	5 ~~			
EW0105	Ordinary Soil	cu.m	172.83		172.83	172.83			
EW0106	Hard Soil	cu.m	221.50		221.50	221.50			
EW0107	Ordinary rock with or without blasting	cu.m	681.12		681.12	681.60			
EW0108	Hard rock requiring blasting	cu.m	970.85		970.85	972.06			
EW0109	Hard rock requiring chiselling (where blasting is prohibited)	cu.m	1410.50	1410.50	1410.50	1410.50			
Extra for e	very additional lift of 1.5m or part thereof								
EW0115	All kinds of soils	cu.m	18.84	18.84	18.84	18.84			
EW0116	All kinds of rocks	cu.m	33.53	33.53	33.53	33.53			
Extra for to	rench, pit works per cu.m per m depth								
EW0125	Under water	cu.m	58.30	58.30	58.30	58.30			
EW0126	In foul conditions	cu.m	55.38		55.38	55.38			

Code	Description	Units 1	PL	GP	SJ	TH			
Excava	tion/Refilling for Pipes/Cables								
	vation and refilling in layers < 200mm, of trenches for pip depth upto 1.5m, disposal of surplus material within lead			_	sing of sides	/ ramming			
EW0135 EW0136	Pipes, cables etc. 80mm < dia < 300mm Pipes, cables etc. dia.>300 mm	m m	241.91 377.59	241.91 377.59	241.91 377.59	241.91 377.59			
Hand excavation and refilling in layers < 200mm, of trenches for pipes & sockets, cables, including dressing of sides/ ramming of bottom, depth upto 1.5m, disposal of surplus material within lead of 50m: Ordinary rock with or without blasting									
EW0155	Pipes, cables etc. 80mm < dia < 300mm	m	943.34	943.34	943.34	943.91			
EW0156	Pipes, cables etc. dia.> 300mm	m	1085.47	1085.47	1085.47	1086.13			
	vation and refilling in layers < 200mm, of trenches for pip depth upto 1.5m, disposal of surplus material within lead			_	_	/ ramming			
EW0165	Pipes, cables etc. 80mm < dia < 300mm	m	1282.34	1282.34	1282.34	1283.75			
EW0166	Pipes, cables etc. dia.> 300mm	m	1475.63	1475.63	1475.63	1477.25			
of bottom,	vation and refilling in layers < 200mm, of trenches for pip depth upto 1.5m, disposal of surplus material within lead requiring chiselling (where blasting is prohibited)		es, cables, in	icidumg di es	or sides	, , , , , , , , , , , , , , , , , , , 			
EW0175	Pipes, cables etc. 80mm < dia < 300mm	m	1796.72	1796.72	1796.72	1796.72			
EW0176	Pipes, cables etc. dia.> 300mm	m	2067.65	2067.65	2067.65	2067.65			
Extra for e	excavating trenches for pipes, cables etc., 1.5 < depth < 3m								
EW0185	All kinds of Soils	m	501.30	501.30	501.30	501.30			
EW0186	All kinds of Rocks	m	2584.56	2584.56	2584.56	2584.56			
Filling	or bedding								
EW0195	Filling of trenches, sides of foundations etc. in layers <200mm using selected excavated earth, ramming etc. within lead 50 m & lift 1.5m	cu.m	111.32	111.32	111.32	111.32			
EW0196	Providing &laying sand bedding, including watering, ramming, dressing	cu.m	744.63	782.29	648.19	1420.17			
EW0197	Providing &laying dry earth bedding, including consolidating each deposited layer by watering, ramming and dressing	cu.m	214.11	213.12	213.30	213.30			
Timber	ing for Trenches & cuts								
Open timb	ering over areas including lagging & strutting of trenches	, cuts (per	sq.m face ar	ea timbered))				
EW0205	Depth not exceeding 1.5m	sq.m	146.19	154.67	163.63	152.59			
EW0206	1.5 m < depth < 3 m	sq.m	150.76	159.23	168.19	157.15			
EW0207	Depth $> 3 \text{ m}$	sq.m	158.79	167.26	176.22	165.18			

Code	Description	Units	PL (GP S.	J ′	ГН		
Close timbe	ering over areas including lagging & strutting of trenches,	cuts (pe	r sq.m face ar	ea timbered)				
EW0215	Depth not exceeding 1.5m	sq.m	408.16	433.60	458.86	424.96		
EW0216	1.5m < depth < 3m	sq.m	420.04	445.48	470.74	436.85		
EW0217	3m < depth < 4.5m	sq.m	431.88	457.33	482.58	448.69		
Close timbering including lagging & strutting of shafts, wells, cess pits, manholes (per sq.m face area timbered								
EW0225	Depth not exceeding 1.5m	sq.m	371.75	393.74	416.30	387.35		
EW0226	1.5m < Depth < 3m	sq.m	387.41	409.40	431.96	403.01		
EW0227	3m < Depth < 4.5m	sq.m	404.24	426.23	448.80	419.84		
D. Was	•							
De-Wat	ering							
EW0235	Pumping out water caused by springs, river, seepage, broken water mains, drains, and alike	cu.m	134.46	134.46	134.46	134.46		
Anti-Te	rmite Treatment							
EW0240	Providing and injecting chemical emulsion for Preconstruction anti-termite treatment using aldrin emulsifiable 0.5% concentration	sq.m	149.45	153.02	153.03	153.71		
Providing a	and injecting chemical emulsion for Post-construction, usin	ıg aldrin	emulsifiable (0.5% concentr	ation			
EW0245	Along outside of foundation	m	377.41	380.98	380.98	381.66		
EW0245 EW0246	Along external walls below concrete \ masonry apron	m	289.98	290.58	290.58	290.69		
EW0247	Under existing floors including drilling & plugging 12mm	sq.m	509.24	510.03	510.03	510.18		
E W 0247	holes with mortar 1:2	5 q .111	309.24	310.03	310.03	310.16		
EW0248	Voids in masonry including drilling holes at 45 degree & plugging with cement mortar 1:2)	m	319.63	320.01	320.01	320.08		
EW0249	Woodwork (using chemical in oil or kerosene based solution) including drilling & plugging 6mm holes	m	315.89	316.00	316.00	316.03		

Bhutan Schedule of Rates - 2021									
Code	Description	Units	PL	GP	SJ	TH			
Chapter 4: DRAINAGE									
Plinth	Protection								
Providing	and laying Plinth Protection and grouted with fine sand	mix includ	ling well ram	nmed, finishi	ng the top sm	ooth			
DR0001	With 50mm thick cement concrete 1:3:6, 20mm aggregated laid over 75mm thick layer of compacted gravel (40mm)	s, sq.m	386.57	385.52	396.81	441.61			
DR0002	With 50mm thick cement concrete 1:3:6, 20mm gravel or shingles laid over 75mm thick layer of compacted gravel (40mm)	sq.m	363.63	369.86	363.63	439.84			
DR0003	With 50mm thick cement concrete 1:3:6, 20mm aggregate laid over 75mm thick layer of compacted dry brick aggregate(40mm)	, sq.m	532.95	525.50	542.61	608.29			
DR0004	With 50mm thick cement concrete 1:3:6, 20mm gravel or shingles laid on 75mm thick layer of compacted dry brick aggregate(40mm)	sq.m	509.71	508.44	517.33	572.11			
Open S	urface Drains								
thick conc	ing second class brick masonry open surface drain in cemorete bed 1:5:10, 40mm aggregate and 25mm thick cement 12mm cement plastering 1:4 with a floating coat of neat co	concrete	1:2:4,12 mm	aggregate fo	or filling hau	nches			
DR0010	100mm wide x 200mm depth	m	598.99	589.80	600.77	753.50			
DR0010	150mm wide x 200mm depth	m	628.42		630.60	788.77			
DR0012	250mm wide x 300mm depth	m	868.40	854.20	871.10	1093.91			
DR0013	300mm wide x 450mm depth	m	1293.52	1261.67	1294.93	1652.11			
	additional depth of brick masonry drain								
DR0020	100mm wideper metre additional depth	m	1833.46		1832.44	2378.62			
DR0021 DR0022	150mm wideper metre additional depth 250mm wideper metre additional depth	m m	1842.34 1859.39		1841.31 1858.36	2387.50 2404.55			
Constructing random rubble masonry open surface drain in cement mortar 1:6 including earth work in excavation, 100mm thick concrete base 1:5:10, 40 mm aggregate 25mm thick cement concrete 1:2:4, 12mm aggregate for filling haunches, including 20mm cement plaster with a floating coat of neat cement and disposal of surplus earth									
DR0030	100mm widex 200mm depth	m	1007.99	1029.02	1019.24	1175.45			
DR0031	150mm wide x 200mm depth	m	1036.41	1057.44	1048.02	1209.51			
DR0032	250mm wide x 300mm depth	m	1379.25		1395.09	1606.82			
DR0033	300mm wide x 450mm depth	m	2659.92	2745.07	2692.39	3103.92			
Extra for a	additional depth of random rubble masonry drain								
DR0040	100mm wideper metre additional depth	m	3008.05	3102.42	3046.00	3462.04			
DR0041	150mm wideper metre additional depth	m	3016.69	3111.06	3054.64	3470.68			
DD0042	250		2022.00	2120.24	2071 02	2407.07			

3033.98

m

3128.34

3071.93

DR0042

250mm wideper metre additional depth

3487.97

Code	Description	Units	PL	GP	SJ	TH
Stonew	are Pipe Drains & Fittings					
Providing, complete	laying and jointing glazed Stone Ware pipe	s with stiff mixture of co	ement morta	r 1:3 includi	ng testing of	joints
DR0047	100mm dia.	m	395.48	401.31	402.80	401.52
DR0048	150mm dia.	m	782.57	795.40	798.64	794.66
DR0049	200mm dia.	m	1282.33	1304.69	1310.39	1302.42
Providing, complete	laying and jointing glazed Stone Ware pipe	s with stiff mixture of co	ement morta	r 1:1 includi	ng testing of	joints
DR0050	100mm dia.	m	404.07	410.22	412.12	412.14
DR0051	150mm dia.	m	795.46	808.77	812.64	810.51
DR0052	200mm dia.	m	1299.34	1322.33	1328.87	1323.33
DR0053	230mm dia.	m	1571.94	1599.99	1607.85	1600.65
DR0054	250mm dia.	m	1752.47	1783.89	1792.75	1784.54
DR0055	300mm dia.	m	2148.22	2187.20	2198.22	2188.51
DR0056	350mm dia.	m	2564.73	2611.78	2625.23	2615.30
DR0057	400mm dia.	m	2988.93	3044.16	3060.05	3048.92
DR0058	500mm dia.	m	3850.07	3921.92	3942.17	3924.30
DR0059	600mm dia.	m	4583.26	4669.30	4693.45	4670.92
Providing concrete b	and laying cement concrete 1:5:10, 40mm ag	gregates encasing Stone	e Ware pipes	including 15	50mm	
DR0060	100mm dia S.W pipe	m	623.44	624.14	625.24	770.51
DR0061	150mm dia S.W pipe	m	667.95	668.71	669.89	825.53
DR0062	200mm dia S.W pipe	m	767.30	768.17	769.52	948.31
Providing concrete b	& laying cement concrete 1:5:10, 40mm aggred	regates upto haunches o	f S.W pipes	including 15	0mm	
DR0070	100mm dia. S.W pipe	m	417.91	418.38	419.12	516.50
DR0070	150mm dia. S.W pipe	m	459.00	459.52	460.33	567.29
DR0072	200mm dia. S.W pipe	m	534.42	535.03	535.97	660.50
Providing masonry c	& fixing square mouth S.W gully-trap A-gra	de including C.I gratin	g, C.I. cover	with frame (of 300 x 300 i	mm, brick
DR0080	100 x 100mm P Type	each	2282.27	2372.56	2319.23	2708.82
DR0081	150 x 100mm P or S Type	each	2374.19	2351.81	2432.64	3367.00
DR0082	180 x 150mm P or S Type	each	2577.64	2668.16	2627.13	3061.51

Code	Description	Units	PL	GP	SJ	TH			
R.C.C Pip	es & Fittings								
Providing of joints etc. of	& laying NP2 class R.C.C pipes, including collars, jointing omplete	in cemer	nt mortar 1:2	2 including t	esting of				
DR0088	100mm dia	m	578.03	586.56	548.76	612.29			
DR0089	150mm dia	m	737.48	802.73	637.36	819.42			
DR0090	225mm dia.	m	1014.41	1054.03	971.95	1231.22			
DR0091	300mm dia.	m	1200.61	1217.85	1180.20	1436.92			
DR0092	450mm dia.	m	1652.77	1735.96	1619.97	1947.16			
DR0093	600mm dia.	m	2253.35	2489.66		2845.26			
DR0094	750mm dia.	m	3194.12			3769.95			
DR0095	900mm dia.	m	4131.31			4528.27			
DR0096	1050mm dia.	m	5232.60			6127.30			
DR0097	1200mm dia.	m	9034.68			9568.43			
SPIGOT &	SPIGOT & SOCKET TYPE RCC PIPE (NP-3 CLASS)								
U	and laying Non Pressure NP-3 class (Medium duty) R.C.C. he proportion of 1:2 (1 cement : 2 fine sand) including test			• •	h stiff mixtur	e of cement			
DR0220	450 mm dia NP-3 spigot & socket	m	1894.42	1882.55	2269.65	2075.13			
DR0221	600 mm dia NP-3 spigot & socket	m	2727.87			3016.52			
DR0222	900 mm dia NP-3 spigot & socket	m	4558.85	4564.33	5563.09	5049.76			
DR0223	1000 mm dia NP-3 spigot & socket	m	5117.67	5293.37	6322.85	5852.89			
DR0224	1200 mm dia NP-3 spigot & socket	m	7813.63	8114.35	9096.38	8964.31			
Manhol	e s								
1:4:8 40mm	ng Brick masonry manhole in cement mortar 1:5, R.C.C to n aggregates, 12mm plaster in CM 1:3 finished with floatin 2:4 20mm aggregates, neatly finished complete								
DR0105	Inside dimension 900 x 800mm & 450mm deep including C.I. cover & frame (weight >38 kg)	each	9307.15	8991.16	8676.33	11163.43			
DR0106	Inside dimension 900 x 800mm & 600mm deep including C.I. cover & frame (weight >38 kg)	each	10003.24	9653.93	9364.62	12164.37			
DR0107	Inside dimension 1200 x 900mm & 900mm deep including C.I. cover & frame weight >116 kg)	each	21745.20	21449.43	19437.32	25408.53			
Extra for a	dditional depth of manholes								
DR0115	900 x 800mm	m	6174.37	5947.06	6146.32	8329.21			
DR0116	1200 x 900mm	m	7385.05			9954.50			

Code	Description	Units	PL	GP	SJ	TH
Chapter 5:	MORTARS					_
Cement	Mortar					
MR0001	Cement mortar 1:1 (1 cement : 1 sand)	cu.m	8762.76	9083.85	9375.26	11052.70
MR0002	Cement mortar 1:2 (1 cement : 2 sand)	cu.m	6285.13	6517.07	6647.65	8132.64
MR0003	Cement mortar 1:3 (1 cement : 3 sand)	cu.m	5047.11	5234.53	5284.52	6674.24
MR0004	Cement mortar 1:4 (1 cement : 4 sand)	cu.m	4042.04	4191.95	4192.63	5438.66
MR0005	Cement mortar 1:5 (1 cement : 5 sand)	cu.m	3500.84	3630.57	3604.69	4773.35
MR0006	Cement mortar 1:6 (1 cement : 6 sand)	cu.m	3036.97	3149.38	3100.74	4203.08
Lime M	ortar					
MR0010	Lime mortar 1:2 (1 lime putty : 2 Brick Powder)	cu.m	10118.86	11580.76	13632.99	14469.04
MR0011	Lime Mortar 1:1:1 (1 Lime putty: 1 Brick Powder: 1 Sand	cu.m	10522.00	14350.71	9619.02	14518.35
Mud M	ortar					
MR0015	Mud mortar	cu.m	548.46	547.28	547.49	547.49
White Cen	ent Mortar					
MR0020	White Cement mortar 1:2 (1 white cement : 2 sand)	cu.m	27559.25	27402.44	28797.51	28732.96
MR0021	White Cement mortar 1:2 (1 white cement : 2 sand) White Cement mortar 1:3 (1 white cement : 3 sand)	cu.m	20869.57	20766.26		
MR0022	White Cement mortar 1:5 (1 white cement : 5 sand) White Cement mortar 1:5 (1 white cement : 5 sand)	cu.m	13092.57	13045.58		14056.48
Cement Li	me Mortar					
MR0025	Camont lime morter 1:1.2 (1 agment : 1 lime mutter: 2 agment	011 112	9364.32	11820.61	9080.13	12766.14
	Cement lime mortar 1:1:3 (1 cement : 1 lime putty : 3 sand)	cu.m				
MR0026	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 sand)	cu.m	6337.20	7889.04	6104.38	8810.53

Code Description Units PL GP SJ TH

Chapter 6: CONCRETE WORK

Plain Cement Concrete

Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level.

CW0001	1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm	cu.m	7043.62	7110.01	7447.10	8665.75
CW0002	nominal size) 1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm	cu.m	5417.23	5426.09	5682.54	6661.50
	nominal size)					
CW0003	1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	cu.m	4869.40	4847.62	5079.89	6003.63
CW0004	1:2:4 (1 cement : 2 sand : 4 graded crushed rock 40 mm	cu.m	4872.40	4898.52	5036.94	6012.80
	nominal size)					
CW0005	1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm	cu.m	4223.47	4168.97	4366.14	5195.85
CW0006	nominal size) 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 40 mm	cu.m	4111.24	4119.35	4200.71	5095.15
C W 0000	nominal size)	Cu.III	7111.27	7117.55	4200.71	3093.13
CW0007	1:3:6 (1 cement : 3 sand : 6 graded gravel/shingles 40 mm	cu.m	3635.75	3724.62	3767.96	4379.46
CTT 10 0 0 0	nominal size)		• • • • • • •	• • • • • •		
CW0008	1:4:8 (1 cement : 4 sand : 8 graded crushed stone 40 mm nominal size)	cu.m	3608.47	3600.05	3663.18	4522.11
CW0009	1:4:8 (1 cement : 4 sand : 8 graded crushed stone 50 mm	cu.m	3638.94	3604.87	3748.88	4372.85
	nominal size)					
CW0010	1:4:8 (1 cement : 4 sand : 8 graded gravel/shingles 40 mm	cu.m	3110.08	3185.04	3207.57	3775.28
CW0011	nominal size) 1:5:10 (1 cement : 5 sand : 10 graded crushed stone 40 mm	cu.m	3245.73	3228.84	3276.89	4061.26
CWOOTI	nominal size)	Cu.III	3243.73	3220.04	3270.07	4001.20
CW0012	1:5: 10 (1 cement : 5 sand : 10 graded crushed stone 50 mm	cu.m	3254.40	3212.82	3338.69	3896.97
CW0012	nominal size)		2756 41	2010 12	2020 (7	2225 17
CW0013	1:5:10 (1 cement : 5 sand : 10 graded gravel/shingles 40 mm nominal size)	cu.m	2756.41	2819.12	2829.67	3335.17
	mm nommar size;					

Providing and laying in position plain cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centering and shuttering

CW0020	1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm nominal size)	cu.m	7540.71	7607.09	7944.18	9162.83
CW0021	1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)	cu.m	5915.44	5924.15	6180.78	7159.97
CW0022	1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	cu.m	5366.48	5344.71	5576.97	6500.71
CW0023	1:2:4 (1 cement : 2 sand : 4 graded crushed rock 40 mm nominal size)	cu.m	5273.33	5299.61	5437.84	6413.49
CW0024	1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm nominal size)	cu.m	4625.52	4571.02	4768.19	5597.90
CW0025	1:3:6 (1 cement : 3 sand : 6 graded crushed rock 40 mm nominal size)	cu.m	4513.29	4521.40	4602.76	5497.20
CW0026	1:3:6 (1 cement : 3 sand : 6 graded gravel/shingles 40 mm nominal size)	cu.m	4037.80	4126.67	4170.01	4781.51

CW0051 1.3.6 (1 cement : 2 sand : 6 graded crushed rock 20 mm cu.m 6276.81 6244.39 6447.33 7441.10 morninal size) Providing and fixing at or near ground level pre-cast cement concrete in kerbs, edgings etc. as per approval pattern and setting in position with cement mortar 1.3 (1 cement : 3 sand) cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0060 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 6629.92 6623.21 6859.08 7895.90 morninal size) Providing and fixing upto floor five level pre-cast cement concrete solid block including hoisting and setting in position with cement mortar 1.3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0070 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 7326.34 7338.38 7579.24 8755.10 morninal size) CW0071 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 6954.34 6575.12 6781.38 7864.66 morninal size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement and size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement and size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement and size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement and size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement and size) Providing and fixing upto floor five level pre-cast cement concrete hollow block inclu	Code	Description	Units	PL	GP S	SJ	TH
window silks, shelves, louvers, steps, staircases etc. including hoisting and setting in position with cement mortar 1:3 (I cement: 3 sand) cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0050 1:2:4 (I cement: 2 sand: 4 graded crushed rock 20 mm cu.m 6950.49 6947.03 7196.64 8213.60 nominal size) Providing and fixing at or near ground level pre-cast cement concrete in kerbs, edgings etc. as per approval pattern and setting in position with cement mortar 1:3 (I cement: 3 sand) cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0060 1:2:4 (I cement: 2 sand: 4 graded crushed rock 20 mm cu.m 6629.92 6623.21 6859.08 7855.90 nominal size) Providing and fixing upto floor five level pre-cast cement concrete solid block including hoisting and setting in position with cement mortar 1:3 (I cement: 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0070 1:2:4 (I cement: 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0070 1:2:4 (I cement: 2 sand: 4 graded crushed rock 20 mm cu.m 7326.34 7338.38 7579.24 8755.11 comminal size) CW0071 1:3:6 (I cement: 3 sand: 6 graded crushed rock 20 mm cu.m 6595.43 6575.12 6781.38 7864.6 nominal size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (I cement: 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (I cement: 2 sand: 4 graded crushed rock 20 mm cu.m 6595.43 6575.12 6781.38 7864.6 nominal size) CW0080 1:3:6 (I cement: 3 sand: 6 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.3 nominal size) CW0080 1:3:6 (I cement: 3 sand: 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.2 nominal size) CW	Pre-cast C	ement Concrete					
CW0051 1:3:6 (1 cement: 3 sand: 6 graded crushed rock 20 mm cu.m 6276.81 6244.39 6447.33 7441.10 nominal size)	window sil	lls, shelves, louvers, steps, staircases etc. including hoisting	g and settin	g in position	with cement	t mortar 1:3	(1 cement
Providing and fixing up to floor five level pre-cast cement concrete solid block including hoisting and setting in position with 6 mm thick cement mortar 1:3 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 6629.92 6623.21 6859.08 7895.91 nominal size) Providing and fixing up to floor five level pre-cast cement concrete solid block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0070	CW0050	•	cu.m	6950.49	6947.03	7196.64	8213.60
thick cement plaster on exposed surface complete CW0060 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 6629.92 6623.21 6859.08 7895.91 nominal size) Providing and fixing upto floor five level pre-cast cement concrete solid block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0070 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 7326.34 7338.38 7579.24 8755.11 nominal size) CW0071 1:3:6 (1 cement : 3 sand) is graded crushed rock 20 mm cu.m 6595.43 6575.12 6781.38 7864.6 nominal size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0071 1:2:4 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.31 nominal size) CW0081 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.31 nominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.76 CW00130 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four	CW0051	1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm	cu.m	6276.81	6244.39	6447.33	7441.16
Providing and fixing upto floor five level pre-cast cement concrete solid block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0070 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 7326.34 7338.38 7579.24 8755.14 nominal size) CW0071 1:3:6 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement nominal size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.30 nominal size) CW0081 1:3:6 (1 cement : 3 sand) : 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.21 nominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.71 (2000) CW0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.66 Extra Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.0	setting in p	position with cement mortar 1:3 (1 cement : 3 sand) cost of				_	
cement mortar 1:3 (I cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0070 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 7326.34 7338.38 7579.24 8755.10 nominal size) CW0071 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 6595.43 6575.12 6781.38 7864.64 nominal size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.30 nominal size) CW0081 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.22 nominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.76 cm (2 cm) with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.66 Extra Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CCW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00	CW0060	•	cu.m	6629.92	6623.21	6859.08	7895.90
CW0071 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 6595.43 6575.12 6781.38 7864.66 nominal size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.36 nominal size) CW0081 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.25 nominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.76 CW0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.66 Extra Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2.4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00	cement mo	ortar 1:3 (1 cement : 3 sand) including the cost of required		_	_		
CW0071 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 6595.43 6575.12 6781.38 7864.66 nominal size) Providing and fixing upto floor five level pre-cast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.34 nominal size) CW0081 1:3:6 (1 cement : 3 sand) : 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.21 nominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.74 CW0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.65 Extra Extra for laying cement concrete work CW0135 Cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 EXTRA CEMENTAL STANDARD ST	CW0070		cu.m	7326.34	7338.38	7579.24	8755.10
cement mortar 1:3 (1 cement : 3 sand) including the cost of required formwork and finishing smooth with 6 mm thick cement plaster on exposed surface complete CW0080 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm cu.m 4951.76 4954.86 5098.28 5773.36 nominal size) CW0081 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.22 nominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.76 cm 20091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.66 extra Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 874.86 CM0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.02	CW0071	1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm	cu.m	6595.43	6575.12	6781.38	7864.64
nominal size) CW0081 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.22 common cominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.70 cw0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.66 E x t r a Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.02	cement mo	ortar 1:3 (1 cement : 3 sand) including the cost of required		_	_		
CW0081 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm cu.m 4507.49 4490.85 4614.71 5227.2: nominal size) Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.76 CW0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.66 Extra Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.02	CW0080		cu.m	4951.76	4954.86	5098.28	5773.30
Lime Concrete Providing and laying lime concrete, with 40 % mortar comprising of 1:1:1 lime mortar, in footings and bases for columns excluding cost of formwork CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.76 CW0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.66 E x t r a Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.03	CW0081	1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm	cu.m	4507.49	4490.85	4614.71	5227.22
CW0090 With graded stone aggregate of 40 mm cu.m 6067.29 7544.28 5672.07 7938.70 CW0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.64 Extra a Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.05		erete					
CW0091 with graded brick aggregate of 40 mm cu.m 7403.35 8888.52 6909.31 9384.64 Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.05			of 1:1:1 lim	e mortar, in	footings and	bases for co	olumns
Extra for laying cement concrete work CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00	CW0090	With graded stone aggregate of 40 mm	cu.m	6067.29	7544.28	5672.07	7938.70
CW0135 Cement concrete work in super-structure above floor five cu.m 8% of the rates worked out for respective items level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00	CW0091	with graded brick aggregate of 40 mm	cu.m	7403.35	8888.52	6909.31	9384.64
CW0135 Cement concrete work in super-structure above floor five level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00		aving coment concrete work					
level for each four floors or part thereof CW0136 In or under water, mud, including the cost of pumping or cu.m 787.00 793.35 801.69 826.0 bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00	Extra ior i	aying cement concrete work					
bailing out water and removing slush etc. completeper metre depth (concrete not leaner than 1:2:4) CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00	CW0135	level for each four floors or part thereof	cu.m	8% of the r	ates worked o	-	ctive items
CW0137 Cement concrete work under foul conditions cu.m 874.86 874.86 874.86 874.86 CW0140 Providing and mixing water-proofing materials in in the cu.m 1565.48 1454.53 2117.02 1977.00	CW0136	bailing out water and removing slush etc. completeper	cu.m	787.00	793.35	801.69	826.01
	CW0137		cu.m	874.86	874.86	874.86	874.86
	CW0140	Providing and mixing water-proofing materials in in the					1977.03

Code	Description	Units	PL	GP	SJ	TH			
Chapter 7:	DAMP-PROOFING								
Concret	te Course								
Providing a	and laying damp-proof course with cement concrete 1:2:4,	12.5mm	aggregate						
DP0001 DP0002	25mm thick 40mm thick	sq.m sq.m	178.36 252.98						
Providing a	Providing and laying damp-proof course with cement concrete 1:2:4, 20mm aggregate								
DP0010	50mm thick	sq.m	302.93	302.51	313.82	358.51			
Bitumin	Bituminous Coatings								
DP0015	Applying a coat of hot bitumen (maxphalt 80\100 or equivalent) using 1.7 kg per sq.m including the surface cleaning	sq.m	132.97	132.89	132.82	152.39			
Moistur	e Barriers								
Providing a	and laying moisture barrier using plastic sheeting underlay	7							
DP0020 DP0021 DP0022	50 micro-metre 100 micro-metre 200 micro-metre	sq.m sq.m sq.m	14.60 16.75 25.76	17.83	16.70	19.25			
Providing a	and laying Bitumen felt Type 3 in wall bases etc.								
DP0030	Grade 2	sq.m	234.59	234.59	194.92	241.73			

Code	Description	Units !	PL	GP	SJ	TH
Chapter 8:	REINFORCED CONCRETE					
Concre	ting Items					
_	& laying in position reinforced cement concrete excluding t plinth level	he cost of	f centering,	shuttering a	nd reinforce	ment - all
RC0001	1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm nominal size)	cu.m	7099.32	7165.70	7502.79	8721.44
RC0002	1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm	cu.m	5472.93	5481.79	5738.23	6717.20
RC0003	nominal size) 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	cu.m	4925.09	4903.32	5135.58	6059.32
_	& laying in position reinforced cement concrete work in ware piers, abutments etc. upto floor five level excluding the cos			_	-	ers
RC0005	1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm	cu.m	7089.04	7155.43	7492.52	8711.17
RC0006	nominal size) 1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm	cu.m	5462.65	5471.51	5727.96	6706.92
RC0007	nominal size) 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	cu.m	4874.57	4852.79	5085.06	6008.80
_	& laying in position reinforced cement concrete work in pli upto floor five level excluding the cost of centering, shutter		_		columns , pill	ars, posts
RC0009	1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm nominal size)	cu.m	7177.58	7243.97	7581.06	8799.71
RC0010	1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)	cu.m	5551.19	5560.05	5816.50	6795.46
RC0011	1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	cu.m	5003.35	4981.58	5213.85	6137.59
_	& laying in position reinforced cement concrete work in sus- alconies, shelves and chajjas upto floor five level excluding	_				
RC0013	1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm nominal size)	cu.m	7343.83	7410.21	7747.30	8965.95
RC0014	1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)	cu.m	5717.43	5726.29	5982.74	6961.70
RC0015	1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	cu.m	5169.60	5147.82	5380.09	6303.83
_	& laying in position reinforced cement concrete work in beaupto floor five level excluding the cost of centering, shutteri		_		sills, stairca	ses, spiral
RC0017	1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm	cu.m	7172.69	7239.08	7576.16	8794.81
RC0018	nominal size) 1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)	cu.m	5546.30	5555.16	5811.61	6790.57

Providing & la cost of centering RC0020 1: RC0021 1: RC0022 1: RC0022 1: RC0022 1: RC0023 1: RC0024 1: RC0025 1: RC0026 1: RC0026 1: RC0027 1: RC0027 1: RC0028 1:	22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) sying in position reinforced cement concrete work in kerney, shuttering and reinforcement 21:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm ominal size) 21:5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size) 22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) sying in position reinforced cement concrete work in arconditional size) 21:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm ominal size) 21:3 (1 cement : 1 sand : 3 graded crushed rock 20 mm ominal size) 22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 23:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 24:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size)	cu.m cu.m cu.m cu.m cu.m cu.m	7172.69 5546.30 4998.46 arch ribs up 9024.87 7398.48 6850.64	7239.08 5555.16 4976.69	7576.16 5811.61 5208.95	8794.81 6790.57 6132.70 ng the cost 10647.00 8642.75
Cost of centering RC0020 1: RC0021 1: RC0022 1: RC0022 1: RC0023 1: RC0024 1: RC0025 1: RC0025 1: RC0026 1: RC0026 1: RC0027 1: RC0028 1:	and reinforcement 21:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm ominal size) 21:5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size) 22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) Asying in position reinforced cement concrete work in arconuttering and reinforcement 21:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm ominal size) 21:5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size) 22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 22:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 23:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 24:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 25:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size)	cu.m cu.m cu.m cu.m cu.m cu.m	7172.69 5546.30 4998.46 arch ribs up 9024.87 7398.48 6850.64	7239.08 5555.16 4976.69 oto floor five 9091.26 7407.34	7576.16 5811.61 5208.95 level excludi 9428.35 7663.79	8794.81 6790.57 6132.70 ng the cost 10647.00 8642.75
RC0021 1: RC0022 1: RC0022 1: no Providing & la of centering, sh RC0023 1: RC0024 1: RC0025 1: no Providing & la than 15° upto f RC0026 1: RC0027 1: RC0028 1:	cominal size) 1.5:3 (1 cement: 1.5 sand: 3 graded crushed rock 20 mm ominal size) 1.2:4 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) 1.5:3 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) 1.5:4 (1 cement: 1 sand: 2 graded crushed rock 20 mm ominal size) 1.5:5 (1 cement: 1.5 sand: 3 graded crushed rock 20 mm ominal size) 1.5:4 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) 1.5:5 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) 1.5:5 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) 1.5:5 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) 1.5:5 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size)	cu.m cu.m cu.m cu.m cu.m	5546.30 4998.46 arch ribs up 9024.87 7398.48 6850.64	5555.16 4976.69 oto floor five 9091.26 7407.34	5811.61 5208.95 level excludion 9428.35 7663.79	8794.81 6790.57 6132.70 ing the cost 10647.00 8642.75 7984.88
RC0021 1: RC0022 1: no Providing & la of centering, shade	e1.5:3 (1 cement: 1.5 sand: 3 graded crushed rock 20 mm ominal size) e2:4 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) exping in position reinforced cement concrete work in arc nuttering and reinforcement e1:2 (1 cement: 1 sand: 2 graded crushed rock 20 mm ominal size) e1.5:3 (1 cement: 1.5 sand: 3 graded crushed rock 20 mm ominal size) e2:4 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) e2:4 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) e2:4 (1 cement: 2 sand: 4 graded crushed rock 20 mm ominal size) exping in position reinforced cement concrete work in dor	cu.m cu.m cu.m cu.m	4998.46 arch ribs up 9024.87 7398.48 6850.64	4976.69 oto floor five 9091.26 7407.34	5208.95 level excludion 9428.35 7663.79	6132.70 ng the cost 10647.00 8642.75
RC0022 1: no Providing & la of centering, sh RC0023 1: RC0024 1: RC0025 1: no Providing & la than 15° upto f RC0026 1: RC0027 1: RC0028 1:	2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) sying in position reinforced cement concrete work in arcuttering and reinforcement 11:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm ominal size) 11.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size) 12:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 12:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 13:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 14:5 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size)	cu.m cu.m cu.m	9024.87 7398.48 6850.64	9091.26 7407.34	9428.35 7663.79	10647.00 8642.75
of centering, shape of centering, shape of centering, shape of the RC0023 1: RC0024 1: RC0025 1: RC0026 1: RC0026 1: RC0027 1: RC0028 1:	nuttering and reinforcement 11:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm ominal size) 11.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size) 12:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) 12:4 (1 rement : 2 sand : 4 graded crushed rock 20 mm ominal size) 13:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size)	cu.m cu.m cu.m	9024.87 7398.48 6850.64	9091.26 7407.34	9428.35 7663.79	10647.00 8642.75
RC0024 1: RC0025 1: nc Providing & la than 15° upto f RC0026 1: RC0027 1: RC0028 1:	ominal size) :1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size) :2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) sying in position reinforced cement concrete work in dor	cu.m cu.m mes, vau	7398.48 6850.64	7407.34	7663.79	8642.75
RC0024 1: RC0025 1: nc Providing & la than 15° upto f RC0026 1: RC0027 1: RC0028 1:	:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size) :2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) sying in position reinforced cement concrete work in dor	cu.m mes, vau	6850.64			
RC0025 1: no Providing & la than 15° upto f RC0026 1: no RC0027 1: no RC0028 1:	2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size) sying in position reinforced cement concrete work in done	mes, vau		6828.87	7061.14	7984.88
RC0026 1: RC0027 1: RC0028 1:						
RC0027 1: nc RC0028 1:	floor five level excluding the cost of centering, shuttering	g and re		-	nd roofs havi	ng more
RC0027 1: no RC0028 1:	:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm ominal size)	cu.m	8980.77	9043.52	9392.89	10642.45
RC0028 1:	1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm	cu.m	7286.80	7296.07	7557.34	8555.72
	ominal size) 2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm ominal size)	cu.m	6729.16	6706.94	6943.84	7886.03
0	ying in position reinforced cement concrete work in vers and eaves boards - upto floor five level excluding the c				•	0
	:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm ominal size)	cu.m	6211.18	6219.40	6484.00	7505.69
Tradition	al Cornices					
	raditional Cornices in R.C.C 1:1.5:3, 20 mm aggregate in the exposed surface with cement mortar 1:3 as per stanting.		_			•
	ingle Storied building, including Phana	m	2754.44	2762.96	2780.38	2812.44
	Iulti-Storied buildingat floor 2 level including the cost of langlag and at other floors where Lhanglag is provided	m	2786.52	2794.75	2811.75	2843.55
	Iulti-Storied building at all middle floor levels	m	3485.78	3500.36	3534.87	3609.97
RC0033 Pl RC0034 Li	excluding the cost of phana)	m	1651.13 1679.13	1653.39 1683.12	1657.07 1690.78	1665.41 1702.29

Code	Description	Units	PL	GP	SJ	TH
	pe Traditional Cornices in R.C.C 1:2:4, 20 mm aggregate in er on the exposed surface with cement mortar 1:3 as per suppainting					
RC0040 RC0041	Single Storied building, including Phana Multi-Storied buildingat floor 2 level and at other floors where Lhanglag is provided including the cost of lhanglag	m m	2733.65 2766.02	2741.16 2773.24		
RC0042	Multi-Storied building at all middle floor levels (excluding the cost of phana)	m	3811.43	3823.69	3856.03	3925.67
RC0043 RC0044	Phana Lintel cornice (only cornice portion at external face)	m m	1647.27 1670.85	1649.34 1674.43	1652.84 1681.71	1660.73 1692.27
Extra f	For R.C Works					
RC0050	Applying cement slurry on R.C.C slabs using 2.75 kg per sq.m for receiving C.C. floor including roughening, cleaning & dampen the surface	sq.m	33.74	34.53	35.57	38.61
RC0051	Extra for R.C.C work above floor 5 level for every four floors or part thereof, excluding cost of reinforcement	cu.m	8	3% of respect	tive item rate	S
RC0052	Extra for rendering in cement mortar 1:2, the top of suspended floors\landings\staircase treads and risers	sq.m	67.14	67.84	68.23	72.69
RC0053	Rendering smooth finishing of the exposed surface with 6mm thick C.M 1:3	sq.m	149.25	150.60	150.96	160.96
RC0054	Providing throating, plastering drip and moulding to R.C.C chajjas	m	46.81	46.81	46.81	46.81
Precast	t Items					
U	& fixing, below & including floor 2 level, Precast R.C.C jal m dia., including roughening, cleaning, fixing, finishing in c			0		
RC0060	50 mm thick	sq.m	1239.71	1227.53	1331.28	
RC0061 RC0062	40 mm thick 25 mm thick	sq.m sq.m	1090.95 1014.72	1079.14 1003.48	1180.63 1101.57	1175.23 1082.79
	& fixing, below & including floor 2 level, Precast R.C.C 1:: nt plaster 1:3 and formwork, but excluding reinforcement		m aggregate i	including fin	nishing, plast	ering with
RC0070	String courses, copings, bed plates, anchor blocks, plain window sills	cu.m	12354.30	12526.14	12924.69	13776.52
RC0071	Small lintels & joists < 1.5m clear span, shelves	cu.m	11241.90	11394.50		12597.37
RC0072	Joists, span > 1.5m, shelves	cu.m	8980.36	9026.39	9288.30	10351.12
	e i n f o r c e m e n t					
RC0083	Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete	kg	77.38	73.25	70.90	89.38

