

SCHEDULE OF QUANTITIES FOR THE CONSTRUCTION OF Danson,Hattisar, NEPAL SUMMARY					
S.No.	DESCRIPTION	AMOUNT (Rs.)			
1	EARTH WORK	4,346,722			
2	PLAIN / REINFORCED CEMENT CONCRETE WORK	86,889,989			
3	MASONRY WORK	20,141,630			
4	WALL FINISHES	9,135,917			
5	ROOFING / WATERPROOFING WORK	1,998,000			
6	STEEL WORK	81,025			
7	MISC. WORK	1,646,000			
	TOTAL AMOUNT	124,139,182.8			
	VAT	16138093.76			
	GRAND TOTAL AMOUNT	140277276.5			
BILL OF QUANTITIES					
S.NO.	DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
1	EARTH WORK				
1.1	Earth work in excavation below existing ground level by mechanical means or manual in footing, foundation, trenches or drains and front & rear lawn area				
1.1.1	All kind of soil.	Cum	8176	300.00	2,452,800
1.2	Backfilling with available excavated earth as directed in trenches,sides of foundations etc. and in plot area to achieve the desired level as per drawings in	Cum	2918	309.98	904,522
1.3	Providing and filling 400 mm thick Rubble (boulder) soiling under	Cum	433	1800.00	779,400
1.4	Providing and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete. (Consolidated thickness shall be	Cum	105	2000	210,000
	Total carried over to summary (Rs.)				4,346,722
2	PLAIN / REINFORCED CEMENT CONCRETE WORK				
2.1	Providing and laying of ready mix concrete of specified grade (as per approved design mix) for R.C.C/C.C Work supplied and pumped in position (for all				
2.1.1	M-7.5 Grade Concrete under foundation and under floor	Cum	84	8000	752,000
2.1.2	M-25 Grade Concrete in raft	Cum	648	13000	8,424,000
2.1.3	M-25 Grade Concrete in Grade & stitching slab	Cum	121	13000	1,573,000
2.1.4	M-30 Grade Concrete in Pedestal	Cum	RO	15000	
2.1.5	M-30 Grade Concrete in Columns	Cum	RO	15000	
2.1.6	M-25 Grade Concrete in Columns	Cum	RO	13000	
2.1.7	M-25 Grade Concrete in Slab,Beam, Staircase, lintel, counter, muntiy and machine room.	Cum	1016	13000	13,208,000
2.2	Providing and laying of ready mix concrete of specified grade (as per approved design mix) for R.C.C/C.C Work supplied at ground (for all works) including				
2.2.1	M-7.5 Grade Concrete under foundation and under floor	Cum	141	8000	1,128,000
2.2.2	M-25 Grade Concrete in raft	Cum	RO	13000	
2.2.3	M-25 Grade Concrete in Grade & stitching slab	Cum	RO	13000	
2.2.4	M-30 Grade Concrete in Pedestal	Cum	27	15000	405,000
2.2.5	M-30 Grade Concrete in Columns & wall any thickness	Cum	347	15000	5,205,000
2.2.6	M-25 Grade Concrete in Columns	Cum	131	13000	1,703,000
2.2.7	M-25 Grade Concrete in Slab,Beam, Staircase, lintel, counter, muntiy and machine room.	Cum	RO	13000	
2.3	Extra over Item nos 2.1 & 2.2 above for laying R.M.C for under ground water storage tank/over head water tank for water tight structure and providing &	Cum	31	0	0
2.4	Providing & laying in position plain cement concrete of specified mix in raft, bases of column footing, Brick walls footing, base of floor, as screed over				
2.4.1	Concrete mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size)	Cum	5	10000.00	50,000
2.4.2	Concrete mix 1:4:8(1cement :4 coarse sand :8 graded stone aggregate 20mm nominal size)	Cum	5	8000.00	40,000
2.5	Providing and laying reinforced cement concrete work M-20 grade conforming to IS: 456-2000 with coarse sand and graded approved stone aggregate				
2.5.1	Window cills, Loft slab & cub board slab and the like location as parapets coping etc.	Cum	2	12000	24,000
2.6	Providing erecting fabricated steel / wooden ply shuttering of good quality including centering , strutting, propping and bracing, bolting, welding and				
2.6.1	Footings & raft foundation including foundation beams, plinth beam, attaching slab, pedestal etc.	Sqm	297	750	222,750
2.6.2	Wall and shear wall of any thickness	Sqm	1736	750	1,302,000
2.6.3	Columns, pillars, piers, abutments, posts and struts, columns Above pedestal of all shapes	Sqm	2225	750	1,668,750
2.6.4	Suspended floors, roofs, landings, waist slab, balconies and access platform, shelves, chajjas & such other etc. (for all thickness & heights)	Sqm	4008	750	3,006,000
2.6.5	Lintels, beams, rib beams, curved beam, girders, bressumers and cantilevers & fascia	Sqm	3412	750.00	2,559,000
2.7	Extra for double height in centering, shuttering per floor wherever required with adequate bracing, propping etc. including cost of deshuttering & decentering				0
2.7.1	Suspended floor, roofs, landing beam & balconies etc.	Sqm	1981	950.00	1,881,950
	Notes on Shuttering				0
	The shuttering plates will be so laid that the joints in both the directions are in one line . Pattern for which will be got approved .				0
	It should be ensured that the joints between shuttering plates do not exceed 3mm and filled by forms to check slurry leakage.				0
	The plates should have fairly flat with undulations not exceeding + 3mm				0
	The pattern of shuttering includes the deployment of various sizes of plates shall be got approved in advance from owner.				0
	Nothing extra shall be paid for circular , semicircular shape , irregular shuttering , additional height in shuttering if not specified and it should be considered				0
2.8	Providing, laying and fixing in position MS / HYSD bar reinforcement for RCC tralls & precast work including cost of straightening , cutting , bending and	M.T.	307	114150.15	35,044,098
	Total carried over to summary (Rs.)				86,889,989
3	MASONRY WORK				
3.1	Providing and laying brick work using bricks of class designation 75 in foundations and upto plinth level in cement mortar 1:3:3 (1 cement :3 fine sand :3	Cum	21	13819.64	290,213
3.2	Providing and laying brick work using bricks of class designation 75 in super structure above plinth level in cement mortar 1:3:3 (1 cement :3 fine sand :3	Cum	1176	13819.64	16,251,901
3.3	Providing & laying brick work using bricks of class designation 75 in half bricks walls in super structure above plinth level in cement mortar 1:4 (1 cement	Sqm	1567	2200.00	3,447,460
3.4	Providing & laying brick work using bricks of class designation 75 in stair case steps in cement mortar 1:3 (1 cement :3 coarse sand) including joints	Cum	11	13819.64	152,016
Note:	1. Nothing extra shall be paid for rectangular , square , curved or chamfered block/brick work.				
