

Construction of OWS at Bhutan					
S. NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Earth work in excavation in all types of soil excluding soft rock, hard rock as classified in specification for a depth upto 4 mts including removal of vegetation, shrubs and debris etc.,cutting and dressing of sides in slopes,levelling,grading and ramming of bottoms,dewatering of accumulated water from any source and keeping the surface dry for subsequent works and disposal or stacking of excavated material within a lead of 100 M as decided including shoring and strutting.But note that no seperate payment shall be made on account of shoring, shuttering,bottom ramming which are included in this item.	CU.M	200		
2	Hard rock Excavation upto specified depths for work in foundations including trenches; sleepers; manholes pits etc. in all kinds of hard rock etc. by chiseling (Pneumatic or manual or any other agreed method) including removal of vegetation; shrubs and debris; levelling; grading and ramming of bottoms; and disposal or stacking of excavated material within a lead of 100M as decided excluding shoring and strutting. Mode of measurement shall be stack basis & 30% voids shall be deducted from the stack measurement for arriving at net payable measurements. job to be executed upto depth of 5m excavation for under ground tanks .	CU.M	150		
3	Providing & Laying 75mm BFS using bricks having compressive strength not less than 50kg/sqcm.	Sq.M	230		
4	Providing, laying , consolidating n curing plain cement concrete (P.C.C.) as required including the cost of centering and shuttering etc. as directed, with cement of approved make as specified. The rates are applicable for all heights / depths and floors including scaffolding, unless otherwise specified. P.C.C. 1:3:6 mix (1 cement: 3 coarse sand: 6 graded stone aggregates of 20 mm nominal size)	CU.M	4		
5	Providing, laying , consolidating n curing plain cement concrete (P.C.C.) as required including the cost of centering and shuttering etc. as directed, with cement of approved make as specified. The rates are applicable for all heights / depths and floors including scaffolding, unless otherwise specified. P.C.C. 1:2:4 mix (1 cement: 2 coarse sand:4 graded stone aggregates of 20 mm nominal size)	CU.M	18		
6	SAND FILLING Supplying and filling river fine sand of approved quality under floors, in foundation, plinth, in trenches etc. of any compacted thickness, transportation for all leads, lifts, loading and unloading, spreading in layers of thickness not exceeding 15cms at all depths, compacting mechanically or by saturation to minimum 90% of maximum laboratory dry density(modified proctor) including dressing as required etc. complete, as directed by site engineer. Kindly note- Sand filling shall be of local available river sand around the location	CU.M	25		
7	Providing and laying in postion RCC 1:1.5:3 nominal mix using 20mm and down size graded crushed stone aggregate in sub structure and superstructure of all types including placing of concrete,providing pockets,openings, recesses, chamfering wherever required etc., vibrating, tamping, curing and rendering if reqd. to give a smooth and even surface etc. all complete (excluding the cost of reinforcement, but including the cost of centring and shuttering)for all height -below and above plinth level in any shape, position, thickness etc. all complete as specified and directed. Only steel shuttering will be used so as to obtain required finish. The height of shuttering shall not exceed 1.5 m per lift of concrete	CU.M	22		
8	Supplying and placing in position high yield deformed bars for reinforcement conforming to IS:1139/cold twisted deformed bars reinforcement conforming to IS:1786 for R.C.C. work including straighening;cutting; bending to required shapes and lengths as per details,placing in position and binding with 16 SWG black soft annealed binding wire at every intersection,supplying and placing with proper cover blocks,supports,overlaps,welding ,spacers for all heights and depths etc. all complete as directed. Make-IISCO, SAIL, TISCO	MT	1.5		

