

SCHEDULE OF QUANTITY				Page 1 of 6		Estimated Cost:- Rs. 887677/-only	
Name of work:-Providing 8 Nos tube well in Nachan constituency in Tehsil Balh Distt Mandi HP(SH:- C/O Sump well 20000 ltr capacity, protection wrok to tube well No.8 and C/O Toilet).				Earnest Money:- Rs. 17800/-only		Time Limit:- Six Months.	
S.No	Items of work	Qty		Rate		Unit	Amount
				InFig	In Words		
1	<b>Excavation in foundation and trenches etc.</b> in earth work in all kind of soils such as pick work jumper work,saturated soil including bailing or pumping out water, blasting soft/hard rock, chiseling soft/hard rock where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15cm layers when required into plinths,side of foundations etc including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads/lifts and shoring strutting, timbering and dewatering where ever required as per the direction and satisfaction of the Engineer-in-charge.	87.4	Cum			Per Cum	
2	Providing and laying <b>cement concrete 1:4:8</b> (1cement:4sand:8 graded crushed stone agg.40mm nominal size) and curing complete excluding the cost of centering and shuttering in <b>foundation and plinth</b> complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	6.94	Cum			Per Cum	
3	<b>Random rubble masonry</b> (uncoursed /brought to courses) with hard stones of approved quality in <b>foundation and plinth</b> including levelling up with cement concrete 1:6:12 (1cement :6sand:12graded Crushed stone 20mm nominal size) at plinth level in cement mortar 1:6 (1cement:6sand) complete in all respect within all leads and lifts as per direction and satisfaction of Engineer-in-charge.	13.39	Cum			Per Cum	
4	<b>Brick work</b> using common burnt clay building bricks ( 2nd class) in super structure in cement mortar 1:6(1cement:6sand) complate in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	3.08	Cum			Per Cum	
5	<b>Half brick masonry in cement mortar 1:4</b> (1cement:4sand) ( 2nd class) complate in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	4.32	Sqm			Per Sqm	
6	Providing <b>wood work in frames</b> of doors, window clerestory windows and other frames wrought framed & fixed in position complete in all respect with in all leads and lifts as per direction and best satisfaction of Engineer-in-charge. <b>2nd class deodar wood</b>	0.05	Cum			Per Cum	
7	Providing <b>40x3mm iron hold fast 40cm long</b> including fixing to frme with 10cm dia bolts, nuts and wooden plugs and embending in CC block 30*10(15 cm 1:3:6 (1cement: 3sand:6graded stone aggregate 20mm nominal size complete in all respect with in all leads and lifts as per direction and best satisfaction of Engineer-in-charge	10	No.			Each	
8	Providing <b>form work with steel plates</b> 3.15mm thick welded with angle iron frame 30x30x5mm so as to give a fair final including centring shuttering shutting and propping etc with wooden battens and bailies height of propping and centring below supporting floor to ceiling not exceeding 4mtr and removal of the same for insitu reinforced concrete and plain concrete work in:-						
a	<b>Vertical surfaces such as walls</b> ( any thickness) partitions and the like including attached pillastress buttresses plinth & string courses and the like etc. within all leads and lifts as per the direction and satisfaction of Engineer -in-charge.	369.88	Sqm			Per Sqm	