	2. Class designation 75 will mean 1 st class bricks available in the market.				
	Total carried over to summary (Rs.)				26,141,630
4	WALL FINISHES				
4.1	Providing & applying 12 to 15 mm thick cement plaster to walls, columns, piers etc. in cement mortar 1:3:3 (1 cement : 3 coarse sand : 3 fine sand)	Sqm	11473	550	6,310,150
4.2	Providing and applying 18 mm thick cement plaster in two coats under layer 12 mm thick cement plaster 1 : 5 (1 cement : 5 coarse sand) mix with	Sqm	2572	600	1,543,200

4.3	Providing & laying 6 mm thick cement plaster to ceiling in cement mortar 1 : 3 (1 cement : 3 fine sand) applied, finished smooth complete including curing.	Sqm	904	450.57	407,315
4.4	Providing and fixing 24 gauge x 19 mm size galvanized chicken wire mesh to junctions of concrete and masonry work and other locations where called	Sqm	843	500	421,500
4.5	Providing and Laying 15 mm th waterproof cement plaster in cement mortar 1:4 (1 cement :4- coarse sand and adding accoproof or cico approved	Sqm	778	372.11	289,502
4.6	Providing and applying two coats of acrylic based water proofing chemical SBR latex modified acrylic polymer/non shrink filler based highly flexible	Sqm	438	375	164,250
Total carried over to summary (Rs.)					9,135,917
4 ROOFING / WATERPROOFING WORK					
5.1	Providing and laying water proofing treatment by chemical injection grout press in RCC floor / wall or other areas using 25 mm dia G.I. nozzles of			350	
5.1.1	Horizontal and vertical Surface	Sqm	352	750	264,000
5.2	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, etc. consisting of				
i)	Applying and grouting a slurry coat of neat cement using 2.75 Kg/ Sqm of cement admixed with proprietary water proofing compound conforming to IS.				
ii)	Laying cement concrete using broken bricks/ brick bats 25 mm to 100 mm size with 50 % of cement mortar 1:5 (1 cement : 5coarse sand) admixed with				
iii)	After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645.				
iv)	Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1cement : 4 coarse sand) admixed with proprietary water proofing compound				
v)	The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test . All above operations to be done	Sqm	576	2500	1,440,000
5.3	Making khurra 45 x 45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate of 20 mm	Each	4	2500	10,000
5.4	Providing & fixing grating cum leaf trap fabricated out of stainless steel body with grating of approved make & size and profile called for including threading				
5.4.1	To suit 100 mm dia G.I./PVC / MS pipe	Each	4	5000	20,000
5.5	Providing convex gola 75 x 75 mm in cement concrete 1 : 2 : 4 (1 cement :2 coarse sand : 4 graded stone aggregate 10 mm and down gauge) including	Meter	132	2000	264,000
Total carried over to summary (Rs.)					1,998,000
4 STEEL WORK					
6.1	Providing, fabricating and installing and MS work in single or builtup sections for Drain cover, inserts plate, Cover of Sump and gratings, Grill etc. using MS	Kg	463	175	81,025
Total carried over to summary (Rs.)					81,025
7 MISCELLANEOUS WORKS					
7.1	Dismantling / demolition of brick work including stacking of serviceable material and disposal of unserviceable material from site.	Cum	5	7500	37,500
7.2	Dismantling / demolition of RCC work & cutting of all reinforcement bars including stacking of serviceable material and disposal of unserviceable material	Cum	5	10000	50,000
7.3	Dismantling / demolition of PCC work of any mix including disposal of unserviceable material from site.	Cum	5	7500	37,500
7.4	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm	Sqm	50	3500	175,000
7.5	Providing and fixing 600mm long MS hot dipped galvanised puddle flange fabricated out of 6mm thick MS plate 150mm wide welded around the pipes to				
7.5.1	25mm dia	Each	8	5000	40,000
7.5.2	40mm dia	Each	8	7500	60,000
7.5.3	50 mm dia	Each	12	10000	120,000
7.5.4	65mm dia	Each	8	15000	120,000
7.5.5	80 mm dia	Each	12	20000	240,000
7.5.6	100 mm dia	Each	15	25000	375,000
7.5.7	150mm dia	Each	6	30000	180,000
7.6	Providing and fixing Orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12 mm dia. steel bar conforming to IS.	Each	60	100	6,000
7.7	Providing and placing in position suitable and approved PVC water stopper for construction / expansion joints between two RCC members and fixed to the				
7.7.1	Dumb bell with central bulb (230 mm wide , 8 mm thick)	Meter	105	1000	105,000
Total carried over to summary (Rs.)					1,546,000