	Description	Units	PL	GP	SJ	TH
Form w	ork					
Providing	& fixing centering and shuttering (formwork), including st	rutting,	propping etc	. and remov	al of formwor	k
RC0090	Foundation and plinth etc.	sq.m	366.28	379.44	393.30	376.1
RC0091 RC0092	Walls, pilasters, buttresses, string course etc. Lintels, beams, girders, bresummers, cantilevers etc.	sq.m sq.m	848.34 488.29	862.06 503.74		860.6 503.7
RC0093	Columns, pillars, post, struts etc.	sq.m	654.36	670.76		669.5
RC0094	Staircase (except spiral staircase) excluding landing	sq.m	542.94	558.14		553.8
RC0095	Suspended floor, roof, landing, shelves and their supports,	sq.m	855.78	871.05	891.69	873.9
RC0096	balconies, chajias, etc. Spiral stair case excluding landing	sq.m	687.44	701.94	718.39	700.0
RC0097	Arches, curved surfaces	sq.m	2440.00			2467.0
RC0098	Domes, vaults, shell roof	sq.m	2758.26			2828.4
Expans	ion Joints					
Providing	& filling or fixing in position in expansion joints					
RC0105 ິ	Blown bitumen	cu.m	52118.33	51966.78	52224.59	64168.3
RC0106	Bitumen mix filler of proportion 80 kg of hot bitumen, 1 kg of cement and 0.25 cum of sand for expansion joints	cu.m	17910.85	17901.36	17864.26	21403.6
RC0107	12 mm bitumen impregnated fibre board	sq.m	927.96	927.96	927.96	945.2
	and fixing sheet-covering over expansion joints with iron so	rews as	ner design to	o match the	colour shade o	of the
Providing	and fixing sheet-covering over expansion joints with iron so	icusas	Per design of	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	colour simue	J- 1
listemper	or wall treatment	16,115,415				
distemper		m	547.99			583.1
listemper RC0116	or wall treatment					
listemper RC0116 Design Mi Providing	or wall treatment Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of	m nachine centerin	547.99 vibrated M- g, shuttering	538.78 20 design mig and reinfor	534.57 ix cement concement, Incl	583.1 crete for uding
listemper RC0116 Design Mi Providing reinforced admixture without in	or wall treatment Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate a pairing strength and durability as per the direction of the contraction.	m nachine centerin e, retarc	547.99 vibrated M- g, shuttering	538.78 20 design mig and reinfor	534.57 ix cement concement, Incl	583.1 crete for uding
listemper RC0116 Design Mi Providing reinforced admixture without in	or wall treatment Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and recement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate	m nachine centerin e, retarc	547.99 vibrated M- g, shuttering	538.78 20 design mig and reinfor	534.57 ix cement concement, Incl	583.1 crete for uding
listemper RC0116 Design Mi Providing reinforced admixture without in Note: Mix	or wall treatment Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate a pairing strength and durability as per the direction of the contraction.	m nachine centerin e, retarc	547.99 vibrated M- g, shuttering	538.78 20 design mig and reinforencete, imp	534.57 ix cement concement, Incl	583.1 crete for uding lity
distemper RC0116 Design Mi Providing reinforced admixture without in Note: Mix RC0130 RC0131	or wall treatment Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate a pairing strength and durability as per the direction of the design should be done by a qualified engineer All work upto plinth level All work from plinth level to floor five level	m nachine centerin e, retarc engineer	vibrated M- g, shuttering d setting of co 5205.84 5416.73	538.78 20 design mig and reinforoncrete, important 5183.28 5394.16	534.57 fix cement conficement, Include workabil 5421.43 5632.32	583.1 crete for uding lity 6356.3 6567.2
listemper RC0116 Design Mi Providing reinforced admixture without in Note: Mix RC0130 RC0131 RC0132	Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate a pairing strength and durability as per the direction of the design should be done by a qualified engineer All work upto plinth level All work from plinth level to floor five level Walls, Columns, Pillars, posts and struts	m machine centerin e, retarc engineer cu.m	vibrated M- g, shuttering d setting of co 5205.84 5416.73 5517.34	538.78 20 design mig and reinforoncrete, important 5183.28 5394.16 5494.77	534.57 Ex cement conference, Include workabil 5421.43 5632.32 5732.93	583.1 crete for uding lity 6356.3 6567.2 6667.8
distemper RC0116 Design Mi Providing reinforced admixture without in Note: Mix RC0130 RC0131 RC0132	or wall treatment Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate a pairing strength and durability as per the direction of the design should be done by a qualified engineer All work upto plinth level All work from plinth level to floor five level	m machine centerin e, retarc engineer cu.m cu.m	vibrated M- g, shuttering d setting of co 5205.84 5416.73	538.78 20 design mig and reinforoncrete, important 5183.28 5394.16 5494.77	534.57 Ex cement conference, Include workabil 5421.43 5632.32 5732.93	583.1 crete for uding lity 6356.3 6567.2 6667.8
listemper RC0116 Design Mi Providing reinforced admixture without in Note: Mix RC0130 RC0131 RC0132 RC0133	Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate a pairing strength and durability as per the direction of the design should be done by a qualified engineer All work upto plinth level All work from plinth level to floor five level Walls, Columns, Pillars, posts and struts Beams, Plinth beams, girders, bresummers, cantilevers, suspended floors, lintels, roofs and staircases including	machine centerin e, retarc engineer cu.m cu.m cu.m	547.99 vibrated M- g, shuttering l setting of co 5205.84 5416.73 5517.34 5673.68	538.78 20 design mig and reinforoncrete, important 5183.28 5394.16 5494.77	534.57 Ex cement conference, Include workabil 5421.43 5632.32 5732.93	583.1 crete for uding lity 6356.3 6567.2 6667.8
distemper RC0116 Design Mi Providing reinforced admixture without in Note: Mix RC0130 RC0131 RC0132 RC0133	Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate a pairing strength and durability as per the direction of the design should be done by a qualified engineer All work upto plinth level All work from plinth level to floor five level Walls, Columns, Pillars, posts and struts Beams, Plinth beams, girders, bresummers, cantilevers, suspended floors, lintels, roofs and staircases including spiral staircases, shelves etc. duct for providing richer or leaner mixes respectively at all	machine centerin e, retarc engineer cu.m cu.m cu.m	vibrated M- g, shuttering d setting of co 5205.84 5416.73 5517.34 5673.68	538.78 20 design mig and reinforoncrete, important 5183.28 5394.16 5494.77 5651.11	534.57 Ex cement conference, Include workabil 5421.43 5632.32 5732.93 5889.27	583.1 crete for uding lity 6356.3 6567.2 6667.8 6824.2
distemper RC0116 Design Mi Providing reinforced admixture without in Note: Mix RC0130 RC0131 RC0132 RC0133	Aluminium fluted strip 3.15x150mm x Concrete & laying in position machine batched, machine mixed and a cement concrete structural elements, excluding the cost of s in recommended proportions (as per IS 9103) to accelerate pairing strength and durability as per the direction of the design should be done by a qualified engineer All work upto plinth level All work from plinth level to floor five level Walls, Columns, Pillars, posts and struts Beams, Plinth beams, girders, bresummers, cantilevers, suspended floors, lintels, roofs and staircases including spiral staircases, shelves etc.	machine centerin e, retarc engineer cu.m cu.m cu.m	vibrated M- g, shuttering d setting of co 5205.84 5416.73 5517.34 5673.68	538.78 20 design mig and reinforoncrete, important from 5183.28 5394.16 5494.77 5651.11	534.57 Ex cement concement, Include workabil 5421.43 5632.32 5732.93 5889.27	583.1 crete for uding lity 6356.3 6567.2 6667.8 6824.2

Units PL

GP

SJ

TH

Code

Description

Couc	Description	C 22245		01		
Chapter 9:	BRICK WORK					
One-Br	ick Mason ry (250mm)					
Providing &	& laying Second-Class Brick work in Foundation & Plinth					
BW0001	In cement mortar 1:3	cu.m	7076.49	6806.82	7056.71	9619.81
BW0002	In cement mortar 1:4	cu.m	6825.22	6546.18	6783.74	9310.91
BW0003	In cement mortar 1:5	cu.m	6689.92	6405.83	6636.75	9144.59
BW0004	In cement mortar 1:6	cu.m	6573.95	6285.53	6510.77	9002.02
BW0005	In mud mortar	cu.m	5844.11	5527.29	5764.74	7980.40
Extras						
BW0010	Extra for brick work in square or rectangular pillars	cu.m	672.89	672.89	672.89	672.89
BW0011	Extra for brick in circular pillars	cu.m	3167.37	3056.94	3139.76	3912.80
BW0012	Extra for brick work in superstructure above plinth level,	cu.m	331.47	331.47	331.47	331.47
BW0013	up to floor two level Extra for brick work in superstructure above floor two levelper floor	cu.m	124.65	124.65	124.65	124.65
BW0014	Extra for providing hoop iron 25x1.6mm or equivalent reinforcement in masonry at every third course, embedded	sq.m	59.63	84.32	71.79	105.14
BW0015	in cement mortar Extra for mixing water-proofing compound in cement mortar	cu.m	264.36	245.87	356.28	332.95
Half - B	rick Masonry (125mm)					
Providing &	& laying Second-Class Half-brick Masonry (125 mm) in sup	erstruc	ture below flo	oor 2 level		
BW0020	In cement mortar 1:3	sq.m	991.54	955.78	987.36	1305.19
BW0021	In cement mortar 1:4	sq.m	966.41	929.72	960.07	1274.30
Extrasf	or Half-Brick					
BW0030	Extra for half-brick masonry in superstructure above floor 2 levelper floor	sq.m	14.61	14.61	14.61	14.61
BW0031	Extra for mixing water-proofing compound in cement mortar	sq.m	32.12	30.27	41.31	38.98
Brick	M a s o n r y (75 mm)					
BW0032	75mm thick brick masonry (second class bricks) in cement mortar 1:3 in partitions etc. in superstructure below floor 2 level	sq.m	512.20	491.48	510.46	704.38
Extra f	or 75 mm Brick Masonry					
BW0033	Extra for 75mm brick masonry in cement mortar 1:3 in partitions etc. in superstructure above floor 2 levelPer floor	sq.m	14.61	14.61	14.61	14.61

Code	Description	Units	PL	GP	SJ	TH
Traditional	Cornices					
	& laying second class brick work in Bhutan type Tradition ement mortar 1:5, but excluding decorative painting. (Me					
BW0040 BW0041	Floor one level including lhanglag Middle Floor levels excluding phana	m m	1714.83 2591.91	1706.40 2568.94		1816.77 2838.80
Pointin	g					
Pointing on	brickwork with cement mortar 1:3					
BW0050 BW0051 BW0052 BW0053	Flush pointing Ruled pointing Cut, weather struck pointing Raised & cut pointing	sq.m sq.m sq.m sq.m	110.00 120.53 166.40 219.39	121.09 166.97	121.24 167.12	114.88 125.41 171.28 226.88
Interlockin	g Cement Earth Block					
Providing &	& laying ICEB (300mmX150mmX100mm) in Foundation	& Plinth				
BW0060 BW0061 BW0062 BW0063 BW0064	In cement mortar 1:3 In cement mortar 1:4 In cement mortar 1:5 In cement mortar 1:6 In mud mortar	cu.m cu.m cu.m cu.m	7575.32 7341.26 7279.71 7213.57 6855.86	7362.29 7298.62	7358.19 7289.30 7217.45	7770.16 7475.38 7406.75 7325.44 6783.86
Extras						
BW0070 BW0071	Extra for ICEB work in square or rectangular pillars Extra for ICEB work in superstructure above plinth level, up to floor two level	cu.m cu.m	352.61 175.83	352.61 175.83		352.61 175.83
BW0072	Extra for ICEB work in superstructure above floor two levelper floor	cu.m	64.99	64.99	64.99	64.99
Providing &	& laying ICEB(300mmX150mmX100mm) in superstructu	re below f	loor 2 level			
BW0080 BW0081	In cement mortar 1:3 In cement mortar 1:4	sq.m sq.m	1146.40 1138.83	1148.23 1140.37		1151.71 1142.39
Extras						
BW0090	Extra for ICEB work in superstructure above floor 2 levelper floor	sq.m	15.28	15.28	15.28	15.28
Providing &	& laying ICEB (250mmX125mmX100mm) in Foundation	& Plinth				
BW0100 BW0101 BW0102 BW0103	In cement mortar 1:3 In cement mortar 1:4 In cement mortar 1:5 In cement mortar 1:6	cu.m cu.m cu.m cu.m	6985.59 6883.85 6785.82 6779.17	6862.34 6760.65	6859.18 6752.68	7088.26 6963.18 6842.66 6834.49
BW0104	In mud mortar	cu.m	6518.07			

Code	Description	Units	PL	GP	SJ	TH				
Extras	-									
BW0110	Extra for ICEB work in square or rectangular pillars	cu.m	503.83	503.83	503.83	503.83				
BW0111	Extra for ICEB work in superstructure above plinth level,	cu.m	251.22	251.22	251.22	251.22				
	up to floor two level									
BW0112	Extra for ICEB work in superstructure above floor two levelper floor	cu.m	92.84	92.84	92.84	92.84				
Providing &	a laying ICEB(250mmX125mmX100mm) in superstructure	e below	floor 2 level							
BW0120	In cement mortar 1:3	sq.m	959.28	956.78	957.25	968.90				
BW0121	In cement mortar 1:4	sq.m	950.08	947.24	947.25	957.59				
Extras										
BW0130	Extra for ICEB work in superstructure above floor 2 levelper floor	sq.m	18.51	18.51	18.51	18.51				
Concrete H	ollow Block Brick									
Providing &	a laying concrete block brick in Foundation & Plinth									
BW0140	In cement mortar 1:3	cu.m	5888.55	5935.40	5947.90	6825.10				
BW0141	In cement mortar 1:4	cu.m	5637.28			6516.20				
BW0142	In cement mortar 1:5	cu.m	5501.98		5527.94	6349.87				
BW0143	In cement mortar 1:6	cu.m	5386.01	5414.12	5401.96	6207.31				
Concrete So	Concrete Solid Brick									
Providing &	a laying concrete block brick in Foundation & Plinth									
BW0145	In cement mortar 1:3	cu.m	6713.52	7627.22	8109.07	9373.85				
BW0146	In cement mortar 1:4	cu.m	6462.26	7366.58	7836.09	9064.96				
BW0147	In cement mortar 1:5	cu.m	6326.96	7226.23	7689.11	8898.63				
BW0148	In cement mortar 1:6	cu.m	6210.99	7105.93	7563.12	8756.06				
Concrete Po	orous Brick									
Providing &	a laying concrete block brick in Foundation & Plinth									
BW0150	In cement mortar 1:3	cu.m	7773.70	7538.33	7699.72	9107.18				
BW0151	In cement mortar 1:4	cu.m	7522.44	7277.69	7426.75	8798.29				
BW0152	In cement mortar 1:5	cu.m	7387.14	7137.34	7279.76	8631.96				
BW0153	In cement mortar 1:6	cu.m	7271.17	7017.04	7153.78	8489.39				
Extras										
BW0170	Extra for concrete block brick in square or rectangular	cu.m	672.89	672.89	672.89	672.89				
BW0171	pillars Extra for concrete block brick in circular pillars	cu.m	2756.67	2756.67	2756.67	2942.08				
BW0172	Extra for concrete block brick work in superstructure above	cu.m	331.47		331.47	331.47				
	plinth level, up to floor two level									
BW0173	Extra for concrete block brick work in superstructure above floor two levelper floor	cu.m	124.65	124.65	124.65	124.65				
BW0174	Extra, for providing hoop iron 25x1.6mm or equivalent	sq.m	59.63	84.32	71.79	105.14				
01/1	reinforcement in masonry at every third course, embedded in cement mortar	- 4	37.03	31.32	, 1.,,)	100.11				
BW0175	Extra, for mixing water-proofing compound in cement	cu.m	264.36	245.87	356.28	332.95				
	mortar									

Code	Description	Units	PL	GP	SJ	TH
Concrete H	Iollow Block Brick					
Providing 6	& laying concrete Hollow block brick Masonry (190 mm) in	n supers	tructure belo	ow floor 2 lev	vel	
BW0190	In cement mortar 1:3	sq.m	1051.45	1056.13	1057.38	1192.78
BW0191	In cement mortar 1:4	sq.m	1026.32	1030.07	1030.09	1161.89
Concrete P	artition Hollow Block					
Providing	& laying Concrete Partition Hollow Block Masonry (90 mm	n) in sup	erstructure	below floor 2	2 level	
BW0194	In cement mortar 1:3	sq.m	961.39	939.59	983.22	1017.96
BW0195	In cement mortar 1:4	sq.m	936.26	913.52	955.92	987.07
Concrete S	olid Brick					
Providing	& laying Concrete Solid Block Masonry (115 mm) in super	structur	e below floor	· 2 level		
BW0198	In cement mortar 1:3	sq.m	891.22	995.59	1050.81	1191.05
BW0199	In cement mortar 1:4	sq.m	866.09	969.52		1160.16
Concrete P	orous Brick					
Providing	& laying Concrete Porous Brick Masonry (110 mm) in sup	erstruct	ure below flo	or 2 level		
BW0202	In cement mortar 1:3	sq.m	1130.20			1297.97
BW0203	In cement mortar 1:4	sq.m	1105.08	1070.12	1090.55	1267.08
Extras						
BW0220	Extra, for concrete block half-brick masonry in superstructure above floor 2 levelper floor	sq.m	14.61	14.61	14.61	14.61
BW0221	Extra, for mixing water-proofing compound in cement mortar	sq.m	32.12	30.27	41.31	38.98
Pointing						
Pointing or	concrete block brick work with cement mortar 1:3					
BW0230	Flush pointing	sq.m	110.00			114.88
BW0231 BW0232	Ruled pointing Cut, weather struck pointing	sq.m sq.m	120.53 166.40	121.09 166.97		125.41 171.28
BW0233	Raised & cut pointing	sq.m	219.39			226.88
AAC Bloc	k					
	Providing and laying autoclaved aerated cement blocks					
	masonry (AAC blocks) in super structure above plinth level					
DW/0240	up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified	C11 ***	7260.02	7425 00	0776 51	0242 17
BW0240	adhesive mortar all complete as per direction of Engineer-	Cu.m	7260.02	7435.00	8776.54	9243.16
	in-Charge. (The payment of RCC band and reinforcement					
	shall be made separately).					

Code	Description	Units	PL	GP	SJ	TH
Chapter 10	: STONE/MUD					
Ramme	d Mud Work					
SM0001	Constructing rammed mud walls in superstructure including the cost of form work	cu.m	756.59	760.13	765.51	759.82
Random	Rubble Masonry					
Providing &	& laying Random Rubble Masonry with hard stone in foun	dation &	& plinth			
SM0005	In cement mortar 1:4	cu.m	4290.45	4442.80	4361.36	4970.70
SM0006	In cement mortar 1:5	cu.m	4111.86	4257.54	4167.34	4751.15
SM0007	In cement mortar 1:6	cu.m	3958.78	4098.75	4001.04	4562.96
SM0008	Hammer dressed, in mud mortar	cu.m	3252.55	3355.04	3273.45	3471.59
Extras						
SM0015	Extra for random rubble masonry with hard stone in superstructure above plinth, below & including floor 2 level	cu.m	402.80	402.80	402.80	402.80
SM0016	Extra for random rubble masonry with hard stone in superstructure above floor 2 level	cu.m	178.65	178.65	178.65	178.65
SM0017	Extra for random rubble masonry work with hard stone in square or rectangular pillars	cu.m	649.21	649.21	649.21	649.21
SM0018	Extra for random rubble masonry work with hard stone in circular pillars	cu.m	830.92	830.92	830.92	830.92
SM0019	Extra for random rubble masonry work with hard stone for mixing water-proofing materials in cement mortar	cu.m	254.19	236.63	341.52	319.36
Course	d Rubble Masonry					
	&laying Coursed Rubble Masonry with hard stone hamme	r-dresse	d in foundat	ion & plinth		
SM0025	In cement mortar 1:3	cu.m	4966.10	5135.49	5060.66	5695.54
SM0026	In cement mortar 1:4	cu.m	4664.58	4822.72	4733.10	5324.86
SM0027	In cement mortar 1:5	cu.m	4502.22			
SM0027 SM0028	In cement mortar 1:6	cu.m	4363.05			
Extras						
SM0035	Extra for C.R. masonry with hard stone in superstructure above plinth, below & including floor 2 level	cu.m	375.31	375.31	375.31	375.31
	•					
SM0036	Extra for C.R. masonry with hard stone in superstructure above floor 2 level	cu.m	178.65			
SM0037	Extra for C.R masonry with hard stone in square or rectangular pillars	cu.m	474.83	474.83	474.83	474.83
SM0038	Extra for C.R masonry with hard stone in circular pillars	cu.m	1253.06	1285.98	1259.85	1323.26
SM0039	Extra for C.R masonry with hard stone chisel dressed in foundations and plinth	cu.m	99.99	99.99	99.99	99.99
SM0040	Extra for C.R masonry with hard stone chisel dressed in superstructure above plinth, below & including floor 2 level	cu.m	412.59	412.59	412.59	412.59
SM0041	Extra for C.R masonry with hard stone for mixing water- proofing materials	cu.m	305.80	284.54	411.52	384.68

Code	Description	Units	PL	GP	SJ	TH
Dry Ha	nd Packed Rubb le Mason ry					
SM0050	Providing and laying dry hand packed rubble masonry with	cu.m	2430.61	2533.49	2451.83	2649.97
SM0051	stone boulders >0.04Cu.m Providing and laying dry hand packed rubble masonry hammer dressed (facing), with stone-boulder > 0.04 cu.m	cu.m	2622.76	2735.93	2646.10	2864.06
SM0052	Providing and laying dry hand packed rubble masonry chisel dressed (facing) with stone-boulder > 0.04 cu.m	cu.m	2844.05	2957.21	2867.39	3085.35
Stone Mas	onry in Concrete Mortar					
SM0060	Providing and laying with hard stone (average volume 0.008 Cu.m) hand packed stone masonry in cement concrete mortar 1:2:4, 20mm aggregates	cu.m	4287.02	4387.16	4380.19	4873.31
SM0061	Providing & laying with hard stone (average volume 0.008 Cu.m) hand packed stone masonry in cement concrete mortar 1:3:6, 20mm aggregates	cu.m	3996.99	4085.61	4067.89	4534.04
SM0062	Providing and laying hammer dressed stone masonry with hard stone (average volume 0.008 Cu.m) in cement concrete mortar 1:2:4 20mm aggregates	cu.m	4443.64	4554.06	4538.93	5051.86
SM0063	Providing and laying hammer dressed stone masonry with hard stone (average volume 0.008 Cu.m) in concrete mortar 1:3:6 20mm aggregates	cu.m	4209.04	4307.95	4282.07	4768.04
SM0064	Providing and laying rubble masonry chisel dressed (facing) with hard stone (average volume 0.008 cu.m) in concrete mortar 1:2:4 20mm aggregates	cu.m	5239.57	5350.00	5334.86	5847.79
SM0065	Providing and laying rubble masonry chisel dressed (facing) with hard stone (average volume 0.008 cu.m) in concrete mortar 1:3:6 20mm aggregates	cu.m	5004.98	5103.89	5078.00	5563.97
Stone S	Soling Filling & Edging					
SM0070	Providing and laying Hammer dressed dry stone soling	cu.m	1845.56	1958.72	1868.90	2086.86
SM0071	Providing and laying Chisel dressed dry stone soling	cu.m	1959.86	2073.02	1983.20	2201.16
SM0072	Providing and laying Hand packed stone filling or soling	cu.m	1477.67	1580.55	1498.89	1697.03
SM0073	with stones Providing and laying Hammer dressed stone edging 150 x 250 mm with stones including excavation, refilling and disposal of surplus earth within 30 m lead	m	110.96	115.69	111.94	121.05
Stone P	avem ent Hammer Dressed					
_	and laying hammer dressed 150mm thick flat stone pavemede & 250mm deep on both sides, including grouting joints	ent with	hammer dre	ssed stone ed	lging	
SM0080 SM0081	With cement concrete mortar 1:3:6, 12mm aggregate With cement mortar 1:3 With cond or conth ata	sq.m sq.m	537.35 473.96	494.31	478.62	
SM0082	With sand or earth etc.	sq.m	522.98	548.18	527.97	577.90

Code	Description	Units	PL	GP	SJ	TH
Flat St	one (Dolep) Paving					
Providing	& laying hammer dressed flat stone paving in cement mort	tar 1:6 or	ı prepared b	edding (excl	uding the cos	st of
SM0090	20mm	sq.m	2169.27	2169.38	2169.33	2170.44
SM0091	30mm	sq.m	2339.05			2340.21
SM0092	40mm	sq.m	2508.83	2508.94	2508.89	2509.99
Providing	and laying hammer dressed dry dolep paving including pro	eparation	of bed			
SM0093	30mm	sq.m	2336.01			2336.01
SM0094	40mm	sq.m	2505.79	2505.79	2505.79	2505.79
Providing bedding)	& laying all sides chisel dressed flat stone paving in cemen	t mortar	1:6 on prepa	red bedding	g (excluding	the cost of
SM0100	20mm	sq.m	2339.05	2339.16	2339.11	2340.21
SM0101	30mm	sq.m	2508.83	2508.94	2508.89	2509.99
SM0102	40mm	sq.m	2735.20	2735.31	2735.26	2736.36
Providing	and laying chisel dressed dry dolep paving including prepa	ration of	f bed			
SM0103	30mm	sq.m	2505.79			2505.79
SM0104	40mm	sq.m	2732.16	2732.16	2732.16	2732.16
Pointin	g					
Providing	& laying pointing on stone work with cement mortar 1:3					
SM0110	Flush pointing	sq.m	111.98	112.41	112.53	115.72
SM0111	Ruled pointing	sq.m	119.60	120.03	120.14	123.34
SM0112	Raised and cut pointing	sq.m	222.89	223.60	223.79	229.08
Gabion	Work					
Providing	& filling hand-packed stone in G.I mesh 4mm (8swg)includes	ling supp	olying and w	eaving of me	sh complete	
SM0120	Double-knotted mesh100mm	cu.m	2950.70			3693.53
SM0121	Double-knotted mesh150mm	cu.m	2877.01			3447.81
SM0122	Chain-link mesh100mm	cu.m	2810.72	3104.72	2966.24	3488.60
Providing complete.	& filling hand-packed stone in G.I mesh of wire 3.25mm (1	0swg) in	cluding supp	olying of mac	chine woven	mesh
SM0125	Doubly twisted hexagonal mesh 90mm x 100mm opening.	cu.m	3450.85	4028.68	3445.62	4424.55
SM0126	Doubly twisted hexagonal mesh 100mm x 120mm opening.	cu.m	3314.85	3851.64	3311.91	4223.37
Providing complete.	& filling hand-packed stone in G.I mesh of wire 2.64mm (1	2swg) in	cluding supp	olying of mad	chine woven	mesh
SM0127	Doubly twisted hexagonal mesh 90mm x 100mm opening.	cu.m	3139.40	3623.24	3139.40	3963.83
SM0128	Doubly twicted have const most 100	011 ***	2010 07	2166 17	2021.00	2705 (0
	Doubly twisted hexagonal mesh 100mm x 120mm opening.	cu.m	3018.97	3466.47	3021.00	3785.68

Code	Description	Units P	L	GP	SJ	TH			
Precast	Stone Masonry								
Providing &	Providing & laying Precast Stone Masonry blocks (1:5:8) in cement mortar 1:6 in foundation and plinth								
SM0130	30 cms thick	sq.m	1400.11	1384.37	1413.96	1586.85			
SM0131	20 cms thick	sq.m	938.64	927.11	948.12	1063.98			
Providing & level	& laying Precast Stone Masonry blocks (1:5:8) in cement 1	nortar 1:6	in superstri	icture up to	floor two				
SM0140	20 cms thick	sq.m	943.28	931.74	952.75	1068.61			
SM0141	15 cms thick	sq.m	708.01	699.32	715.16	802.12			
SM0142	10 cms thick	sq.m	479.57	473.69	484.31	542.34			
Extra for P	recast Stone Masonry blocks								
SM0150	Extra for Precast Stone Masonry blocks in superstructure above floor two levelper floor	sq.m	109.24	109.24	109.24	109.24			

Code	Description	Units	PL	GP	SJ	TH
Chapter 11	WOOD WORK					
Dressed	Timber Framing					
Providing &	t fixing in position dressed wood work in frames of doors,	windows	s, clerestory	windows and	d other frame	es, wrought
and framed			•			, 3
WW0001	Class 'A' (conifer)	cu.m	26354.88	27402.81		26997.91
WW0003	Class 'B' (conifer)	cu.m	25879.53 25213.60	26927.46 24782.34		26522.54 24764.18
WW0004 WW0005	Class 'A' (broad leaf) Class 'B' (broad leaf)	cu.m	23213.00	24782.34		24704.18
Providing & on unexpose	k fixing Class 'A' (conifer) moulded beading to door, windo ed surfaces	ow fram	es with iron :	screws inclu	ding plugs, p	riming coat
WW0010	50 x 12 mm	m	88.67	89.12	89.87	89.23
WW0011	50 x 20 mm	m	95.95	96.82		96.81
Providing &	t fixing joists, including hoisting, applying wood preservat	ive on u	nexposed sur	faces		
WW0020	Class 'A' (conifer)	cu.m	23055.59	24109.42	25103.25	23720.90
WW0021	Class 'B' (conifer)	cu.m	22580.24	23634.07	24627.93	23245.53
WW0022	Class 'A' (broad leaf)	cu.m	21914.31	21488.94		21487.17
WW0023	Class 'B' (broad leaf)	cu.m	21359.46	20934.51	21427.93	20932.32
Providing &	t fixing Eaves board (225x25mm) with moulding fitted and	l fixed w	ith necessar	y screws		
WW0030	Class 'B' (conifer)	m	176.42	182.50	188.35	180.15
Traditional	Cornices					
including a	making & fixing woodwork dressed in traditional cornices pplying wood preservative on unexposed surfaces, excludant and wall junction line)					
			2507.94	2670.72	2722 22	2660.22
WW0035 WW0036	At floor one level including lhanglag At all other floor levels (excluding phana)	m m	2597.84 3586.12			2660.33 3678.32
WW0030 WW0037	For single-storied structure including phana	m	3112.97			3207.94
WW0038	Phana	m	1536.03	1574.96		1577.69
WW0039	Lintel level	m	2177.50	2253.35		2224.04
Providing &	k fixing traditional wooden Tshegay for windows\railing et	tc. as per	r standard do	esign		
WW0045	In Class 'B' (conifer)	sq.m	3738.90	3770.84	3801.51	3758.50
WW0046	In Class 'A' (conifer)	sq.m	3753.39	3785.32		3772.98
Undressed '	Γimber Framing					
WW0055	Providing & fixing Class 'B' (conifer) (undressed) in wall-	cu.m	22992.22	24040.15	25046.62	23635.23
WW0056	frames etc. Providing & fixing Class 'B' (broad leaf) Wood (undressed) in wall-frames etc.	cu.m	21383.87	20953.04	21459.06	20934.45

Code	Description	Units	PL	GP	SJ	ГН
_	& fixing roof framing, in trusses, purlins, ra	fters, posts, post plates i	ncluding hois	sting, etc. (ex	cluding	
steel items)						
WW0060	Class 'B' (conifer)	cu.m	28412.39	29460.33	30466.80	29055.41
WW0061	Class 'A' (conifer)	cu.m	28887.74	29935.68	30942.11	29530.77
WW0062	Class 'A' (broad leaf)	cu.m	27746.46	27315.20	27821.23	27297.04
WW0063	Class 'B' (broad leaf)	cu.m	27191.61	26760.77	27266.79	26742.19
Providing of	& fixing gussets for timber trusses including	g wood preservative (coa	l tar)			
WW0070	12mm phenolic plywood	sq.m	730.24	668.65	732.37	832.38
Wall and c	eiling Linings					
Providing	and fixing to frames (wall or ceiling) Gypsu	m nlaster hoard includir	og finishing o	f ioints smoo	ath complete	(eveluding
cost of fran	0 , 11	iii piastei board iiiciddii	ig minsming o	i joints smot	th complete	(excluding
WW0080	10 mm thick	sq.m	480.15	513.70	478.52	575.08
WW0081	12 mm thick	sq.m	558.00	562.42	502.27	635.9
WW0082	15 mm thick	sq.m	542.97	559.35	540.05	656.98
Providing (& fixing to frames (wall or ceiling) Class'A'	(conifer) plain lining, to	ongued and g	rooved, inch	ıding necess:	arv
0	ooden plugs and priming coat on unexposed	\ / I	0 0			5
incures, w						
	12 mm thick	sq.m	400.44	411.07	425.13	410.58
WW0090	12 mm thick 20 mm thick	sq.m sq.m	400.44 495.19	411.07 517.15	425.13 538.24	410.58 508.67
WW0090 WW0091 Providing 6		sq.m	495.19	517.15	538.24	508.67
WW0090 WW0091 Providing 6	20 mm thick	sq.m	495.19	517.15	538.24	508.6
WW0090 WW0091 Providing of frames)	20 mm thick	sq.m	495.19	517.15	538.24	508.6° ng cost of
WW0090 WW0091 Providing of frames) WW0100 WW0101	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm	sq.m rticle Board Lining with	495.19 necessary na 613.97 748.13	517.15 nils etc. comp 778.46 749.29	538.24 Diete (excludi 703.04 830.69	508.66 ng cost of 725.39 961.09
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm	sq.m rticle Board Lining with sq.m	495.19 necessary na 613.97 748.13 812.79	517.15 tils etc. comp 778.46 749.29 941.77	538.24 Diete (excludi 703.04 830.69 991.35	508.67 ng cost of 725.39 961.09 1143.68
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm	sq.m rticle Board Lining with sq.m sq.m	495.19 necessary na 613.97 748.13	517.15 nils etc. comp 778.46 749.29	538.24 Diete (excludi 703.04 830.69	508.60 ng cost of 725.39 961.09
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102 WW0103	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m	495.19 necessary na 613.97 748.13 812.79 982.40	517.15 nils etc. comp 778.46 749.29 941.77 1169.25	538.24 plete (excludi 703.04 830.69 991.35 1256.59	508.6° ng cost of 725.39 961.09 1143.66
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102 WW0103 Providing of frame)	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm & fixing Pre-laminated Particle Board Lining	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete	517.15 tils etc. comp 778.46 749.29 941.77 1169.25 (excluding co	538.24 plete (excludi 703.04 830.69 991.35 1256.59 post of	508.66 ng cost of 725.39 961.09 1143.66 1350.1
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102 WW0103 Providing of frame)	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm & fixing Pre-laminated Particle Board Linin 8 mm	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m sq.m	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11	538.24 plete (excludion 703.04 830.69 991.35 1256.59 post of 708.46	508.6° ng cost of 725.39 961.09 1143.68 1350.11
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0103 Providing of frame) WW0110 WW0111	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm K fixing Pre-laminated Particle Board Lining 8 mm 10 mm	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete 899.56 968.62	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11 882.46	538.24 plete (excludi 703.04 830.69 991.35 1256.59 pst of 708.46 795.95	508.6 ng cost of 725.3 961.0 1143.6 1350.1
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0103 Providing of frame) WW0110 WW0111 WW0111	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm & fixing Pre-laminated Particle Board Linin 8 mm	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m sq.m	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11	538.24 plete (excludion 703.04 830.69 991.35 1256.59 post of 708.46	508.6° ng cost of 725.39 961.09 1143.68 1350.11
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0103 Providing of frame) WW0110 WW0111 WW0111 WW0112 WW0113	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm K fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02	517.15 rils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11 882.46 872.37	538.24 plete (excludi 703.04 830.69 991.35 1256.59 pst of 708.46 795.95 865.95	508.6° ng cost of 725.39 961.09 1143.68 1350.11
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0103 Providing of frame) WW0110 WW0111 WW0111 WW0112 WW0113 Cement Bo	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm K fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm 13 mm 14 mm 15 mm 16 mm 17 mm 18 mm 18 mm Inded Particle board & fixing Cement Bonded Particle board (pr	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02 1400.38	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11 882.46 872.37 1186.35	538.24 plete (excludi 703.04 830.69 991.35 1256.59 pst of 708.46 795.95 865.95 982.60	508.63 ng cost of 725.39 961.09 1143.68 1350.13 931.63 1166.32 1013.78
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0103 Providing of frame) WW0110 WW0111 WW0112 WW0113 Cement Bo	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm K fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm 18 mm 18 mm 10 mm 12 mm 18 mm	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02 1400.38	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11 882.46 872.37 1186.35	538.24 plete (excludi 703.04 830.69 991.35 1256.59 pst of 708.46 795.95 865.95 982.60	508.6 ng cost of 725.3 961.0 1143.6 1350.1 931.6 1166.3 1013.7
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102 WW0103 Providing of frame) WW0110 WW0111 WW0112 WW0113 Cement Bonails/screw	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm K fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm 13 mm 14 mm 15 mm 16 mm 17 mm 18 mm 18 mm Inded Particle board & fixing Cement Bonded Particle board (pr	sq.m rticle Board Lining with sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02 1400.38	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11 882.46 872.37 1186.35	538.24 plete (excludication 703.04 830.69 991.35 1256.59 post of 708.46 795.95 865.95 982.60 In necessary 860.48	508.66 ng cost of 725.39 961.09 1143.66 1350.1 931.66 1166.37 1013.79 1255.96
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102 WW0103 Providing of frame) WW0110 WW0111 WW0112 WW0113 Cement Both Providing of frails/screw	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm K fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm 18 mm red ded Particle board fixing Cement Bonded Particle board (pres etc. complete, excluding the cost of frame	sq.m 495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02 1400.38 or wall/ceiling	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11 882.46 872.37 1186.35	538.24 plete (excludication 703.04 830.69 991.35 1256.59 post of 708.46 795.95 865.95 982.60 In necessary	508.66 ng cost of 725.39 961.09 1143.68 1350.11 931.66 1166.32 1013.78 1255.96	
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0102 WW0103 Providing of frame) WW0110 WW0111 WW0112 WW0113 Cement Both providing of mails/screw WW0120 WW0121	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm 8 fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm 18 mm onded Particle board & fixing Cement Bonded Particle board (presetc. complete, excluding the cost of frame 6 mm	sq.m 495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02 1400.38 or wall/ceiling	517.15 tils etc. comp 778.46 749.29 941.77 1169.25 (excluding cc 692.11 882.46 872.37 1186.35	538.24 plete (excludication 703.04 830.69 991.35 1256.59 post of 708.46 795.95 865.95 982.60 In necessary 860.48	508.66 ng cost of 725.39 961.09 1143.68 1350.11 931.66 1166.32 1013.78 1255.96	
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0103 Providing of frame) WW0110 WW0111 WW0111 WW0112 WW0113 Cement Bo	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm & fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm 18 mm 18 mm onded Particle board & fixing Cement Bonded Particle board (presetc. complete, excluding the cost of frame 6 mm 8 mm	sq.m 495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02 1400.38 or wall/ceiling 859.24 896.68	517.15 tils etc. comp 778.46 749.29 941.77 1169.25 (excluding comp 692.11 882.46 872.37 1186.35 g) lining with 856.80 896.33	538.24 plete (excludication of the content of the	508.65 ng cost of 725.39 961.09 1143.68	
WW0090 WW0091 Providing of frames) WW0100 WW0101 WW0103 Providing of frame) WW0110 WW0111 WW0111 WW0112 WW0113 Cement Both providing of mails/screw WW0120 WW0121 WW0121	20 mm thick & fixing to frames (wall or ceiling) Plain Pa 6 mm 10 mm 12 mm 18 mm & fixing Pre-laminated Particle Board Linin 8 mm 10 mm 12 mm 18 mm onded Particle board & fixing Cement Bonded Particle board (pres etc. complete, excluding the cost of frame 6 mm 8 mm 10 mm	sq.m sq.m sq.m sq.m sq.m sq.m sq.m sq.m	495.19 necessary na 613.97 748.13 812.79 982.40 tc. complete (899.56 968.62 1099.02 1400.38 or wall/ceiling 859.24 896.68 998.06	517.15 nils etc. comp 778.46 749.29 941.77 1169.25 (excluding cc 692.11 882.46 872.37 1186.35 g) lining with 856.80 896.33 988.33	538.24 plete (excludication of the content of the	508.66 ng cost of 725.36 961.09 1143.66 1350.1 931.66 1166.37 1013.76 1255.96

