

SL.NO.	ITEM DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT IN WORDS	AMOUNT
A	EARTH WORK					
A1	Clearing jungles including up rooting of vegetation & trees of girth<300mm diposal within 0 mteris lead	2400.00	sqm			
A2	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 - Hard Soil	900.00	cu.m			
A3	Excavation of foundation trenches or drains, width<1.5m, area<10sq.m in plan, depth>300mm including dressing & ramming, disposal of surplus soil within 50m lead lead & 1.5m lift - All kinds of soil	203.31	cu.m			
A3.1						
A3.2	Hard rock requiring chisiling where blasting is prohibited	87.13	cu.m			
A4	Filling of sides of foundation etc, in layers<200mm using selected excavated earth, ramming etc. within lead 50m & lift 1.5m.	145.22	cu.m			
A5	Providing & laying dry earth bedding, including consolidating each deposited layer by watering, ramming and dressing etc.	42.63	cu.m			
A6	Providing & laying sand bedding, including watering, ramming and dressing etc.	45.60	cum			
B	STONE WORK					
B1	Providing & laying Hand packed stone soling or filling with hard selected stones	48.35	cu.m			
B2	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth - in cement mortar 1:4	39.91	cu.m			
C	PCC WORKS					
C1	Providing & Laying cement concrete 1:2:4, 40mm aggregates excluding the cost of centering and shuttering - in foundation and plinth etc.					
C1.1	In foundation & plinth etc.	7.54	cu.m			
C1.2	For window sill etc.	2.00	cu.m			
C2	Providing and laying cement concrete 1:4:8, 40mm aggregate excluding the cost of centering and shuttering - in foundation and plinth etc.	16.64	cu.m			

SL.NO.	ITEM DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT IN WORDS	AMOUNT
D	R.C.C WORKS					
D1	Providing & laying R.C.C 1:1.5:3, 20mm aggregate excluding the cost of formwork and reinforcement for all floor level:					
D1.1	Foundation, footings, bases of columns till GL etc.	46.39	cu.m			
D1.2	Lintels, beams, girders, bresummers, cantilevers etc.	34.73	cu.m			
D1.3	Columns, pillars, posts, struts etc.	21.19	cu.m			
D1.4	Suspended floors, roofs, landings,shelves and their supports balconies, chajja etc.	44.91	cu.m			
D1.5	Staircase(except spiral staircase) excluding landing but incl. preparation of top surface and finishing nosing.	4.40	cu.m			
D2	Providing & fixing of TMT reinforcement bars(Fe 415) for RCC works including cutting, bending, binding and placing in position complete.	15855.97	kg			
E	CENTERING & SHUTTERING					
E1	Providing & fixing centering & shuttering(form work), including strutting, propping etc. and removal of formwork:					
E1.1	Foundation & plinth	103.20	sq.m			
E1.2	Lintels, beams girders, bresummers, cantilevers etc.	308.89	sq.m			
E1.3	Columns, pillars, posts, struts etc.	200.40	cu.m			
E1.4	Staircase(except spiral staircase)	31.05	cu.m			
E1.5	Suspended floor, roofs, landing, shelves and their supports, balconies, chajjas etc.	626.68	cu.m			
F	FLOORING					
F1	P/f terrazzo or marble chips skirting<300mm height top layer 6mm thick white marble chips size 4mm in proportion, rubbing laid on 12.5mm thick cemet	47.94	cu.m			
G	BRICK WORKS					
G1	Providing & laying Second - Class Brick work for walls in cement mortar 1:4 for all floor level.	91.41	cu.m			
H	WOOD WORKS					
H1	Providing & fixing Mixec Conifer(undressed) in walls,ceilings, eve lining frames etc.	0.64	cu.m			
H2	Providing & fixing joist, including hoisting, applying wood preservative on unexposed surface - Mixed Conifer	3.18	cu.m			

SL.NO.	ITEM DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT IN WORDS	AMOUNT
H3	Providing & fixing 150 x 12mm, with 25mm dia. Wooden curtain rod and brackets including M.S flats 25x3x100mm and plugs etc. complete - Mixed Conifer	144.00	m			
I	DOORS & WINDOW					
I1	Providing & fixing of prefabricated door frame(sizes as per Architectural drawings) including the cost of one coat of wood primer and two coats of synthetic enamel paint,complete:					
I1.1	D	1.00	set			
I1.2	D1	3.00	set			
I1.3	D2	3.00	set			
I1.4	D3	3.00	set			
I1.5	D4	4.00				
I2	Providing & fixing of prefabricated window frame(sizes as per Architectural drawings) including the cost of one coat of wood primer and two coats of synthetic enamel paint & safety bars as shown ,complete.:					
I2.1	W1	9.00	set			
I2.2	W2	5.00	set			
I2.3	W3	2.00				
I2.4	V	6.00	set			
I3	Providing & fixing of prefabricated door shutter(sizes as per Architectural drawings) including the cost of one coat of wood primer and two coats of synthetic enamel paint and its accessories and fittings complete:(1 No. of 250mm MS sliding door bolt, 2 Nos. of 250mm MS tower bolt, 2 Nos. of 250mm MS door handle & 3 Nos. of butt hinges)					
I3.1	D1(Flush door)	1.00	set			
I3.2	D2(Panelled door)	3.00	set			
I3.3	D3(Flush door)	3.00	set			
I3.4	D4 (Pannelled)	4.00	set			

