

**Name of work: Balance work in Construction of RURAL SELF EMPLOYMENT TRAINING INSTITUTE (RSETI )Building for PNB-CRDT at Kullu, Himachal Pradesh (at Risk & Cost)**

Septic Tank Work								
SL.NO.	Item No in DSR-14	DESCRIPTION	UNIT	As per BOQ		Qty Executed by M/s SKP Buildcon Pvt. Ltd.	Balance Qty to be Executed	Amount
				RATE	Total Qty as per BOQ (M/s SKP Buildcon Pvt. Ltd. or approved erlier			
<b>1.0</b>		<b>SITE DEVELOPMENT AND EARTH WORK</b>						
<b>1.1</b>		<b>EARTH WORK IN EXCAVATION</b>						
1.1.1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means over areas including disposal of excavated earth, lead upto 50m and lift upto 1.5m, surface to be levelled and neatly dressed.						
a	2.6.1	All kinds of soil	cum	160.27	74.00		74.00	11,859.98
							-	-
<b>1.2</b>		<b>Earth Filling</b>					-	-
1.2.1	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. (Net consolidated area fill volume will be computed	cum	115.77	35.00		35.00	4,051.95
							-	-
<b>2.0</b>		<b>CONCRETE WORK (PLAIN AND RCC)</b>					-	-
							-	-
		(Rates for all cement concrete items plain and reinforced described below shall include work from Basement Level to top of last roof including roof of machine room, Mumty, over head water tanks and					-	-
							-	-
		<b>Plain cement concrete</b>					-	-
<b>2.1</b>	4.19	Providing and laying in position ready mixed plain cement concrete, using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work					-	-
		Note :					-	-
		(1) Excess/less cement used than specified in this item is payable/ recoverable separately.					-	-
		(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC.					-	-
2.1.1	4.19.1	All works upto plinth level :					-	-
a	4.19.1.1	M-15 grade plain cement concrete (cement content considered @ 240 kg/cum).	cum	6,049.89	1.80		1.80	10,889.80
							-	-
		<b>Cast - in -situ concrete</b>					-	-
<b>2.3</b>	5.40	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash and cement content as per approved design mix, and manufactured in fully automatic					-	-
		NOTE- (1) Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately.					-	-
		(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456.					-	-
2.3.1	5.40.1	All works up to Plinth level.	cum	6,758.04	13.00		13.00	87,854.52
2.3.2	5.40.2	All works above plinth & up to floor V level.	cum		-		-	-
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<b>2.5</b>	<b>5.9</b>	<b>Centering and shuttering</b>					-	-

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							-	-
		Approved Marine plywood shuttering and centering for structural concrete work in locations called for including strutting, propping, bracing, bolting, wedging, casing, striking, removal etc. complete for any size, section, thickness. Props shall consist of well designed steel pipes adequately braced (wooden ballies as					-	-

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		Allow for forming grooves, drip course, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. Unexposed concrete surfaces subsequently left untreated (in the condition obtained on removal of form work) shall not constitute exposed concrete work.					-	-
		Foundation, raft slabs, raft beams, plinth beam, pedestals/ bases of columns grade slab, Retaining walls (any thickness), suspended floors, roofs, landings, balconies, stairs and landings, slabs of water tank, ramp slabs, lintels, beams, floor beams, girders,					-	-
a.	5.9.1	Foundation, raft slabs, raft beams, plinth beam, pedestals/ bases of columns grade slab etc.	sqm	202.34	5.00		5.00	1,011.70
b.	5.9.2	<b>Retaining walls (any thickness)</b>	sqm	371.62	75.00		75.00	27,871.50
c.	5.9.3	Suspended floors, roofs, landings, balconies, stairs and landings, slabs of water tank, ramp slabs, lintels, beams, floor beams, girders, cantilever beams, deep beams, ramp beams etc.	sqm	413.70	10.00		10.00	4,137.00
d.	5.9.6	Columns, pillars, piers, abutments, posts and struts, off sets & projection of columns, transfer columns, lift walls, water tank walls, swimming pool wall ,ramp walls, all structural walls etc.	sqm		-		-	-
<b>2.6</b>	<b>5.22</b>	<b>Reinforcement steel</b>					-	-
		Laying and fixing in position steel reinforcement in all reinforced concrete work, including straightening, cutting, removal of loose rust by wire brush and coating with cement slurry, bending, hoisting, laying in position					-	-
2.6.1	5.22.6	Thermo mechanically Treated Reinforcement (TMT) or High yield strength Deformed (Tor steel) bars of all size & grades. Basic Rate of Steel : Rs. 50000/Tonne					-	-
a		FE-500 Grade	MT	70,143.00	1.60		1.60	112,228.80
<b>3.0</b>		<b>WATER PROOFING</b>						
		(Quoted Rates are for all heights, depths, levels, leads and lifts) The operations describe below are only indicative & the item is to be executed as per technical / manufacturer's					-	-
		<b>Note:</b> (The Water proofing work must be executed by an approved specialised Agency. The Contractor shall give a 10 years guarantee as per instruction of the Project Manager).					-	-
3.1		<b>Injection Waterproofing</b>					-	-
		Providing and applying Injection water proofing treatment for basement, under ground tank and other RCC structure with the following operations					-	-
a		<b>FOR VERTICAL WALLS</b>					-	-
		From inside :- Providing and laying water proofing treatment by chemical injection grout process in water tank (Under ground and Over head) or other areas using 20mm dia MS nozzles of minimum 25mm deep in walls placed and fixed @1.2m distance in both	sqm	463.50	40.00		40.00	18,540.00
b		<b>FOR HORIZONTAL SURFACES</b>					-	-
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		Providing and laying water proofing treatment by chemical injection grout process on base raft of under ground water tank or other area as per specifications comprising of two layers of Cement mortar 1:3 mixed with Acrylic water proofing compound, providing and fixing 60 mm minimum thickness 1.8m x 6m (Construction)	sqm	360.50	12.00		12.00	4,326.00
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<b>3.2</b>		<b>Glazed Tiles</b>					-	-
a	11.36	Providing and fixing 1st quality ceramic glazed wall & floor tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed.	sqm	861.75	45.00		45.00	38,778.75
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<b>4.00</b>		<b>MISCELLANEOUS WORKS</b>					-	-
		(Quoted Rates are for all heights, depths, levels, leads and lifts)					-	-
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4.1		<b>Foot Rest for Water Tank</b>					-	-
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a	19.16	Providing 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: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with	each	320.95	16.00		16.00	5,135.20
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4.2		<b>PVC Water Stopper</b>					-	-
		Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete :					-	-
a	22.4.2	Dumb bell with central bulb (180 mm wide, 8 mm thick)	rmt	474.98	14.00		14.00	6,649.72
							-	-
4.3		<b>Man Hole Cover</b>					-	-
	19.18	Supplying and fixing C.I. cover with frame for manholes :					-	-
	19.18.3	560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg	each	6,063.30	2.00		2.00	12,126.60
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							-	-
		<b>Total carried over to summary</b>						<b>345,460.00</b>