Code	Description	Units	PL	GP	SJ	TH
Providing &	k fixing Plywood lining with necessary nails etc. including	beading	complete (ex	cluding cost	of frame)	
			622 5 5	504 5 0	(2 (2 0	((0.10
WW0130	4 mm, commercial	sq.m	633.75	584.76		
WW0131	4 mm, teak	sq.m	751.49	697.71		
WW0132	6 mm, commercial	sq.m	693.94	644.07	712.33	772.67
Providing & of frame)	k fixing Pre-fabricated wall panelling profiles with necessa	ry nails	etc. complet	e but exclud	ing the cost	
WW0140	19 mm, Class 'A' (conifer)	sq.m	1087.21	1070.78	1070.78	1046.12
WW0141	19 mm, Class 'B' (conifer)	sq.m	978.88	964.51	964.51	942.95
WW0142	15 mm, Class 'A' (conifer)	sq.m	985.09	970.60	970.60	948.86
Providing &	k fixing wooden skirting in Class 'B' (conifer) with necessa	ry nails	or screws co	mplete		
WW0150	20 mm	sq.m	1825.84	1844.26	1865.79	1840.77
WW0151	25 mm	sq.m	1906.06	1929.77		
Bamboo	Walling					
WW0160	Danidia - 9. Gain - 75 4bi dan 114 banda 11		940.56	955.04	0.50.00	1010 40
WW0160	Providing & fixing 75mm thick split bamboo wall including grooving frames, 20mm plaster cement mortar 1:4 both sides (excluding cost of frame)	sq.m	840.56	855.04	858.28	1019.49
WW0161	Providing & fixing 75mm thick split bamboo wall	sq.m	816.36	829.93	831.99	989.74
	including grooving frames, 20mm plaster cement mortar 1:5 both sides (excluding cost of frame)					
WW0162	Providing & fixing 75mm thick split bamboo wall	sq.m	795.57	808.36	809.39	964.17
	including grooving frames, 20mm plaster cement mortar					
WW0163	1:6 both sides (excluding cost of frame) Providing & fixing 75mm thick split bamboo wall	sq.m	409.98	417.69	420.91	526.30
	including grooving frames, 20mm mud plaster both sides	•				
WW0164	(excluding cost of frame) Providing & fixing 150mm thick split bamboo wall	ga m	492.78	500.39	503.63	609.02
W W 0104	including grooving frames, 60mm mud plaster both sides	sq.m	492.70	300.39	303.03	009.02
	(excluding cost of frame)					
WW0165	Providing & fixing split Bamboo matting (excluding the cost of framing and beading)	sq.m	107.76	110.26	134.00	134.63
Partitio						
	& fixing Panelled or Panelled-&-Glazed partition, single-ce	ntral-pa	nelling inclu	ding frame	etc.	
complete						
WW0170	100mm framing, 38mm thick Class 'B' (conifer) panelling	sq.m	2585.96	2647.41	2725.62	2633.19
WW0171	75mm framing, 38mm thick Class 'B' (conifer) panelling	sq.m	2438.52	2494.01	2566.48	2482.09
WW0172	100mm framing, 38mm thick Class 'A' (conifer) or Class 'A'	sq.m	2609.73	2671.19	2749.39	2656.97
WW0173	(conifer) panelling 75mm framing, 38mm thick Class 'A' (conifer) or Class 'A'	sq.m	2459.59	2515.08	2587.55	2503.16
Providing &	(conifer) panelling & fixing Panelled or Panelled-&-Glazed, Plywood panelling	g from b	oth sides inc	luding frame	e	
******	100 0 1 4 5 115				400	
WW0180	100mm framing, 4mm Commercial Ply	sq.m	1361.49			
WW0181	75mm framing, 4mm Commercial Ply	sq.m	1230.51	1128.20		
WW0182	100mm framing, 4mm Teak Ply	sq.m	1608.20			
WW0183	75mm framing, 4mm Teak Ply	sq.m	1467.47	1355.68	1317.02	1517.04

Code	Description	Units	PL	GP	SJ	TH
Providing concealed	& fixing Panelled with Pre-fabricated profiles fro	om both sides inclu	ding the fran	ne and prim	e coat on	
WW0190	100mm, 12mm Class 'A' (conifer)	sq.m	2372.77	2361.12	2388.45	2327.36
WW0190	75mm, 12mm Class 'A' (conifer)	sq.m	2232.03	2215.00		
WW0191	100mm, 12mm Class 'B' (conifer)	sq.m	2338.24	2358.47		
WW0193	75mm, 12mm Class 'B' (conifer)	sq.m	2197.50	2212.35	2233.62	
WW0194	100mm, 12mm Class 'A' (conifer)	sq.m	2585.10	2569.40		
WW0195	75mm, 12mm Class 'A' (conifer)	sq.m	2444.37	2423.28	2444.56	
Door &	Window Shutters					
Providing 6	& fixing 25mm thick Panelled or glazed Shutters	for cup-boards etc	c. complete in	cluding hing	ges	
WW0200	Class 'A' (conifer)	sq.m	1889.41	2000.17	2059.51	1992.90
WW0201	Class 'B' (conifer)	sq.m	1499.41	1610.17	1669.51	1602.90
Providing of	& fixing 35mm thick Panelled or glazed doors an	d windows Shutter	rs etc. comple	ete including	hinges	
WWW0210			2070.06	2210.74	2215 22	2210.41
WW0210	Class 'A' (conifer)	sq.m	2079.86	2218.74		
WW0211	Class 'B' (conifer)	sq.m	1698.55	1837.42	1934.01	1829.10
Providing 6	& fixing 38mm thick Panelled or glazed doors an	d windows Shutter	rs etc. comple	ete including	hinges	
WW0220	Class 'A' (conifer)	sq.m	2111.04	2251.91	2350.41	2242.81
WW0221	Class 'B' (conifer)	sq.m	1728.82	1869.69	1968.20	1860.59
Providing	& fixing 44mm thick Panelled or glazed doors an	d windows Shutter	rs etc. comple	ete including	hinges	
WW0230	Class 'A' (conifer)	sq.m	2161.06	2305.02	2406.50	2294.73
WW0231	Class 'B' (conifer)	sq.m	1775.17	1919.14	2020.61	1908.84
Providing of	& fixing 50mm thick Panelled or glazed doors an	d windows Shutter	rs etc. comple	ete including	hinges	
WW0240	Class IAI (assifus)		2227.44	2386.29	2402.46	2274 11
WW0240 WW0241	Class 'A' (conifer) Class 'B' (conifer)	sq.m sq.m	2237.44 1865.13	2015.69	2492.46 2134.86	
_	& fixing Wire-gauze Shutters 25mm for doors & he cost of hinges	windows using gal	lvanised M.S	wire gauze	0.56mm dia	wire
WWW0250			1601.26	1602.47	1722 74	1.607.00
WW0250 WW0251	Class 'A' (conifer) Class 'B' (conifer)	sq.m sq.m	1601.26 1133.01	1692.47 1224.22	1723.74 1255.50	
_	& fixing Wire-gauze Shutters 35mm for doors & he cost of hinges	windows using gal	lvanised M.S	wire gauze	0.56mm dia	wire
WW0260	Class 'A' (conifer)	ça m	1696.34	1793.64	1830.76	1796.80
WW0261	Class 'B' (conifer)	sq.m	1225.33	1793.64	1359.75	
vv vv UZU1	Class D (Collifer)	sq.m	1223.33	1322.03	1339./3	1343.19

Code	Description	Units	PL	GP	SJ	TH
	& fixing Wire-gauze Shutters 38mm for doors & windows	using ga	lvanised M.S	wire gauze	0.56mm dia	wire
including t	he cost of hinges					
WW0270	Class 'A' (conifer)	sq.m	1725.96	1825.16	1864.10	1827.58
WW0271	Class 'B' (conifer)	sq.m	1254.09	1353.29	1392.23	1355.71
Providing of hinges	& fixing Battened door & window shutters 20mm, with led	ges and	braces (25 m	m), includin	g the cost of	
WW0280	Class 'A' (conifer)	sq.m	1543.51	1605.52	1601.50	1648.19
WW0281	Class 'A' (conifer)	sq.m	1543.51	1605.52		
WW0282	Class 'B' (conifer)	sq.m	1527.21	1589.22	1585.21	1631.89
_	& fixing battened garage door with ledges and braces (38m etc. complete	ım) in C	ass 'B' (coni	fer), includir	ıg	
WW0290	22 mm	sq.m	1491.73	1582.51	1605.30	1601.37
Providing 6	& fixing battened and framed door shutters, Class'B' (con	ifer) exc	luding the co	st of hinges		
WW0295	38mm	sq.m	1387.09	1448.51	1431.48	1493.82
Venetia	n Works					
WW0300	Providing & fixing 38mm thick louvered shutters for windows, doors with fixed 12mm venetians, in Class 'B' (conifer) excluding the cost of hinges	sq.m	1453.91	1574.76	1491.28	1616.49
WW0301	Providing & fixing Class 'B' (conifer) venetians 50mm wide, 10mm thick at 45mm apart in ventilators above doors (excluding frame)	sq.m	620.27	625.36	630.24	623.39
Trellis						
WW0310	Providing & fixing plain trellis of 38x12mm laths with 38mm gap (excluding frames) including fixing beading 50x12mm with Class 'B' (conifer)	sq.m	966.41	983.38	999.68	976.82
WW0311	Providing & fixing Door & window shutters of plain trellis of 38x12mm laths with 38mm gap (excluding frame) including fixing beading 50x12mm with Class 'B' (conifer)	sq.m	1599.12	1687.83	1633.36	1777.43
Compound	Gates					
WW0320	Providing & fixing Compound Gate including hinge- supports complete as per	sq.m	1597.59	1834.81	1773.06	1985.72
Window A	ccessories					
WW0325	Providing & fixing M.S. round or square bars in window	kg	97.50	93.18	90.71	110.07
WW0326	frames Providing & fixing M.S. round or square bars with M.S.	kg	83.75	84.97	80.49	102.98

Code	Description	Units	PL	GP	SJ	TH
WW0327	Providing & fixing ornamental steel grills in frames with M.S. flats & bars including round headed bolts and nuts	kg	173.94	200.31	186.93	222.54
WW0328	etc. Providing & fixing expanded metal 20x60mm strands 3.25x1.6mm including 60x20mm beading of Class 'B' (conifer)	sq.m	631.66	616.68	690.01	624.30
Pre-fabrica	ited shutters					
Providing &	& fixing Flush Door shutters with pre-laminated Cement	Bonded 1	Particle boar	d		
WW0335	25mm	sq.m	1408.80	1361.11	1368.90	2238.23
WW0336	30mm	sq.m	1754.50			2709.50
Providing &	& fixing Flush Door shutters (pre-fabricated), block-boar	d core wi	th commerci	al ply veneer		
WW0345	25mm	sa m	1221.78	1369.53	1142.11	1315.91
WW0346	30mm	sq.m sq.m	1453.92		1362.93	1430.74
WW0347	35mm	sq.m	1613.16		1825.32	1664.77
WW0348	40mm	sq.m	1783.71	1867.43	1896.53	1895.46
Providing &	& fixing flush door shutters (pre-fabricated), block-board	core wit	h teak ply ve	neer		
WW0355	25mm	sq.m	1753.19	1735.12	1744.46	1860.81
WW0356	30mm	sq.m	1977.24		2000.71	2057.73
WW0357	35mm	sq.m	2199.70	2210.67	2225.99	2210.20
WW0358	40mm	sq.m	2667.60	2652.42	2673.86	2667.60
Providing &	& fixing flush door shutters (pre-fabricated), block-board	core wit	h ply veneer,	chemically t	reated	
WWW.0265	25		1 427 50	1.474.60	151420	1460.00
WW0365 WW0366	25mm 30mm	sq.m	1437.59 1662.73	1474.68 1726.79	1514.32 1773.30	1469.09 1750.22
WW0367	35mm	sq.m sq.m	1828.38	2023.38	2077.98	1893.71
WW0368	40mm	sq.m	1980.04			2336.36
		•				
Providing & coat	& fixing panelled doors, with 12mm particle board panels	with hor	izontal midd	le rail includ	ing prime	
WW0375	30mm	sq.m	1858.17	1823.17	1823.17	1857.48
WW0376	35mm	sq.m	1880.85		1845.43	1880.14
WW0377	40mm	sq.m	1895.96	1860.25	1860.25	1895.26
Providing &	& fixing panelled doors, with 12mm plywood panels with	horizonta	l middle rail	including pr	ime coat	
WW0385	30mm	sq.m	1366.86	1341.23	1341.23	1366.35
WW0386	35mm	sq.m	1383.48			1382.97
WW0387	40mm	sq.m	1481.74		1453.93	1481.19
	& fixing panelled doors, with 9mm plywood panels with h	_				
WW0395	30mm	sq.m	1341.15	1316.01	1316.01	1340.66
WW0396	35mm	sq.m	1354.75		1329.36	1354.26
WW0397	40mm	sq.m	1363.82		1338.25	1363.33

Code	Description	Units	PL	GP	SJ	TH
_	k fixing panelled doors, with 12mm par	ticle board panels with hor	izontal single	lock rail &	stile	
including p	rime coat					
WW0400	30mm	sq.m	1939.76	1885.47	1885.47	1920.95
WW0401	35mm	sq.m	1945.86	1891.39		1926.99
WW0402	40mm	sq.m	1948.91	1894.37	1894.37	1930.01
Providing &	& fixing panelled doors, with 12mm ply	wood panels with horizonta	l single lock	rail & stile i	ncluding	
			4.4.5.50	4.40.4.00		
WW0410	30mm	sq.m	1445.29	1404.99		1431.32
WW0411 WW0412	35mm 40mm	sq.m	1448.34 1454.44	1407.95 1413.89		1434.35 1440.40
W W 0412	4011111	sq.m	1434.44	1413.09	1413.03	1440.40
Providing & prime coat	& fixing panelled doors, with 9mm plyw	ood panels with horizontal	single lock r	ail & stile in	cluding	
111110 420	20		1202.40	1054.56	125456	1250.05
WW0420 WW0421	30mm 35mm	sq.m	1393.40 1399.51	1354.56		1379.95 1385.99
WW0421 WW0422	40mm	sq.m sq.m	1399.31	1360.50 1367.91	1367.91	1383.99
** ** 0722	TOTHIT	Sq.m	1407.13	1307.71	1507.71	1373.33
Providing & coat	k fixing panelled doors, with 12mm par	ticle board panels with hor	izontal doubl	e lock rail &	stile includi	ng prime
W/W/0420	30mm	22.44	1978.66	1905.49	1905.49	1941.35
WW0430 WW0431	35mm	sq.m sq.m	2021.02	1903.49	1903.49	1941.33
WW0432	40mm	sq.m	2025.63	1950.72	1950.72	1987.44
Providing &	k fixing panelled doors, with 12mm ply	wood panels with horizonta	l double lock	rail & stile	including pri	me coat
WW0440	30mm	sq.m	1479.14	1424.65	1424.65	1451.35
	35mm	sq.m	1482.23	1427.61	1427.61	1454.39
WW0441		1				1 15 1157
WW0441 WW0442	40mm	sq.m	1491.07	1436.13	1436.13	1463.07
WW0442	40mm & fixing panelled doors, with 9mm plyw	sq.m				1463.07
WW0442 Providing &	& fixing panelled doors, with 9mm plyw	sq.m	double lock		ncluding prin	1463.07 ne coat
WW0442 Providing & WW0450	& fixing panelled doors, with 9mm plyw 30mm	sq.m rood panels with horizontal sq.m	double lock 1	rail & stile in	ncluding prin	1463.07 ne coat 1396.96
WW0442 Providing & WW0450 WW0451	30mm 35mm	sq.m rood panels with horizontal sq.m sq.m	1423.68 1432.93	1371.26 1380.16	1371.26 1380.16	1463.07 ne coat 1396.96 1406.02
WW0442 Providing & WW0450 WW0451	& fixing panelled doors, with 9mm plyw 30mm	sq.m rood panels with horizontal sq.m	double lock 1	rail & stile in	1371.26 1380.16	1463.07 ne coat 1396.96 1406.02
WW0442 Providing & WW0450 WW0451 WW0452	30mm 35mm	sq.m rood panels with horizontal sq.m sq.m sq.m	1423.68 1432.93 1445.24	1371.26 1380.16 1392.02	1371.26 1380.16 1392.02	1463.07 ne coat 1396.96 1406.02 1418.12
WW0442 Providing & WW0450 WW0451 WW0452 Providing &	& fixing panelled doors, with 9mm plyw 30mm 35mm 40mm & fixing panelled doors, with 9mm plyw	sq.m rood panels with horizontal sq.m sq.m sq.m sq.m	1423.68 1432.93 1445.24 double lock	1371.26 1380.16 1392.02 rail & stile in	1371.26 1380.16 1392.02 ncluding prin	1463.07 ne coat 1396.96 1406.02 1418.12 ne coat
WW0442 Providing & WW0450 WW0451 WW0452 Providing &	30mm 35mm 40mm k fixing panelled doors, with 9mm plyw 30mm	sq.m rood panels with horizontal sq.m sq.m sq.m sq.m sq.m	1423.68 1432.93 1445.24 double lock	1371.26 1380.16 1392.02 rail & stile in	1371.26 1380.16 1392.02 ncluding prin	1463.07 ne coat 1396.96 1406.02 1418.12 ne coat
WW0442 Providing & WW0450 WW0451 WW0452 Providing & WW0460 WW0461	30mm 35mm 40mm k fixing panelled doors, with 9mm plyw 30mm 35mm 30mm 30mm	sq.m rood panels with horizontal sq.m sq.m sq.m sq.m sq.m sq.m	1423.68 1432.93 1445.24 double lock	1371.26 1380.16 1392.02 rail & stile in 731.73 743.60	1371.26 1380.16 1392.02 ncluding prin 731.73 743.60	1463.07 ne coat 1396.96 1406.02 1418.12 ne coat 890.01 743.60
WW0442 Providing & WW0450 WW0451 WW0452 Providing & WW0460 WW0461 WW0462	30mm 35mm 40mm 30mm 35mm 40mm 30mm 30mm 30mm 30mm 30mm	sq.m rood panels with horizontal sq.m sq.m sq.m sq.m sq.m	1423.68 1432.93 1445.24 double lock	1371.26 1380.16 1392.02 rail & stile in	1371.26 1380.16 1392.02 ncluding prin 731.73 743.60	1463.07 ne coat 1396.96 1406.02 1418.12 ne coat 890.01 743.60
WW0442 Providing & WW0450 WW0451 WW0452 Providing & WW0460 WW0461 WW0462	30mm 35mm 40mm k fixing panelled doors, with 9mm plyw 30mm 35mm 30mm 30mm	sq.m rood panels with horizontal sq.m sq.m sq.m sq.m sq.m sq.m	1423.68 1432.93 1445.24 double lock	1371.26 1380.16 1392.02 rail & stile in 731.73 743.60	1371.26 1380.16 1392.02 ncluding prin 731.73 743.60	1463.07 ne coat 1396.96 1406.02 1418.12 ne coat 890.01 743.60
WW0442 Providing & WW0450 WW0451 WW0452 Providing & WW0460 WW0461 WW0462 Shelvin	30mm 35mm 40mm k fixing panelled doors, with 9mm plyw 30mm 30mm 35mm 40mm 35mm 40mm g & C u p b o a r d s	sq.m 1423.68 1432.93 1445.24 double lock 745.52 817.33 763.67 or `L' iron b	1371.26 1380.16 1392.02 rail & stile in 731.73 743.60 749.52	1371.26 1380.16 1392.02 ncluding prin 731.73 743.60 749.52	1463.07 ne coat 1396.96 1406.02 1418.12 ne coat 890.01 743.60 749.52	
WW0442 Providing & WW0450 WW0451 WW0452 Providing & WW0460 WW0461 WW0462 Shelvin	30mm 35mm 40mm 30mm 35mm 40mm C fixing panelled doors, with 9mm plyw 30mm 35mm 40mm 35mm 40mm	sq.m 1423.68 1432.93 1445.24 double lock 745.52 817.33 763.67 or `L' iron b	1371.26 1380.16 1392.02 rail & stile in 731.73 743.60 749.52	1371.26 1380.16 1392.02 ncluding prin 731.73 743.60 749.52	1463.07 ne coat 1396.96 1406.02 1418.12 ne coat 890.01 743.60 749.52	

Code	Description	Units	PL	GP	SJ	TH
partitions a	& fixing 25mm thick Cupboard (900x2000x450 mmLxH and shelves supported on 25x25mm wooden runners, 50x2 ackets, including with Anodised Aluminium Hinges and fr	0mm arcl	nitraves and	25mm dia c		
WW0475 WW0476	Class 'B' (conifer) Class 'A' (conifer)	each each	7234.95 7858.96	7462.99 8086.99		7572.14 8196.14
Extras for	Cupboards including frame of Class 'B' (conifer)					
WW0485	For additional depth of 50mm or part thereof	50mm	382.41	386.98	392.77	393.61
WW0486	For additional width of 100mm or part thereof including shutters of Class 'B' (conifer)	100mm	611.27	602.97	606.65	619.38
WW0487	For additional width of 100mm or part thereof, including shutters of Class 'A' (conifer) wood	100mm	609.52	601.28	604.95	617.66
WW0488	For additional height of 100mm or part thereof, including shutters of Class 'B' (conifer)	100mm	484.51	481.54	486.13	492.75
WW0489	For additional height of 100mm or part thereof, including shutters of Class 'A' (conifer)	100mm	483.44	480.51	485.10	491.69
Railing						
Providing of complete	& fixing railing with 90x60mm top & bottom rails, trellis	60x45mm	including 2	coats of pair	nt etc. all	
WW0495 WW0496 WW0497 WW0498 WW0499 WW0500	900 mm high, Class 'A' (conifer) 900 mm high, Class 'B' (conifer) 1000 mm high, Class 'A' (conifer) 1000 mm high, Class 'B' (conifer) 1200 mm high, Class 'A' (conifer) 1200 mm high, Class 'B' (conifer)	m m m m m	658.22 649.62 758.44 748.61 896.75 885.16	680.97 672.37 784.54 774.71 927.56 915.97	691.18 806.04 796.22 952.93	685.57 676.97 790.17 780.35 934.27 922.68
Pelmets						
Providing of etc. comple	& fixing 100x12mm, with 25mm dia. wooden curtain rod a	ınd brack	ets including	g M.S flats 2	5x3x100mm	and plugs
WW0505 WW0506	Class 'A' (conifer) Class 'B' (conifer)	m m	223.16 221.51	228.22 226.58		228.03 226.39
Providing detc. comple	& fixing 150x12mm, with 25mm dia. wooden curtain rod a te	and brack	ets including	g M.S flats 2	5x3x100mm	and plugs
WW0515 WW0516 Shutter	Class 'A' (conifer) Class 'B' (conifer) s Fittings	m m	232.04 228.40			237.27 232.30
	& fixing M.S. pressed butt hinges with necessary screws en	c. comple	te			
WW0525 WW0526 WW0527	100mm 75mm 50mm	each each each	41.55 31.83 26.00	54.59 47.08 37.78	28.33	82.87 56.62 43.49

Providing & fixing M.S. tower bolt (barrel type) with necessary screws etc. complete WW0535 150mm	Code	Description	Units	PL	GP S	SJ	TH
WW0536 150mm	Providing 6	& fixing M.S tower bolt (barrel type) with necessary scr	ews etc. co	mplete			
WW0536 150mm	WW0535	250mm	each	86.68	98.70	71.52	149.68
Providing & fixing M.S. sliding door bolt, bright finished, enamelled with necessary screws etc. complete WW0545 250mm 250.27 29 296.03 171.82 260.17 WW0546 250mm 250mm 187.29 292.75 147.03 254.34 WW0547 200mm each 187.29 292.75 147.03 254.34 WW0547 200mm each 187.29 292.75 147.03 254.34 WW0548 250mm each 187.29 292.75 147.03 254.34 WW0549 250mm each 187.29 292.75 147.03 254.34 WW0555 150mm each 43.41 52.95 36.80 89.10 WW0556 125mm each 35.64 46.09 29.02 64.31 WW0558 75mm each 27.86 33.92 13.86 39.52 Providing & fixing M.S. book-and-eye with necessary screws etc. complete WW0565 300mm each 47.42 37.84 28.64 65.77 WW0567 250mm each 47.42 37.84 28.64 65.77 WW0567 150mm each 45.36 32.76 26.69 57.02 WW0568 100mm each 45.36 32.76 26.69 57.02 WW0568 100mm each 47.22 178.47 156.27 175.71 WW0579 Providing & fixing M.S. door stopper with nuts and each 147.52 178.47 156.27 175.71 WW0579 Providing & fixing anodised aluminium but thinges with necessary aluminium screws etc. complete WW0580 100mm<			each			45.61	
WW0545 300mm	WW0537	100mm	each	48.34	58.66	33.95	81.58
WW0547 200mm each 187.29 292.75 147.03 254.34	Providing 6	& fixing M.S. sliding door bolt, bright finished, enamelle	ed with nec	essary screw	s etc. complet	e	
Providing & fixing M.S. handle with necessary screws etc. complete Providing & fixing M.S. handle with necessary screws etc. complete Providing & fixing M.S. handle with necessary screws etc. complete Providing & fixing M.S. hook-and-eye with necessary screws etc. complete Providing & fixing M.S. hook-and-eye with necessary screws etc. complete Providing & fixing M.S. hook-and-eye with necessary screws etc. complete Providing & fixing M.S. hook-and-eye with necessary screws etc. complete Providing & fixing M.S. hook-and-eye with necessary screws etc. complete Providing & fixing M.S. hook-and-eye with necessary screws etc. complete Providing & fixing M.S. door stopper with nuts and cach 47.07 38.50 36.61 83.27 82.64 65.77 82.65 82.69 82.60 8	WW0545	300mm	each	257.29	296.03	171.82	
No.							
WW0555	WW0547	200mm	each	154.24	240.20	126.62	211.57
Name	Providing 6	& fixing M.S. handle with necessary screws etc. complete	e				
WW0557 Tomm Cach 29.80 41.70 25.53 46.81 WW0558 Tomm Cach 27.86 33.92 13.86 39.52	WW0555	150mm	each	43.41	52.95	36.80	89.10
WW0558 75mm cach 27.86 33.92 13.86 33.92 Providing & fixing M.S. hook-and-eye with necessary screws etc. complete WW0565 300mm acach 47.07 38.50 36.61 83.27 WW0566 200mm each 47.42 37.84 28.64 65.77 WW0567 150mm each 45.36 32.76 26.69 57.02 WW0568 100mm each 28.60 37.25 21.15 40.83 M.S. door stopper WW0575 Providing & fixing M.S. door stopper with nuts and necessary aluminium screws etc. complete Providing & fixing anodised aluminium butt hinges with necessary aluminium screws etc. complete WW0580 100mm each 39.35 62.12 68.31 62.68 80.32 62.60 80.32 65.102 Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete WW0580 100mm each 39.35 62.12 68.31 62.68 80.32 66.32 84.98 80.02 66.32 84.98 80.02 66.32 84.98 80.02 66.32 84.98 80.02 66.32 89.09 80.00	WW0556	125mm	each	35.64	46.09	29.02	
Providing & fixing M.S. hook-and-eye with necessary screws etc. complete WW05655 300mm (2000mm) (2000m							
WW0565 300mm	WW0558	75mm	each	27.86	33.92	13.86	39.52
WW0566 200mm each 47.42 37.84 28.64 65.77 WW0567 150mm each 43.36 32.76 26.69 57.02 WW0568 100mm each 28.60 37.25 21.15 40.83 M.S. door stopper with nuts and necessary summinium screws even complete Providing & fixing anodised aluminium butt hinges with necessary aluminium screws etc. complete WW0580 100mm each 39.35 62.12 68.31 62.68 WW0581 75mm each 31.18 54.26 48.32 51.02 Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete 80.32 66.12 68.31 62.68 WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and alumini	Providing 6	& fixing M.S. hook-and-eye with necessary screws etc. co	omplete				
WW0566 200mm each 47.42 37.84 28.64 65.77 WW0567 150mm each 43.36 32.76 26.69 57.02 WW0568 100mm each 28.60 37.25 21.15 40.83 M.S. door stopper with nuts and necessary summinium screws even complete Providing & fixing anodised aluminium butt hinges with necessary aluminium screws etc. complete WW0580 100mm each 39.35 62.12 68.31 62.68 WW0581 75mm each 31.18 54.26 48.32 51.02 Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete 80.32 66.12 68.31 62.68 WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and alumini	WW0565	300mm	each	47.07	38.50	36.61	83.27
WW0568 100mm each 28.60 37.25 21.15 40.83 M.S door stopper WW0575 Providing & fixing M.S. door stopper with nuts and necessary aluminium screws etc. complete Providing & fixing anodised aluminium butt hinges with necessary aluminium screws etc. complete WW0580 100mm each 39.35 62.12 68.31 62.68 WW0581 75mm each 31.18 54.26 48.32 51.02 Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 69.82 80.32 66.32 84.98 WW0593 100mm each 282.96 270.52 238.60 344.98 WW0592 100mm each 282.96 270.52 238.60 344.79 WW0610 250mm	WW0566		each	47.42		28.64	65.77
M.S door stopper WW0575 Providing & fixing M.S. door stopper with nuts and necessary screws complete each 147.52 178.47 156.27 175.71 Providing & fixing anodised aluminium butt hinges with necessary aluminium screws etc. complete WW0580 100mm each 39.35 62.12 68.31 62.68 WW0581 75mm each 31.18 54.26 48.32 51.02 Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63	WW0567	150mm	each	45.36	32.76	26.69	57.02
WW0575 Providing & fixing M.S. door stopper with nuts and necessary screws complete Providing & fixing anodised aluminium butt hinges with necessary aluminium screws etc. complete	WW0568	100mm	each	28.60	37.25	21.15	40.83
No	M.S door s	topper					
WW0580 100mm each 39.35 62.12 68.31 62.68 WW0581 75mm each 31.18 54.26 48.32 51.02 Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0610 250mm each 252.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete Complete 46.31 49.91 64.31 WW0610 150mm each	WW0575		each	147.52	178.47	156.27	175.71
WW0581 75mm each 31.18 54.26 48.32 51.02 Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06	Providing 6	& fixing anodised aluminium butt hinges with necessary	aluminiun	screws etc.	complete		
Providing & fixing anodised aluminium tower bolt (barrel type) with aluminium screws etc. complete WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06	WW0580	100mm	each	39.35	62.12	68.31	62.68
WW0590 200mm each 77.35 106.51 69.18 115.26 WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	WW0581	75mm	each	31.18	54.26	48.32	51.02
WW0591 150mm each 69.82 80.32 66.32 84.98 WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	Providing 6	& fixing anodised aluminium tower bolt (barrel type) wi	th alumini	um screws et	c. complete		
WW0592 100mm each 59.32 60.10 52.32 59.79 Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	WW0590	200mm	each	77.35	106.51	69.18	115.26
Providing & fixing anodised aluminium sliding door bolts with nuts and aluminium screws etc. complete WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	WW0591	150mm	each	69.82	80.32	66.32	84.98
WW0600 300mm each 282.96 270.52 238.60 344.79 WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	WW0592	100mm	each	59.32	60.10	52.32	59.79
WW0601 250mm each 252.24 223.70 208.12 294.63 WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	Providing 6	& fixing anodised aluminium sliding door bolts with nut	s and alum	inium screws	s etc. complete	e	
WW0602 200mm each 225.22 180.62 198.36 245.63 Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19							
Providing & fixing anodised aluminium handle with necessary aluminium screws etc. complete WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19							
WW0610 150mm each 35.56 63.32 49.91 64.31 WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	WW0602	200mm	each	225.22	180.62	198.36	245.63
WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	Providing 6	& fixing anodised aluminium handle with necessary alum	ninium scr	ews etc. com	plete		
WW0611 125mm each 45.59 39.06 46.06 51.19 WW0612 100mm each 38.94 46.29 46.06 44.19	WW0610	150mm	each	35.56	63.32	49.91	64.31
WW0612 100mm each 38.94 46.29 46.06 44.19							
WW0613 75mm each 40.29 35.89 33.69 37.48							
	WW0613	75mm	each	40.29	35.89	33.69	37.48

Providing & fixing anodised aluminium hook-and-eye with necessary screws etc. complete WW0620 300mm each 62.27 80.58 WW0621 200mm each 45.59 62.74 WW0622 150mm each 32.21 46.05 WW0623 100mm each 26.58 35.68 Kicking plate WW0630 Providing & fixing anodised aluminium kicking plate, 4mm sq.m 554.98 640.49 Providing & fixing brass pressed butt hinges with necessary screws etc. complete WW0635 100mm each 107.65 116.43 WW0636 75mm each 84.32 89.74 WW0637 50mm each 60.99 65.03 Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0655 300mm each 701.01 680.51	64.67 100.7′ 51.09 57.0′ 39.25 43.4′ 31.07 31.36 744.61 747.46
WW0621 200mm each 45.59 62.74 WW0622 150mm each 32.21 46.05 WW0623 100mm each 26.58 35.68 Kicking plate WW0630 Providing & fixing anodised aluminium kicking plate, 4mm thick with necessary aluminium screws etc. complete \$54.98 640.49 Providing & fixing brass pressed butt hinges with necessary screws etc. complete WW0635 100mm each 107.65 116.43 WW0636 75mm each 84.32 89.74 WW0637 50mm each 60.99 65.03 Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0647 100mm each 701.01 680.51 WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58	51.09 57.02 39.25 43.49 31.07 31.30
WW0630 Providing & fixing anodised aluminium kicking plate, 4mm thick with necessary aluminium screws etc. complete 554.98 640.49 Providing & fixing brass pressed butt hinges with necessary screws etc. complete WW0635 100mm each 107.65 116.43 WW0636 75mm each 84.32 89.74 WW0637 50mm each 60.99 65.03 Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0647 100mm each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete	744.61 747.40
### Providing & fixing brass pressed butt hinges with necessary screws etc. complete WW0635	744.61 747.40
WW0635 100mm each 107.65 116.43 WW0636 75mm each 84.32 89.74 WW0637 50mm each 60.99 65.03 Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0647 100mm each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete	
WW0636 75mm each 84.32 89.74 WW0637 50mm each 60.99 65.03 Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0647 100mm each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	
WW0637 50mm each 60.99 65.03 Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0647 100mm each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	113.49 161.6
Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0647 100mm each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	81.41 128.0
WW0645 250mm each 250.39 309.69 WW0646 150mm each 158.61 248.41 WW0647 100mm each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	60.99 74.12
WW0646 150mm WW0647 100mm each 158.61 248.41 each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm WW0656 250mm WW0656 250mm WW0657 200mm each 642.68 608.58 608.58 each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	
WW0647 100mm each 121.66 129.58 Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	223.17 371.90
Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	145.65 192.3
WW0655 300mm each 701.01 680.51 WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	98.98 125.23
WW0656 250mm each 642.68 608.58 WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	
WW0657 200mm each 576.57 432.37 Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	753.66 887.65
Providing & fixing brass handle with necessary screws etc. complete WW0665 150mm each 109.52 145.13	573.17 784.6
WW0665 150mm each 109.52 145.13	601.07 695.1
WW0666 125mm each 97.85 115.37	144.51 145.68
	97.85 117.68
WW0667 100mm each 68.69 102.48	74.52 94.35
WW0668 75mm each 57.02 82.17	62.85 75.69
Other fittings	
latch & pair of levers, handles with necessary screws etc.	1003.45 1163.83
complete WW0676 Providing & fixing bright finish brass spring-loaded, each 920.71 1011.44 hinged door-closer with necessary screws etc. complete	894.78 786.53
WW0677 Providing & fixing bright finish brass hydraulic door-closer each 870.63 952.98	1495.90 1165.38
WW0678 Providing & fixing bright finished brass door stopper with each 203.29 200.38 nuts and necessary screws etc. complete	104.14 146.9
Providing & fixing bright finished brass hook-and-eye with necessary screws etc. complete	
WW0685 150mm each 59.94 82.54	51.19 85.02
WW0686 100mm each 57.02 68.36	21.17 03.02

Code	Description	Units	PL	GP	SJ	TH
Fixing Acco	essories					
WW0695	P&f 40x3mm M.S. hold fast 400mm long, fixing to frame with 10mm bolts & nuts, plugs, concrete blocks 300x100x150mm with 1:3:6, 20mm aggregate	each	101.58	111.03	107.08	124.11
Ceiling	Insul at ion					
WW0700	Providing & laying dry earth in ceilings in proportion 1:5 (1 straw: 5 dry earth) including plastic underlay	cu.m	246.56	248.61	242.62	260.15
Skyligh	t					
WW0705	Providing & fixing skylight translucent diffuser panel including 50x12 beading etc. complete	sq.m	1337.52	1357.96	1377.35	1528.38
Tim ber	Carving					
WW0710	Providing & fixing Decorative Traditional Timber Carving	sq.m	1697.78	1697.78	1697.78	1697.78
uPVC Win	dow (with wire mesh)					
_	ixing and installation of 2-track, UPVC sliding windows inclu DM gaskets, U- groove roller, Aluminium track, Fastner nut,	_			_	th hardware
WW0715	Plain white window	sq.m	6696.18	6796.13	7001.51	7043.03
WW0716	Polished window	sq.m	8805.89	8905.83	9111.22	9152.74
WW0717	Textured Window	sq.m	12171.13	12271.08	12476.46	12517.98
uPVC Win	dow (without wire mesh)					
_	ixing and installation of 2-track, UPVC sliding windows inclubler, Aluminium track, Fastner nut, interlock, touch lock and	_	-	with hardware	fittings - EP	DM gaskets,
WW0718	Plain white window	sq.m	6222.69	6796.13	7001.51	7043.03
WW0719	Polished window	sq.m	8332.40	8432.34	8637.73	8679.25

11697.64

sq.m

11797.59

12002.97

12044.49

WW0720

Textured Window

Code	Description	Units	PL (GP S	SJ T	ГН
Chapter	12: STEEL					
Single	Sections					
Steel work	in single section including cutting, hoisting, fixing and ap	plying pri	ming coat of r	ed lead pain	ıt	
SW0001	In R.S. joists	kg	76.84	96.31	78.72	112.48
SW0002 SW0003	In Flats In Tees, angles and channels	kg kg	73.59 85.92	98.83 97.12	86.04 85.97	120.10 126.06
Fabric	ated & Buit-up Sections					
	riveted or bolted, in built up sections, trusses, frame-worlead paint	ks, includi	ng cutting, ho	isting, fixing	and appl. p	riming
SW0010	In R.S. joists	kg	79.86	99.03	84.01	116.03
SW0011	In Tees, angles, flats and channels	kg	192.41	211.29	202.57	233.79
Steel work	welded, in built up sections, trusses, frame-works include	ing cutting	, hoisting, fixi	ng and appl.	priming coa	t of red
SW0020	In R.S. joists	kg	78.20	98.26	82.59	113.96
SW0021 SW0022	In Tees, angles, flats and channels In Tubular sections	kg kg	80.97 82.10	100.46 80.72	91.39 55.57	121.98 86.59
D oo rs/	Windows & Accessories					
bottom rai	& fixing in position with vertical channels 20x10x2mm ar ls of T-iron 40x40x6mm with 38mm dia steel pulleys com cluding applying a priming coat of red lead paint			_		-
SW0030	Collapsible steel shutters	sq.m	5489.21	6109.60	5738.95	6959.36
Providing	& fixing in position including applying a priming coat of	red lead pa	aint			
SW0035	Rolling shutters, including all accessories complete but excluding top cover	sq.m	1744.48	1719.03	1719.03	1719.03
SW0036	Top cover for rolling shutters	m	776.43	750.51	750.51	750.51
_	& fixing anodised Aluminium section for doors, windows			-	_	_
_	ections including all accessories such as U-rubber gasket in ngs, etc complete (excluding the cost of glass panes or boater).			_		
in case of c	reiling)		•			
SW0045	Sliding, open able and pivoted windows	kg	537.95	536.14	504.86	541.58
SW0046	Sliding and open able doors	kg	540.78	538.97	507.69	544.41
SW0047	Partition framing	kg	532.29	530.48	499.20	535.92
SW0048	False ceiling framing	kg	530.02	528.22	496.94	533.66
Extra for paccessories	providing and fixing plain glass panes on aluminium sections)	on complet	e (excluding t	he cost of alu	ıminium fra	me &
SW0055	4mm thick plain glass	sq.m	601.31	711.03	737.27	756.97
SW0056	5.5mm thick, plain glass	sq.m	739.38	839.35	1044.78	1086.30
SW0057	5.5mm thick frosted glass	sq.m	1005.07	897.67	868.51	1086.65

Code	Description	Units	PL	GP	SJ	TH
_	& fixing steel glazed doors, windows, ventilators of standa			s joints mitr	ed and welde	d with
15x3mm lu	gs embedded as required including p&f glass panes and a	coat of	primer			
SW0065	Doors	sq.m	2193.68	2200.03		2188.91
SW0066	Windows fixed	sq.m	1214.11	1238.63		1250.28
SW0067 SW0068	Windows side hung Ventilators top hung	sq.m	1552.06 1546.69	1570.74 1564.89		1574.84 1568.67
SW0069	Ventilators cop nung Ventilators centre hung	sq.m sq.m	1743.23	1757.67		1780.02
	Shutan type Architraves	54.111	1713.23	1737.07	1017.70	1700.02
SW0075	Extra for Providing & fixing Bhutan type architraves with	sq.m	380.93	346.21	326.62	376.92
	24G steel sheetper sq.m. of window area	•				
Steel F	asten ers					
SW0080	Providing & fixing M.S. round hold-down bolts with nuts	kg	70.19	71.20	66.79	86.35
	and washer plates	8				
SW0081	Providing & fixing bolts of various sizes including nuts &	kg	187.36	186.12	173.57	196.77
	washers	C				
SW0082	Providing & fixing M.S. rivets of various sizes	kg	208.96	189.68	203.02	260.95
Plates						
	Providing, making and fixing M.S. straps, flats, sole plates					
SW0090	etc.	kg	70.84	92.11	79.94	109.71
Fan Cla	атрѕ					
SW0095	Providing & fixing M.S. fan clamps of 16 mm dia. in R.C.	each	148.85	142.16	138.36	168.27
	slabs, including painting with red lead paint					
G. IF	w					
Steel Form			456.56	462.05	427.05	405.76
SW0100	Providing and fixing steel form work in foundations, footings, bases of columns etc for mass concrete	sq.m	456.56	463.85	437.05	485.76
SW0101	Providing and fixing steel form work in suspended floors,	sq.m	757.34	777.56	752.46	798.87
	roofs, landings, shelves and their support, balconies,					
GW0102	chaiias etc		705.51	726.20	700 77	766.44
SW0102	Providing and fixing steel form work in lintels, beams,	sq.m	725.51	736.29	700.77	766.44
SW0103	girders, bresummers, cantilevers, etc. Providing and fixing steel form work in columns, pillars,	sa m	1259.06	1256.26	1179.18	1321.67
3 W 0103	posts, struts etc.	sq.m	1239.00	1230.20	11/9.10	1321.07
Stainless St	teel (Grade 304) Railing					
	, , , , , , , , , , , , , , , , , , ,					
	Providing and fixing stainless steel (Grade 304) railing					
	made of Hollow tubes, channels, plates etc including					
	welding, grinding, buffing, polishing and making curvature (wherever required) and fittings the same with necessary					
SW0110	stainless steel nuts and bolts complete, i/e fixing railing	Κα	980.01	975.52	971.04	1088.05
2 44 01 10	with necessary accessories and stainless steel dash	Kg	700.01	913.32	7/1.04	1000.03
	fasteners, stainless steel bolts etc, of required size on the					
	top of the floor or the side of waist slab with suitable					
	arrangement as per approval of engineers in charge.					

