

SCHEDULE OF QUANTITY

Name of Work:- Remodelling and Tapping of New Source for WSS Bagaila and Bahanu in GP Bagaila, Tehsil Karsog, Distt. Mandi (HP)(SH:- C/O RCC Storage Tank 15000,20000,32400 Ltrs Cap.)						ESTIMATED COST	318351.00
						EARNEST	6367.00
						TIME LIMIT:	3 Months.
Sr. No.	Items of work	Quantity	Unit	Rate		Amount	
1	2	3		4		5	
1	Excavation in foundation trenches etc. in all kinds of earth work such as spade work, pick work, jumper work saturated /un saturated soil blasting work and chiseling/wedging out of rocks where blasting work prohibited up to all depth and lifts including pumping and bailing out water where ever required stacking the excavated earth not more than 3mtrs.clear from the edge of excavation and then returning the stacked soil in 15cm.layers when required into the plinth sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated material within all leads and lifts, useful material available from excavation to be properly stacked and handed over free of cost to the department as per direction of the Engineer-in Charge. within all leads and lifts	40.06	Cum				
2	Providing and laying cement concrete 1:3:6(1cement:3sand:6graded stone aggregate of 40mm nominal size)and curing complete excluding cost of form work including all leads and lifts: a) Foundation and Plinth. within all leads and lifts	8.9	Cum				
3	Providing and laying cement concrete 1:1 ½ :3(1cement:1 ½ sand:3graded stone aggregate of 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work including all leads and lifts:						
	a) Foundation,footing basis of columns & the likeand mass concrete.	7.05	Cum				
	b) Walls (any thickness) but not less that 0.10 Mtrs. hick including attached pilasters buttresses plinth and string course from top of foundation upto floor two levels.	13.59	Cum				
4	Providing and laying cement concrete 1:2:4(1cement:2sand:4graded stone agg.20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work						
	a) Suspended floors, roofs, landings, shelves and their supports balconies, beams girders bressumers and cantilevers upto floor two levels	3.26	Cum				
5	Providing & Laying mild /tor steel reinforcement for RCC. work including bending, binding and placing in position complete up to floor two level including all leads and lifts.:	1673	Kg				

6	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for in situ reinforced concrete and plain concrete work including all leads and lifts:					
	a) Flat surface such as soffits and suspended floors, roofs, landings and the like: Floors etc. up to 200mm in thickness within all leads and lifts	28.13	Sqm			
	b)Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course and the like	191.51	Sqm			
7	Manafcuturing,supplying,Fabrication and fixing of MS fabricated Protection Pannel 650 mm x 650 mm made ms Angle 35 x 35 mm frame , Ms Angle 25 x 25 x 3 mm fore cover, sliding door bo;lt and Ms Sheet (12 gauge mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS Angle Flat& Ms Sheet , embedding in RCC slab by drilling holes in MS angle and in RCc slab, Provision for providing Handle 100 mm, Lock piano hinges and applying a priming coat red oxide paint & painting two coat with steel paint (Firoza Blue) complete job in all respect in all leads and lifts and to the entire satisfaction of the Engineer In Charge.	3.00	Each			
8	Laying jointingin trenches, GMS Tubes (Light Grade), Tube fittings (earth work in trenches to be measured and paid for separately). 50 mm Dia.	48	Rmt			
9	Providing & Fixing sand cast iron / cast iron spun spigot and socket soil , waste and ventilating pipe(lead choked joints to be measured and paid for separately. 100 mm nominal size. within all leads and lifts	6	Each			
10	Providing and fixing sand cast iron / cast iron spun fittings cast iron cowl 100 mm dia. within all leads and lifts	3	Each			
11	Providing and fiing Get matel wheel valve 50mm dia with in all lead and lift . within all leads and lifts	3	Each			
						Total

TERMS AND CONDITIONS:-

- 1 Work will be carried out as per HP.PWD/IPH Specifications
- 2 The contractor shall be responsible himself for watch and ward of material at site of work issued to him by the department
- 3 Final payment shall be released after successful testing and entire satisfaction of the Engineer-in-Charge
- 4 Income tax, GST, Labour Cess & Security will be deducted from each bill of the contractor as applicable.
- 5 Cement shall be issued by the department @ 4940 /- Per Tonne & Steel @ 4950/- Per Qtl at I&PH Divisional storeSarnali Karsog .

Executive Engineer,
IPH Divison Karsog.