SL.NO.	ITEM DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT IN WORDS	AMOUNT
I4	Providing & fixing of prefabricated window shutter(sizes as per Architectural drawings) including beading and cost of one coat of wood primer and two cotes of synthetic enamel paint and all its fittings and accessories,complete(Refer Pages 3 & 4 of Technical specifications for detail requirements of window fittings and accessories):					
I4.1	W1	9.00	set			
I4.2	W2	5.00	set			
I4.3	W2	6.00	set			
I4.4	W3	2.00	set			
I4.5	V	4.00	set			
J	TRADITIONAL CORNICES Traditional bhutanese type cornices in RCC 1: 1.5: 3 , 20m agg. Inc. cost of form works, finishing with 6mm thick plaster on exposed surface with cement mortar 1:3, excluding cost of reinforcement & decorative painting as per standared design (measurement to be taken along the cornice and wall junction)					
J1	Multi-Storeyed building .. At floor 2 level including the cost of langlag... Chechukhanim	44.51	m			
J3	Lintel Cornices(only cornice portion at external face)	46.68	m			
J4	Phana	34.00	m			
K	ROOFING					
K1	Providing & fixing of roof trusses ,complete as per structural drawings including all the wood works(rafters,struts,purlins etc.) and other requirements such as MS flats, hold down bolts, bolts & nuts with washers etc.	1.00	set			
K2	Providing & fixing Corrugated Galvanised Iron(CGI) sheeting, including bolts, hooks and nuts 8mm dia with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafters etc.	141.02	sq.m			
K3	Providing & fixing of 600mm ridges or hips in plain G.I including bolts, hooks & nuts 8mm dia. Limpet and bitumen washers for connection - 24 g.	20.21	m			

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K4	Providing & fixing 450mm over all semi-circular plain G.I gutter, including brackets bolts,nuts, washers & rain water pipes connections, excluding the cost of pipes - 24 g.	40.42	m			
K5	Providing & fixing PVC rain water pipes & fittings with necessary screws on the wall face including filling joints etc. complete.- 100mm dia.	15.00	m			
K6	Providing & fixing of Eaves board (225x25) with moulding fitted and fixed with necessary screws - Mixed Conifer	69.30	m			
L	FINISHING					
L1	Providing & laying 15mm cement plaster on exterior wall - C.M 1:4	248.19	sq.m			
L2	Providing & laying 12mm cement plaster on interior walls - CM 1:4	647.82	sq.m			
L3	Providing & laying 6mm cement plaster in ceiling - C.M 1:4	283.68	sq.m			
L4	Providing & laying 30mm cement plaster for false ekra band such as Gongu, Zumbhu, shaami, Dgeon - Teod,Budhen etc. - CM 1:4	124.05	sq.m			
L5	Providing & laying cement plaster finished with floating coat of neat cement - 20mm plaster in CM 1:4	61.40	sq.m			
L6	Providing & applying white or colour washing - colour washing\new work, two coats including base coat of white wash with lime for external wall etc.	248.19	sq.m			
L7	Providing & applying finishing coats - Acrylic washable distemper, two coats on new work, including cement primer coat for internal wall etc.	647.82	sq.m			
L9	Providing & applying one coat of primer - Metal work - synthetic red oxide primer	1.53	sq.m			
L10	Providing & applying finishing coats - Synthetic enamel for steel & wood work, two coats on new work	6.51	sq.m			
L11	Providing & applying finishing coats of red corrugal, ready mixed on CGI sheets, two coats on new work.	141.02	sq.m			
L12	Providing & applying cement slurry on RCC slabs using 2.75 kg per sq.m for receiving cement concrete floor including roughening, cleaning & dampen the surface.	32.12	sq.m			
L13	Providing & applying Sumdang washable Traditional Bhutanese paintings - Ding	1.00	L/s			
M	RAILINGS					
M2	Providing & fixing of railings 900mm high as per Architectural					