Code	Description	Units	PL	GP	SJ	TH
Chapter	13: FLOORING					
Brick F	looring					
Providing 6	& laying 2nd class Brick-on-edge flooring					
FL0001 FL0002	In cement mortar 1:4 In cement mortar 1:6	sq.m sq.m	856.93 828.50		851.27 820.30	
FL0003	In dry brick , including filling joints with sand on bedding of 12.5mm mud mortar	sq.m	754.40		742.89	
Providing 6	& laying 2nd class Flat brick flooring					
FL0010	In cement mortar 1:4	sq.m	618.08	596.76	615.50	820.52
FL0011	In cement mortar 1:6	sq.m	592.52	570.37	587.85	788.83
FL0012	In dry brick, filling joints with sand, on a base of 12.5mm mud mortar	sq.m	482.29	457.85	474.89	658.44
Providing 6	& laying pointing on brick flooring with cement mortar 1:	2				
FL0020	Flush pointing	sq.m	84.52	84.82	84.82	87.31
FL0021	Ruled pointing	sq.m	91.78	92.08	92.08	94.57
Providing 6	& laying pointing on brick flooring with cement mortar 1:	4				
FL0030	Flush pointing	sq.m	84.52		84.82	
FL0031	Ruled pointing	sq.m	91.78	92.08	92.08	94.57
Providing 6	& laying Pointing on brick flooring with cement mortar 1:	6				
FL0040	Flush pointing	sq.m	82.51	82.73	82.64	84.84
FL0041	Ruled pointing	sq.m	89.77	89.99	89.89	92.10
Concre	te Flooring					
Pal cement	concrete flooring 1:2:4, finished with floating coat of neat	cement				
FL0050	12mm aggregates, 25mm thick	sq.m	278.24		284.41	
FL0051	20mm aggregates, 40mm thick	sq.m	367.36		377.56	
FL0052	20mm aggregates, 50mm thick	sq.m	419.24		431.62	
FL0053	20mm aggregates, 75mm thick	sq.m	543.37		560.86	
FL0054 FL0055	20mm river gravel, 40mm thick 20mm river gravel, 50mm thick	sq.m sq.m	657.65 781.69		653.90 776.67	
Providing 6	& laying cement concrete flooring 1:3:6, finished with a flo		at of neat cer	ment		
FL0060	20mm aggregates, 50mm	ga m	381.85	380.30	391.25	435.95
FL0060 FL0061	20mm river gravel, 50mm	sq.m sq.m	358.23		365.57	
		1				

Code	Description	Units P	PL (GP S	SJ '	ТН
Red Ox	ide Flooring					
Providing slurry etc.	& laying 40mm red oxide flooring, finished with a floating complete	coat of nea	t cement (re	ed oxide mixe	ed) includin	g cement
FL0070	Under layer of 30mm thick cement concrete 1:2:4, 12.5mm aggregates and top layer of 10mm thick plaster of cement red oxide mixed	sq.m	954.48	960.56	939.35	1019.12
Surfac	e Hardening					
cement ha	& laying 62mm thick flooring with sub-layer cement concirdener consisting of mix 1:2 (1 cement hardener: 2 6mm strolume in the ratio 4 parts of cement & 1 part of metallic h	one aggrega	ate), the met	allic hardeni	ing compou	
FL0075	50mm thick sub-layer and 12mm topping	sq.m	802.93	768.29	784.13	888.66
Extra for (Concrete flooring					
FL0080	Extra for making chequers on concrete floors, steps, landings, pavements etc.	sq.m	41.17	41.17	41.17	41.17
Terraz	zo-Marble Chip Flooring					
	size 1.5-3mm in proportion 1:2 (cement: chips), on 34mm (cement and marble powder mix shall be of the ratio 3 particles and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 particles are common and marble powder mix shall be of the ratio 3 part					2.5mm 1151.26 1291.39
Extra for o	coloured chips					
FL0095	Extra for coloured chips instead of black, white or black and white chips in top 6mm layer of marble chips flooring	sq.m	65.90	67.66	62.25	77.13
FL0096	Extra for coloured chips instead of black, white or black and white chips in top 10mm layer marble chips flooring	sq.m	106.05	108.88	100.17	124.12
	& laying 40mm thick marble chips flooring top layer 10mm in proportion 1:2 (cement : chips), on 30mm cement cond				nd white ma	arble chips
FL0105 FL0106	In grey cement In white cement	sq.m sq.m	1136.59 1323.67	1156.91 1340.61	1157.58 1352.34	1205.36 1386.52
Extra for T	Terrazzo Flooring					
FL0115	Extra for Providing & fixing glass strips in joints of	m	51.28	53.12	58.77	54.34
FL0116	terrazzo floors Extra for terrazzo flooring laid as floor borders, margins, bands, 75 < width > 300mm	sq.m	33.72	33.72	33.72	33.72

Code	Description	Units	PL	GP	SJ	TH
FL0117	Extra for laying terrazzo flooring on stair case treads, width	sq.m	50.58	50.58	50.58	50.58
FL0118	< 300mm including forming nosing Extra for laying terrazzo in narrow bands width <75mm	m	3.59	3.59	3.59	3.59
FL0119	Extra for making moulded nosing in terrazzo, including moulded returns, ends, angles	m	136.31	136.31	136.31	136.31
FL0120	Providing & fixing aluminium strip 40x1.6mm in joints of terrazzo floor	m	150.72	160.25	150.72	193.50
Skirtin	g					
_	& laying Cement plaster skirting < 300 mm height with cen ounding off junctions with floor	nent mor	tar 1:3 with	a floating coa	t of neat cen	nent
FL0130	20mm	sq.m	360.85	365.57	367.16	401.02
FL0131	22mm	sq.m	375.99	381.27	383.01	421.06
white mark FL0140 FL0141	ole chips size 4mm in proportion 1:2, laid on 12.5mm thick In grey cement In white cement	sq.m sq.m	1033.86 1167.82	1050.69 1182.20	1047.78 1187.23	1084.93 1214.61
Marble	Stone Flooring					
_	& laying marble stone flooring over 20mm thick base of ce nt where necessary, rubbing & polishing complete	ment mo	rtar 1:4, join	ted with grey	cement slu	rry mixed
with pignit	nt where necessary, rubbing & ponsining complete					
FL0150	20mm thick black marble	sq.m	2023.10	1944.95	2083.07	2439.64
FL0151	20mm thick white marble	sq.m	2122.43	1897.29	1866.55	2299.15
FL0152	20mm thick black and white marble	sq.m	1985.99	1956.93	1866.55	2482.59
FL0153	20mm thick coloured marble	sq.m	2362.43	2015.05 2625.36	2150.15	2653.20
FL0154 FL0155	40mm thick black marble 40mm thick white marble	sq.m	2669.01 2540.70	2538.06	2435.60 2050.91	2957.56 2725.91
FL0155	40mm thick white marble	sq.m sq.m	2628.00	2679.78	2138.21	2813.21
FL0157	40mm thick coloured marble	sq.m	2665.91	2924.21	2432.24	2953.76
Providing	& laying Kota stone flooring over 20mm thick base of cemo	ent mort	ar 1·4. iointe	d with grev c	ement slurry	v mixed
_	nt where necessary, rubbing & polishing complete		ar 1. 1, joine	u wien groj e	omene grant,	, inneu
FL0160	20mm	sq.m	1427.10	1611.55	1500.66	2042.58
FL0161	40mm	sq.m	1683.74	1781.48	1616.41	2288.50
Extras for	Marble stone flooring					
FL0170	Extra for marble stone flooring for laying in step-treads, width < 300 mm	sq.m	90.84	90.84	90.84	90.84
FL0171	Extra for marble stone flooring for nosing in step-treads	m	77.02	77.02	77.02	77.02

Code	Description	Units	PL (GP	SJ	TH
bedding in the joints v	and laying Pre-Polished/ Polished Granite of approved qua C.M. 1:4 upto 20 mm thick average cement slurry for fixi- with pigments of similar colour and at all levels with all lea I as per pattern required	ng the tile	s with requir	ed slopes, c	uring, cleani	ng, filling
FL0175	18mm Thick granite stone flooring over 18mm thick base of cement mortar 1:4.	sq.m	2446.08	2450.88	2113.92	2702.75
FL0176	20mm Thick granite stone flooring over 20mm thick base of cement mortar 1:4.	sq.m	2518.25	2571.17	2640.44	3135.79
FL0177	Extra, for granite stone flooring for laying in step-tread, width <300 mm	sq.m	90.84	90.84	90.84	90.84
FL0178	Extra, for granite stone flooring for nosing in step-treads	m	77.02	77.02	77.02	77.02
Timber	Flooring					
Providing of	& fixing Cement Bonded Particle board flooring including	nails/scre	ews etc. comp	lete excludi	ing the cost o	of frame
FL0180 FL0181	25mm 30mm	sq.m sq.m	1681.11 2044.10	1631.05 2031.49	1639.23 2041.99	2552.01 3046.85
Providing of	& fixing Plain Particle-Board Flooring fixing with necessa	ry screws	etc. complete	e, excluding	cost of fram	ie
FL0190	25mm	sq.m	1316.00	1390.90	1507.77	1638.64
FL0191	35mm	sq.m	1628.57	1682.53	1766.73	1963.95
Providing of	& fixing Class 'B' (conifer) Flooring including fixing with	iron screw	vs etc. comple	ete, excludir	ng the cost of	frame
FL0200	25mm thick, T&G	sq.m	654.82	684.57	713.14	673.07
FL0201	25mm thick, half-lapped	sq.m	611.45	641.20	669.77	629.70
FL0202	40mm thick, T&G	sq.m	914.18	960.09	1004.18	942.35
FL0203	40mm thick, half-lapped	sq.m	902.10	948.01	992.10	930.27
FL0204 FL0205	45mm thick, T&G	sq.m	984.88	1034.28 1015.41	1081.73	1015.19
	45mm thick, half-lapped	sq.m	966.01	1015.41	1062.86	996.32
Parquet flo	- C					
cost of fran	& fixing Parquet (wood block) flooring including blown bi ne	tumen un	derlay and ir	on screws e	tc. complete	, excluding
FL0210	38mm thick, Class 'A' (conifer) wood	sq.m	3912.97	3954.69	3994.76	3989.24
Providing of	& fixing Pre-Fabricated Flooring Profiles in Class 'B' (con	ifer) inclu	ıding necessa	ry screws e	tc. complete	
FL0215	25mm thick	sq.m	844.76	746.46	751.58	738.73
FL0216	38mm thick	sq.m	1036.17	970.22	977.54	959.18
Vinyl &	Linoleum Flooring					
_	& fixing 2mm thick Vinyl or Linoleum sheet laid with spen prepared surface @ 1.5 kg/sq.m each coat including the coat including			g 2 coat of b	itumen appl	ied over
FL0225	Over base of 25mm thick cement concrete 1:2:4, 12.5mm aggregate	sq.m	988.71	963.05	1247.11	1042.94
Mud flo						
FL0230	Providing & laying rammed mud flooring complete	sq.m	89.79	89.38	90.66	90.66

Code	Description	Units 1	PL	GP	SJ	TH
Chapter 14	: TILING - WALL & FLOOR					
GL0001	Providing & fixing white/ coloured Glazed tiles, 150 x 150 mm in skirting, step risers, dado, finished with flush-pointing in white cement	sq.m	2306.48	1987.59	2110.65	2059.30
_	& fixing white/ coloured glazed tiles in flooring, treads of s finished with flush pointing in white cement:	teps and la	andings laid	d on bed of 1	12mm thick c	ement
GL0005	for 150 x 150 mm	sq.m	1951.11	1632.22	2 1755.28	1703.93
GL0006	for 100 x 100 mm	sq.m	3821.83	3620.01	3046.24	3739.41
GL0007	for 200 x 100 mm	sq.m	2469.27	2998.32	1958.12	2438.14
GL0008	for 200 x 200 mm	sq.m	1656.65	1741.06	1761.37	1631.13
GL0009	for 300 x 300 mm	sq.m	1202.62	1347.76	1190.18	1375.69
Extra for la	aying glazed tiles					
GL0015	In treads of steps, width <300mm	sq.m	179.10	179.10	179.10	179.10
GL0016	In skirting, risers of steps, dado where tiles are required to be cut (only area of portion of cut tiles to be measured)	sq.m	1032.18	1032.18	1032.18	1032.18

Code	Description	Units I	PL G	SP S	SJ T	ГН
Chapter 1	5: ROOFING					
C.G.I Sh	eeting					
_	& fixing Corrugated Galvanised Iron (CGI) sheeting, inclu washers filled with white lead for connection, excluding the	_			a. with bitun	nen and
RF0001	24g	sq.m	697.66	694.63	716.03	745.51
_	& fixing Pre Painted Steel Corrugated Roofing sheets, incl washers filled with white lead for connection, excluding the	_				men and
_	25g (0.50mm) & fixing 600mm ridges or hips in plain G.I. including bolts, or connection	sq.m , hooks an	1016.74 d nuts 8mm d	948.29 lia G.I limpe	1016.74 et and bitum	1070.16 en
RF0005	24g.	m	519.17	569.22	566.03	587.54
_	& fixing 600mm ridges or hips in Pre Painted Steel sheets, i ashers for connection.	including	bolts, hooks a	and nuts 8m	m dia G.I lin	npet and
RF0007	25g. (0.50mm)	m	882.63	942.13	787.01	989.94
_	& fixing 450mm over all semi-circular plain G.I gutter, inclus, excluding the cost of pipes	luding bra	ckets, bolts, 1	nuts, washer	rs & rain wa	ter pipes
RF0010	24g sheet	m	514.19	584.13	570.85	619.23
Extra for	Galvanised Iron/ Pre Painted Steel sheets					
RF0015	Extra for Providing & fixing curved C.G.I/PPI sheet in	sq.m	13.68	13.68	13.68	13.68
RF0016	roofing Extra for Providing & fixing C.G.I/PPI sheets vertically or to a pitch > 60 degrees	sq.m	12.81	12.81	12.81	12.81
RF0017	Extra for making straight-cut openings for chimney, sky lights	m	163.99	163.49	167.07	172.01
Extra for 1	making opening or recess in CGI roofing of girth < 1 metre					
RF0025	Area upto 0.01sq.m	each	41.21	41.21	41.21	41.21
RF0026 RF0027	0.01 < Area < 0.04sq.m Area > 0.04 sq.m	each each	98.03 147.05	98.03 147.05	98.03 147.05	98.03 147.05
Wind B	Bracing					
RF0060	Providing & fixing wind tie of 40 x 6 mm flats	m	135.58	183.52	159.20	223.94
Thatch	ed Roofing					
RF0065	Providing & fixing 150mm thatched roofing, including straws/grass bundles, half split bamboo fillet, tying strings complete	sq.m	895.37	922.32	870.21	1034.31

Code	Description	Units	PL	GP S	SJ	TH
RF0066	Providing & fixing 25mm dia. bamboos at 225mm apart	sq.m	467.14	478.01	432.85	564.99
RF0067	including moonj ban(rope) or string Providing & fixing thatched coping to ridges and hips, girth <1 metre including tying and split bamboo wind tie complete	m	1648.70	1659.55	1614.25	1792.89
Slate R	Roofing					
RF0075	Providing & fixing single slate roofing including bitumen felt water-proofing etc complete, excluding the cost of wooden reapers, trusses	sq.m	977.17	983.48	929.00	1055.53
Concre	te Tiles Roofing					
Providing of frame w	& fixing PLAIN Pantile or Roman II concrete tiles-500mn vork	n x 250m	ım includinş	g tying wires b	out excluding	g the cost
RF0080	6mm	sq.m	254.82	249.01	245.00	249.31
RF0081	8mm	sq.m	286.79		282.03	293.93
RF0082	10mm	sq.m	296.31	296.31	291.40	305.89
Providing cost of fra	& fixing COLOURED Pantile or Roman concrete tiles-500 me work)mm x 25	50mm includ	ing tying wire	s but exclud	ling the
RF0090	6mm	sq.m	300.63	305.68	300.63	329.80
RF0091	8mm	sq.m	310.00		310.00	337.24
RF0092	10mm	sq.m	324.57	324.57	319.07	338.55
Providing work	& fixing PLAIN Super Roman concrete tiles-600mm x 330r	nm inclu	iding tying w	vires but exclu	ding the cos	at of frame
RF0100	10mm	sq.m	338.57	344.57	338.57	358.56
Providing frame wor	& fixing COLOURED Super Roman concrete tiles-600mm	x 330mm	n including (ying wires bu	t excluding	the cost of
RF0105	10mm	sq.m	374.17	380.84	374.17	396.64
Providing of frame w	& fixing PLAIN Semi-Sheet concrete tiles-600mm x 600mm	includii	ng tying wir	es but excludin	ng the cost	
RF0110	8mm	sq.m	2829.17	3667.53	3667.53	3994.16
Providing frame wor	& fixing COLOURED Semi-Sheet concrete tiles-600mm x 6	600mm ii	ncluding tyir	ng wires but ex	xcluding the	cost of
RF0115	8mm	sq.m	3387.55	4180.81	3994.16	4530.77
Providing	and fixing concrete tiles ridges or hips including tying wire	etc. com	plete			
RF0120	Plain	m	913.42	1096.57	1084.91	1163.65
RF0121	Coloured	m	2243.68	2461.44	1893.72	2636.42

Code	Description	Units	PL	GP	SJ	TH
Shingle	p Roofing					
RF0130	Providing & fixing shinglep roofing with shinglep of size 1350x125x12mm in 3 layers including tying, uplift protection complete	sq.m	819.99	832.58	815.78	827.67
Red-M	ud Plastic Sheeting					
RF0135	Providing & fixing red mud corrugated plastic sheeting, 1.5 mm thick	sq.m	607.27	630.40	620.37	624.95
RF0136	Providing & fixing red mud plastic sheet 600 mm ridging, 1.3mm thick	m	668.22	631.14	624.31	642.28
Corrug	ated Fibreglass Sheeting					
RF0150	P&f 1.2mm transparent sheet including 8mm G.I J or L hooks, bitumen & G.I limpet washers etc complete, excluding cost of frame	sq.m	740.35	719.76	781.54	957.42
Providing	& laying lime concrete terracing on roofing , average depth	100mm	I			
RF0155	including drainage fall, ramming, rounding at parapets	sq.m	1218.20	1283.99	1397.31	1465.29
RF0156	including drainage fall, ramming, rounding at parapets and under-coat of hot bitumen $80/100$	sq.m	1313.50	1379.22	1492.46	1580.02
_	& laying cement concrete terracing on roof with cement co 0\100 mixed with coarse sand	ncrete 1	:3:6, 20mm a	iggregates ov	ver a base co	at of
RF0165 RF0166	115mm average thickness Painting roof with bitumen including spreading sand, cleaning slab etc. complete	sq.m sq.m	610.16 108.27			744.71 131.78
Rain W	ater Pipe					
Providing etc. comple	& fixing C.I. rain water pipes & fittings with necessary screete	ews on t	he wall face i	including fill	ing joints	
RF0175 RF0176 RF0177 RF0178	100mm dia C.I pipes 100mm dia C.I. head for pipe 100mm dia C.I. bend for pipe 100mm dia C.I. shoes for pipe	m each each	1458.08 315.31 345.35 531.59	328.92 371.81	270.64 252.79	315.37 345.42
Providing	& fixing 100mm dia C.I. offset for rain water pipe on wall	face incl	uding filling	joints		
RF0185	75mm projection	each	457.10	414.71	419.37	457.19
RF0186	150mm projection	each	681.79	712.52	693.04	681.91
	and fixing on wall face single socketed rigid PVC (Workin th seal ring leaving $10\ \mathrm{mm}$ gap for thermal expansion- com		re 4kgf per s	q.cm) rain w	vater pipes ir	ncluding
RF0190	75mm dia	m	500.83			495.07
RF0191 RF0192	90mm dia 110mmdia	m m	583.35 632.17			581.67 591.14

Code	Description	Units F	PL G	SP S	SJ '	ГН
_	and fixing on wall face PVC coupler fo al expansion - complete	or rigid rain water pipes includ	ing jointing v	vith seal rin	g leaving 10	mm gap
RF0195	75 mm	each	177.44	183.74	180.04	210.07
RF0196 RF0197	90 mm 110 mm	each each	225.38 261.31	248.39 251.67	216.30 254.39	266.44 302.61
_	and fixing on wall face PVC Single tee p for thermal expansion - complete	with door for rigid rain water	pipes includi	ng jointing	with seal rin	ng leaving
RF0200	75 mm	each	228.18	235.82	215.43	265.28
RF0201	90 mm	each	312.87	302.67	290.96	353.55
RF0202	110 mm	each	351.13	359.12	351.60	407.98
	and fixing on wall face PVC plain Sing or thermal expansion - complete	de tee for rigid rain water pipo	es including j	ointing with	seal ring le	aving 10
RF0205	75 mm	each	207.77	225.90	201.43	242.34
RF0206	90 mm	each	300.62	284.94	262.96	315.44
RF0207	110 mm	each	331.89	338.69	314.66	378.82
_	and fixing on wall face PVC bend for xpansion - complete	rigid rain water pipes includin	g jointing wi	th seal ring	leaving 10 n	ım gap for
RF0210	75 mm	each	186.77	206.20	187.82	220.18
RF0211	90 mm	each	246.96	280.57	240.02	290.16
	110					
RF0212	110 mm	each	277.06	308.44	281.61	322.44
_	and fixing on wall face PVC shoe for i					
Providing	and fixing on wall face PVC shoe for i					322.44 m gap for 261.01
Providing thermal e	and fixing on wall face PVC shoe for i xpansion - complete	rigid rain water pipes including	g jointing wit	h seal ring l	eaving 10 m	m gap for

Code	Description	Units I	PL C	GP S	SJ '	ТН
Chapter 1	6: PLUMBING - INDOOR WORK					
Water	Supply					
Providing	& fixing G.I. pipes including G.I. fittings & clamps &	repair walls				
PI0001	15mm	m	242.62	267.78	253.20	290.47
PI0002	20mm	m	286.16	300.63	299.46	354.09
PI0003	25mm	m	354.41	369.50	376.50	426.62
PI0004	32mm	m	432.99	454.19	451.27	522.97
PI0005	40mm	m	516.04	543.22	551.97	632.30
PI0006	50mm	m	666.24	702.24	712.74	817.20
Providing	& fixing H.D.P.E pipes including clamps & repair wa	lls etc. complete	:			
PI0010	20mm	m	137.31	137.35	139.64	138.84
PI0011	25mm	m	161.35	160.03	161.89	162.44
PI0012	32mm	m	280.40	282.63	277.87	282.20
PI0013	40mm	m	272.59	276.87	266.05	275.42
PI0014	50mm	m	363.04	369.47	353.74	367.35
Polypropy	fusion welded, having thermal stability for hot and co ylene random fittings including fixing pipe with clamp ng good the wall complete as per direction of Engineer	s at 1.0m spacin	_	-		
PI0290	16mm	m	196.38	196.38	196.38	207.24
PI0291	20mm	m	218.65	218.65	218.65	230.92
PI0292	25mm	m	288.69	288.69	288.69	307.58
PI0293	32mm	m	489.84	489.84	489.84	520.53
PI0294	40mm	m	611.92	611.92	611.92	661.03
PI0295	50mm	m	903.46	903.46	903.46	980.90
CPVC P	ipe					
including jointing of	and fixing Chlorinated Polyvinyl Chloride (CPVC) p all CPVC plain & brass threaded fittings, including fi f pipes & fittings with one step CPVC solvent cement : Internal work - Exposed on wall	xing the pipe wi	th clamps at	1.00 m space	ing. This inc	cludes
PI0300	15 mm nominal outer dia Pipes	m	192.70	176.72	161.55	204.97
PI0300	20 mm nominal outer dia Pipes	m	250.68	226.58	184.95	239.13
PI0301	25 mm nominal outer dia Pipes	m	305.41	254.86	217.70	264.36
PI0303	32 mm nominal outer dia Pipes	m	532.90	359.02	305.70	401.68
PI0304	40 mm nominal outer dia Pipes	m	612.07	479.56	402.02	544.59
PI0304	50 mm nominal outer dia Pipes	m	875.77	753.74	606.75	795.13
110303	20 mm nominar outer dia 1 ipes	111	073.77	155.17	000.73	, , , , , , ,

Code	Description	Units	PL C	GP	SJ	TH
_	nd fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,	_		•		
_	Il CPVC plain & brass threaded fittings, i/c fixing the pipe		-		-	_
	ings with one step CPVC solvent cement and the cost of complete as per direction of Engineer in Charge. Concealed	_		~ ~		-
walls etc.	aprece us per un consen or angineer in Change Consenieu	., 011., 11.0		8	·	800#
PI0315	15 mm nominal outer dia Pipes	m	300.65	224.49	204.08	267.51
PI0316	20 mm nominal outer dia Pipes	m	367.62	280.53	224.49	302.42
PI0317 PI0318	25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes	m m	441.30 731.31	370.46 502.46	320.44 430.68	388.23 564.88
110310	32 mm nominar outer dia 1 ipes	m	731.31	302.40	430.00	304.00
Storage	Tanks					
Providing &	k fixing storage tank of M.S. sheet welded all round, inclu	ding 40m	m G.I scour r	oine, 25mm (G.I overflow	. 15mm
	pads for inlet and outlet pipes , red lead primer & two cos					,
PI0020	270 litre capacity of 2mm steel sheet	each	10438.53	10119.41	9622.37	11144.16
PI0021	810 litre capacity of 2.8mm steel sheet	each	20359.73	19415.61	18040.88	21912.20
PI0022	1620 litre capacity of 3.15mm steel sheet	each	28898.61	29069.35	26843.18	32984.79
Providing &	k fixing plastic tank including all accessories complete					
PI0030	270 litre capacity	each	2854.77	2765.39	3099.02	3501.36
PI0031	500 litre capacity	each	3946.92	4776.20	4977.42	5397.08
PI0032	1000 litre capacity	each	7218.33	8776.70	9100.41	9907.20
PI0033	2000 litre capacity	each	13646.30	16662.86	17581.51	18812.61
PI0034	3000 litre capacity	each	21012.58	24612.42	26009.35	27781.42
Pans & C	Cisterns					
Providing &	k fixing Indian-type vitreous china w.c squatting pan, incl	luding 100) mm H.C.I P	or S trap, 1	0 lit low leve	el vitreous
	n & fittings, repair walls	8		Τ,		
PI0040	500mm white	ag -1-	4333.87	4793.18	4154.79	5151 26
P10040 PI0041	500mm, white 580mm, white Orissa-model	each each	4333.87	4869.75	4134.79	5151.36 5251.46
PI0042	580mm, colour Orissa-model	each	4922.58	5344.83	4583.30	5801.02
	200,		.,,			
_	k fixing European-type vitreous china w.c pedestal includ	ing seat a	nd lid with c.	p brass hing	es, 15 lit whi	ite vitreous
china low lo	evel cistern, fittings, brackets, repair walls					
PI0050	white with plactic seat & lid	each	5147.65	5355.70	5050.85	5889.99
P10050 P10051	white, with plastic seat & lid coloured, with plastic seat & lid	each	6070.13	6209.92	5050.85 5250.97	5889.99 6797.74
110051	coloured, with plastic searce ha	cacii	0070.13	0207.72	3230.57	0/////
Foot Rests						
PI0060	Providing & fixing white vitreous china foot rests	pair	201.43	220.93	182.43	201.42
1 10000	(250x130x30mm) for Indian W.C	pan	401. 4 3	220.93	102.43	201. 4 2
	(250A150A50Hilli) for indian W.C					

Code	Description	Units	PL	GP	SJ	TH
Urinal	s					
_	& fixing white vitreous china flat back, lipped front urinal G.I. flush pipe & spreaders, brass unions, G.I. clamps, pain			m including	C.I cistern &	t fittings,
PI0065 PI0066	One bowl-5 litres. C.I. cistern Two bowls-10 litres. C.I. cistern	each each	4971.94 7472.06	4759.40 7478.87	4883.91 7807.74	5351.57 8175.54
PI0067	Three bowls-10 litres. C.I. cistern	each	9881.20	9813.71	10257.86	10820.20
Baths						
Providing	and fixing bath tubs with fittings and accessories complete					
PI0075	Porcelain, white enamelled, with a pair of 20mm C.P pillar tap, 40mm C.P brass waste, 32mm C.P brass over flow, rubber plug. 40mm C.P trap etc.	each	20365.11	19574.18	22890.91	19595.94
PI0076	Fibreglass tub, white	each	22401.35	22982.37	20774.84	22387.83
PI0077	P-Trap, heavy duty, for bath-tub	each	1098.02	1098.02	1108.23	1092.91
Basins	& Sinks					
_	& fixing white vitreous china wash basin, including C.I bram pvc waste, 32mm dia. trap & union, repair walls	ackets, 15	5mm C.P. br	ass pillar tap	s, c.p. chain	& rubber
PI0085	Flat back wash basin 630x450mm with a pair of 15mm c.p. brass pillar taps	each	5382.59	5321.09	5050.35	5745.32
PI0086	Flat back wash basin 630x450mm with single 15mm c.p. brass pillar taps	each	4785.28	4775.22	4545.62	5036.09
PI0087	Flat back wash basin 550x400mm with a pair of 15mm c.p. brass pillar taps	each	5229.11	5039.12	4855.93	5482.84
PI0088	Flat back wash basin 550x400mm with single 15mm c.p. brass pillar tap	each	4631.80	4493.25	4351.19	4773.61
_	& fixing white vitreous china angle back wash basin 400x4 n & rubber plug, 32mm c.p brass waste, 32mm dia c.p bras		_			ar taps, c.p
PI0095 PI0096	With single 15mm c.p. brass pillar tap With pair of 15mm c.p. brass pillar taps	each each	4493.57 5090.88	4385.23 4931.10	4333.11 4837.84	5130.87 5840.10
Flush Val	ve & Bend					
PI0105	Providing & fixing c.p. flush valve, 32mm with 40mm outlet	each	3730.02	3977.26	3960.02	3785.76
PI0106	Providing & fixing c.p. concealed flush valve, 32mm with 40mm outlet	each	3940.42	3977.26	3901.14	3677.81
PI0107 PI0108	Providing & fixing c.p. flush bend, long Providing & fixing c.p. flush valve elbow	each each	597.13 506.86	607.94 506.86	597.23 511.36	706.25 489.37
Pedestals (& Kitchen Sinks					
PI0115	Providing & fixing pedestals for basins, white vitreous china, recessed back for pipes and necessary fittings	each	1310.41	1709.96	1516.35	1156.86

Code	Description	Units	PL	GP	SJ	TH
Providing	& fixing Kitchen Sinks including all connections and fitting	s				
PI0120	White glazed vitreous china 600 x 450 x 250 mm including	each				
F10120	accessories and repairs to walls etc.	eacii	3328.17	3910.94	3897.07	4608.93
PI0121	Stainless steel, 450 x 400 x 150 mm, single bowl	each	1960.26			1901.93
PI0122	Stainless steel, 580 x 480 x 175 mm, single bowl	each	2053.58			2018.59
PI0123	Stainless steel, 940 x 460 x 160 mm, single bowl & drain-	each				
	board		2415.44	2271.96	2193.80	2765.41
PI0124	Stainless steel, 1080 x 520 x 175 mm, single bowl & drain-	each				
	board		2065.48	2179.73	2419.31	2590.43
PI0125	Stainless steel, 1150 x 515 x 175 mm, single bowl & drain-	each				
	board		3057.05	3036.07	3148.52	3348.68
PI0126	Stainless steel, 1740 x 520 x 200 mm, single bowl &	each				
	double drain-board		3570.56		4092.11	4182.99
PI0127	Stainless steel, 940 x 460 x 160 mm, double bowl	each	3043.63		3432.07	4806.87
PI0128	Stainless steel, 1150 x 520 x 160 mm, single bowl	each	3523.67	4352.62	4077.78	4573.56
PI0129	Stainless steel, 1740 x 520 x 200 mm, double bowl &	each	-0.1-1-	0.7.40.00	00	001505
	single drain-board		7945.12	8549.00	8578.75	8965.85
PI0130	Stainless steel, 1740 x 520 x 200 mm, double bowl &	each	7045 10	0250.12	0205.00	0006.50
	double drain-board		7945.12	9358.12	9395.80	9986.58
Drain Roas	rd, Rubber plug					
Di alli Duai	u, Kubbei piug					
PI0140	Providing & fixing stainless steel drain-board, 610 x 460	each	1433.14	1429.73	1463.97	1786.02
	mm with all necessary fittings					
PI0141	Providing & fixing c.p. brass chain & rubber plug for basin	each	248.42	255.84	249.38	245.27
	and sink					

Wastes	D '1' 0 C' 20 1'	1	105.25	105.64	141.06	122.20
PI0150	Providing & fixing 32mm dia pvc. waste	each	105.25			133.29
PI0151 PI0152	Providing & fixing 32mm c.p. brass waste Providing & fixing 40mm c.p. brass waste	each each	260.32 420.96		232.75 392.60	249.94 419.09
110132	1 Toviding & fixing 40ffin c.p. brass waste	Cacii	420.90	437.71	392.00	419.09
Water	Heaters					
D	0 6 '- Fl. 4 ' 4 . l. 4 . ' . l . l'					
Providing of	& fixing Electric water heater including necessary fittings					
PI0160	10 litres	each	7468.46		6299.00	8064.52
PI0161	15 litres	each	8286.71			8430.56
PI0162	25 litres	each	9270.56			9718.38
PI0163	35 litres	each	11619.06		10056.11	11176.56
PI0164	50 litres	each	13580.26		16094.56	15341.88
PI0165	70 litres	each	19470.76			21806.51
PI0166	100 litres	each	21987.69	25386.13	23877.37	24944.09
Water S	Supply Fittings					
Providing of	& fixing C.P. Brass shower fittings					
		an -1.	724 12	((0.50	712 75	712 71
PI0175	Shower with revolving joint, 15mm,	each	724.12			713.71
PI0176	Adjustable shower, with locking key, 15mm	each	869.76 564.16		1038.62	1192.23
PI0177 PI0178	Shower arm, standard 15mm	each	564.16		476.55 499.41	473.96 585.43
PI0178 PI0179	Shower arm, heavy duty 15mm Flexible shower tube & shower	each	432.83			
F101/9	rigature shower tude & shower	each	1218.74	1298.84	1030.54	1460.53

Code	Description	Units	PL	GP	SJ	TH
Providing &	k fixing c.p. brass stop cock					
PI0185 PI0186 PI0187 PI0188 PI0189	15mm, standard, c.p knob 20mm, standard, c.p knob 20mm, heavy-duty, c.p knob 15mm, concealed, c.p knob 15mm, angle, c.p knob	each each each each	615.97 597.13 1077.60 852.67 717.95	726.14	859.57 729.30	809.02 756.52 1252.31 861.51 760.31
Providing &	k fixing c.p. brass pillar-cock					
PI0195 PI0196	15mm, standard, c.p knob 15mm, swan neck, c.p knob	each each	621.86 930.31	570.42 928.15		733.77 931.51
Providing &	k fixing c.p. brass bibcock					
PI0205 PI0206 PI0207 PI0208	15mm, standard vertical, c.p knob 15mm, inclined, c.p. knob 15mm, long nose, c.p. knob 15mm, long body, c.p. knob	each each each	660.37 620.68 677.20 675.70		569.87 639.87	698.20 639.87 869.29 906.10
Providing &	& fixing c.p. brass mixers, 15mm					
PI0215 PI0216 PI0217 PI0218 PI0219 PI0220 PI0221 PI0222 PI0223 PI0224 PI0225	For basin, single-hole, casted spout For basin, close-hole For basin, elbow action, surgical For basin, elbow action, surgical with shower For sink, with spout J pipe For sink, with casted spout swinging For sink, with swivel spout For wall, non-telephonic type For wall, telephonic type with crutch and tel. shower For wall, telephonic type with crutch and without tel. shower	each each each each each each each each	2225.79 1876.03 2629.53 2997.09 2007.93 2352.98 2134.10 2841.69 3819.13 3345.13 3577.71	1962.21 2205.97	1486.78 3576.78	3128.51 2836.87 2902.54 3883.90 2891.31 2623.00 2703.32 3630.12 4049.11 3888.71 4075.36
PI0226	For wall, telephonic type with C.P bend & flanges	each	3442.29	2448.73	3197.95	4641.13
PI0227	For wall, with telephonic shower arrangement with 115mm long bend pipe for over head shower connection	each	4344.82	3878.83	4168.62	4917.27
PI0228 PI0229 PI0230 PI0231	Three hole mixer without pop-up Three hole mixer with pop-up For bath, with exposed adjustable legs with telephone shower arrangement with crutch For shower, three in one, with bend flexible tube, and	each each each	3837.73 4697.52 4353.75 5819.10	4255.91 4736.48	3655.89 4256.84 4383.78 5053.03	3589.49 4767.12 4708.24 5371.64
Providing &	shower & hook fixing Wall Spouts					
PI0240	C.p., standard, 15mm	each	579.64	686.70	579.64	682.73
PI0240 PI0241	With diverter, for use with single lever mixers	each	1118.73	1235.74		1149.16