SCHEDULE OF QUANTITY

Name of Work:- Remodelling and Tapping of New Source for WSS Bagaila and Bahanu in GP Bagaila, Tehsil Karsog, Distt. Mandi HP (SH: C/O Intake Chamber 1 No, C/O Filter beds 27 Sqm 2 unit and C/O Sedimentation Tank 11000 Ltrs. Cap. 1 No.)						ESTIMATED COST	459421.00
						EARNEST	9188.00
						TIME LIMIT:	One Year
Sr. No.	Items of work	Quantity	Unit	Rate		Amount	
1	2	3		4	5		
1	Excavation in foundation and trenches etc. in earth work in all kinds of soil such as pick work, jumper work, blasting soft or hard rock or by chiselling soft or hard rock where blasting is prohibited in all leads and lifts including trimming / dressing of sides and bed, stacking the excavated soil clear from the edge of excavation and returning the excavated soil after completion of work in 15cm layers when required into plinth, sides of foundation etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated soil complete in all respect as per direction and to the entire satisfaction of the Engineer-in-Charge.	53.58	Cum				
2	P/L cement conc. 1:3:6(1 cement:3 sand:6 graded stone agg. 40mm nominal size) and curing complete excluding cost of form work and reinforcement of RCC work in foundation and plinth with in all leads and lifts as per direction and to the entire satisfaction of the Engineer-in-charge.	13.41	Cum				
3	cement conc 1: 1½ :3 (1cement:1:1½ sand :3 graded stone agg. 20mm nominal size) and curing complete excluding cost of form work and reinforcement for RCC work in foundation and plinth with in all leads and lifts as per direction and to the entire satisfaction of the Engineer-in-charge in:-						
3.1	Foundations, footings, bases of columns and the like and mass concrete in all leads and lifts as per direction and to the entire satisfaction of the Engineer-in-charge.	12.65	Cum				
3.2	Walls (any thickness but not less than 0.1 m thickness) attached pillars, buttresses, plinth and stringing courses etc.from top of foundation level upto floor two level in all leads and lifts as per direction and to the entire satisfaction of the Engineer-in-charge.	21.68	Cum				
4	Providing form work with steel plate 3.15 m.m thick welded with angle iron 30x30x5 m.m so as to give a fair finish including centering ,shuttering, propping etc. height of propping and centering below supporting floor to ceiling upto all heights and removal of the same for in-situ reinforced conc.and plain conc.work in :-						

4.1	Flat surface such as soffits and suspended floors, roofs, landings and the like: Floors etc. up to 200mm in thickness within all leads and lifts	6.22	Sqm			
4.2	Vertical Walls (any thickness but not less than 0.1 m thickness) attached pillars, buttresses, plinth and stringing courses etc.from top of foundation level upto floor two level as per direction & to the entire satisfaction of Engineer-in- Charge upto all lead & lifts.	255.33	Sqm			
5	Providing and laying cement concrete 1:2:4(1cement:2sand:4graded stone agg.20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work a) Suspended floors, roofs, landings, shelves and their supports balconies, beams girders bressumers and cantilevers upto floor two levels in all respect as per direction & to the entire satisfaction of Engineer-in- Charge upto all lead & lifts.	0.69	Cum			
6	Providing tor steel reinforcement for RCC work including bending, binding and placing in position i /c binding wire complete up to floor two level complete in all respect as per direction & to the entire satisfaction of Engineer-in- Charge upto all lead & lifts.	2993.80	Kg			
7	Manfacuturing,supplying,Fabrication and fixing of MS fabricated Protection Pannel 650 mm x 650 mm made ms Angle 35 x 35 mm frame , Ms Angle 25 x 25 x 3 mm fore cover, sliding door bo;lt and Ms Sheet (12 gauge mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS Angle Flat& Ms Sheet , embedding in RCC slab by drilling holes in MS angle and in RCc slab, Provision for providing Handle 100 mm, Lock piano hinges and applying a priming coat red oxide paint & painting two coat with steel paint (Firoza Blue) complete job in all respect in all leads and lifts and to the entire satisfaction of the Engineer In Charge.	2.00	Each			
8	Laying jointingin trenches, GMS Tubes (Light Grade), Tube fittings (earth work in trenches to be measured and paid for separately). 50 mm Dia.	48.00	Rmt			
9	Prov. and fixing Gun matel wheel valve with wheel. 50 mm nominal bore	6.00	Each			
10	Providing and placing in horizontal layers filtering media duly graded, screened cleaned and washed as per specified in all respectas per direction & to the entire satisfaction of Engineer-in- Charge upto all lead & lifts.					
i	Top layer : Fine sand(Eff. Size 0.2mm to 0.4mm and uniformity co- effcient 2 to 3mm)	20.28	Cum			
ii	Second layer: Coarse sand, 3mm to 6mm	2.70	Cum			
iii	Third layer: Bajri 6mm to 20mm	2.70	Cum			

iv	Fourth layer: Bajri 20 mm to 25mm	2.70	Cum			
v	Bottom Layer: Broken stone 50mm to 75mm	4.06	Cum			
11	Providing and placing 1st. Class standard bricks in filter Bed in two layers so as to make cross drains as per direction & satisfaction of the Engineer- in- charge upto all lead & lifts.	1146	Nos.			
TERMS AND CONDITIONS:-					Total	

- 1 The work shall be executed as per PWD/IPH specifications and to the entire satisfaction of the Engineer-in-Charge.
- 2 The contractor shall be responsible for watch and ward the material at site of work.
- 3 The final payment will be made after the successful testing of the work.
- 4 Nothing shall be paid for rejected work / below specifications.
- 5 Scurity , income tax , GST and labour cess shall be deducted from each bill as applicable .
- 6 G.I pipe shall be issued by the department free of cost at I&PH Divisional store Karsog against proper indent.
- 7 Cement e shall be issued by the department @ 4940 /- Per Tonne and Steel @4950 /- Per Qtl at I&PH Divisional storeSarnali Karsog .

Executive Engineer,
IPH Divison Karsog.