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	drawings including the cost of one coat of priming coat and two coats of synthetic enamel paint,complete - for staircase	59.89	m			
N	DAMP PROOF COURSE					
N1	Providing & laying damp - proff course with cement concrete 1:2:4, 12.5mm aggregate - 40mm thick	39.91	sq.m			
O	TILE WORK					
O1	Providing & fixing white/coloured glazed tiles in the kitchen and toilet walls laid on bed of 12mm thick cement mortar 1:3 finished with flush pointing in white cement:- for 150 x 150mm	52.32	sq.m			
Q	PLUMBING					
Q1	Providing & fixing P.V.C soil waste vent pipes,single or double socketed,including pipe clip complete(including the cost of PVC fittings) - 110mm dia	50.50	m			
Q2	Providing & fixing P.V.C soil waste vent pipes,single or double socketed,including pipe clip complete(including the cost of PVC fittings) - 75mm dia	30.00	m			
Q3	Providig & fixing G.I pipes including G.I fittings & clamps & repair of walls - 25 mm dia	76.50	m			
Q4	Providig & fixing G.I pipes including G.I fittings & clamps & repair of walls - 15mm dia	128.12	m			
Q5	Providing & fixing Indian - type vitreous china w.c squatting pan, including 100mm H.C.I. P or S trap and foot rest, 10L low level vitreous china,complete.	2.00	each			
Q5	Providing and fixing European-type vitreous china W,C pedestal inc. seat & lid with cp brass hinges, ISI white china low level cisten, fittings, brackets and repair walls.	4.00	each			
Q6	Providing & fixing white vit. China wash basin, including C.I brackets,15mm C.P brass pillar taps,C.P chain & rubber plug, 32mm p.v.c waste, 32mm dia trap & union, repair of walls - Flat back wash basin 450 x 300 mm with single 15mm C.P brass pillar tap	6.00	each			

SL.NO.	ITEM DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT IN WORDS	AMOUNT
Q7	Providin & fixing Kitchen sink including all connections and fittings, 15mm C.P brass pillar taps - Stainless steel, 940 x 460 x 160 mm single bowl & drain board with single 15mm CP brass pillar tap	1.00	each			
Q8	Providing & fixing C.P brass bibcock - 15mm, standard vertical, C.P knob	10.00	each			
Q9	Providing & fixing 600 x 450mm bevelled edge mirror(superior glass) including 4mm A.C sheet base fixed to wooden cleats	4.00	each			
Q10	Providing & fixing toilet paper holder - Recessed ceramic, 200 x 100mm,coloured	4.00	each			
Q11	Providing & fixing C.P towel rail 450 x 20mm with C.P brass brackets fixed to wooden cleats	6.00	each			
Q12	Providing & fixing anodised aluminium kicking plate, 4mm thick with necessary aluminium screws etc. complete	4.80	sq.m			
Q13	Providing & laying 50mm thick plinth protection and grouted with fine sand mix including well rammed, finishing the top smooth - with cement concrete 1:3:6, 20mm aggregate laid over 75mm thick layer of compacted gravel(40mm) and finished with 12mm plaster in CM 1:4 with a floating coat of neat cement.	52.00	sq.m			
Q14	Providing & laying 2nd class brick masonry drain in CM 1:4 including E/W in excavation 100mm thick concrete bed 1:5:10, 40mm aggregate & 25mm thick CC 1:2:4, 12mm aggregate for filling haunches including 12mm plastering 1:4 with a coat of neat cement & disposal of surplus earth etc. - 250x300mm depth	77.70	m			
Q15	Providing & fixing C.I P-type Nahani trap - 100mm inlet & 75mm outlet	6.00	each			
Q16	Providing & fixing c.p brass stopcock-15mm standard, c.p knob	12.00	each			
Q17	Providing & fixing white vitreous china footrests(250x130x30mm)for Indian W.C	2.00	pair			
Q18	Providing & fixing P.V.C soil waste vent pipes,single or double socketed,including pipe clip complete(including the cost of PVC fittings) - 50mm dia	25.00	m			
Q19	Providing & laying HDPE pipes, pressure class 4kg/sqm including HDPE fittings(excluding trenching, filling & thrust block) 110mm dia	250.00	mtr			

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Q20	Excavation & refilling in layers<200mm of trenches for pipes and sockets, cables including dressing of sides/ramming of bottom depth upto 1.5m disposal of surplus material within lead of 50m for all kind of soil - Pipes(80mm<dia<300mm)	250.00	mtr			
Q21	Construction Septic Tank in 2nd class brick masonry in cement mortar 1:4, including fittings, CI cover with frame, 40mm thick cement concrete flooring (40mm aggregates) cement plaster base in CM 1:4:8 etc. complete as per standard design - 50 users	1.00	each			
Q22	Soak Pit -size 1200x1200x1200mm filled with brick bats including 100mm S.W drain pipe x 1200 long.	1.00	each			
Q23	Constructing Brick Masonry Inspection Chamber in CM 1:3, M20 for Cement Concrete and RCC top and bottom slab with 12 mm plaster in CM 1:4 with floating coat of neat cement makkiing channels in cement concrete 1:1.5:3, 20mm aggregate neatly finished including CI Medium/Heavy Duty Cover as per the drawing the drawing					
Q23.1	600mm height	2.00	each			
Q23.2	Providing and fixing water pump 4 HP including cost of fittings, fixing complet with necessary fittings	1.00	each			
R	Providing and fixing 6 mm thick tinted glass including cost of frame, fixing and finishing	22.50	sq.m			
S	Steel in welded section for MCPB compartment door	250.00	kg			
T	Providing and fixing 22 KV transformer including necessary fittings complete.	1.00	No.			
	Total					
	+ or - % if any					
	Total					
	Total after					

Ngultrum in words(

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