Code	Description	Units	PL C	GP	SJ	TH
Bathro	om Accessories					
PI0250	Providing & fixing 600x450mm bevelled edge mirror (superior glass) incl.4mm A.C sheet base fixed to wooden cleats	each	1075.99	1181.94	1161.36	1298.76
PI0251	Providing & fixing 450x120mm glass shelf, including c.p brass brackets fixed to wooden cleats	each	1137.76	1066.86	1067.10	1335.99
PI0252	Providing & fixing c.p. towel rail 750 x 20mm with c.p brass brackets fixed to wooden cleats	each	1054.88	1017.90	988.97	1123.12
PI0253	Providing & fixing c.p. towel rail 600 x 20mm with c.p brass brackets fixed to wooden cleats	each	919.67	907.19	821.76	1008.41
PI0254	Providing & fixing c.p. towel rail 450 x 20mm with c.p brass brackets fixed to wooden cleats	each	736.09	789.95	662.33	875.23
PI0255	Providing & fixing c.p. towel ring	each	635.87	611.49	527.54	720.02
	& fixing toilet paper holder					
PI0260	C.P. brass	each	679.00	636.64	564.29	
PI0261	Recessed ceramic, 200 x 100 mm, coloured,	each	1062.10	1035.80	1035.80	1001.07
PI0262	Recessed ceramic, 200 x 100 mm, white	each	901.63	877.48	877.48	845.61
PI0263	Recessed ceramic, roll-type, 150 x 150 mm	each	876.40	852.98	852.98	822.05
-	tainer, Coat Hooks					
PI0270	Providing & fixing Liquid soap container, c.p, including c.p brass lid & brackets, wooden cleats, c.p brass screws	each	681.10	626.87	612.73	697.45
Providing	& fixing soap dish					
PI0275	including brackets, wooden cleats, c.p. brass screws	each	476.42	435.94	413.12	479.69
PI0276	Recessed, ceramic, 150x150 mm	each	651.65	663.43	663.32	663.20
PI0277	Recessed, ceramic, 200x100 mm	each	654.62	651.53	651.65	639.87
	& fixing c.p coat hook					
PI0285	Single	each	398.10	416.64	362.77	423.42
PI0286	Double	each	519.98	534.41	468.76	520.57

Providing & laying G.I. pipes including G.I. fittings (excluding trenching, refilling & thrust block) Providing & laying G.I. pipes including G.I. fittings (excluding trenching, refilling & thrust block) Providing & laying G.I. pipes including G.I. fittings (excluding trenching, refilling & thrust block) Providing & laying G.I. pipes including G.I. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 12.5 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 10 PN, including H.D.P.E. fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E. pipes, 10 PN, including H.D.P.E. fittings (excluding trenching, refilling, & laying, 12.5 points, 12.5 points, 12.5 points, 12.5 points, 1	Code	Description	Units	PL	GP	SJ	TH
Providing	Chapter 1	7: PLUMBING - OUTDOOR WORK					
P00001 15mm	Extern	al Water Supply Pipework					•
PO0002 20mm	Providing	& laying G.I. pipes including G.I. fittings (excluding trenc	hing, refil	lling & thrus	st block)		
PO0002 20mm	PO0001	15mm	m	157.18	182.34	167.76	205.03
PO0004 32mm	PO0002	20mm	m			204.51	
PO0005	PO0003	25mm	m	255.89	270.97	277.97	328.09
PO0000 Somm	PO0004	32mm	m	321.66	342.85	339.94	411.63
PO0007 65mm	PO0005	40mm	m	372.88	400.06	408.81	489.14
PO0000	PO0006	50mm	m	486.54	522.55	533.05	637.50
PO0009	PO0007	65mm	m	628.22	690.98	685.15	831.00
PO0010 150mm	PO0008	80mm	m	782.51	860.13	892.21	1062.68
Providing & laying H.D.P.E pipes, 12.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block)	PO0009	100mm	m	1129.95	1172.45	1376.60	1535.98
PO0640 20mm	PO0010	150mm	m	1750.96	1559.35	1950.15	2442.59
PO0641 25mm	Providing	& laying H.D.P.E pipes, 12.5 PN, including H.D.P.E fitting	gs (exclud	ing trenchin	g, refilling &	thrust block	x)
PO0641 25mm	DO0640	20		52.70	<i>52.20</i>	52.02	52 (2
PO0642 32mm							
PO0643 40mm m 147.49 151.87 141.61 150.77 PO0644 50mm m 215.52 222.60 206.47 220.67 PO0646 75mm m 343.38 334.75 328.30 351.42 PO0646 75mm m 468.16 484.50 446.24 479.63 PO0647 90mm m 663.90 685.36 638.08 680.25 PO0649 140mm m 1549.44 1604.82 147.05 1589.01 PO0650 160mm m 1988.61 2060.35 1895.73 2040.14 PO0651 225mm m 3824.86 3965.29 3645.32 3926.45 PO0653 280mm m 4345.30 4501.48 4493.00 4545.61 PO0653 280mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0656							
PO0644 50mm m 215.52 222.60 206.47 220.67 PO0645 63mm m 343.38 354.75 328.30 351.42 PO0646 75mm m 468.16 484.50 446.24 479.63 PO0647 90mm m 663.90 685.36 638.08 680.25 PO0648 110mm m 966.44 1101.13 920.13 991.02 PO0649 140mm m 1549.44 1604.82 1477.05 1589.01 PO0650 160mm m 1988.61 2060.35 1895.73 2040.14 PO0651 225mm m 3824.86 3965.29 3645.32 3926.45 PO0652 250mm m 4435.30 4501.48 4493.00 4455.61 PO0652 250mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 6819.63 7064.81 7086.83 7169.89 PO0656							
PO0645 63mm m 343.38 354.75 328.30 351.42 PO0646 75mm m 468.16 484.50 446.24 479.63 PO0647 90mm m 663.90 685.36 638.08 680.25 PO0648 110mm m 966.44 1001.13 920.13 991.02 PO0649 140mm m 1549.44 1604.82 1477.05 1589.01 PO0650 160mm m 1988.61 2060.35 1895.73 2040.14 PO0651 225mm m 1982.66 3965.29 3645.32 3926.45 PO0652 250mm m 4435.30 4501.48 4493.00 4545.61 PO0653 280mm m 6819.63 7594.41 5615.33 5681.41 PO0655 355mm m 8619.03 7964.81 786.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0655<							
P00646 75mm m 468.16 484.50 446.24 479.63 P00647 90mm m 663.90 685.36 638.08 680.25 P00648 110mm m 964.41 1001.13 920.13 991.02 P00649 140mm m 1549.44 1604.82 1477.05 1589.01 P00650 160mm m 1988.61 2060.35 1895.73 2040.14 P00651 225mm m 3824.86 3965.29 3645.32 3926.45 P00653 280mm m 4435.30 4501.48 4493.00 4454.61 P00653 280mm m 5404.73 5598.41 5615.33 5681.41 P00654 315mm m 6819.63 7064.81 7086.83 7169.89 P00655 355mm m 8634.17 8945.50 8972.52 9078.93 P00656 400mm m 1157.89 11561.40 11596.70 11734.34 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
PO0647 90mm m 663.90 685.36 638.08 680.25 PO0648 110mm m 966.44 1001.13 920.13 991.02 PO0649 140mm m 1549.44 1604.82 1477.05 1589.01 PO0650 160mm m 1988.61 2060.35 1895.73 2040.14 PO0651 225mm m 3824.86 3965.29 3645.32 2926.45 PO0652 25mm m 43435.30 4501.48 4493.00 4545.61 PO0653 280mm m 5404.73 5598.41 5615.33 5681.41 PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0656 400mm m 1157.89 11561.40 11596.70 11734.34 Poviding & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrus thock) trest block) 11596.70							
PO0648 110mm m 966.44 1001.13 920.13 991.02 PO0649 140mm m 1549.44 1604.82 1477.05 1589.01 PO0650 160mm m 1988.61 2060.35 1895.73 2040.14 PO0651 225mm m 3824.86 3965.29 3645.32 3926.45 PO0652 250mm m 4435.30 4501.48 4493.00 4545.61 PO0653 280mm m 649.73 5598.41 5615.33 5681.41 PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0656 400mm m 1157.89 11561.40 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) 11596.70 11734.34 Po0015 25mm m 62.82 61.51 63.36 63							
PO0649 140mm m 1549.44 1604.82 1477.05 1589.01 PO0650 160mm m 1988.61 2060.35 1895.73 2040.14 PO0651 225mm m 3824.86 3965.29 39645.32 3926.45 PO0652 250mm m 4435.30 4501.48 4493.00 4545.61 PO0653 280mm m 5404.73 5598.41 5615.33 5681.41 PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 6819.63 7064.81 7086.83 7169.89 PO0656 400mm m 8634.17 8945.50 8972.52 9078.93 PO0656 400mm m 11157.89 11561.40 11596.70 11734.34 PO0016 32mm m 62.82 61.51 63.36 63.92 PO0017 40mm m 88.86 91.09 86.33 90.66 P							
PO0650 160mm m 1988.61 2060.35 1895.73 2040.14 PO0651 225mm m 3824.86 3965.29 3645.32 3926.45 PO0652 250mm m 4435.30 4501.48 4493.00 4545.65 PO0653 280mm m 5404.73 5598.41 5615.33 5681.41 PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0656 400mm m 11157.89 11561.40 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & trust block) trust block trust block<							
PO0651 225mm m 3824.86 3965.29 3645.32 3926.45 PO0652 250mm m 4435.30 4501.48 4493.00 4545.61 PO0653 280mm m 5404.73 5598.41 5615.33 5681.41 PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0656 400mm m 11157.89 11561.40 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) 11734.34 Providing & laying							
PO0652 250mm m 4435.30 4501.48 4493.00 4545.61 PO0653 280mm m 5404.73 5598.41 5615.33 5681.41 PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0656 400mm m 1157.89 11561.40 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling							
PO0653 280mm m 5404.73 5598.41 5615.33 5681.41 PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0656 400mm m 11157.89 11561.40 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) PO0015 25mm m 62.82 61.51 63.36 63.92 PO0016 32mm m 88.86 91.09 86.33 90.66 PO0017 40mm m 129.43 133.71 122.89 132.26 PO0018 50mm m 183.34 189.77 174.04 187.65 PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 298.43 308.16 285.25 305.25 PO0021 90mm <							
PO0654 315mm m 6819.63 7064.81 7086.83 7169.89 PO0655 355mm m 8634.17 8945.50 8972.52 9078.93 PO0656 400mm m 11157.89 11561.40 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) trenching, refilling & thrust block) PO0015 25mm m 62.82 61.51 63.36 63.92 PO0016 32mm m 88.86 91.09 86.33 90.66 PO0017 40mm m 129.43 133.71 122.89 132.26 PO0018 50mm m 183.34 189.77 174.04 187.65 PO0018 50mm m 183.34 189.77 174.04 187.65 PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021							
PO0655 PO0656							
P00656 400mm m 11157.89 11561.40 11596.70 11734.34 Providing & laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) P00015 25mm m 62.82 61.51 63.36 63.92 P00016 32mm m 88.86 91.09 86.33 90.66 P00017 40mm m 129.43 133.71 122.89 132.26 P00018 50mm m 183.34 189.77 174.04 187.65 P00019 63mm m 298.43 308.16 285.25 305.25 P00020 75mm m 402.45 416.01 384.47 412.10 P00021 90mm m 866.00 585.96 538.86 579.83 P00022 110mm m 814.89 844.10 775.95 835.35 P00023 140mm m 1181.81 1182.10 1241.18 1208.32 P00025 225mm m 3213.							
PO0015 25mm m 62.82 61.51 63.36 63.92 PO0016 32mm m 88.86 91.09 86.33 90.66 PO0017 40mm m 129.43 133.71 122.89 132.26 PO0018 50mm m 183.34 189.77 174.04 187.65 PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0665 250mm m 3213.91 3338.36 3044.43 3299.35 PO0666 280mm							
PO0015 25mm m 62.82 61.51 63.36 63.92 PO0016 32mm m 88.86 91.09 86.33 90.66 PO0017 40mm m 129.43 133.71 122.89 132.26 PO0018 50mm m 183.34 189.77 174.04 187.65 PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0665 250mm m 3213.91 3338.36 3044.43 3299.35 PO0666 280mm	Providing	& laying H.D.P.E pipes, 10 PN, including H.D.P.E fittings	(excludin	g trenching,	refilling & t	hrust block)	
PO0016 32mm m 88.86 91.09 86.33 90.66 PO0017 40mm m 129.43 133.71 122.89 132.26 PO0018 50mm m 183.34 189.77 174.04 187.65 PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0655 250mm m 3213.91 3338.36 3044.43 3299.35 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 31	_				_		63.92
PO0017 40mm m 129.43 133.71 122.89 132.26 PO0018 50mm m 183.34 189.77 174.04 187.65 PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0655 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04							
PO0018 50mm m 183.34 189.77 174.04 187.65 PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0655 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
PO0019 63mm m 298.43 308.16 285.25 305.25 PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0655 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0020 75mm m 402.45 416.01 384.47 412.10 PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0025 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0021 90mm m 566.00 585.96 538.86 579.83 PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0025 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0022 110mm m 814.89 844.10 775.95 835.35 PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0025 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0023 140mm m 1181.81 1182.10 1241.18 1208.32 PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0025 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0024 160mm m 1486.66 1477.21 1589.97 1519.92 PO0025 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0025 225mm m 3213.91 3338.36 3044.43 3299.35 PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0665 250mm m 3709.92 3764.94 3757.95 3801.63 PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0666 280mm m 4512.22 4673.02 4686.76 4741.93 PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0667 315mm m 5694.96 5898.72 5916.78 5986.04 PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							
PO0668 355mm m 7218.02 7477.18 7500.33 7588.25							

Providing & laying H.D.P.E Pipes, 6 PN. including H.D.P.E fittings (excluding trenching, refilling & thrust block)	Code	Description	Units	PL	GP	SJ	TH
PO0031 40mm	Providing	& laying H.D.P.E Pipes, 6 PN, includi	ing H.D.P.E fittings (excluding	g trenching,	refilling & th	rust block)	
PO0031 40mm	PO0030	32mm	m	79.76	80.65	80.46	81.24
P00032 50mm							
P00033 63mm							
P00045 P0007							
PO0035 90mm							
P00036							
PO0037							
PO0063							
PO00679 225mm							
PO0675 250mm							
P00676 280mm							
PO0677 315mm							
P00678 355 mm							
PO00679 A00mm			m			4865.10	4921.86
PO0045							
P00046 50mm	Providing	& laying H.D.P.E Pipes, 4 PN, includi	ing H.D.P.E fittings (excluding	g trenching,	refilling & th	rust block)	
P00046 50mm	PO0045	40mm	m	86 92	94 03	96 76	88 31
PO0047							
PO0048 75mm m 220.01 222.63 222.03 224.38 PO0049 90mm m 309.93 313.75 313.23 316.30 PO0050 110mm m 411.57 426.46 389.70 421.10 PO0051 140mm m 659.97 679.33 637.78 675.09 PO0052 160mm m 830.67 857.01 798.76 850.48 PO00632 225mm m 1502.32 1562.03 1415.87 1541.06 PO0685 225mm m 1721.73 1746.17 1743.15 1762.46 PO0686 280mm m 2108.13 21180.36 2181.01 2211.31 PO0688 355mm m 2108.13 2148.03 2218.34 2744.02 PO0688 355mm m 2108.13 2148.03 2141.03 224.03 PO0689 400mm m 304.12 3304.92 3419.92 3430.24 3469.20 PO0689 400mm m 306.11 309.78 309.21 312.23 PO0068 255mm m 306.11 300.67 306.67 30							
PO0049 90mm m 309.93 313.75 312.32 316.30 PO0050 110mm m 411.57 426.46 389.70 421.10 PO0051 140mm m 639.97 679.33 637.78 675.09 PO0052 160mm m 830.67 857.01 798.76 850.48 PO0053 225mm m 1502.32 1562.03 1415.87 1541.06 PO0685 225mm m 1721.73 1746.17 1743.15 1762.46 PO0686 280mm m 2018.13 2180.36 2181.01 2211.31 PO0687 315mm m 2615.04 2705.32 2713.43 2744.02 PO0688 355mm m 3304.92 3419.92 3430.24 3469.20 PO0689 400mm m 3178.61 5361.84 5377.82 5440.36 Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) PO0060 110mm m 306.11 309.78 309.21 312.23 PO0061 140mm m 492.61 498.63 497.79 502.65 PO0062 160mm m 608.03 615.83 614.45 621.03 PO0063 225mm m 307.78 309.21 312.23 PO0063 225mm m 608.03 615.83 614.45 621.03 Poviding and fixing 3-layer PP-R (Polypropylene Random Copolymer) PN 16 pipes, SDR 7.4 UV Stabilized and antimicrobial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass Threaded Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge. PO0700 16mm m 110.94 110.94 110.94 121.80 PO0701 20mm m 130.67 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 209.05 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 152.18 1627.18 1802.49 PO0706 63mm m 1627.18 1627.18 1802.49 PO0707 75mm m 1627.18 1627.18 1802.49 PO0707 75mm m 1627.18 1627.18 1802.49 PO0708 50mm m 1627.18 1627.18 1802.49 PO0709 75mm m 1627.18 1627.18 1802.49 PO0709 75mm m 1627.18 1627.18 1802.49 PO0709 75mm m 1627.18 1627.18 1802.49							
PO0050							
PO0051							
PO0052 160mm							
PO0053 225mm m 1502.32 1562.03 1415.87 1541.06 PO0685 250mm m 1721.73 1746.17 1743.15 1762.46 PO0686 280mm m 2108.13 2180.36 2181.01 2211.31 PO0687 315mm m 2615.04 2705.32 2713.43 2744.02 PO0688 355mm m 3304.92 3419.92 3430.24 3469.20 PO0689 400mm m 5178.61 5361.84 5377.82 5440.36 Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) PO0060 110mm m 306.11 309.78 309.21 312.23 PO0061 140mm m 492.61 498.63 497.79 502.65 PO0062 160mm m 608.03 615.83 614.45 621.03 PO0063 225mm m 1079.77 1094.83 1092.73 1104.87 Providing and fixing 3-layer PP-R (Polypropylene Random Copolymer) PN 16 pipes, SDR 7.4 UV Stabilized and antimicrobial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass Threaded Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge. PO0700 16mm m 110.94 110.94 110.94 110.94 121.80 PO0701 20mm m 130.67 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 1159.68 1159.68 1159.68 1253.05 PO0706 63mm m 1159.68 1159.68 1159.68 1253.05 PO0707 75mm m 1627.18 1627.18 1627.18 1802.49							
P00685 250mm m 1721.73 1746.17 1743.15 1762.46 P00686 280mm m 2108.13 2180.36 2181.01 2211.31 P00687 315mm m 2615.04 2705.32 2713.43 2744.02 P00688 355mm m 3304.92 3419.92 3430.24 3469.20 P00689 400mm m 5178.61 5361.84 5377.82 5440.36 Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block)							
P00686 280mm m 2108.13 2180.36 2181.01 2211.31 P00687 315mm m 2615.04 2705.32 2713.43 2744.02 P00688 355mm m 3304.92 3419.92 3430.24 3469.20 P00689 400mm m 5178.61 5361.84 5377.82 5440.36 Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) P00660 110mm m 306.11 309.78 309.21 312.23 P0061 140mm m 492.61 498.63 497.79 502.65 P0062 160mm m 608.03 615.83 614.45 621.03 P00063 225mm m 1079.77 1094.83 1092.73 1104.87 Providing and fixing 3-layer PP-R (Polypropylene Random Copolymer) PN 16 pipes, SDR 7.4 UV Stabilized and antimicrobial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass Threaded Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge.							
P00687 315mm m 2615.04 2705.32 2713.43 2744.02 P00688 355mm m 3304.92 3419.92 3430.24 3469.20 P00689 400mm 5178.61 5361.84 5377.82 5440.36 Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) P00060							
P00688 355mm m 3304.92 3419.92 3430.24 3469.20 P00689 400mm 400mm m 5178.61 5361.84 5377.82 5440.36 Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block)							
Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing & laying H.D.P.E Pipes, 2.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block) Providing 1 decomposed on the providing 1 decomposed on the providing 1 decomposed on the providing 2 decomposed on the providing 3 decomposed on the providing 4 decomposed on the providi							
PO0060							
PO0061 140mm m 492.61 498.63 497.79 502.65 PO0062 160mm m 608.03 615.83 614.45 621.03 PO0063 225mm m 1079.77 1094.83 1092.73 1104.87 Providing and fixing 3-layer PP-R (Polypropylene Random Copolymer) PN 16 pipes, SDR 7.4 UV Stabilized and antimicrobial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass Threaded Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge. PO0700 16mm m 110.94 110.94 110.94 110.94 121.80 P00701 20mm m 130.67 130.67 130.67 142.94 P00702 25mm m 190.17 190.17 190.17 209.05 P00703 32mm m 298.30 298.30 298.30 328.99 P00704 40mm m 468.76 468.76 468.76 468.76 517.87 P00705 50mm m 723.76 723.76 723.76 801.20 P00706 63mm m 1159.68 1159.68 1159.68 1283.05 P00707 75mm m 1627.18 1627.18 1627.18 1802.49	Providing	& laying H.D.P.E Pipes, 2.5 PN, inclu	ding H.D.P.E fittings (excludi	ng trenching	, refilling &	thrust block)
PO0061 140mm m 492.61 498.63 497.79 502.65 PO0062 160mm m 608.03 615.83 614.45 621.03 PO0063 225mm m 1079.77 1094.83 1092.73 1104.87 Providing and fixing 3-layer PP-R (Polypropylene Random Copolymer) PN 16 pipes, SDR 7.4 UV Stabilized and antimicrobial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass Threaded Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge. PO0700 16mm m 110.94 110.94 110.94 121.80 P00701 20mm m 130.67 130.67 130.67 142.94 P00702 25mm m 190.17 190.17 190.17 209.05 P00703 32mm m 298.30 298.30 298.30 328.99 P00704 40mm m 468.76 468.76 468.76 468.76 517.87 P00705 50mm m 723.76 723.76 723.76 801.20 P00706 63mm m 1159.68 1159.68 1159.68 1283.05 P00707 75mm m 1627.18 1627.18 1627.18 1802.49	PO0060	110mm	m	306.11	309.78	309.21	312.23
PO0062 160mm m 608.03 615.83 614.45 621.03 PO0063 225mm m 1079.77 1094.83 1092.73 1104.87							
Providing and fixing 3-layer PP-R (Polypropylene Random Copolymer) PN 16 pipes, SDR 7.4 UV Stabilized and antimicrobial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass Threaded Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge. P00700 16mm m 110.94 110.94 110.94 110.94 121.80							
microbial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass Threaded Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge. PO0700 16mm m 110.94 110.94 121.80 PO0701 20mm m 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1802.49	PO0063	225mm	m	1079.77	1094.83	1092.73	1104.87
Polypropylene random fittings excluding trenching, refilling but including testing of joints complete as per direction of Engineer-in- Charge. PO0700 16mm m 110.94 110.94 110.94 110.94 121.80 PO0701 20mm m 130.67 130.67 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1627.18 1802.49	_		- · · · · · · · · · · · · · · · · · · ·				
Engineer-in- Charge. PO0700 16mm m 110.94 110.94 110.94 121.80 PO0701 20mm m 130.67 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1802.49			•	•	-		
PO0700 16mm m 110.94 110.94 121.80 PO0701 20mm m 130.67 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1802.49	Polypropy	lene random fittings excluding trench	ing, refilling but including tes	sting of joint	s complete as	s per directio	on of
PO0701 20mm m 130.67 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1802.49	Engineer-	in- Charge.					
PO0701 20mm m 130.67 130.67 130.67 142.94 PO0702 25mm m 190.17 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1802.49	PO0700	16mm	m	110.94	110.94	110.94	121.80
PO0702 25mm m 190.17 190.17 190.17 209.05 PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1802.49							
PO0703 32mm m 298.30 298.30 298.30 328.99 PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1802.49			m	190.17	190.17	190.17	209.05
PO0704 40mm m 468.76 468.76 468.76 517.87 PO0705 50mm m 723.76 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1627.18 1802.49			m	298.30	298.30	298.30	328.99
PO0705 50mm m 723.76 723.76 801.20 PO0706 63mm m 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1627.18 1802.49			m	468.76	468.76	468.76	517.87
PO0706 63mm m 1159.68 1159.68 1283.05 PO0707 75mm m 1627.18 1627.18 1627.18 1802.49			m	723.76	723.76	723.76	801.20
PO0707 75mm m 1627.18 1627.18 1802.49							
			m	1670.13	1670.13		1848.86

Code	Description	Units	PL	GP S	SJ	TH
Providing	and fixing 3-layer PP-R (Polypropylene Random Copolyn	ner) PN 10	pipes, SDR	7.4 UV Stab	ilized and a	nti
	fusion welded, having thermal stability for hot and cold wa		•	-		
	lene random fittings excluding trenching, refilling but inc	luding tes	ting of joints	complete as	per directio	n of
Engineer-i	n- Charge.					
PO0709	110mm	m	2442.41	2442.41	2442.41	2706.26
			5118.26	5118.26	5118.26	5675.71
PO0710	160mm	m	3110.20	3116.20	3116.20	30/3./1
Providing	and Laying Ductile Iron K - 9 pipes excluding trenching,	refilling &	thrust block	x.		
PO0065	80 mm	m	1485.60	1197.60	1186.23	1196.93
PO0066	100 mm	m	1639.00	1389.12	1375.89	1388.33
PO0067	150 mm	m	2201.81	2027.21	2007.96	2026.08
PO0068	200 mm	m	3029.11	2785.62	2759.09	2783.58
PO0069	250 mm	m	4211.93	3700.45	3665.20	3697.88
PO0070	300 mm	m	4677.51	4677.51	4632.98	4674.89
PO0071	350 mm	m	5860.56	5860.56	5804.70	5857.27
PO0072	400 mm	m	6986.20	6986.20	6919.74	6982.29
PO0073	450 mm	m	8243.66	8243.66	8165.25	8239.06
PO0074	500 mm	m	9660.93	9660.93	9569.02	9655.52
PO0075	600 mm	m	13237.54	13237.54	13111.49	13230.12
Providing	and Laying Ductile Iron K - 7 pipes excluding trenching,	refilling &	thrust block	ζ.		
PO0078	100 mm	m	1398.11	1178.91	1167.73	1178.26
PO0078	150 mm	m	1853.01	1829.09	1811.76	1828.08
		m				
PO0080	200 mm	m	2083.03	2402.29	2379.50	2400.95
PO0081	250 mm	m	2866.90	3163.43	3133.40	3161.66
PO0082	300 mm	m	3982.74	3963.84	3926.23	3961.63
PO0083	350 mm	m	4939.11	4986.48	4939.11	4961.21
PO0084	400 mm	m	5876.61	5932.84	5876.61	5929.53
PO0085	450 mm	m	6873.92	6939.68	6873.92	6935.81
PO0086	500 mm	m	8107.91	8185.48	8107.91	8180.92
PO0087	600 mm	m	10982.71	11087.90	10982.71	11081.70
_	and Laying Double Flanged (Screwed or Welded) Centrift thrust block.	ugally Spu	ın Ductile Iro	on K-9 Pipes	excluding tr	enching,
PO0090	100 mm		2344.96	2367.49	2344.96	2365.79
PO0090	150 mm	m				
		m	3379.36	3411.85	3379.36	3409.69
PO0092	200 mm	m	4748.85	4794.57	4748.85	4790.99
PO0093	250 mm	m	6245.02	6305.15	6245.02	6309.59
PO0094	300 mm	m	7748.28	7822.83	7748.28	7818.16
PO0095	350 mm	m	9605.40	9697.76	9605.40	9691.56
PO0096	400 mm	m	11516.78	11627.48	11516.78	11620.81
PO0097	450 mm	m	15547.74	15697.08	15547.74	15687.68
PO0098	500 mm	m	18330.81	18506.35	18330.81	18495.41
PO0099	600 mm	m	23934.50	24163.09	23934.50	24148.88
Brass Fitt	ings					
Providing	& fixing brass stop cock					
PO0100	15mm	each	440.03	395.06	466.27	584.09
PO0101	20mm	each	591.68	495.15	454.61	592.26
PO0102	25mm	each	693.75	611.98	536.27	762.58
_ 55102			0,5.15	011.70	220.27	, 52.50

Code	Description	Units	PL	GP	SJ	TH
Providing &	k fixing brass full way valve with wheel					
PO0105	32mm	each	1111.27	1325.38	1325.38	1291.61
PO0106	40mm	each	1353.85	1609.07	1609.07	1633.99
PO0107	50mm	each	1678.49	2008.98	2008.98	2214.93
PO0108	65mm	each	2927.93	3606.88	3606.88	3805.52
PO0109	80mm	each	3885.18	5076.49	5076.49	5210.05
Providing &	k fixing non-return valve					
PO0110	50mm	each	1832.69			2542.73
PO0111	65mm	each	3582.13		4009.32	4496.70
PO0112	80mm	each	5397.67	6004.88	6317.69	6558.00
Providing &	k fixing brass bibcock					
PO0114	15mm, brass	each	367.12	334.06	285.46	372.95
H.D.P.E Fi	ttings (Butt-Welded-Type)					
Providing &	k fixing H.D.P.E, Equal Tee butt-welded-type fittings					
PO0115	20mm	each	75.48			84.23
PO0116	25mm	each	98.81	96.89		111.06
PO0117	32mm	each	116.31	124.94		159.47
PO0118	50mm	each	174.64		174.64	174.64
PO0119	63mm	each	267.96		267.96	267.96
PO0120	90mm	each	361.28			419.61
PO0121 PO0122	110mm 160mm	each each	580.01 1609.49	580.01 1644.49	580.01 1761.14	545.99 2072.22
FO0122	Toonin	eacii	1009.49	1044.49	1/01.14	2072.22
Providing &	k fixing H.D.P.E Elbow					
PO0125	32mm	each	76.87	95.18	71.67	95.31
PO0126	50mm	each	143.22	158.40	132.18	183.38
PO0127	63mm	each	228.15			311.51
PO0128	90mm	each	301.01	362.60		459.66
PO0129	110mm	each	451.69	503.37	571.32	567.37
Providing &	k fixing H.D.P.E Reducer					
PO0130	90 x 50mm	each	288.43	281.87	283.27	282.54
PO0131	90 x 63mm	each	314.74			302.96
PO0132	110 x 63mm	each	329.20	316.01	304.44	329.20
PO0133	110 x 90mm	each	800.21	785.87	875.97	769.58
Providing &	k fixing H.D.P.E Blank End (Cap)					
PO0140	50mm	each	134.42	112.05	114.48	130.89
PO0141	63mm	each	160.31	140.62		
PO0142	90mm	each	339.67			
PO0143	110mm	each	364.14			405.03
PO0144	160mm	each	618.60	566.86	578.85	691.81

Code	Description	Units	PL	GP	SJ	TH
Providing	and fixing push on joints to Centrifugally Spun D.I pipes in	ncluding	the cost of r	ubber gasket	s	
PO0150	80 mm	each	95.32	88.99	88.99	85.68
PO0151	100 mm	each	113.19	105.96	105.96	
PO0152	150 mm	each	175.84	164.77	164.77	
PO0153	200 mm	each	269.97	258.66	258.66	
PO0154	250 mm	each	307.58	321.91	321.91	310.99
PO0155	300 mm	each	463.53	433.72	433.72	
PO0156	350 mm	each	513.39	478.88	478.88	
PO0157	400 mm	each	627.84	689.66	689.66	
PO0158	450 mm	each	729.38	736.70	736.70	
PO0159	500 mm	each	971.29		965.89	
PO0160	600 mm	each	1302.76	1295.26	1295.26	
Soil W	aste Pipework					
	Pipe and Fitting					
Providing	lead-caulked joints to C.I pipes and fittings					
PO0162	50mm dia pipe	each	173.29	181.10	187.03	169.33
PO0163	75mm dia pipe	each	211.77	220.70	227.47	207.24
PO0164	100mm dia pipe	each	251.18	261.13	268.67	246.14
PO0165	150mm dia pipe	each	369.14	387.01	400.56	360.09
Providing	& fixing C.I Soil Waste and Vent pipes					
PO0166	50mm dia	m	400.63	413.00	463.65	
PO0167	75mm dia	m	606.99		587.07	
PO0168	100mm dia	m	675.71	703.58	831.05	
PO0169	150mm dia	m	899.03	908.32	951.15	1093.84
Waste	Fittings & Accessories					
Providing	& fixing C.I door bend including fittings					
PO0170	50mm dia	each	266.19	274.82	279.80	259.21
PO0171	75mm dia	each	266.19			
PO0172	100mm dia	each	266.19		406.75	426.61
Providing	& fixing C.I plain bend including fittings					
PO0180	50mm dia	each	205.51	167.99	213.60	235.88
PO0181	75mm dia	each	218.48		225.50	
PO0182	100mm dia	each	224.43		276.07	
Providing	& fixing C.I heel rest bend					
PO0190	50mm	each	166.67	169.42	197.61	160.64
PO0191	75mm	each	281.24		286.71	
PO0192	100mm	each	267.48	342.00	336.32	399.78
Providing	& fixing C.I double equal door junction including fittings					
PO0200	100mm	each	549.10	513.20	606.49	528.10
PO0201	75mm	each	421.03		345.90	
PO0202	50mm	each	331.18		294.43	
			322.10	5 2 2 . 3 0		

Code	Description	Units	PL	GP	SJ	TH		
Providing &	t fixing C.I double equal plain junction including fittings							
PO0210	100mm	each	704.57	641.88	660.06	677.42		
PO0211	75mm	each	473.91	326.60	345.90	455.77		
PO0212	50mm	each	380.88	275.13	294.43	365.95		
Providing &	t fixing C.I single equal door junction including fittings							
PO0220	150mm	each	412.75	457.52	447.61	396.28		
PO0221	100mm	each	387.26	403.81	428.79	371.78		
PO0222	75mm	each	286.59	284.13	305.46	274.96		
PO0223	50mm	each	227.96	238.44	244.18	218.96		
Providing &	t fixing C.I single equal plain junction including fittings							
PO0230	100mm	each	559.29	489.29	540.43	537.43		
PO0231	75mm	each	412.75	385.12	431.68	396.28		
PO0232	50mm	each	278.93	274.82	353.98	267.96		
Providing & fixing C.I double unequal door junction including fittings								
PO0240	100x75mm	each	482.83	470.91	513.20	463.94		
PO0241	100x50mm	each	425.49	413.31	448.85	409.11		
Providing &	t fixing C.I double unequal plain junction							
PO0250	100x75mm	each	470.09	457.43	487.46	452.27		
PO0251	100x50mm	each	406.37	409.63	429.55	390.45		
Providing &	t fixing C.I single unequal door junction							
PO0260	100x75mm	each	479.01	495.17	503.54	460.44		
PO0261	100x50mm	each	450.98	455.29	474.59	316.95		
PO0262	75x50mm	each	298.69	307.94	320.16	286.62		
Providing &	t fixing C.I single unequal plain junction							
PO0270	100x75mm	each	419.11	430.83	430.47	403.28		
PO0271	100x50mm	each	361.77	378.08	383.89	347.28		
PO0272	75x50mm	each	278.93	293.14	293.20	267.96		
Providing &	k fixing C.I double equal Y-Junction							
PO0280	100mm	each	704.57	635.45	457.86	677.42		
PO0281	75mm	each	528.71	423.11	367.71	508.27		
PO0282	50mm	each	380.88	345.90	260.93	365.95		
Providing &	t fixing C.I single equal Y-Junction							
PO0290	100mm	each	661.24	625.33	590.41	635.42		
PO0291	75mm	each	479.01	451.30		460.44		
PO0292	50mm	each	253.45	213.54	281.56	243.46		

Code	Description	Units	PL	GP	SJ	TH
Providing &	& fixing single unequal plain inverted branch					
PO0300	100x50mm	each	484.65	505.48	522.21	473.27
PO0301	75x50mm	each	358.43	371.64	388.37	344.95
Providing &	& fixing S.C.I offsets - 100mm Offsets					
PO0310	75mm projection	each	399.70		415.88	
PO0311	150mm projection	each	484.65	488.07	517.02	466.27
Providing &	& fixing S.C.I offsets - 75mm offset					
PO0320	75mm projection	each	332.94		338.54	
PO0321	150mm projection	each	466.45	467.23	415.88	448.77
Providing &	& fixing S.C.I offsets - 50 mm offset					
PO0330	75mm projection	each	359.64		294.43	
PO0331	150mm projection	each	493.15	502.78	519.62	474.44
Providing &	& fixing C.I terminal guard					
PO0340	150mm	each	699.47		631.04	
PO0341	100mm	each	400.01	397.38	396.64	
PO0342	75mm	each	266.19		324.07	
PO0343	50mm	each	164.24	172.18	236.09	158.30
Providing &	& fixing C.I collar					
PO0350	100mm	each	286.82		346.73	
PO0351	75mm	each	215.22		209.96	
PO0352	50mm	each	161.81	204.35	215.22	155.97
Providing &	& fixing C.I P-Type Nahani trap					
PO0360	100mm inlet & 75mm outlet	each	492.50	742.77	634.93	752.51
PO0361	100mm inlet & 50mm outlet	each	399.14	572.45	581.38	520.37
PVC pipes	and Fittings					
Providing & of PVC fitt	& fixing P.V.C soil waste and vent pipes, single or double sings)	socketed,	including pi	pe clip comp	lete (excludi	ng the cost
PO0370	75mm dia	m	156.97		163.50	
PO0371	90mm dia	m	240.24		250.04	
PO0372	110mm dia	m	313.70	231.71	303.91	330.69
Providing &	& fixing P.V.C Pipe connector					
PO0380	110mm dia	each	125.06	151.30	96.87	136.72
Providing &	& fixing P.V.C Coupler					
PO0385	75mm dia	each	70.23	72.56	67.70	88.70
PO0386	90mm dia	each	82.48		83.26	
PO0387	110mm dia	each	100.56	96.87	89.09	126.81

Providing & fixing P.V.C Reducer	Code	Description	Units	PL	GP	SJ	TH
P00397 110x75mm	Providing	& fixing P.V.C Reducer					
PO0345	PO0395	90x75mm	each	130.13	167.99	104.64	129.92
Providing & fixing P.V.C plain bend P.O0405 75mm dia each 79.56 95.02 75.48 98.81 P.O0406 90mm dia each 104.06 145.59 106.98 137.69 P.O0407 110mm dia each 116.31 136.64 Providing & fixing P.V.C door bend P.O0415 75mm dia each 150.14 127.74 91.03 138.08 P.O0416 90mm dia each 150.14 192.76 153.25 179.69 P.O0417 110mm dia each 150.14 192.76 153.25 179.69 P.O0417 110mm dia each 150.14 132.76 153.25 179.69 P.O0417 110mm dia each 217.64 229.78 237.12 190.19 P.O0425 90mm dia each 217.64 229.78 237.12 190.19 P.O0426 90mm dia each 314.74 326.87 342.11 264.07 P.O0427 110mm dia each 150.56 114.72 89.09 120.97 P.O0427 110mm dia each 100.56 114.72 149.96 129.92 162.97 P.O0437 110mm dia each 177.14 183.89 149.36 203.02 P.O0437 110mm dia each 177.14 183.89 149.36 203.02 P.O0437 110mm dia each 177.14 183.89 149.36 203.02 P.O0445 P.O0446 90mm dia each 169.97 167.69 157.91 201.08 P.O0445 P.O0446 90mm dia each 169.97 167.69 157.91 201.08 P.O0445 P.O0446 90mm dia each 190.38 183.03 186.03 232.19 P.O0445 P.O0446 P.O0457 P.O0457 P.O0457 P.O0457 P.O0457 P.O0458 P.	PO0396	110x75mm	each	140.92	167.64	124.09	144.69
PO0405	PO0397	110x90mm	each	165.45	212.67	124.09	172.69
PO0406 PO0407 110mm dia each 104.06 145.59 106.98 137.69 PO0407 110mm dia each 116.31 133.64 116.31 146.64	Providing	& fixing P.V.C plain bend					
P00410	PO0405	75mm dia	each	79.56	95.02	75.48	98.81
Providing & fixing P.V.C door bend PO0415 75mm dia each 150.14 192.76 153.25 179.69 P.O0417 110mm dia each 150.14 192.76 153.25 179.69 P.O0417 110mm dia each 158.30 189.33 176.58 191.74 Providing & fixing P.V.C Long arm bend with door PO0425 75mm dia each 217.64 229.78 237.12 190.19 P.O0426 90mm dia each 314.74 326.87 342.11 264.07 P.O0427 110mm dia each 314.74 326.87 342.11 264.07 P.O0427 110mm dia each 314.74 326.87 342.11 264.07 P.O0427 110mm dia each 157.72 149.96 129.92 162.97 P.O0435 90mm dia each 157.72 149.96 129.92 162.97 P.O0436 90mm dia each 157.72 149.96 129.92 162.97 P.O0436 90mm dia each 157.72 149.96 129.92 162.97 P.O0436 90mm dia each 157.72 149.96 129.92 162.97 P.O0437 110mm dia each 157.72 149.96 129.92 162.97 P.O0437 110mm dia each 157.72 149.96 129.92 162.97 P.O0437 110mm dia each 169.97 167.69 157.91 201.08 P.O0447 100m dia each 169.97 167.69 157.91 201.08 P.O0447 110mm dia each 169.97 167.69 157.91 201.08 P.O0447 110mm dia each 169.97 167.69 157.91 201.08 P.O0447 110mm dia each 190.38 187.91 158.69 232.19 P.O0456 90mm dia each 190.38 187.91 158.69 232.19 P.O0456 90mm dia each 381.11 275.51 308.79 448.89 P.O0457 110mm dia each 381.11 275.51 308.79 448.89 P.O0457 110mm dia each 349.03 454.31 239.6 420.00 each 392.39 369.67 326.68 459.86 P.O0467 110mm dia each 349.03 454.31 239.96 420.00 each 392.39 369.67 326.68 459.86 P.O0467 110mm dia each 185.72 165.30 158.69 215.85 P.O0468 90mm dia each 185.72 165.30 23.94 250.30 P.O0468 90mm dia each 185.7	PO0406	90mm dia	each	104.06	145.59	106.98	137.69
PO0415 75mm dia each 115.14 127.74 91.03 138.08 PO0416 90mm dia each 150.14 192.76 153.25 179.69 PO0417 110mm dia each 150.14 192.76 153.25 179.69 PO0417 110mm dia each 158.30 189.33 176.58 191.74 Providing & fixing P.V.C Long arm bend with door PO0425 75mm dia each 217.64 229.78 237.12 190.19 PO0426 90mm dia each 314.74 326.87 342.11 264.07 each 157.72 149.96 129.92 162.97 each 157.72 149.96 129.92 162.97 each 171.14 183.89 149.36 203.02 each 169.97 167.69 157.91 201.08 each 169.97 167.69 157.91 201.08 each 169.38 204.32 186.30 232.19 each 190.38 204.32 186.30 232.19 each 273.21 266.19 231.02 232.18 each 273.21 266.19	PO0407	110mm dia	each	116.31	153.64	116.31	146.64
PO0416	Providing	& fixing P.V.C door bend					
PO0416	PO0415	75mm dia	each	115.14	127.74	91.03	138.08
PO0417 110mm dia cach 158.30 189.33 176.58 191.74			each				
PO0425	PO0417	110mm dia	each			176.58	191.74
PO0426	Providing	& fixing P.V.C Long arm bend with door					
PO0426	PO0425	75mm dia	each	217.64	229.78	237 12	190 19
PO0427 110mm dia each 423.97 434.98 349.62 Providing & fixing P.V.C Single Tee plain PO0435 75mm dia each 100.56 114.72 89.09 120.97 PO0436 90mm dia each 157.72 149.96 129.92 162.97 PO0437 110mm dia each 171.14 183.89 149.36 203.02 Providing & fixing P.V.C Single Tee with door PO0445 75mm dia each 120.97 124.64 103.09 143.92 PO0446 90mm dia each 169.97 167.69 157.91 201.08 PO0447 110mm dia each 190.38 187.91 158.69 232.19 Providing & fixing P.V.C Double Tee plain PO0455 75mm dia each 190.38 187.91 158.69 232.19 PO0456 90mm dia each 273.21 266.19 231.02 232.18 PO0456 90mm dia							
PO0435 75mm dia each 100.56 114.72 89.09 120.97							
PO0436	Providing	& fixing P.V.C Single Tee plain					
PO0436	PO0//35	75mm dia	each	100 56	114 72	80.00	120.07
Providing & fixing P.V.C Single Tee with door Providing & fixing P.V.C Double Tee plain Providing & fixing P.V.C Double Tee plain Providing & fixing P.V.C Double Tee with door Providing & fixing P.V.C Single Y, plain Providing & fixing P.V.C Single Y, plain Providing & fixing P.V.C Single Y, with door Providing & fixing P.V.							
PO0445 75mm dia cach 120.97 124.64 103.09 143.92							
P00446 90mm dia each 169.97 167.69 157.91 201.08 P00447 110mm dia each 190.38 204.32 186.30 232.19 Providing & fixing P.V.C Double Tee plain	Providing	& fixing P.V.C Single Tee with door					
P00446 90mm dia each 169.97 167.69 157.91 201.08 P00447 110mm dia each 190.38 204.32 186.30 232.19 Providing & fixing P.V.C Double Tee plain	DO0445	75mm dia	anah	120.07	124.64	103.00	1/12/02
PO0447 110mm dia each 190.38 204.32 186.30 232.19							
Providing & fixing P.V.C Double Tee plain PO0455 75mm dia each 190.38 187.91 158.69 232.19 PO0456 90mm dia each 273.21 266.19 231.02 323.18 PO0457 110mm dia each 381.11 275.51 308.79 444.89 Providing & fixing P.V.C Double Tee with door PO0465 75mm dia each 277.88 274.47 197.97 317.73 PO0466 90mm dia each 349.03 454.31 253.96 420.00 PO0467 110mm dia each 392.39 369.67 326.68 459.86 Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64<							
PO0455 75mm dia each 190.38 187.91 158.69 232.19 each 273.21 266.19 231.02 323.18 PO0457 110mm dia each 381.11 275.51 308.79 444.89 Providing & fixing P.V.C Double Tee with door PO0465 75mm dia each 277.88 274.47 197.97 317.73 PO0466 90mm dia each 349.03 454.31 253.96 420.00 PO0467 110mm dia each 392.39 369.67 326.68 459.86 Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13			Cacii	170.56	204.32	100.50	232.19
PO0456 PO0457 110mm dia 90mm dia each 273.21 266.19 231.02 323.18 each 381.11 275.51 308.79 444.89 Providing & fixing P.V.C Double Tee with door each 277.88 274.47 197.97 317.73 200.00 200.		•	_	400.00	40=04	4.50.50	10
PO0457 110mm dia each 381.11 275.51 308.79 444.89 Providing & fixing P.V.C Double Tee with door PO0465 75mm dia each 277.88 274.47 197.97 317.73 PO0466 90mm dia each 349.03 454.31 253.96 420.00 PO0467 110mm dia each 392.39 369.67 326.68 459.86 Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13							
Providing & fixing P.V.C Double Tee with door PO0465 75mm dia each 277.88 274.47 197.97 317.73 PO0466 90mm dia each 349.03 454.31 253.96 420.00 PO0467 110mm dia each 392.39 369.67 326.68 459.86 Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13							
PO0465 75mm dia each 277.88 274.47 197.97 317.73 PO0466 90mm dia each 349.03 454.31 253.96 420.00 PO0467 110mm dia each 392.39 369.67 326.68 459.86 Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13	PO0457	110mm dia	eacn	381.11	2/3.31	308.79	444.89
PO0466 90mm dia each 349.03 454.31 253.96 420.00 PO0467 110mm dia each 392.39 369.67 326.68 459.86 Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13	Providing	& fixing P.V.C Double Tee with door					
PO0467 110mm dia each 392.39 369.67 326.68 459.86 Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13			each				
Providing & fixing P.V.C Single Y, plain PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13							
PO0475 75mm dia each 124.47 129.92 110.48 143.72 PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13	PO0467	110mm dia	each	392.39	369.67	326.68	459.86
PO0476 90mm dia each 185.72 165.30 158.69 215.85 PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13	Providing	& fixing P.V.C Single Y, plain					
PO0477 110mm dia each 226.55 203.80 199.91 252.41 Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13			each				
Providing & fixing P.V.C Single Y, with door PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13							
PO0485 75mm dia each 146.64 186.30 154.29 178.52 PO0486 90mm dia each 221.88 221.30 239.41 276.13	PO0477	110mm dia	each	226.55	203.80	199.91	252.41
PO0486 90mm dia each 221.88 221.30 239.41 276.13	Providing	& fixing P.V.C Single Y, with door					
	PO0485	75mm dia	each	146.64	186.30	154.29	178.52
PO0487 110mm dia each 296.54 259.21 275.19 351.17		90mm dia					
		110mm dia					

Code	Description	Units 1	PL (GP	SJ	TH
Providing 6	& fixing P.V.C Double Y, plain					
PO0495	75mm dia	each	184.55	204.90	132.15	236.07
PO0496	90mm dia	each	260.38	297.12	250.74	
PO0497	110mm dia	each	300.04	262.13	253.84	385.78
Providing	& fixing P.V.C Double Y, with door					
PO0505	75mm dia	each	233.55	246.95	200.88	
PO0506 PO0507	90mm dia 110mm dia	each each	318.70 357.20	411.12 330.54	270.88 313.75	377.23 466.27
Providing	& fixing P.V.C Offset, 75mm dia					
PO0515	With 75mm projection	each	308.79	254.05	284.99	
PO0516	With 150mm projection	each	355.45	363.29	350.43	355.45
Providing	& fixing P.V.C Offset, 90mm dia					
PO0525	With 75mm projection	each	448.77	411.83	368.28	
PO0526	With 150mm projection	each	550.26	508.93	546.76	550.26
	& fixing P.V.C Offset, 110mm dia					
PO0535 PO0536	With 75mm projection With 150mm projection	each each	558.92 641.35	464.65 519.78	427.78 534.87	558.92 641.35
	& fixing P.V.C Terminal guard	cucii	041.55	317.70	334.07	041.55
PO0545	75mm dia	each	109.34	121.59	121.62	105.53
PO0546	90mm dia	each	121.59	139.97	133.88	117.31
PO0547	110mm dia	each	127.71	146.09	146.13	123.19
Providing	& fixing P.V.C P-Trap, without air vent					
PO0555	Big	each	311.61	349.60	302.96	348.91
PO0556	Small	each	279.82	326.30	309.37	298.66
Providing	& fixing P.V.C Nahani Trap					
PO0565	110mm inlet & 75mm outlet	each	172.65	213.20	211.58	260.58
uPVC pipe	S					
Providing of block)	& laying uPVC soil waste Pipes including fittings pressure	e class 4 kg	/sq.cm (exclu	ding trench	ning, refillin	g & thrust
,						
PO0720	110 mm	m	567.83	539.97	539.97	565.59
PO0721 PO0722	160 mm 180 mm	m	1050.06 1137.02	1008.99 1094.37	1008.99 1094.37	1057.40 1146.97
PO0722 PO0723	200 mm	m m	2396.62	2352.39	2352.39	
PO0723 PO0724	225 mm	m	2545.92	2500.11	2500.11	2622.83
PO0725	250 mm	m	3255.66	3201.63	3201.63	3359.02
PO0726	280 mm	m	3443.89	3384.03	3384.03	3550.26
PO0727	315 mm	m	4679.44	4612.79	4612.79	4840.11
PO0728	400 mm	m	5440.35	5365.93	5365.93	5630.52
PO0729	450 mm	m	5571.41	5488.25	5488.25	5758.53
PO0730	560 mm	m	5892.50	5786.48	5786.48	6070.55

Code	Description	Units	PL	GP	SJ	TH
Painting 1	Pipes & Fittings					
Painting (G.I pipes and fittings including primer & white coat, for nev	w work				
PO0570	15mm dia pipe	m	6.12	6.10	5.76	6.71
PO0571	20mm dia pipe	m	8.20	8.18	7.72	9.00
PO0572	25mm dia pipe	m	10.17	10.14	9.56	11.15
PO0573	32mm dia pipe	m	13.03	12.99	12.25	14.29
Painting C	C.I spun soil waste vent pipes & fittings including primer, to	p coat (a	any colour), f	or new work		
PO0580	50mm	m	20.89	20.96	19.67	23.06
PO0581	75mm	m	28.81	29.88	33.34	32.52
PO0582	100mm	m	41.78	41.92	39.35	46.13
Repainting	g C.I spun soil waste vent pipes & fittings including paints (of any co	lour			
PO0590	50mm	m	10.30	10.10	9.31	11.31
PO0591	75mm	m	15.46	15.14	13.97	16.96
PO0592	100mm	m	20.61	20.19	18.63	22.61
Soak - pits	s & Septic Tanks					
Construct	ing Soak Pit					
PO0600	Size 1200x1200x1200mm, filled with brick bats including 100mm SW drain pipe X 1200mm long	each	5807.19	5640.34	5862.17	6638.60
PO0601	Size 2500 dia. x 3000mm depth including 450x450mm dry brick honeycomb shaft and SW drain pipe X 1800mm long	each	42971.41	41787.69	43407.60	48341.60
	ing Septic Tanks, in R.R Masonry in cement mortar 1:6, inclooring (40mm aggregates) cement plaster concrete base in	_				
concrete in	tooring (40min aggregates) cement plaster concrete base in	C.C 1.4.	o cic. compic	ic as per sta	iidard desigi	
PO0610	15 users	each	36375.41	36553.93	35688.25	41747.65
PO0611	25 users	each	44677.72	45122.28	43897.18	51204.12
PO0612	50 users	each	63974.56	64826.38	63789.56	73520.49
PO0613	75 users	each	74489.32	75638.37	74448.19	85358.84
PO0614	100 users	each	89321.62	90717.89	89176.30	101977.93
	ing Septic Tanks, in 2nd class brick masonry in cement mor		_	_		
thick conc	rete flooring (40mm aggregates) cement plaster concrete ba	se in C.	C 1:4:8 etc. c	omplete as p	er standard	design
D = 0 (• 0				2121522		
PO0620	15 users	each	35196.63	34346.23	34238.77	43153.53
PO0621	25 users	each	43676.01	42717.24	42542.13	53838.43
PO0622 PO0623	50 users 75 users	each each	60210.41 72448.60	58959.72 70907.44	59484.16 71761.99	74617.97 90686.01
PO0624	100 users	each	87200.59	85417.61	86278.24	107993.77
	ing Septic Tanks, in reinforced concrete 1:2:4 (20mm aggre rete flooring (40mm aggregates) cement plaster concrete ba					
PO0630	15 users	each	42733.29	42379.74	42252.48	47285.91
PO0631	25 users	each	55449.52	55228.72	55027.10	61101.29
PO0632	50 users	each	79532.99	79347.37	79824.71	87638.50
PO0633 PO0634	75 users 100 users	each	99061.72 122238.59	98915.46 122210.27	99705.40 123105.00	108947.15 133307.82
r00034	100 users	each	122238.39	122210.2/	123103.00	133307.82

Code	Description	Units	PL	GP	SJ	TH
Chapter 1	8: PLASTERING					
Mud Plast	ter					
Providing	& laying mud plaster including neat finish					
PL0001	15mm	sq.m	129.90			
PL0002	20mm	sq.m	138.25	138.22	138.22	138.22
Cement P	laster					
Providing	& laying 6mm cement plaster (in ceilings)					
PL0010	C.M 1:3	sq.m	157.89	159.24		
PL0011	C.M 1:4	sq.m	150.73	151.81		
PL0012	Extra for plaster to ceiling height > 5mper additional metre. ht	sq.m	4.96	4.96	4.96	4.96
Providing	& laying 12mm cement plaster					
PL0020	C.M 1:3	sq.m	205.19	207.89	208.61	228.62
PL0021	C.M 1:4	sq.m	190.74	192.89		
PL0022	C.M 1:5	sq.m	182.93	184.79	184.42	201.25
PL0023	C.M 1:6	sq.m	176.28	177.90	177.20	193.07
Providing	& laying 15mm cement plaster on rough side of single or h	alf-brick	wall			
PL0030	C.M 1:3	sq.m	241.59	244.81	245.67	269.57
PL0031	C.M 1:4	sq.m	224.35	226.93		
PL0032	C.M 1:5	sq.m	214.99	217.22	216.78	236.87
PL0033	C.M 1:6	sq.m	207.03	208.96	208.13	227.08
Providing	& laying 20mm cement plaster					
	C.M 1:3	sq.m	297.01			
PL0041	C.M 1:4	sq.m	274.52	277.87		
PL0042	C.M 1:5	sq.m	262.38	265.28		
PL0043	C.M 1:6	sq.m	252.02	254.54	253.45	278.14
Plaster Ba	nd					
Providing	& laying 12mm plain cement mortar band in C.M 1:4					
PL0050	Flush band	sq.m	450.75	452.85		
PL0051	Sunk band	sq.m	489.96	492.06		
PL0052	Raised band	sq.m	555.07	557.16	557.17	574.62
Providing	& laying 20mm plain cement mortar band in C.M 1:4					
PL0060	Flush band	sq.m	554.50	557.50		
PL0061	Sunk band	sq.m	600.89	603.89		
PL0062	Raised band	sq.m	679.31	682.31	682.33	707.25

Code	Description	Units	PL	GP	SJ	TH			
Cement Pla	ster with Floating Coat								
Providing 6	Providing & laying cement plaster, finished with floating coat of neat cement								
PL0070 PL0071 PL0072	12mm plaster in C.M 1:3 15mm plaster in C.M 1:3 20mm plaster in C.M 1:3	sq.m sq.m sq.m	255.07 291.46 346.88	295.32	259.95 297.01 353.67	282.39 323.34 387.23			
PL0073 PL0074 PL0075 PL0076	12mm plaster in C.M 1:4 15mm plaster in C.M 1:4 20mm plaster in C.M 1:4 6mm cement plaster in C.M 1:3, including lime wash on	sq.m sq.m sq.m sq.m	240.61 274.22 324.39 218.26	277.43 328.38	278.28 329.23	302.15 359.57			
120070	top of wall when dry for bearing R.C slabs and beams	5q.m	210.20	220.00	222.79	233.31			
Decorative	Plaster								
_	plaster with a mixture of sand and gravel or crushed stone hydrated lime cement	e 2-12mi	m including _]	plaster in 2 la	nyers-12mm	1:4, &			
PL0080 PL0081	Grey cement White cement	sq.m sq.m	467.18 665.50		484.95 693.17	522.82 725.10			
	h plaster with a mixture of washed pebble or crushed stone under layer 12mm cement plaster 1:4 and top layer 10mm of cement					_			
PL0090	Grey cement	sq.m	474.55	482.50	492.31	530.19			
Cement Pla	aster in 2 coats								
PL0091	18 mm cement plaster in two coats; under layer 12 mm C.P 1:5 (1 cement : 5 sand) and top layer 6 mm thick C.P 1:4 (1 cement : 6 sand) finished even and smooth and curing etc.	sq.m	203.27	203.29	203.29	203.47			
P10092	complete 18 mm cement plaster in two coats; under layer 12 mm C.P 1:5 (1 cement : 5 sand) and top layer 6 mm thick C.P 1:3 (1 cement : 6 sand) finished even and smooth and curing etc. complete	sq.m	203.30	203.32	203.32	203.51			
Cement Lin	ne Plaster								
PL0095	12 mm cement lime plaster of mix on fair side of brick work - 1:1:6 (1 cement :1 lime : 6 sand) finished even and smooth and curing etc. complete	sq.m	263.57	285.92	260.22	299.19			
PL0096	12 mm cement lime plaster of mix on rough side of brick work - 1:1:6 (1 cement :1 lime : 6 sand) finished even and smooth and curing etc. complete	sq.m	254.64	281.33	250.63	297.18			

Code	Description	Units	PL	GP S	SJ	TH			
Extra for cement plastering									
Extra for providing and mixing water-proofing materials in proportion recommended by the manufacturers									
PL0100	12mm plaster in C.M 1:3	sq.m	25.30	23.93	32.10	30.37			
PL0101	12mm plaster in C.M 1:4	sq.m	21.04	19.98	26.33	24.98			
PL0102	15mm plaster in C.M 1:3	sq.m	27.43	25.91	34.99	33.07			
PL0103	15mm plaster in C.M 1:4	sq.m	23.23	22.01	29.30	27.76			
PL0104	20mm plaster in C.M 1:3	sq.m	32.56	30.67	41.95	39.57			
PL0105	20mm plaster in C.M 1:4	sq.m	26.98	25.49	34.38	32.50			
PL0110	Neat cement punning	sq.m	49.87	50.51	51.34	53.77			
Plaster of 1	Paris								
Providing	& fixing 12mm Plaster of Paris (gypsum anhydrous) tiles,	rendered	smooth with	Plaster of Pa	ris				
PL0120	Height above floor < 5m	sq.m	828.96	997.69	715.97	1116.64			
PL0121	Extra for heights-above-floor > 5mper metre height	sq.m	58.91	58.91	58.91	58.91			
Putty fini	shes								
PL0125	Providing & applying putty of thickness 2mm or more over plastered surface to prepare the surface even and smooth complete.	sq.m	192.89	191.39	165.39	213.69			

Code	Description	Units	PL	GP	SJ	TH
Chapter 19); PAINTING & WALL PAPER					
Surface P	reparation					
Surface pr	eparation removing by scraping, sand papering, including	scratch 1	repairs			
PT0001	White colour-wash	sq.m	8.02	8.02	8.02	8.02
PT0002	Dry oil bound distemper	sq.m	9.91	9.91	9.91	9.91
Painting It	ems					
Providing of	& applying one coat of primers					
PT0010	Cement primer	sq.m	38.71			
PT0011	Metal work - synthetic red oxide primer	sq.m	33.66			36.85
PT0012	Wood work - pink primer	sq.m	42.41		41.28	44.47
PT0013	Wood work - white primer	sq.m	35.40			38.30
PT0014	Red lead primer	sq.m	33.94	36.34	35.63	38.14
Providing of	& applying white or colour washing					
PT0020	White washing with lime-new work-three coats	sq.m	27.81	31.63	27.02	31.28
PT0021	White washing with lime, old work, two coats	sq.m	16.23		18.93	19.17
PT0022	White washing with lime, old work, one coat	sq.m	9.38		10.73	10.84
PT0023	Colour washing new work, two coats, including base coat	sq.m	27.29		31.34	
1 10023	of white-wash with lime	5 q .111	21.29	20.90	31.34	31.09
PT0024	Colour washing with lime, old work, two coats	ea m	16.23	17.35	18.93	19.17
PT0025	Colour washing with lime, old work, two coats	sq.m sq.m	9.38		10.73	10.84
Finishing v	vall with Water-Proof Cement Paint					
PT0030	New work, three coats	sq.m	69.87	69.29	76.46	94.54
PT0031	Old work, one coats	sq.m	35.13	34.90	37.79	45.06
Providing a	and applying finishing coats					
PT0040	Dry distemper, two coats on new work, including white	sq.m	71.68	73.84	71.57	73.00
	priming coat					
PT0041	Dry distemper, one coat on old work	sq.m	31.76			
PT0042	Acrylic washable distemper, two coats on new work,	sq.m	92.82	93.54	91.45	96.38
	including cement primer coat					
PT0043	Acrylic washable distemper, one coat on old work	sq.m	31.32			
PT0044	Bituminastic enamel, for steel work, two coats on new work	sq.m	86.12	88.17	103.27	97.36
PT0045	Bituminastic enamel, for steel work, one coat on old work	sq.m	55.41	56.65	65.70	62.16
PT0046	Synthetic enamel, for steel & wood work\one coat on old	sq.m	54.10	57.49	56.94	60.59
PT0047	work Synthetic enamel, for steel & wood work, two coats on new	sq.m	84.38	90.02	89.11	95.19
PT0048	work High gloss synthetic enamel\for steel & wood work, two	sq.m	96.61	94.66	87.33	106.01
PT0049	coats on new work High gloss synthetic enamel, for steel & wood work\one coat on old work	sq.m	64.41	63.10	58.22	70.67

Code	Description	Units	PL	GP	SJ	TH		
PT0050	Red corrugal, ready mixed\on G.I. sheets, two coats on new work	sq.m	74.37	78.87	77.83	82.60		
PT0051	Red corrugal, ready mixed, on G.I. sheets\one coat on old work	sq.m	48.02	50.61	50.01	52.75		
PT0052	Vinyl plastic emulsion paint, for cement, masonry, plaster,	sq.m	100.88	94.65	104.56	117.56		
PT0053	two coats on new work Acrylic emulsion, one coat	sq.m	49.30	45.69	51.51	59.73		
PT0054	Aluminium paint, one coat on old work	sq.m	55.52		52.86	57.19		
PT0055	Aluminium paint, two coats on new work	sq.m	88.36		83.83	91.20		
Providing a	nd applying wood stains, varnishes & polishes							
PT0060	Wood stain (various colours), one coat	sq.m	84.55	88.18	81.01	95.71		
PT0061	Synthetic varnish (clear) - one coat, on old work	sq.m	115.57		112.07	124.44		
PT0062	Synthetic varnish (clear) - two coats, including coat of wood filler on new work	sq.m	211.55	207.19	205.84	226.00		
PT0063	French polish - one coat, on old work	sq.m	119.60	120.40	123.74	127.04		
PT0064	French polish - two coats, on new work	sq.m	218.12		224.86	230.25		
Wood Preservatives								
Providing a	nd applying wood preservatives							
PT0070	Brown, two coats on new work	sq.m	43.07	45.88	39.87	53.68		
PT0071	Brown, one coat on old work	sq.m	33.65	35.92	31.06	42.24		
PT0072	Coal tar, two coats on new work	sq.m	64.51	72.24	87.80	79.81		
PT0073	Coal tar, one coat on old work	sq.m	34.94	38.27	44.95	41.45		
Wall Paper								
Providing &	t fixing wall paper							
PT0080	Standard Quality	sq.m	334.18	436.73	427.32	428.91		
PT0081	High Quality	sq.m	440.41	584.72	565.73	568.79		
Traditi	onal Painting							
Providing, 1	oreparing and applying Sumdang painting (Not washable)							
PT0090	Rab	sq.m	905.93	911.95	901.67	932.46		
PT0091	Ding	sq.m	639.97	644.41	638.47	660.93		
PT0092	Thamar	sq.m	463.94	468.38	462.44	484.89		
Providing, p	preparing and applying Dangtshon painting (Not washable	e)						
PT0100	Rab	sq.m	1258.00		1253.73	1284.53		
PT0101	Ding	sq.m	933.36		931.86	954.31		
PT0102	Thamar	sq.m	639.97	644.41	638.47	660.93		
Providing, 1	preparing and applying Sumdang washable painting							
PT0110	Rab	sq.m	1005.86	1010.70	1006.50	1021.62		
PT0111	Ding	sq.m	757.50		760.91	767.68		
PT0112	Thamar	sq.m	563.87	567.13	567.27	574.05		

Code	Description	Units P	PL G	SP .	SJ	TH		
Providing,	preparing and applying Dangtshon washable painting							
PT0120	Rab	sq.m	1281.65	1286.49	1282.28	1297.40		
PT0121	Ding	sq.m	974.61	977.87	978.01	984.79		
PT0122	Thamar	sq.m	704.69	707.96	708.10	714.87		
Providing, preparing and applying Yutshon painting (plain)								
PT0130	Washable	sq.m	252.65	255.84	256.02	262.70		
PT0131	Not Washable	sq.m	215.81	217.18	217.65	222.38		
Providing, preparing and applying flower natural painting for wall decoration design such as Tashitagey symbols, Tashi Zeegay, Za-Tshering, etc.								
PT0140	Dangtshon - Rab	sq.m	163.54	186.13	164.30	198.79		
PT0141	Sumdang - Rab	sq.m	154.74	177.33	155.50	189.98		

Code	Description	Units	PL	GP	SJ	TH			
Chapter 20	: ADDITIONS, ALTERATIONS & REPAIRS								
Repair to P	lasters								
Repair to plaster including cutting to shape, surface preparation, proving and applying cement plaster to the surface, disposal rubbish within 50m lead									
AA0001	Patch area <2.5sq.m	sq.m	260.90	263.60	263.61	286.04			
Glass Pane	s								
Providing &	& fixing glass panes with putty, nails including remaining.	broken g	glass panes						
AA0005 AA0006 AA0007 AA0008 AA0009 Cutting Wa AA0015 AA0016	3mm thick plain 4mm thick plain 5.5mm thick plain 3mm thick frosted 5.5mm thick frosted **Ills** Cutting holes < 300x300mm in brick walls including repair wall Cutting holes < 150x150mm in R.C floors or roof including making leak proofing with concrete 1:2:4, 20mm aggregates Making chases < 75x75mm in walls including repair after	sq.m sq.m sq.m sq.m sq.m	758.83 795.65 947.53 1046.48 1239.79 305.54 202.06	920.26 1061.41 984.42 1125.57 300.84 202.04	1095.39 305.22 202.54	980.63 1342.90 1277.07 1343.28 353.18 204.51			
	fixing G.I pipe etc. Aluminium Strip Edging Providing & fixing Aluminium strip edging to staircases including rawl plugs and screws, a thin layer of cement								
AA0025 AA0026	57mm x 12mm x 3mm 38mm x 12mm x 3mm	m m	589.01 239.80	579.80 216.09	575.59 214.96				

	Bhutan Schedule of Ra	ies - 202	2.1			
Code	Description	Units	PL	GP	SJ	ТН
Chapter 21	: ROAD WORKS					
Excavation						
	in excavation over areas, exceeding 300mm in depth, 1.5 mearth (disposed earth to be levelled and neatly dressed)	ı in wid	th as well as	10 sq.m on p	lan including	g disposal of
RW0006 RW0007 RW0008 RW0009	Ordinary Soil Hard Soil Ordinary Rock with or without blasting Hard rock requiring blasting	cu.m cu.m cu.m	162.02 209.56 636.73 868.79	209.56 636.73 868.79	209.56 636.73 868.79	162.02 209.56 637.08 869.50
RW0010	Hard rock requiring chiselling (where blasting is prohibited)		1393.71	1393.71		1393.71
Excavation 50m for rea	of road formation/trace/box cutting, with excavator includes	ling sep	arate deposit	ion of soil, r	ocks and stor	nes within
RW0013 RW0014	All types of soil All types of rock (With or Without blasting)	cu.m	63.46 240.35	63.46 240.35		63.46 241.01
	in Excavation in foundation trenches or drains including davated soil within 50m lead	lressing	of sides and	ramming of	bottom, disp	osal of
RW0015 RW0016 RW0017 RW0018	Ordinary Soil Hard Soil Ordinary Rock with or without blasting Hard rock requiring blasting	cu.m cu.m cu.m	172.83 221.50 681.12 970.85		221.50 681.12	172.83 221.50 681.60 972.06
Transporta	tion of Loose Soils					
_	of loose spoil materials in designated locations including loa after completion of dumping	ading/u	nloading, dre	ssing of dum	p sites and p	lantation of
RW0019	Beyond 50 m	cu.m		ond 1km used	EW0040 for I transportation	-
Embankme	ents					
RW0030	Construction of embankment by laying dry earth in horizontal layers not exceeding 200mm in depth(compacted), including watering, power rolling, dressing and preparation of site with selected excavated earth within 50mm lead	cu.m	157.26	157.26	157.26	157.26
Filling of T	renches					
RW0035	Providing and laying filter material (600mm wide) in trenches, sides of foundations, walls etc. with 100 to 200 mm stones wherever applicable.	cu.m	1319.78	1422.66	1341.00	1539.14

Code	Description	Units 1	PL	GP	SJ	TH
Supply and	Stacking					
Supplying/	collection and stacking of stone aggregate					
RW0044	100mm	cu.m	1269.75	1174.50	1226.32	1298.90
RW0045	75 mm	cu.m	1194.41	1099.16	1198.91	1223.56
RW0046	50 mm	cu.m	1213.24	1118.00	1257.27	1242.39
RW0047	63 - 40 mm	cu.m	1198.86	1115.72	1208.48	1312.87
RW0048	20 mm	cu.m	1297.80	1165.49	1349.88	1569.20
RW0049	12 - 6 mm	cu.m	1311.76	1146.31	1331.01	1548.70
RW0050	50 - 20 mm	cu.m	1239.11	1147.32	1265.36	1440.06
Supplying/	collection and stacking at site					
RW0055	Blinding materials	cu.m	322.59	321.61	321.78	321.78
RW0056	Gravel/Coarse sand	cu.m	728.42	728.42	728.42	728.78
RW0057	Boulder	cu.m	440.88	440.88	440.88	440.88
Gabion Wa	ılls					

Construction of gabion wall as per drawings with dry stone masonry (hammer dressed facing) including excavation of foundation in all types of soils, sides and backfilling, delivery of machine woven gabion mesh (Hexagonal mesh of size 100mm x 120mm with a minimum of doubly twisted) with GI wire 2.70mm dia, fixing of selvedged wire 3.4 mm dia, binding/lacing wire 2.40 mm dia complete

RW0065	Height up to 1.0m	m	3804.71	4240.80	3799.93	4551.13
RW0066	Height up to 2.0m	m	9055.62	10115.31	9046.97	10869.89
RW0067	Height up to 3.0m	m	16199.52	18092.27	16186.73	19437.91
RW0068	Height up to 4.0m	m	25137.31	28085.08	25119.37	30175.96
RW0069	Height up to 5.0m	m	35803.47	39968.72	35782.71	42924.02
RW0070	Height up to 6.0m	m	48292.52	53897.24	48267.95	57871.13
RW0071	Height up to 7.0m	m	62500.74	69707.36	62474.67	74819.03
RW0072	Height up to 8.0m	m	78206.92	87177.91	78181.69	93546.51
RW0073	Height up to 9.0m	m	96178.33	107195.18	96149.62	115009.93

Construction of gabion wall as per drawings with dry stone masonry (hammer dressed facing) including excavation of foundation in all types of soils, sides and backfilling, delivery of machine woven gabion mesh (Hexagonal mesh of size 90mm x 100mm with a minimum of doubly twisted) with GI wire 3.25mm(10 swg) dia, fixing of selvedged wire 4.06mm (8 swg) dia, binding/lacing wire 2.64mm (12 swg) dia complete

RW0245	Height up to 1.0m	m	4095.40	4619.21	4085.73	4981.15
RW0246	Height up to 2.0m	m	9448.05	10626.17	9432.81	11450.41
RW0247	Height up to 3.0m	m	16900.29	19004.51	16875.72	20474.55
RW0248	Height up to 4.0m	m	26230.51	29508.18	26194.20	31793.12
RW0249	Height up to 5.0m	m	37345.16	41975.66	37298.49	45204.63
RW0250	Height up to 6.0m	m	50366.80	56597.48	50307.37	60939.59
RW0251	Height up to 7.0m	m	65163.66	73173.89	65092.85	78758.26
RW0252	Height up to 8.0m	m	81514.55	91483.69	81433.74	98439.45
RW0253	Height up to 9.0m	m	100242.78	112486.19	100145.78	121022.44

Code	Description	Units	PL	GP	SJ	TH
Providing	and Construction Light timber crib walls					
RW0075	With timber section of 100 to 150 mm diameter including excavation in all types of soil and back filling	sq.m	1190.78	1169.70	1212.98	1287.35
RW0076	With timber section of 250 to 300 mm diameter including excavation in all types of soil and back filling	sq.m	1114.01	1102.11	1090.93	1180.04
Barriers						
RW0081	Providing and constructing boulder barrier, height not exceeding 1.5 m, max. inclination of 20 deg. to the road alignment and width not less than 900mm within 50m lead	m	1174.95	1277.83	1196.17	1394.31
Drains						
	on of French drain, including jungle clearance, earthwork n with 50-100 mm stones, complete as per design	in excav	ation, levelli	ng of excava	ted earth to	the sides,
RW0095	Drain Size 0.6m X 1.0m	m	982.84	935.54	985.07	997.32
RW0096	Drain Size 1.0m X 1.5m	m	1954.16			
RW0100	Construction of foundation drains of minimum size 200mm wide & 250 mm deep with stone fill of average size 50 - 100 mm as per drawing or as directed by the engineer including excavation and delivery of materials	m	311.97	308.58	312.12	313.00
Constructi	on of V-shaped stone pitched drain including excavation, l	evelling	and disposal	of surplus ea	arth within 5	0m
RW0105	depth 300mm, width 600 mm	m	356.41	373.77	359.99	393.43
RW0106	depth 300 mm and width 450 mm	m	240.21	250.50	242.33	262.14
Constructi	on of V-shaped earthen drain including excavation, levelling	ng and d	isposal of su	plus excavat	ted earth wit	hin 50m
RW0107	depth 500 mm and width 600 mm	m	25.48	25.48	25.48	25.48
RW0108	Construction of Lined V Shaped drain 600 X 300 with	m	697.92	718.67	711.36	809.14
RW0120	Providing and laying Hammer dressed stone edging 150 x 250 mm with stones including excavation, refilling and disposal of surplus earth within 30 m lead	m	110.96	115.69	111.94	121.05
Subgrade						
-	on of sub grade with proper camber by excavating earth to oosal of surplus earth up to 50m	depth ed	qual to paven	nent thicknes	ss, consolidat	tion with
RW0121	All kinds of soil	cu.m	76.17	76.17	76.17	76.17
RW0122	Blasted Rock	cu.m	213.14			213.14
RW0123	Consolidation of sub-grade with roller, and making good the undulation with earth and re-rolling the sub grade	sq.m	7.36	7.36	7.36	7.36
RW0124	Extra for compaction of earth in embankments under suitable moisture conditions to give at least 95% of the proctor density	cu.m	18.82	18.82	18.82	18.82

	Description	Units	PL	GP	SJ	TH
Granular S	Sub-base					
RW0130	Providing and laying Granular sub-base course (GSB) to required degree of compaction with proper formation of cross fall using motor grader for laying and compacted to required density as per material gradation and aggregate quality specified	cu.m	1597.56	1611.10	1577.05	1848.59
Wet Mix M	l acadam					
RW0131	Providing and laying wet mix macadam graded aggregate base course to required degree of compaction with proper formation of cross fall by using well graded crushed aggregates premixed with OMC using suitable mixer, motor grader as per material gradation and a aggregates quality specified	cu.m	2244.03	2169.83	2261.60	2445.29
Dense Bitu	minous Macadam					
mix formu	and Laying Dense Bituminous Macadam (DBM) to requir la) approved by the supervising engineer including prepara 5 kg/sq.m by mechanized method using asphalt plant, pavo	ation of s	urface with	road broom,	, application	
RW0132	50 mm	sq.m	462.14			567.47
RW0133	60 mm	sq.m	534.75			659.40
RW0134	70 mm	sq.m	606.53			750.62
RW0135 RW0136	75 mm 80 mm	sq.m sq.m	642.73 678.66			796.50 842.12
	tuminous Concrete	34	0,000	0,2.61	0,,,12	Ų I Z 111
-						
_	and Laying Asphalt/Bituminous Concrete to required degr by the supervising engineer using asphalt plant, paver, stee		-	•		_
	quality specified		gre roner ee	er us per mu	oriui gi uuuvi	on und
			272.63	270.97	271.63	
RW0139	25 mm	sq.m	272.03	4/0.9/		332.48
RW0139 RW0140	25 mm 30 mm	sq.m sq.m	314.28			
RW0140				312.28	313.07	385.42
RW0140 RW0141 RW0142	30 mm 35 mm 40 mm	sq.m	314.28 355.96 396.94	312.28 353.63 394.28	313.07 354.55 395.34	385.42 438.39 490.60
RW0140 RW0141 RW0142	30 mm 35 mm	sq.m sq.m	314.28 355.96	312.28 353.63 394.28	313.07 354.55 395.34	385.42 438.39 490.60
RW0140 RW0141 RW0142 RW0143	30 mm 35 mm 40 mm	sq.m sq.m sq.m	314.28 355.96 396.94	312.28 353.63 394.28	313.07 354.55 395.34	385.42 438.39 490.60
	30 mm 35 mm 40 mm	sq.m sq.m sq.m	314.28 355.96 396.94	312.28 353.63 394.28 477.49	313.07 354.55 395.34 478.81	332.48 385.42 438.39 490.60 597.02
RW0140 RW0141 RW0142 RW0143	30 mm 35 mm 40 mm 50 mm Scarifying metalled (water bound) road surface disposal of rubbish up to 50m and consolidation of the aggregate received from scarifying	sq.m sq.m sq.m sq.m	314.28 355.96 396.94 480.82	312.28 353.63 394.28 477.49	313.07 354.55 395.34 478.81	385.42 438.39 490.60 597.02
RW0140 RW0141 RW0142 RW0143 Scarifying RW0145	30 mm 35 mm 40 mm 50 mm Scarifying metalled (water bound) road surface disposal of rubbish up to 50m and consolidation of the aggregate received from scarifying	sq.m sq.m sq.m sq.m	314.28 355.96 396.94 480.82	312.28 353.63 394.28 477.49	313.07 354.55 395.34 478.81	385.42 438.39 490.60 597.02

Code	Description	Units P	PL G	GP S	J 1	ГН		
Wearing C	ourse							
	aring course including screening, sorting, spreading to temperate to the quantity of aggregate used, excluding blinding	•		*		_		
RW0147	With stone aggregates and blinding materials	cu.m	822.99	822.99	822.99	822.99		
Using B	itumen Emulsion							
Cutting & repairing bituminous road including supply of required quantity of aggregate & bitumen emulsion								
RW0150	Manually	sq.m	688.20	686.65	686.64	730.69		
Cutting bituminous road along with W.B.M layer & soling and making good the same including supply of extra quantities of aggregate, grit & bitumen emulsion required complete								
RW0151	Manually	sq.m	1307.25	1300.00	1302.72	1379.00		
Painting two coats with bitumen emulsion (coat 1 - 12 kg emulsion and 0.1 cu.m, 12 mm aggregates per 10 sq.m, coat 2 - 1.6 kg emulsion 0.06 cu.m, 10 mm aggregates per 10 sq.m) complete								
RW0152	Mechanized	sq.m	157.66	155.01	157.97	192.97		
	one coat with bitumen emulsion @ 2.3 kg of emulsion and area complete	0.002 cu.n	n of 10 mm n	ominal size s	stone chips _l	per sq.m		
RW0153	Mechanized	sq.m	115.88	115.55	115.92	142.25		
Premix con	solidated carpet surfacing including a tack coat @ 0.75 kg	bitumen e	mulsion per	sq.m of road	surface			
RW0154	50mm thick with 6.0 cu.m of aggregate 10mm nominal size per 100 sq.m using 96 kg of emulsion of approved quality	sq.m	324.53	321.40	322.58	406.75		
RW0155	per cu.m of stone aggregate (Mechanized) 25 mm thick with 2.7 cu.m of stone aggregate, 10 mm nominal size per 100 sq.m using 149 kg of bitumen	sq.m	244.50	239.54	245.08	305.32		
RW0156	emulsion per cu.m of stone aggregate (Mechanized) 20 mm thick with 2.10 cu.m of stone aggregate, 10 mm nominal size per 100 sq.m using 147 kg of bitumen emulsion per cu.m of stone aggregate (Mechanized)	sq.m	200.81	196.84	201.27	249.62		
Providing s	eal coat with bitumen emulsion							
RW0157	Using 1.3 kg of emulsion and 0.80 cu.m stone aggregate of 10mm per 10 sq.m of road surface complete	sq.m	79.36	78.04	79.51	95.89		
Providing s	eal coat of premixed sand with bitumen emulsion							
RW0158	Using 5.3 kg of emulsion and 0.045 cu.m coarse sand per 10 sq.m of road surface complete	sq.m	48.53	48.70	48.10	57.54		

Code	Description	Units	PL	GP	SJ	TH
Using B	Bitumen 80/100					
Cutting an	nd repairing of roads, including supply of required quantiti	es of aggr	egate, grit a	and bitumen		
RW0160	Bituminous road	sq.m	745.80	739.02	746.84	789.84
Cutting bit	tuminous road and making good the same including supply	of extra	quantities of	f aggregate,	grit & bitume	en required
RW0161	Bituminous road along with W.B.M layer & soling (mechanized)	sq.m	1321.49	1313.79	1317.28	1393.92
_	wo coats of bitumen 80\100 (coat 1 - 2 kg of bitumen, 0.015 0.009 cu.m, 10 mm aggregates, per sq.m complete)	cu.m, 12.5	5mm aggreg	gate per sq.m	; coat 2 - 1 k	g of
RW0165	Mechanized	sq.m	175.84	171.87	176.30	215.30
RW0166	Manually	sq.m	230.43	226.01	231.21	270.58
Premix car	rpet surfacing including a tack coat @ 0.75 kg bitumen per	sq.m of r	oad surface			
RW0167	50mm thick with 6 cu.m of aggregate 10mm nominal size per 100 sq.m using 51.5 kg of bitumen 80/100 grade per cu.m of stone aggregate (Mechanized)	sq.m	282.87	272.94	284.02	340.32
RW0168	25mm thick with 3 cu.m of stone aggregate per 100 sq.m and 51.5 kg of bitumen 80/100 grade per cu.m of stone aggregate (Mechanised)	sq.m	186.93	181.97	187.51	224.10
RW0169	20mm thick with 2.40 cu.m of stone aggregate 10mm nominal size per 100 sq.m and 51.5 kg of bitumen 80/100 grade per cu.m of stone aggregate (Mechanized)	sq.m	149.65	148.26	148.78	179.14
	rpeting with 64 kg of bitumen 80\100 per cu.m of aggregat r sq.m of road surface	es includi	ng a tack co	at with bitui	men of same o	quality @
RW0170	20 mm thick with 2.4 cu.m, 10mm aggregate per 100 sq.m (Manually)	sq.m	186.50	182.18	187.21	218.61
RW0171	25 mm thick with 3.0 cu.m, 10mm aggregate per 100 sq.m (Manually)	sq.m	216.65	211.28	217.51	254.43
Repainting	g, one coat of bitumen 80\100 @ 1 kg of bitumen; 0.009 cu.	m, 10mm :	aggregate po	er sq.m of ro	ad surface	
RW0175	Manually	sq.m	81.93	80.29	82.21	95.55
RW0176	Mechanised	sq.m	59.99	58.50	60.17	73.39
_	seal coat with bitumen 80/100 grade of approved quality u of bitumen 80/100 grade per cu.m of stone aggregate with a	_			-	-
RW0177	Mechanized	sq.m	89.89	88.04	90.10	108.08

Code	Description	Units	PL	GP	SJ	TH
Providing road surfa	seal coat with bitumen 80\100 using 1.5 kg of bitumen per sec	sq.m witl	1.05 cu.m,	10mm aggreg	gate per 100 s	sq.m of
RW0178	Manually	sq.m	105.13	103.17	105.49	124.85
_	seal coat of premixed sand with bitumen 80\100 using 128 l 00 sq.m of road surface	kg of bitu	ımen per cu.	m of sand an	d 0.75 cu.m o	of coarse
RW0179	Manually	sq.m	71.78	71.92	71.16	87.88
Providing	& fixing RC name board including primer and white zinc p	oaint				
RW0180	Rectangular with post	each	2488.91	2467.15	2471.11	2655.49
RW0181 RW0182	Flat without post for one direction only Flat without post for two directions only	each each	3598.01 3834.16	3589.40 3822.97	3631.36 3869.08	3883.44 4148.28
Road Si	g n s					
RW0183	Engraving letters on hard stoneper letter per centimetre height	each	7.02	7.02	7.02	7.02
_	& fixing precast boundary stone of RC 1:2:4 (20mm aggreen, refilling etc to be paid separately)	gate) inc	luding finish	ing with mor	tar 1:3 (cost	of
RW0185	150mm dia x 900mm high	each	507.90	509.55	518.08	556.76
	& fixing precast kilometre stone of RC 1:2:4 (20mm aggreg lesign (cost of excavation, concreting, painting etc. shall be		_	ing with mor	tar 1:3 comp	lete as per
RW0186	35cm x 111cm x 25cm	each	1567.17	1562.84	1589.80	1764.13
RW0187 RW0188	50cm x 152.5cm x 25cm 35cm x 93.5cm x 18cm	each each	2718.62 1022.07	2705.33 1021.91	2751.58 1040.36	3085.30 1144.79
Letterings						
RW0189	Lettering with paint of approved brand and manufactureper letter per centimetre ht	each	2.13	2.15	2.15	2.17
RW0190	Relettering with paint of approved brand and manufactureper letter per centimetre ht	each	1.62	1.63	1.63	1.65
Fencin	g					
Supplying	posts & struts					
RW0195 RW0196	Local ballies, 250 mm min. girth Local ballies 250 mm min girth , 1.8m long	m each	83.82 218.68	218.64	83.12 217.42	88.64 227.35
RW0197 RW0198 RW0199	Precast R.C posts, 1.8 m long Precast R.C struts 2.0 m long PCC posts & struts 1.8 m long	each each	1043.09 806.87	808.67	1053.01 820.46	1146.99 877.12
RW0200	RCC posts & struts, 1.8m long RCC posts & struts, 2m long	m m	1400.10 887.82		1417.62 902.50	1557.73 965.73

Code	Description	Units P	PL (GP S	J	ГН
_	& fixing G.I barbed Wire Netting including fixing of post	or struts, G	.I staples, co	oal tarring in	case of ball	ies
complete (posts/struts, earthwork, concrete paid separately)					
RW0202	2.5mm, (12 SWG), 4 barbs form by twisting two point	m	22.00	23.30	21.32	23.62
	wires, each two turns, pitch of barbs 75mm					
Providing	& fixing G.I double knotted mesh including fixing of post	or struts, G	.I staples, co	al tarring in	case of ball	ies
complete (excluding the cost of posts/struts, earthwork, concrete)					
RW0205	4mm (8 SWG) x 100mm	sq.m	299.18	372.24	334.05	430.05
RW0206	2.5mm (12 SWG) x 100mm	sq.m	297.49	311.27	344.55	360.43
RW0207	4mm (8 SWG) x 150mm	sq.m	280.76	257.89	322.39	368.62
RW0208	2.5mm (12 SWG) x 150mm	sq.m	247.86	232.82	252.39	348.14
_	& fixing G.I chain-link mesh including fixing of post or str, concrete etc.)	uts, G.I sta	ples (exclud	ing the cost o	f posts/stru	ts,
RW0209	4mm (8 SWG) x 50mm	sq.m	393.19	442.35	421.56	443.32
RW0210 RW0211	2.5mm (12 SWG) x 50mm 4mm (8 SWG) x 75mm	sq.m	270.33 280.81	365.38 334.09	348.48 318.77	375.74 394.17
RW0211 RW0212	2.5mm (12 SWG) x 75mm	sq.m	238.08	280.71	268.09	348.10
RW0212	4mm (8 SWG) x 100mm	sq.m sq.m	264.18	311.97	297.76	378.81
RW0214	2.5mm (12 SWG) x 100mm	sq.m	297.49	311.27	344.55	360.43
Providing	and Fixing Barbed Wire (Min. 10kg/100m) fencing					
RW0215	1.2 m high fencing with 1.8 m R.C.C posts of standard					
	design placed every 3 m apart, embedded in cement					
	concrete blocks, every 15th post, last but one end post and					
	corner post shall be strutted on both sides and end post one					
	side only, provided with nine horizontal lines and two		227.00	242.25	220.26	246.01
	diagonals of barbed wire between two posts fitted and	m	227.88	242.35	220.20	246.01
	fixed with GI staples on wooden plugs or GI binding wire					
	tied to 6mm bars nibs fixed while casting the post (cost of					
	RCC posts, struts, earthwork and concrete to be paid for					
	senarately)					
RW0216	1.2 m high fencing with 1.8 m balli posts 250 mm girth (
	min) placed every 2.5 m apart, embedded in cement					
	concrete blocks, every 15th post, last but one end post and					
	corner post shall be strutted on both sides and end post one					
	side only, provided with six horizontal lines and two	m	193.70	206.29	194.24	210.94
	diagonals of barbed wire between two posts fitted and					
	fixed with GI staples driven into the posts complete (cost o	f				
	RCC posts, struts, earthwork and concrete to be paid for					
	senarately)					
RW0217	2.4 m high fencing with 3.3 m balli posts 250 mm girth (
	min) placed every 2.5 m apart, embedded in cement					
	concrete blocks, every 15th post, last but one end post and					
	corner post shall be strutted on both sides and end post one					
	side only, provided with twelve horizontal lines and two	m	336.36	358.80	336.82	366.99
	diagonals of barbed wire between two post fitted and fixed	111	330.30	330.00	330.02	500.33
	with GI staples driven into the posts complete (cost of RCC					
	posts, struts, earthwork and concrete to be paid for					
	separately)					
	± •/					

Code	Description	Units	PL	GP	SJ	TH
RW0218 RW0219	1.3 m high concrete rail and pale fencing with 1.8 m R.C.C posts 2.2 m rails and 1.25 m pales placed every 2.5 m apart, embedded in cement concrete blocks (450 mm x 450 mm x 700 mm), of mix 1:5:10 (1 cement : 5 sand : 10 graded crushed rock 40 mm nominal size) (cost of earthwork in excavation, concrete work, posts, rails and pales to be paid for separately) 1.2 m high fencing with 1.2 m angle posts (40mm x 40 mm x 6 mm) placed every 3 m apart, embedded in cement concrete blocks, every 15th post, last but one end post and	m	182.21	182.21	182.21	182.21
	corner post shall be strutted on both sides and end post one side only, provided with nine horizontal lines and two diagonals of barbed wire between two post fitted and fixed with GI staples, turn buckles complete (cost of, posts, struts, earthwork and concrete to be paid for separately)	m	224.15	238.53	216.57	242.16
RW0220	1.8 m high fencing with 1.8 m angle posts (50mm x 50 mm x 6 mm) placed every 3 m apart, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with nine horizontal lines and two diagonals of barbed wire between two post fitted and fixed with GI staples, turn buckles complete (cost of, posts, struts, earthwork and concrete to be paid for separately)	m	295.06	313.55	285.32	318.23
Bioenginee	ring					
Seeds Colle RW0230	Grass and pioneer plant seed collection, including separation, drying in the sun & storing	kg	579.59	581.68	581.68	582.85
Broadcasti	ng					
RW0231	Broadcasting of grass/pioneer plants seeds on slopes; seeding rate 25 gm per m2	sq.m	64.04	64.04	64.04	64.04
Direct Seed	ling					
RW0232	Direct seeding of shrubs or tree seeds at 30 cm spacing including digging holes up to 5cm depth and covering with soil, with two seeds per planting hole	sq.m	64.04	64.04	64.04	64.04
Live Stacki	ing/Palisade					
RW0233	Preparation of materials (woody cuttings 2-4 cm diameter and 50 cm length) and staking them ³ / ₄ of the cuttings in the soil	m	77.01	77.01	77.04	77.14
Brush laye	r/Hedge Brush Layer					
RW0234	Collection and preparation of materials (woody cuttings 2-4 cm diameter and 60 cm length) and staking them ³ / ₄ of the cuttings in the soil	m	88.94	88.94	89.06	89.41

Code	Description	Units	PL	GP	SJ	TH
Planting of	seedlings/wildings					
RW0235	Planting of seedlings or wildlings (including the collection of wildlings from the wild) and planting them in a pit size 30 cm x 30 cm	no	195.70	200.14	200.95	201.65
Sodding/Tu	rfing					
RW0236	Sodding of slopes with sods, eg lemon grass (30 cms centre to centre), titepati (1metre centre to centre) in contour lines. The sods should be placed even closer to each other if the slope is greater than 25 degree	sq.m	65.78	65.31	65.31	66.53
RW0237	Turfing of embankment with 30 x 30 cm, natural grass turfs and fixed to the ground with wooden pegs, if slope is greater than 25°	sq.m	114.21	114.62	115.40	115.40
Grass Slips	Planting					
RW0238	Grass slips planting on slopes (random or in line) at 10 cm apart and 5 cm deep.	sq.m	29.33	29.33	29.54	29.33
Fog Sealing						
RW0239	Providing and laying fog sealing as per technical specification and drawing.	sq.m	26.07	26.18	25.80	34.74
Rock Ancho	prage					
RW0240	Providing and laying of Rock Anchorage including TMT rebar (25mm dia) and cement slurry to fill the gap. The hole diameter should at least 32mm and 1m length as provided in the drawing.	sq.m	1504.92	1414.29	1363.59	1772.54
Road Mark	ing					
RW0241	Providing and apply permanent road marking on the road surface as per technicial specification,(manually)	sq.m	84.38	90.02	89.11	95.19
RW0242	Providing and apply Road marking with hot applied thermoplastic compound with reflectorising glass beads on Bituminuous surface as per IRC:35 and technical specifications. The finished surface to be level and free from streaks and holes	sq.m	482.25	487.78	484.99	486.52
Paver Pave	ment with interlocking Paver Blocks, Blocks & Tiles					

Providing and laying factory made Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding, filling the joints with

direction of Engineer-in-Charge.

RW0300	Interlocking Paver Block (Zig Zag) 80mm Thk.	Colour Sq.m	767.35	883.52	874.80	997.83
RW0301	Interlocking Paver Block (Zig Zag) 80mm Thk.	Ash Grey Sq.m	731.18	847.09	838.38	961.40

sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per

Code	Description	Units	PL	GP	SJ	TH
RW0302	Interlocking Paver Block (Zig Zag, Tri-Hex, Brook,	Sq.m	695.02	810.67	801.95	924.98
	Cosmic) 60mm Thk. Colour					
RW0303	Interlocking Paver Block (Zig Zag, Tri-Hex, Brook,	Sq.m	552.70	774.24	765.53	997.83
	Cosmic) 60mm Thk. Ash Grey					
RW0304	Interlocking Paver Block (Tri-Hex, Brook, Cosmic) 40mm	Sq.m	640.19	701.39	692.68	815.70
	Thk. Colour					
RW0305	Interlocking Paver Block (Tri-Hex, Brook, Cosmic) 40mm	Sq.m	595.86	664.97	656.25	779.28
	Thk. Ash Grey					
RW0306	Rectangular Paver Block 60mm Thk Colour	Sq.m	581.86	651.31	642.59	745.01
RW0307	Rectangular Paver Block 60mm Thk Ash Grey	Sq.m	555.03	625.19	616.47	718.89
RW0308	Rectangular Paver Block 40mm Thk Colour	Sq.m	528.20	625.19	616.47	718.89
RW0309	Rectangular Paver Block 40mm Thk Ash Grey	Sq.m	501.37	599.07	590.35	692.77
RW0310	Coral Stone Finished 60mm Thk. Colour	Sq.m	600.53	713.34	704.63	813.58
RW0311	Coral Stone Finished 60mm Thk. Ash Grey	Sq.m	572.53	683.96	675.24	784.19
RW0312	Coral Stone Finished 40mm Thk. Colour	Sq.m	528.20	683.96	675.24	784.19
RW0313	Coral Stone Finished 40mm Thk. Ash Grey	Sq.m	516.54	654.57	645.86	754.81

Providing and laying Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).

RW0320	Chequered tiles, Paver tiles.	25mm Thk.	Colour	Sq.m	678.66	656.16	656.17	712.32
RW0321	Chequered tiles, Paver tiles.	25mm Thk.	Ash Grey	Sq.m	647.87	627.42	627.44	683.58

Providing and laying factory made kerb stone (Edging)in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (Length & Depth/height of finished kerb edging shall be measured for payment)

RW0330	100mm thick	Sq.m	761.61	845.47	845.53	873.00
--------	-------------	------	--------	--------	--------	--------

Code Description Units PL GP SJ TH

L/S

Chapter 22: Occupational Health and Safety (OHS)

OHS at construction site

OHS001

OHS002

Incorporation of Occupational Health and Safety measures at construction sites as per the attached requirements list. The standards and specifications for the Insurance, OHS materials and (or) equipment shall be in compliance with the Labour and Employment Act - 2007, Regulation on Occupational Health, Safety and Welfare - 2012, and other relevant national documents. All OHS items will remain as the property of the bidder upon completion of the project.

Calculated as per the "Guideline for Occupational Health and Safety Cost"

Temporary Living Accommodation

Providing temporary living accommodation which includes bed room, kitchen, and toilet cum bathroom including proper water supply and electricity as per the drawing and temporary living accommodation standards. The accommodation facilities must be dismantled and cleaned upon the completion of project. All reusable materials of the accommodation facilities will remain as the property of the bidder upon completion of the project.

L/S Calculated as per the "Guideline for Estimating Cost of Temporary Living Accommodation"

4. COST INDICES

4.1 GUIDELINE FOR COST INDICES

Bhutan Schedule of Rate (BSR) is a guiding document for projecting/estimating cost of construction. To derive the approximate rate at any location, the BSR rates of the base town shall be enhanced by the cost index.

Cost index (CI) will vary from project to project, based on distance, availability of local materials, road connectivity, etc. Therefore, every mega or complex project shall have unique cost index.

The sample Cost Indices in the BSR are for the purpose of guidance and applicable for similar nature of work at any location. However, engineers are encouraged to calculate cost indices on their own for the complex or any other important project which are not covered by these samples.

Cost index shall not be applicable for any works where only labour is involved such as dismantling &demolishing work and earth work. For such works actual labour requirement shall be worked out and additional amount added for any increase in labour rates.

Any rates calculated adding cost index shall not be used for making payment to contractors or parties. Payment to contractors shall be strictly as per the contract agreement only.

Table 4.1.1 Sample Calculation of Cost Index (CI)

Sl. No.	Description	Unit	Cost at base Town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Cement	MT	4770.00	5689.00	19.27	17.00	3.28	
2	Steel Reinforcement	MT	31500.00	33500.00	6.35	14.00	0.89	
3	Rolled Steel	MT	32300.00	34400.00	6.50	3.00	0.20	
4	C.G.I Sheet	MT	44000.00	50600.00	15.00	5.00	0.75	
5	Brick /ICEB	Nos	4650.00	6830.00	46.88	9.50	4.45	
6	Stone Boulders	cu.m	180.00	530.00	194.44	1.50	2.92	
7	Rough Sawn Timber	cu.m	7800.66	8122.45	4.13	17.00	0.70	
8	Stone Aggregates	cu.m	618.00	883.00	42.88	4.50	1.93	
9	Sand	cu.m	180.00	534.00	196.67	2.00	3.93	
10	Labour : Average							
	Cat. I to IV	each	350.00	350.00	0.00	11.50	0.00	
	Cat. V	each	215.00	215.00	0.00	15.00	0.00	

100.00

Cost Index = 19.04%

Note:

Col.(4) = Basic rates at base town Col.(7) = Weightage

Col.(5) = Rates at the project location $Col.(8) = {Col.(6)xCol.(7)}/100$

 $Col.(6) = [{col.5/col.4} - 1]x100$

Procedure for calculation of cost Index:

a. Basic rates at base town:

Basic rates of base town should be same for the estimation and cost index calculation.

Table 4.1.2 Base town reference

Sl. No	Base Town	Dzongkhag						
1	Phuentsholing (PL)	nukha, Haa, Paro, Gasa, Punakha, Wangduephodrang and Samtse						
2	Gelephu (GP)	unthang, Dagana, Tsirang, Trongsa, Sarpang and Zhemgang						
3	Samdrupjongkahr (SJ)	Samdrupjongkahr, Pemagatshel, Tashigang, Tashiyangtse, Lhuntse and Mongar						
4	Thimphu (TH)	Only Thimphu						

- b. Collection of Rates.(Rates at the project location)
 - Identify the nearest source of materials.
 - Collect the current market rates from agencies, production units, suppliers, hiring agents etc. (The rates at project location will include price at the source + transportation charge + handling charges up to construction site store)
 - Tender committee should ascertainand approvelabour and material rates.
- c. Weightage.
 - Weightage used in the CI are value weights not quantity weights.
 - Weightage of a particular material is the percentage of its cost from the total cost of the BML (basic labour, machineries and materials). Weightage shall remain fixed for the six samples given in BSR.
 - In case of complex and mega project where BSR cost index samples are not applicable, the concerned agency may follow the sample below to calculate the weightage.

 Table 4.1.3 Sample Calculation of Materials weightage
 (Building Work – Framed Building)

1	2	3	4	5	6	7	8	9	10
Sl. No	BML Code	Description	Quantity	Unit	Basic Rate (Nu.)	Amount (Nu.) (Col 4 x Col 6)	BML % (Col 7/Total Cost)	Main BMLs	Convert to 100%
1	LB0021	Carpenter Gd.1	109.15	day	350.47	38,253.80	1.21	1.21	
2	LB0032	Blacksmith (metal-worker)	188.31	day	309.82	58,342.20	1.84	1.84	
3	LB0033	Carpenter Gd.2	423.77	day	309.82	131,292.42	4.14	4.14	
4	LB0036	Mason Gd.1	267.78	day	309.82	82,963.60	2.62	2.62	
5	LB0038	Plumber Gd.1	10.68	day	309.82	3,308.88	0.10		
6	LB0039	Work Supervisor (Lajab)	53.59	day	309.82	16,603.25	0.52		
7	LB0051	Mason Gd.2	161.01	day	275.64	44,380.80	1.40	1.40	
8	LB0052	Painter Gd.1	154.50	day	275.64	42,586.38	1.34	1.34	
9	LB0053	Plant Operator Gd.3	7.44	day	275.64	2,050.76	0.06		
10	LB0054	Plumber Gd.2	1.24	day	275.64	341.79	0.01		
11	LB0067	Painter Gd.2	87.46	day	254.29	22,240.20	0.70		
12	LB0076	Labourer (Female)	125.86	day	232.93	29,316.57	0.92		
13	LB0077	Labour	1568.38	day	232.93	365,322.75	11.52	11.52	
14	MP0202	Welder - Electric arc	16.26	day	183.75	2,987.78	0.09		
	•	Total Amount (Labour)				839,991.19	26.48	24.07	28.00
1	MD0205	C (7/10CC)	7.44	1	1 200 00	0.522.20	-		1
1	MP0205	Concrete Mixer(7/10Cft)	7.44	day	1,280.00	9,523.20	0.30		
2	MP0206	Concrete Vibrator(M/C5)	7.44	day	800.00	5,952.00	0.19		
			<u>.</u>	l'otal Amou	int (Machinery)	15,475.20			
Sl. No	BML Code	Description	Qty	Unit	Rate (Nu.)	Amount (Nu.)			-
1	MT0042	Mud dry	23.67	cu.m	86.39	2,044.85	0.06		-
2	MT0043	Sand	93.19	cu.m	337.03	31,407.83	0.99		-
3	MT0060	Boulder	93.44	cu.m	861.81	80,527.53	2.54	2.54	3.00
4	MT0068	Crushed Rock-40mm	17.22	cu.m	952.56	16,403.08	0.52		-
5	MT0070	Crushed Rock-20mm	61.82	cu.m	1,058.40	65,430.29	2.06	2.06	2.00
6	MT0071	Crushed Rock-12.5 - 6mm	16.92	cu.m	1,023.12	17,311.19	0.55		-
7	MT0125	Bricks 2nd class	0.39	1000#	11,075.00	4,319.25	0.14		-
8	MT0126	Brick aggregate	1.73	cu.m	2,051.60	3,549.27	0.11		-
9	MT0131	Concrete block bricks - Solid Brick 240	28.39	1000#	12,000.00	340,680.00	10.74	10.74	13.00

		x 115 x 80mm							
10	MT0145	Cement (OPC/PSC)	51.99	tonne	5,800.00	301,542.00	9.50	9.50	11.00
11	MT0156	Plastic Sheet -100 micro-metre	44.48	sq.m	29.00	1,289.92	0.04		-
12	MT0157	Plastic Sheet -200 micro-metre	28.05	sq.m	67.00	1,879.35	0.06		-
13	MT0180	Steel Materials(Rolled sections (250 MPa)) - Angles	280.04	kg	56.50	15,822.26	0.50		-
14	MT0181	Steel Materials(Rolled sections (250 MPa)) -Channels	554.40	kg	56.50	31,323.60	0.99		-
15	MT0182	Steel Materials(Rolled sections (250 MPa)) -Flats	325.97	kg	54.00	17,602.38	0.55		-
16	MT0184	Steel Materials(Rolled sections (250 MPa)) -Plates	496.35	kg	60.00	29,781.00	0.94		-
17	MT0200	Welded Tube (250 MPa) - 50mm dia	170.76	m	273.00	46,617.48	1.47	1.47	2.00
18	MT0201	Welded Tube (250 MPa) - 40mm dia	98.24	m	179.00	17,584.96	0.55		-
19	MT0208	(Reinforcing Bars)Thermo - Mechanically Treated (TMT) bars (yield strength 500 MPa)	10328.87	kg	40.88	422,244.21	13.31	13.31	16.00
20	MT0220	Fasteners - M.S. Rivets	2.69	kg	100.57	270.53	0.01		-
21	MT0221	Fasteners - M.S. Bolts & Nuts, Screws etc	9.22	kg	97.00	894.34	0.03		-
22	MT0250	Plain G.I Sheet, 24-gauge (0.63mm)	0.16	tonne	68,750.00	11,000.00	0.35		-
23	MT0252	Pre Painted Steel sheets 25g (0.50mm)	0.16	tonne	95,295.84	15,247.33	0.48		-
24	MT0278	Pre Painted Steel Corrugated Roofing Sheets 25g	1.19	tonne	102,430.02	121,891.72	3.84	3.84	5.00
25	MT0325	Timber-Ballies 75 to 125mm dia	983.72	m	30.43	29,934.60	0.94		-
26	MT0330	Rough-sawn timber (urban rate)-Class 'B', (Mixed Conifer)	32.99	cu.m	10,826.37	357,161.95	11.26	11.26	13.00
27	MT0342	Plywood-6mm, commercial ply	115.71	sq.m	208.00	24,067.68	0.76		-
28	MT0685	Plaster of Paris	5873.54	kg	22.03	129,394.09	4.08	4.08	5.00
29	MT0691	Acrylic washable distemper	129.93	kg	50.50	6,561.47	0.21		-
30	MT0695	Mud Paint for Bhutanese traditional painting	15.17	kg	33.50	508.20	0.02		-
31	MT0697	Cloth for Bhutanese painting	0.11	sq.m	35.00	3.85	0.00		-
32	MT0698	Paper for Bhutanese painting	0.45	sq.m	20.00	9.00	0.00		-
33	MT0710	Cement primer	67.19	litre	106.33	7,144.31	0.23		-
34	MT0711	Synthetic red lead primer	3.05	litre	132.00	402.60	0.01		-
35	MT0714	Pink primer, for wood	11.33	litre	151.00	1,710.83	0.05		-

36	MT0722	Synthetic enamel paint	3.77	litre	172.50	650.33	0.02	-
37	MT0723	High gloss synthetic enamel	29.60	litre	255.00	7,548.00	0.24	-
38	MT0735	Wood preservative -Brown	7.25	litre	248.12	1,798.87	0.06	-
39	MT0751	C.I. manhole cover with frame (light duty) internal dimension 455 x 610mm Total weight of Cover and frame not less than 38 kg.	4.00	each	2,390.12	9,560.48	0.30	-
40	MT0795	Stoneware pipes 60 cm long - 100mm dia	2.00	each	132.18	264.36	0.01	-
41	MT0796	Stoneware pipes 60 cm long - 150mm dia	5.01	each	294.40	1,474.94	0.05	-
42	MT0940	Wheel valve - 32mm nom-bore	1.00	each	620.00	620.00	0.02	-
43	MT0977	Cast Iron Pipes, Single Socketted, 1.83m long - 100mm	1.24	each	926.07	1,148.33	0.04	-
44	MT1033	Single equal junction, door - 150mm	2.00	each	344.12	688.24	0.02	-
45	MT1132	Terminal Guard - 100mm	1.00	each	333.19	333.19	0.01	-
46	MT1151	Pipes, Single Socketed 1.83 m long - 90mm	13.38	each	357.00	4,776.66	0.15	-
47	MT1152	Pipes, Single Socketed 1.83 m long - 110mm	14.00	each	441.00	6,174.00	0.19	-
48	MT1216	Plain bend - 90mm	12.00	each	84.00	1,008.00	0.03	-
49	MT1217	Plain bend - 110mm	8.00	each	90.00	720.00	0.02	-
50	MT1226	Door bend - 90mm	6.00	each	113.00	678.00	0.02	-
51	MT1227	Door bend - 110mm	4.00	each	122.00	488.00	0.02	-
52	MT1246	Single Tee, Plain - 90mm	3.00	each	116.00	348.00	0.01	-
53	MT1247	Single Tee, Plain - 110mm	2.00	each	129.00	258.00	0.01	-
54	MT1335	110mm dia. Offset With 75mm projection	4.00	each	465.00	1,860.00	0.06	-
55	MT1342	Terminal Guard -110mm	1.00	each	98.84	98.84	0.00	-
56	MT1345	Nahani Trap - 100mm inlet & 75mm outlet	6.00	each	190.40	1,142.40	0.04	-
57	MT1382	Stainless Steel Kitchen Sinks - single bowl & drain-board, 940 x 460 x 160mm	2.00	each	1,703.40	3,406.80	0.11	-
58	MT1400	W.C. Pans-Vitreous China European-white	4.00	each	1,100.00	4,400.00	0.14	-
59	MT1405	W.C. P a n s - Plastic seat & lid for European pan	4.00	each	753.53	3,014.12	0.10	-
60	MT1430	Vitreous China cistern - low level, incl.	4.00	each	1,586.10	6,344.40	0.20	-

Bhutan Schedule of Rates - 2021

		fittings & flush-bend - 10 litres, white							
61	MT1440	15mm ball valve with plastic float	2.00	each	344.25	688.50	0.02		-
62	MT1464	15mm bib cock, vert, c.p knob	4.00	each	445.40	1,781.60	0.06		-
63	MT1469	20mm stop cock, c.p knob	6.00	each	459.00	2,754.00	0.09		-
64	MT1513	C.p Brass Shower fittings for 15 to 20mm inlet - shower, revolving joint	4.00	each	572.22	2,288.88	0.07		-
65	MT1530	basin, single-hole, casted spout, 15mm	6.00	each	1,976.76	11,860.56	0.37		-
66	MT1534	wall, non-telephonic type, 15mm	4.00	each	2,225.07	8,900.28	0.28		-
67	MT1585	R.S. or C.I.Brackets	4.00	pair	114.44	457.76	0.01		-
68	MT1605	Soap Containers - c.p brass with bracket	4.00	each	371.59	1,486.36	0.05		-
69	MT1615	C.p Towel Rails - 20mm x 450mm	4.00	each	456.45	1,825.80	0.06		-
70	MT1631	Mirror (Bevelled edge) 600mm x 450mm	4.00	each	475.00	1,900.00	0.06		-
71	MT1635	Toilet paper holders - C.P. brass	4.00	each	423.02	1,692.08	0.05		-
72	MT1649	Electric Water Heaters -50 litres, vertical	4.00	each	12,780.00	51,120.00	1.61	1.61	2.00
73	MT1667	H.D.P.E water storage tank - 1000 litres	2.00	each	8,953.38	17,906.76	0.56		-
		Total Amount (Materials)		2,317,029.47					
		Total Amount of Ba	asic Labour,	Machinerie	s, Materials Nu.	3,172,495.86			
						Total weightage of	the major BML	84.48	100.00

Table 4.1.4 Example: Cost Index tabulation and calculation based on above sample

Sl.No.	Description	Unit	Cost at base Town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
1	Stone Boulders	cu.m	861.81	530.00	-38.50	3.00	-1.16	
2	Crushed Rock-20mm	cu.m	1,058.40	950.00	-10.24	2.00	-0.20	
3	Concrete block bricks - Solid Brick 240 x 115 x 80mm	1000#	12,000.00	11000.00	-8.33	13.00	-1.08	
4	Cement	MT	5,800.00	6100.00	5.17	11.00	0.57	
5	Welded Tube (250 MPa) - 50mm dia	M	273.00	280.00	2.56	2.00	0.05	
6	(Reinforcing Bars & Mesh)Thermo - Mechanically Treated (TMT) bars (yield strength 500 MPa)	kg	40.88	41.00	0.29	16.00	0.05	
7	Pre Painted Galvanised Steel Corrugated Roofing Sheets 24g	MT	102,430.02	105000.00	2.51	5.00	0.13	
8	Rough-sawn timber (urban rate)-Class 'B', (Mixed Conifer)	cu.m	10,826.37	9500.00	-12.25	13.00	-1.59	
9	Plaster of Paris	kg	22.03	25.00	13.48	5.00	0.67	
10	Electric Water Heaters -50 litres, vertical	each	12,780.00	15000.00	17.37	2.00	0.35	
11	Labour : Average							
	Cat. I to V	each	262.60	262.60	0.00	28.00	0.00	

100.00

Cost Index (2.22)%

Table 4.1.5 Procedure for calculation of BML weightage:

Column 1	Basic Material, Machinery and Labour Code. (Based on detailed Estimate)
Column 2	BML Description
Column 3	BML Quantities for that particular project (with the institution of Construction Manager Software, BML quantity can easily quantified from the estimates)
Column 4	BML Unit
Column 5	BML rates of Base town (Based on Estimates)
Column 6	Individual BML cost for that particular project
Column 7	BML % based on its cost (Particular Item cost divided by the Total cost of BML multiply by 100) * { BML Cost/Total BML Cost) x 100}
Column 8	Choose Main BMLs. Select the BML which holds major (2 % and higher) or with greater weightage. The total weightage of the major BML should be equal to or greater than 80%. In case the total weightage is less than 80%, other BML should be considered in the order of their contribution to the total cost.
Column 9	Convert the weightage of main BMLin Column 8 to 100%

Note: Dzongkhag/Dungkhagcouldhave one cost index for the nearby projectorgewog project, however, for the gewog which are far away from Dzongkhag/Dungkhag could have individual cost index.

4.2 Sample Calculation of Cost Indices

4.2.1 Building works with brick infill walls and steel trusses

Sl. No.	Description	Unit	Cost at a base Town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Cement	MT	4770.00	5689.00	19.27	15.81	3.05	
2	Steel Reinforcement	MT	31500.00	33500.00	6.35	12.90	0.82	
3	Rolled Steel	MT	32300.00	34400.00	6.50	2.42	0.16	
4	C.G.I Sheet	MT	44000.00	50600.00	15.00	4.55	0.68	
5	Brick /ICEB	Nos	4650.00	6830.00	46.88	8.44	3.96	
6	Stone Boulders	cu.m	180.00	530.00	194.44	1.30	2.52	
7	Rough Sawn Timber	cu.m	7800.66	8122.45	4.13	18.03	0.74	
8	Stone Aggregates (20mm)	cu.m	618.00	883.00	42.88	3.89	1.67	
9	Sand	cu.m	180.00	534.00	196.67	1.93	3.80	
10	Labour : Average							
	Cat. I to IV	each	616.96	616.96	0.00	14.16	0.00	
	Cat. V	each	460.00	460.00	0.00	16.58	0.00	

100.00 Cost Index =17.39%

4.2.2 Building works with brick infill walls and timber trusses

Sl.No.	Description	Unit	Cost at a base Town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Cement	MT	4770.00	5689.00	19.27	15.71	3.03	
2	Steel Reinforcement	MT	31500.00	33500.00	6.35	12.82	0.81	
3	C.G.I Sheet	MT	46000.00	50600.00	10.00	4.52	0.45	
4	Brick /ICEB	Nos	4630.00	6830.00	47.52	9.27	4.41	
5	Stone Boulders	cu.m	180.00	530.00	194.44	1.29	2.51	
6	Rough SawnTimber	cu.m	7800.66	8122.45	4.13	20.04	0.83	
7	Stone Aggregates (20mm)	cu.m	618.00	883.00	42.88	3.86	1.66	
8	Sand	cu.m	180.00	534.00	196.67	1.92	3.77	
9	Labour : Average							
	Cat. I to IV	each	616.96	616.96	0.00	14.08	0.00	
	Cat. V	each	460.00	460.00	0.00	16.49	0.00	
						100		

Cost Index =17.46 %

4.2.3 Building works with stone masonry wall

Sl.No.	Description	Unit	Cost at base town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Cement	MT	4770.00	5689.00	19.27	15.18	2.92	
2	Steel Reinforcement	MT	31500.00	33500.00	6.35	4.35	0.28	
3	C.G.I Sheet	MT	46000.00	50600.00	10.00	6.99	0.70	
4	Stone boulders	cu.m	180.00	534.00	196.67	4.98	9.79	
5	Bricks/ICEB	1000#	4650.00	6830.00	46.88	0.85	0.40	
6	Rough SawnTimber	cu.m	7800.66	8122.45	4.13	22.80	0.94	
7	Stone Aggregates (20mm)	cu.m	618.00	883.00	42.88	2.49	1.07	
8	Sand	cu.m	180.00	530.00	194.44	2.78	5.41	
9	Labour : Average				-		-	
	Cat. I to IV	each	616.96	616.96	0.00	23.65	0.00	
	Cat. V	each	460.00	460.00	0.00	15.93	0.00	

100.00

Cost Index = 21.51%

4.2.4 Bitumen sealing works

Sl. No	Description	Unit	Cost at a base town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Bitumen***	MT	32189.00	34389.00	6.83	58.76	4.02	
2	Road Roller (8-10T)	day	3928.00	3928.00	0.00	9.24	0.00	
3	Fire wood**	cu.m	535.00	650.00	21.50	3.10	0.67	
3	Stone Aggregates . 20mm	cu.m	618.00	635.70	2.86	14.37	0.41	
4	Labour : Average							
	Cat. I to IV	each	616.96	616.96	0.00	0.73	0.00	
	Cat. V	each	460.00	460.00	0.00	13.80	0.00	

100.00

Cost Index = 5.09%

Fire wood measured in stacked

4.2.5 Road permanent works – retaining walls, culvert and other similar works

Sl.No.	Description	Unit	Cost at a base town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Cement	MT	4770.00	5689.00	19.27	27.61	5.32	
2	Stone boulder	cu.m	180.00	205.00	13.89	17.10	2.38	
3	Stone Aggregates (20mm)	cu.m	618.00	700.00	13.27	2.56	0.34	
4	Sand	cu.m	180.00	534.00	196.67	4.78	9.39	
5	Labour : Average							
	Cat. I to IV	each	616.96	616.96	0.00	19.50	0.00	
	Cat. V	each	460.00	460.00	0.00	28.45	0.00	

100.00

Cost Index = 17.43%

4.2.6 Road works - Base course

Sl. No.	Description	Unit	Cost at a base town	Cost at Project Location	% Increase	Weightage	Cost Index	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Stone Boulder	cu.m	180.00	205.00	13.89	4.77	0.66	
2	Road Roller (8-10T)	day	3440.00	3440.00	0.00	30.52	0.00	
3	Blinding materials	cu.m	70.00	70.00	0.00	3.58	0.00	
4	Stone Aggregates 20 mm	cu.m	618.00	700.00	13.27	40.05	5.31	
5	Labour : Average							
	Cat. I to IV	each	616.96	616.96	0.00	0.34	0.00	
	Cat. V	each	460.00	460.00	0.00	20.75	0.00	

100.00

Cost Index = 5.98%

^{***} Bitumen 80/100 or Emulsion as appropreate

^{**} volume

5. RATE ANALYSIS GUIDELINE

5. GUIDELINE FOR RATE ANALYSIS

Bhutan Schedule of Rates (BSR) is the guiding document for projecting the approximate cost of construction. For estimating costs of the construction works, items' rate in BSR, enhanced with or without cost index can be applied.

For the purpose of payment and filling of tenders, the individual agencies/engineers should analyse the item rate using basic labour, machinery &material coefficients with current market rate. This is because market rates fluctuate frequently and by the time the BSR is published; many rates would have already changed.

5.1 Procedure for Rate Analysis

- 5.1.1 Identify BML code and description
 - i. Obtain BML coefficients for the appropriate item code from the LMC Book.
 - ii. The BML coefficients should not be changed for the items reflected in the BSR.
- iii. For new materials or items that are not covered in the BSR, refer any other relevant national, regional or international standards/practices/codes.
 - 5.1.2 Collection of Rates.
 - i. Identify the most appropriate source of materials.
 - ii. Collect the current market rates from relevant agencies/production units/suppliers/ hiring agents etc. (The rates at project location will include price at source + transportation charges + handling charges up to construction site store)
 - iii. Tender committee should ascertain and approve the labour and material rates.
 - 5.1.3 Constants:
 - i. A fixed 5% for hand tools & equipment on labour cost, lubrication & corrective maintenance on machinery cost and wastages & unaccounted on materials cost.
 - ii. A fixed 1 % for water charges (sanitation, mixing of mortar, drinking, curing, etc.)
 - iii. 10% for contractor's profit and overhead charges when rate analysis is carried out by the procuring agencies. For rate analysis submitted by contractors for the tendered work, it can vary up to a maximum of 10%.
 - 5.1.4 Total/Item Rate
 - i. Rate for the particular item is derived by adding the above constants cumulatively on total of BML rates as given in the example.

Table 5.1 Rate Analysis

RC0001 - Providing & laying in position reinforced cement concrete 1:1:2 (1 cement : 1 sand : 2 graded crushed rock 20 mm nominal size) excluding the cost of centering, shuttering and reinforcement - all work up to plinth level

C- 1-		Coefficient for per cu.m			Total Amount	
Code	Description	Quantity	Units	Rate		
LB0036	Mason Gd.1	0.07583	day	632.50	47.96	
LB0039	Work Supervisor (Lajab)	0.07077	day	632.50	44.76	
LB0051	Mason Gd.2	0.07583	day	575.00	43.60	
LB0053	Plant Operator Gd.3	0.07077	day	575.00	40.69	
LB0077	labourer	1.18125	day	460.00	543.38	
MP0205	Concrete Mixer(7/5 cu.ft)	0.07000	day	1832.00	128.24	
MP0206	Concrete Vibrator(M/C5)	0.07000	day	1136.00	79.52	
MT0043	Sand	0.45000	cu.m	473.33	213.00	
MT0070	Crushed Rock - 20mm	0.67500	cu.m	967.20	652.86	
MT0071	Crushed Rock - 12.5mm - 6 mm	0.22500	cu.m	963.02	216.68	
MT0145	Cement (OPC / PSC)	0.61000	tonne	6627.50	4042.78	
	Total (A)				6053.46	(A)
	Add 5% on Total A				302.67	
	Total (B)				6356.13	(B)
	Add 1% on Total B				63.56	
	Total (C)	6419.70	(C)			
	Add 10% on Total C				641.97	
	Item Rate per unit (Nu.)				7061.66	

6. QUICK COST GUIDE

Quick Cost Guide

Explanatory Notes:

- 1. The rates listed are in units of square meter of plinth per meter clear height of floor to ceiling.
- 2. Rates do not include major site development, or special items
- 3. Tabulated rates should be adjusted by the room size factor
- 4. Average Room Size (Av) shall be calculated from the expression:

$$Av = \sqrt[3]{\{(pa * h)/r\}}$$

Where: Av= Average room size (m)

Pa= Plinth area (sq.m)

h= clear height of floor to ceiling (m)

r=No. of rooms

- The rates and room size factors are based on detailed estimates for the various projects described
- 6. They are approximations for projects of similar description
- 7. Any intermediate values of room size factors may be worked out by interpolation
- 8. Calculation of Average room size and rate adjustment factors floor wise shall give better results
- 9. The cost of building can be calculated from following expression:

Building $Cost = Pa \ x \ room \ size \ factor \ x \ plinth \ area \ rate$

Average Room Size (m)	Room Size Factor
2.500	1.180
2.540	1.170
2.570	1.160
2.600	1.150
2.650	1.140
2.670	1.130
2.720	1.120
2.740	1.110
2.790	1.100
2.820	1.090
2.860	1.080
2.900	1.070
2.970	1.060
3.000	1.055
3.050	1.050
3.125	1.040
3.210	1.030
3.320	1.020
3.430	1.010
3.500	1.000
3.680	0.990
3.860	0.980
4.000	0.970
4.220	0.960

Average Room Size (m)	Room Size Factor
4.430	0.950
4.500	0.947
4.720	0.940
5.000	0.930
5.380	0.920
5.500	0.917
5.780	0.910
6.000	0.904
6.200	0.900
6.500	0.894
6.710	0.890
7.000	0.885
7.380	0.880
8.000	0.872
8.200	0.870
8.750	0.860
9.000	0.858
10.000	0.850
11.000	0.838
12.000	0.832
13.000	0.825
14.000	0.820
15.000	0.810

QUICK COST GUIDE 2021

Sl.no	Description	Rates (Nu)						
31.110	Description	PL	GP	SJ	TH			
	Non-Resident	ial						
1	Class room G+1, RCC framed structure,bricks wall in super structure with cement mortar, terrozo/ marbles /tiles/timber flooring, timber doors / windows frames/ shutters and ceilings , celings, PPGI sheet roofing on steel truss, RCC cornices, standard electrical works, plumbling & sanitation, drainage and plinth protection	5,921.29	5,947.90	5,965.35	6,717.59			
2	Kitchen block ,single storey RCC framed structure, RRM wall foundation and brick walls in super structure with cement mortar , terrazzo/marbles /tiles/ timber flooring, timber doors / windows frames/ shutters and ceilings, PPGI/CGI sheet roofing on steel truss, RCC cornices, standard electrical works, plumbling & sanitation, drainage and plinth protection.	6,146.54	6,238.77	6,018.18	6,968.10			
3	Office Block - 2 story RCC framed structure, RRM wall foundation and bricks wall in super structure with cement mortar. Terrazzo/marble/ tiles/timber flooring. timber windows, and doors, PPGI sheet roofing on steel truss, RCC cornices, standard eletrical works, plumbling & sanitation, drainage and plinth protection.	6,340.09	6,400.02	6,470.96	7,084.58			
4	Auditorium block single story Load bearing structure, RRM wall foundation and wall,terrazzo/granite/timber flooring. Brick wall partition with cement mortar, aluminium windows,timber doors, CGI/PPGI sheet roofing on steel truss, RCC cornices, detail eletrical works, drainage and plinth protection, standard plumbing and sanitation	5,732.56	6,036.19	5,809.43	7,027.26			
5	Hall/classroom -Single storey Load bearing structure, RRM wall foundation in mud mortar,RRM wall in super structure in mud mortar,timber doors and windows, cement concrete/timber flooring, wooden truss over CGI sheets/shinglep roofing, drainage and plinth protection	4,766.24	4,880.39	4,913.86	5,075.25			

QUICK COST GUIDE 2021

C1	Description	Rates (Nu)			
Sl.no	Description	PL	GP	SJ	TH
	Residential				
6	Hostel 2 story, RCC framed structure , RRM wall foundation and brick walls in super structure with cement mortar. Terrazzo/marble /tiles/timber flooring. timber windows, doors, PPGI sheet roofing on steel truss, GRC cornices, standard eletrical works, plumbling & sanitation, drainage and plinth protection.	6,242.32	6,336.31	6,378.75	7,110.49
7	Residential-single storey Load bearing structure RMM in foundation & ekra wall in superstructure with mud Plaster both sides, timber/ mud flooring. timber windows & doors, CGI sheet roofing on timber truss, standard eletrical works, drainage and plinth protection, standard plumbing and sanitation	5,466.80	5,623.09	5,681.82	5,910.19
8	Residential-single storey Load bearing structure, RRM wall in foundation, Rammed Earth wall in superstructure, timber flooring, windows & doors, CGI sheet roofing on timber truss, standard eletrical works, drainage, plumbing and sanitation.	5,346.58	5,490.07	5,550.00	5,640.34
9	Residential-double storey Load bearing structure, RRM wall in foundation, Rammed Earth wall in superstructure, timber flooring, windows & doors, CGI sheet roofing on timber truss, standard eletrical works, drainage, plumbing and sanitation.	4,270.49	4,408.78	4,480.17	4,484.66
10	Residential- single storey Load bearing structure,RRM wall in foundation, RRM wall in super structure with mud mortar, wooden/mud flooring. timber windows & doors, CGI sheet roofing on timber truss/shinglep roofing, standard eletrical works, drainage and plinth protection, standard plumbing and sanitation.	7,097.68	7,295.50	7,343.23	7,525.53
11	Residential-single storey Load bearing structure,RRM wall in foundation, RRM wall in superstructure with cement mortar, concrete /tiles/ timber flooring. Timbers windows and doors. CGI sheet roofing on timber truss, standard eletrical works, plumbing and sanitation.	8,196.51	8,376.67	8,459.13	8,924.11

QUICK COST GUIDE 2021

C1	Denovitation :	Rates (Nu)			
Sl.no	Description -	PL	GP	SJ	TH
12	Residential-single storey Load bearing structure,RRM wall in foundation, bricks wall in superstructure with cement mortar,terrazzo/marbles/tiles/timber flooring. timber windows & doors, CGI sheet roofing on timber truss, RCC cornices, standard electrical works, plumbling & sanitation, drainage and plinth protection.	6,470.50	6,566.09	6,687.71	7,248.89
13	Residential-single story RCC framed structure, RRM wall foundation and brick walls in super structure with cement mortar , terrazzo/marbles /tiles/ timber flooring, timber windows, doors & ceiling, PPGI sheet roofing on steel truss,GRC cornices, standard electrical works, plumbling & sanitation, drainage and plinth protection.	8,414.31	8,577.00	8,557.28	9,432.87
14	Residential-double storey, RCC framed structure, Brick walls in super structure with cement mortar, terrozo/ marbles /tiles/timber flooring, timber windows, doors and celings,PPGI sheet roofing on steel truss, RCC cornices, standard electrical works, plumbling & sanitation, drainage and plinth protection.	5,963.67	6,111.56	6,185.24	6,847.60
15	Residential-double storey, RCC framed structure, RMM walls in super structure with cement mortar, terrozo/ marbles /tiles/timber flooring, timber windows, doors and celings,PPGI sheet roofing on steel truss, RCC cornices, standard electrical works, plumbling & sanitation, drainage and plinth protection.	8,209.50	8,217.25	8,262.15	9,356.00
16	Residential House, Multi Storey RCC Framed structure, RRM Wall Footing & RC Column & Footing, Bricks in Wall & Partition with cement mortar. Floor-RC Slab with Terrazo/timber/marble/Tiles Finishing. Timber Doors/Windows Frames/Shutter. PPI Sheet Roofing on Timber/Steel Truss. RC Cornice, Standard Plumbing/Electrical & Finishings.	6,368.25	6,277.46	6,325.28	7,404.52

Bhutan	Schedule	of Rates	2021

7. OCCUPATIONAL HEALTH AND SAFETY

7. Guideline for Occupational Health and Safety Cost

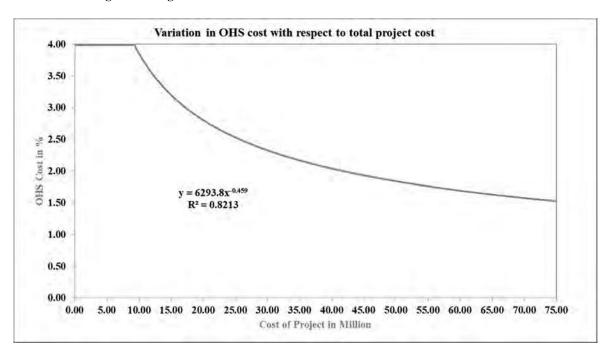
For the purpose of estimation of overall project cost, the cost for Occupational Health and Safety (OHS) may be derived using one of the two equations below, generated from the line of best fit plotted for cost of project versus the percentage of OHS cost. The OHS cost shall be calculated as the percentage of the estimated project cost.

7.1 Selection of the Best Fit Curve

Given the varying nature of the work, it is very challenging to get a best fit curve for every type of construction work. The following curves have been developed for the most common type of construction works in the country. For types of work not covered, the procuring agency may select the curve most suitable to their work from the two curves.

However, the procuring agencies are encouraged to design and analyze their OHS cost depending on the complexity of their project and also if their project requires additional OHS inputs beyond the minimal mandatory requirements specified in Section 2 of this guideline.

7.2 For Buildings and Bridges



 $y = 6293.8 \text{ x}^{-0.459}$ (Up to a maximum of 4 percent) Where; y = OHS Cost in %

¹ Important Note: For projects where the equation yields a percentage of OHS cost higher than 4 percent, the procuring agencies should limit the OHS cost to a maximum of 4 percent.

$$x =$$
estimated project cost

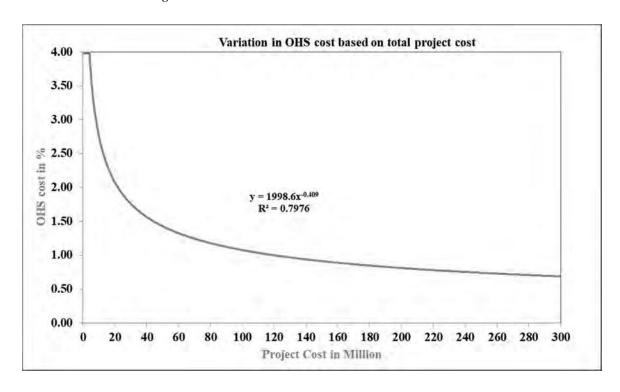
For example, if the estimated project cost is Nu. 30 Million, the cost of OHS would be:

OHS Cost in % =
$$6293.8*(30,000,000)^{-0.459}$$

= 2.33%

Therefore, the OHS cost will be: 2.33 % * 30,000,000 = Nu. 699,000.00

7.3 For Road and Irrigation Works



 $y = 1998.6 x^{-0.409 2}$ (Up to a maximum of 4%)

Where; y = OHS Cost in %

x =estimated project cost

For example, if the estimated project cost is Nu.100 Million, the cost of OHS would be:

Therefore, the OHS cost will be: 1.07 % * 100,000,000.00 = Nu. 1,070,000.00

² Important Note: For projects where the equation yields a percentage of OHS cost higher than 4 percent, the procuring agencies should limit the OHS cost to a maximum of 4 percent.

7.4 The following list of OHS inputs are the minimal mandatory requirements at a construction site. These requirements had been derived in consensus with the Department of Labour (DoL), Ministry of Labour and Human Resources (MoLHR).

7.4.1 Insurance

Every worker shall be insured for the entire period of construction. The capital sum to be insured shall be as per the requirements of Labour and Employment Act of Bhutan - 2007 and its regulations.

7.4.2 Personal Protective Equipment (PPE)

Every worker shall be provided with minimal PPE to minimize exposure to hazard and to ensure safety at the construction sites "at all times". The PPE could be grouped and provided as below:

- ☐ To be provided to all:
 - Safety helmet
 - Safety shoes
 - Protective gloves
 - High visibility Vest
 - Dust mask
- ☐ To be provided to specific workers:
 - Safety belt
 - Safety harness
 - Safety goggle and spectacle
 - Ear muffs
 - Ear plugs
 - Welding shield/glass

7.4.3 Common Protection Measures (CPMs)

- First Aid tool box with aid kits
- Medical examination and records
- Adequate safety signs and signboards
- Boundary fence/barricade
- Fire and electrical safety
- Fall protection
- Trained OHS Officer/ Safety Supervisor/Safety Representative
- Trained first aider
- Safety and health orientation to new workers and safety training
- Housekeeping
- Traffic management at construction site
- Trenching and excavation safety

³ Specific workers includes (but not limited to) those workers working at height, welders, workers engaged in works with high noise level, etc.

⁴ This requirement will only come into effect after the DoL and CDB starts the required training. The site engineer/project manager of the contractor can be OHS officer after getting trained.

⁵ The site supervisor or one of the workers can be the first aider after getting trained.

- 7.5 The standards and specifications for the OHS materials and (or) equipment shall be in compliance with the Labour and Employment Act 2007, Regulation on Occupational Health, Safety and Welfare 2012, and other relevant national documents.
- 7.6 The list of the OHS requirements as per the above list with additional list (if any) shall be attached along the Bill of Quantities (BoQ) along with an appropriate item description to allow the bidder to quote reasonably against the item, and to enable strict compliance and ease the monitoring during the project implementation time.
- 7.7 The procuring agency may allow the reuse of OHS items so long as these reused items serve the intended purpose. Furthermore, all OHS items will remain as the property of the bidder upon completion of the project. This is to encourage the bidders to conscientiously assess the OHS cost and quote reasonably keeping in view the reusability of such items in later projects.

Procuring agencies may also include the OHS officer and the first aider as 'key personnel' required by Labour and Employment Act – 2007 and its regulations depending on the complexity of the project.

- 7.8 Monitoring: Once OHS is integrated into the project cost and the work awarded, the contractor will have to mandatorily mobilize the resources. The site engineers and the respective Procuring Agencies will have to monitor and ensure that the OHS requirements are provided by the contractor at site and used appropriately "at all times". Besides this regular monitoring, a Third Party monitoring of OHS will also be carried out by the Construction Development Board and the Ministry of Labour from time to time.
- **7.9** Mode of Payment: It is recommended that the payment mode be designed to suit the procuring agency. Before making the payment, the project engineer/site engineer and the project manager should verify and confirm that the OHS input requirements have been mobilized and implemented at site. It is also recommended that the payment be made in phases depending on the nature and duration of the project.

No additional payment for OHS shall be made for Variations (Change of rate, time extension, deviation, price adjustment, additional works, etc.)

7.10 General Note: The guideline is prepared fundamentally for the purpose of estimation of the cost of OHS in the project. For the purpose of the payment, it shall be based on the contractor's quoted amount/contract agreement.

In case of works executed departmentally, the agencies have to insure the workers and procure the PPE/CPM following proper procuring procedures. The items must be properly stored for future use and inventory of the same must be maintained.

Bhutan	Schedule	of Rates	2021

0	TEMPODADM	' T TY/TNIC A	ATION
0.	TEMPORARY	LIVINGA	41101

8.1 Guideline for Estimating Cost of Temporary Living Accommodation

For the estimation purpose, the project estimator can use table -I. However, the payment for the same shall be made based on the contractor's bid. The following steps shall be followed for estimating the cost of accommodation facility for a project.

- 8.1.1 Although a proper accommodation is encouraged to be provided, its need for a particular project shall be decided by the procuring agency. Some works such as minor maintenance, community contracting, projects with very short project duration, etc., may not require the provision of accommodation. Therefore, the decision on this shall be taken by the procuring agencies diligently.
- 8.1.2 If it is decided to provide accommodation, then the project estimator shall firstly estimate the average daily number of workers that will be engaged for the project. It is preferred that the daily number of workers be worked out using methods of project planning and management. However, in the absence of required skills and competency to compute the number of workers, project estimators can use the approximate number of workers with practical experience of similar projects. Locate the estimated number of workers for the project in the table I.
- 8.1.3 Locate the project duration in the table I.
- 8.1.4 The cell corresponding to the number of workers and the project duration will be the cost of accommodation for the particular project.

For example; Let the number of workers be: $8 < N \le 12$

The project duration be: 12 months

Then the cost of accommodation will be: Nu. 95,196.00

8.1.5 If the project duration is in between consecutive project durations in the table, the cost of accommodation can be computed by interpolating the value ahead of and the following value of the particular project duration.

For example; let the number of workers be: $8 < N \le 12$

The project duration be: **14 months** (this lies between 12 and 18 months)

Then the cost of accommodation (AC) will be:

$$AC = \left[\frac{AC1 - ACo}{T1 - To}\right] \times (T - To) + Aco$$

Where, AC: Accommodation cost for 14 months

ACo: Accommodation cost for 12 months

AC1: Accommodation cost for 18 months

T: Project duration for AC (14 in this case)

To: Project duration for ACo (12 in this case)

T1: Project duration for ACo (18 in this case)

Therefore, the cost of accommodation with number of workers $8 < N \le 12$ and project duration of 14 months will be:

AC =
$$\left[\frac{108,796 - .,196}{18 - 12}\right] \times (14 - 12) + 95,196$$

AC = **Nu. 99,729.33**

- 8.1.6 Use the same description as specified in OHS 002 of Bhutan schedule of Rates. It is recommended to clearly state in the description that after the completion of the project, the facilities provided for the accommodation be dismantled and the site be cleaned. The materials used for the temporary accommodation shall be the property of the contractor. This is to enable the bidders to quote conscientiously.
 - A drawing with details, and the 'temporary living accommodation standards' for accommodation facility shall be attached with the BoQ. The drawing should be prepared as per this standard and the prototype drawing. However, the sizes shall be determined depending on the number of labours estimated in 8.1.2.
- 8.1.7 In case the contractor fails to provide specified temporary accommodation, then the procuring agencies can construct accommodation facilities as specified in 'temporary living accommodation standards'. The actual cost of construction can be recovered from the first running bill with the condition that the useful materials of the accommodation facilities can be taken ownership by the contractor. A clause on this may be specified in the Special Conditions of Contract (GCC 16.1) of the bidding document.
- 8.1.8 No additional payment for accommodation shall be made for variations (Change of rate, time extension, deviation, price adjustment, additional works, etc.).
- 8.1.9 In case of works executed departmentally, the agencies have to construct accommodation facilities if decided as per step 1 of this guide. The items must be properly stored for future use and inventory of the same must be maintained.

Note:

If the procuring agencies need additional facilities other than the ones specified, then the procuring agencies can analyse the cost for estimating. The payment shall be based on the bidders quoted rate.

Table 8.1.1 Cost of Accommodation for construction projects

No of Labours (N)	Project Duration, T (months)					
	T≤6	12	18	24	30	36 ≤ T
N ≤ 4	42,245	47,525	54,315	63,367	76,040	95,051
4 < N ≤ 8	58,187	65,461	74,812	87,281	104,737	130,922
8 < N ≤ 12	84,619	95,196	108,796	126,928	152,314	190,393
12 < N ≤ 16	111,050	124,932	142,779	166,576	199,891	249,864
16 < N ≤ 20	137,482	154,667	176,763	206,223	247,468	309,335
20 < N ≤ 24	169,238	190,393	217,592	253,857	304,628	380,785
24 < N ≤ 28	195,669	220,128	251,575	293,504	352,205	440,256
28 < N ≤ 32	222,101	249,864	285,558	333,151	399,782	499,727
32 < N ≤ 36	238,044	267,799	306,056	357,065	428,479	535,598
36 < N ≤ 40	264,475	297,535	340,040	396,713	476,055	595,069
40 < N ≤ 44	306,720	345,060	394,354	460,080	552,096	690,120
44 < N ≤ 48	322,663	362,995	414,852	483,994	580,793	725,991
48 < N ≤ 52	349,094	392,731	448,835	523,641	628,369	785,462
52 < N ≤ 56	365,037	410,666	469,333	547,555	657,066	821,333
56 < N ≤ 60	391,468	440,402	503,316	587,202	704,643	880,804
60≤ N	For increase in every 4 - labours, add following values for respective project duration, T (months)					
	26,098	29,360	33,554	39,147	46,976	58,720

8.2 Temporary Living Accommodation Standards

When providing living accommodation to workers at construction sites, the objective should be to ensure adequate and decent accommodation and a suitable living environment for workers. The provision of accommodation to workers shall align with the objectives of Occupational Health and Safety. Therefore, it shall meet certain minimum specifications in respect of the nature and standard of the accommodation, and facilities to be made available.

The following specifications are drawn for the provision of accommodation to workers in Bhutanese construction industry based on international labour standards.

8.2.1 Location

The temporary living accommodation for employees should be constructed at the safest place where there is no risk of flooding, landslide, collapse hazards, falling boulders and other elements.

8.2.2 Accommodation

- a) A gender friendly living accommodation should be provided.
- b) Accommodation should be constructed where workers are protected against the elements (such as wind, cold, rain, heat, etc.)
- c) There should be one room for every 4 employees. Adequate headroom and movement space shall be provided. The size of the room shall be at least 3.5 square meter per person (*refer drawing*).
- d) A separate kitchen shall be provided if employees cook by themselves. However, if the meals are provided by the employer, a common dining room, canteen or mess room, located away from the sleeping areas should be provided.
- e) A separate pour-flush toilet cum bathroom, washing facilities for male and female shall be provided. There shall be one toilet cum bathroom for every six users. The size of the toilet shall comply with the Building Code of Bhutan/ the attached drawing.
- f) The floors of each room shall be constructed of wood or concrete. Floor shall be provided with good finishes. All wooden floors shall be elevated not less than 1 foot above the ground level at all points to prevent dampness and to permit free circulation of air beneath.
- g) The walls of the bed room and the kitchen must be constructed preferably with ply boards of at least 10 mm thickness (or equivalent) and CGI/ PPI Sheet for roofing. For toilets, both walls and roof shall be constructed with CGI/ PPI sheets (or equivalent).
- h) There should be adequate natural light during the daytime and adequate artificial light (refer drawing).
- i) Adequate ventilation to ensure sufficient movement of air in all conditions of weather and climate.

8.2.3 Health and Hygiene

 An adequate and convenient water supply shall be provided for drinking, cooking, bathing, and laundry purposes.

- b) The accommodation should maintain good sanitation and hygiene (proper drainage system, proper waste management, good housekeeping, etc.).
- c) Measures should be taken to prevent the spread of diseases, especially communicable diseases.

8.2.4 Safety at temporary accommodation site

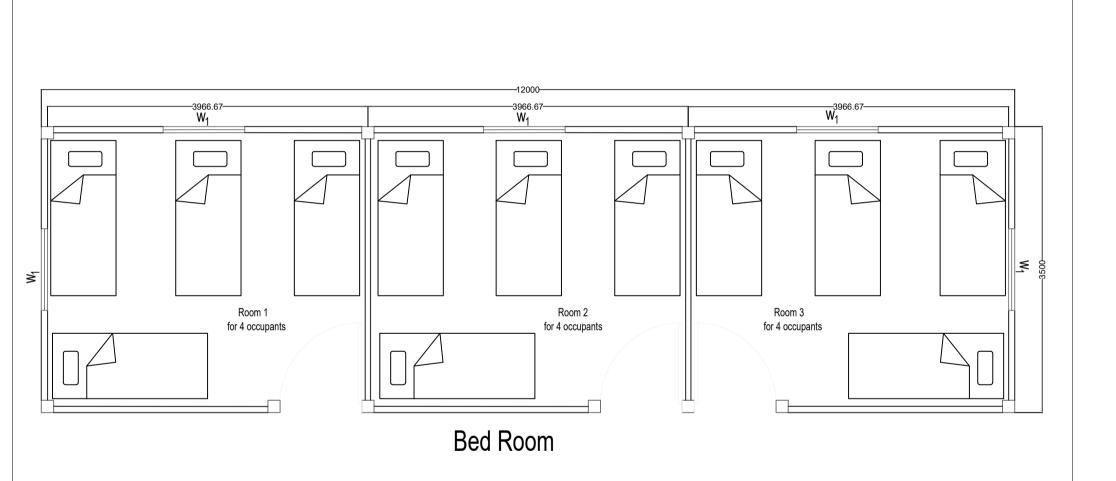
- a) Any electricity supplied for the accommodation should abide by the Electricity Act of Bhutan, 2001.
- b) There should not be any exposed live wire or unattended electrical switches & sockets in the living accommodation.
- c) Every cable used for any purpose should have a plug at one end.
- d) Combustible, explosive, and highly flammable materials should not be stored in the living accommodation.
- e) Fire safety measures should be taken, including installing and maintaining fire equipment.
- f) As far as possible, floors, walls, ceilings and equipment should be constructed to minimize health risks.

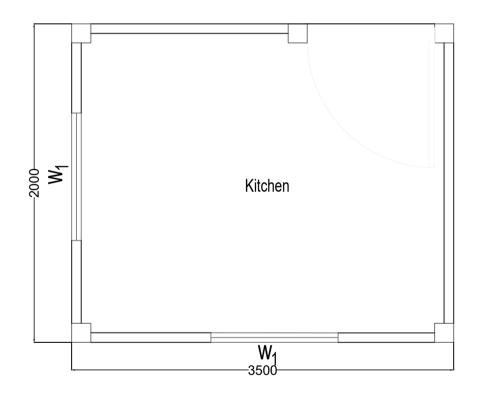
The accommodation shall be provided and maintained for the entire contract period including the time extension if any or the delays. The complete work of providing temporary living accommodation to workers at construction sites shall be treated as an item of work under Occupational Health and Safety.

The construction shall be durable taking into account local conditions, such as liability to earthquakes, flood and landslide. The materials used for accommodation will remain as the property of the bidder upon completion of the project. The reuse of the materials may be permitted as long as these reused items serve the intended purpose or as approved by the procuring agency.

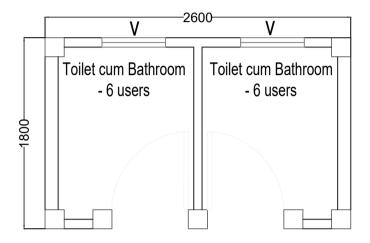
Notes:

- 1. In case the contractor fails to provide specified temporary living accommodation, then the procuring agencies will construct accommodation facilities as specified above. The actual cost of construction will be recovered from the first running bill with the condition that the useful materials of the accommodation facilities can be taken ownership by the contractor.
- 2. No additional payment for accommodation shall be made for variations (Change of rate, time extension, deviation, price adjustment, additional works, etc.).
- 3. The quoted rate shall be inclusive of shifting and rebuilding cost of the accommodation facilities if required.

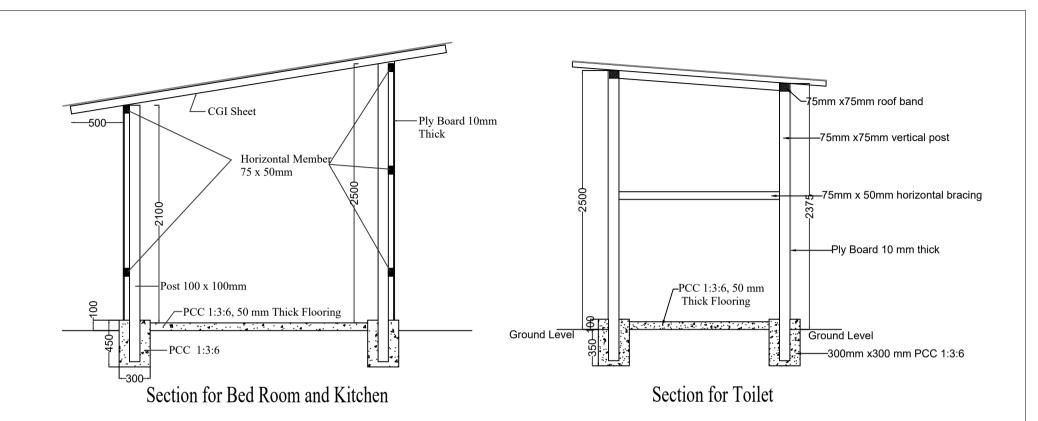


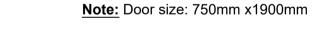


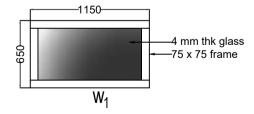
Kitchen

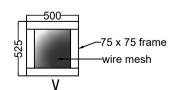


Toilet and Bathroom

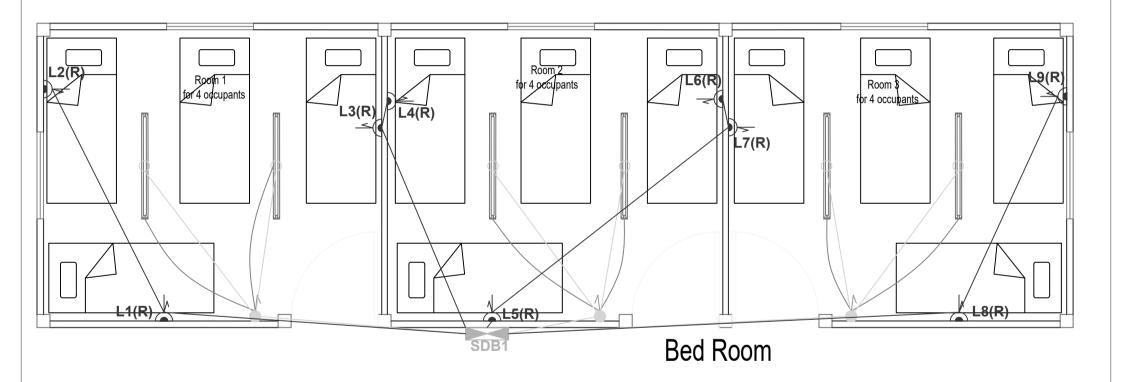


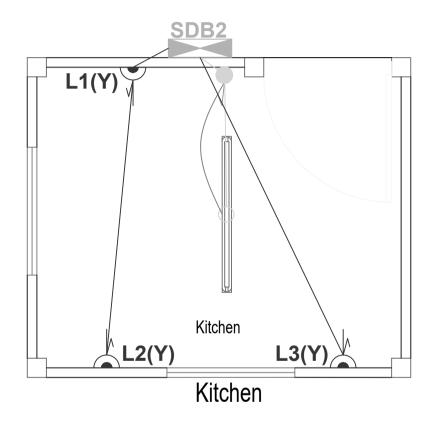


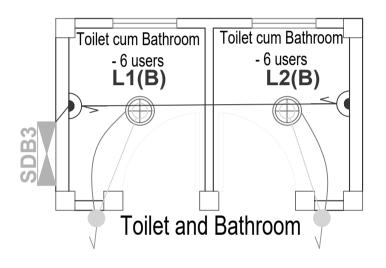




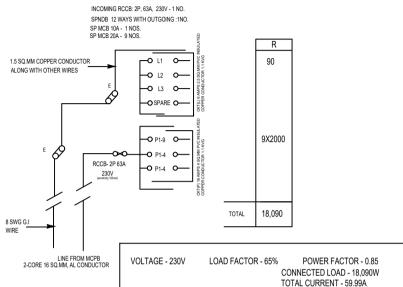
SL.NO.	DESCRIPTION	SYMBOL
1	INDOOR SURFACE/RECESS IN NORMAL TUBE FRAME WITH LED LAMP OF 1X15W	
2	SURFACE/RECESSED CEILING FOR OUTDOOR WITH LED LAMP OF - 1X12 W	
3	MODULAR POWER SOCKET OUTLET WITH 16A SWITCH FOR 2000W	
4	6A 1-WAY & 2-WAY SWITCH AT 1.5M HEIGHT	△
5	WALL MOUNTED MAIN DISTRIBUTION BOARD AT 1.8 M HEIGHT IN GROUND FLOOR	MDB
6	SUB DISTRIBUTION BOARD AT 1.8M HEIGHT FROM FINISHED FLOOR LEVEL	SDB
7	SWITCH BOARD INDICATION IN CONDUIT LAYOUT	



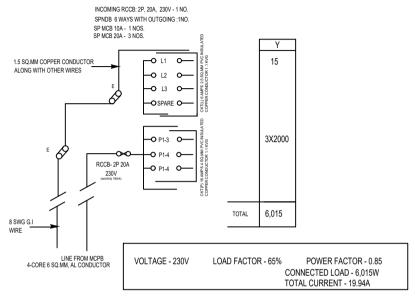




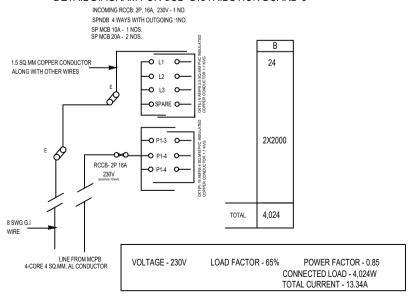
DETAIL DIAGRAM FOR SUB DISTRIBUTION BOARD-1

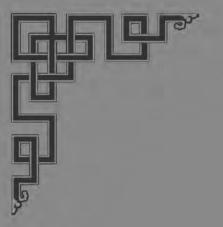


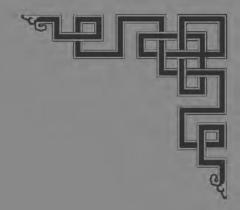
DETAIL DIAGRAM FOR SUB DISTRIBUTION BOARD-2



DETAIL DIAGRAM FOR SUB DISTRIBUTION BOARD-3







Ministry of Works and Human Settlement
Department of Engineering Services
Thimphu, Bhutan
Tel: +975-2-326793/321571/327451

TeleFax: +975-2-324337 Website: www.mowhs.gov.bt