S.No	Items of work	Qty		Rate		Unit	Amount
		InFig	In Words	InFig	In Words		
b	<b>Flat surfaces</b> such as soffits of suspended floor, roofs landings and the like floors etc upto 200mm thickness within all leads and lifts as per directed and best satisfaction of Engineer-in-charge.	11.88	Sqm			Per Sqm	
c	<b>Edges of slab</b> within all leads and lifts as per directed and best satisfaction of Engineer-in-charge.	23.6	Rmt			Rmt	
9	Providing and laying <b>cement concrete 1:2:4</b> (1cement:2sand:4 graded Curshed stone aggregate 40mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced work in:-						
a	<b>Suspended floor,roofs, landings, shelves and their support balconies</b> , beams, girders ,bressumers and cantilivers etc. complete in all respect, within all leads and lifts as per the direction and best satisfaction of Engineer-in-charge.	1.76	Cum			Per Cum	
b.	<b>Beam cantilivers</b> , girders and lintels sides and soffits of beams beam haunchings cantilivers girders bressumers and lintels not exceeding 1 metre in depth complete in all respect within all leads and lifts as per directed and best satisfaction of Engineer-in-charge.	0.15	Cum			Per Cum	
10	<b>20mm cement plaster</b> in single coat on rough side of brick/stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:6(1cement:6sand ) complete in all respect with in all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	41.76	sqm			Per Sqm	
a	6mm cement plaster to ceiling in Cement mortar 1:3(1cement:3sand) in foundation complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	5.16	sqm			Per Sqm	
b,	<b>15mm cement plaster</b> in single coat on rough side of brick/stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:6(1cement:6sand ) complete in all respect with in all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	26.85	sqm			Per Sqm	
11	Providing <b>Tor steel reinforcement</b> for reinforced cement concrete work including bending, binding and placing in position, including the cost of binding wire, complete in all respect, in all leads and lifts as per the direction and satisfaction of Engineer-in-charge.	4994.20	Kg			Per Kg	
12	Providing and fixing <b>Panneled glazed or Panelled and glazed shutters</b> for doors windows and clerestory windows, including black enamelled iron butt hinges with necessary screws, complete in all respect with in all leads and lifts as per direction and best satisfaction of Engineer-in-charge. <b>45mm thick 2nd class deodar wood</b> complete in all respect as per the direction and satisfaction of Engineer-in-charge.	1.69	Sqm			Per Sqm	
13	<b>Stone soling under floor</b> complete item in all respect within all leads & lifts as per the direction and best satisfaction of Engineer-in-charge.	0.27	Cum			Per cum	
14	Providing and fixing <b>MS grills</b> of required pattern and fixed in wooden frames of windows and other frames of windows etc with MS flat , square or round bars with round headed bolts and nuts OR by screws complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge. <b>Plain Grills</b>	4.25	Kg			per Kg	

S.No	Items of work	Qty		Rate		Unit	Amount
				InFig	In Words		
15	Providing and fixing <b>5.5mm thick anti Skid water proof stain</b> and impact resistant heavy duty vetrifed tiles Nitco or Equivalent 300x300x0.10mm manufactured of approved shade and coloured in flooring with cement mortar 1:3 (1cement :3sand) complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge	1.80	Sqm			Per Sqm	
16	Providing and fixing steel fiber reinforcement concrete <b>manhole cover</b> and frame confirming to IS 12592(Part-I) with latest ammendment 560mm dia medium duty complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	1.00	Nos			Each	
17	Providing and fixing <b>white glazed tiles 6mm thick</b> in walls riser of step and dado 12mm thick cement mortar complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge	9.65	Sqm			Per Sqm	
18	<b>White washing</b> with lime on undecorated wall surfaces two coats to give an even shade including thoroughly brooming the surface to remove all dirt dust and other foreign matters complete in all respect as per the direction and satisfaction of Engineer-in-charge.	5.16	Sqm			Per Sqm	
19	<b>Distempering (Two coats) with oil bound washable distemper</b> of approved brand and manufacture and of required shade on undecorated wall surface to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth priming coat with distemper primer, complete in all respect with in all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	16.73	Sqm			Per Sqm	
20	<b>Applying priming coat</b> over new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter,sand papering and knotting ready mixed paint brushing <b>wood primer pink</b> complete complete in all respect with in all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	4.22	Sqm			Per Sqm	
21	<b>Painting two coats (excluding priming coat)</b> on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter , sand papering and stopping <b>with enamel paint other than white</b> complete in all leads and lifts as per the direction and best satisfaction of Engineer-in-charge.	4.22	Sqm			Per Sqm	
22	<b>Applying priming coat on new steel and steel based</b> surfaces after and including preparing the surface by thoroughly cleaning oil, greese , dist and other foreign matters , sand papering and knotting , Ready mixed paint brushing wood primer pink complete in all leads and lifts as per the direction and best satisfaction of Engineer-in-charge. .	0.34	Sqm			Per Sqm	
23	<b>Painting two coats (excluding priming coat)</b> on new steel and steel based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter , sand papering and stopping <b>with enamel paint other than white</b> complete in all leads and lifts as per the direction and best satisfaction of Engineer-in-charge.	0.34	Sqm			Per Sqm	
24	Providing and fixing anodised aluminium <b>Sliding door bolt</b> anodised colour and shade with bolts and nuts , screws etc. complete in all respect within all leads and lifts as per the direction and best satisfaction of Engineer-in-charge. <b>Size:-</b>						

S.No	Items of work	Qty		Rate		Unit	Amount
				InFig	In Words		
a.	<b>250 mm x 16 mm.</b>	1	Nos			Each	
25	Providing and fixing aluminium <b>Tower bolts</b> ( barrel type) anodised transparent or dyed to required shade and colour with screws etc. complete in all respect within all leads and lifts as per the direction and best satisfaction of Engineer-in-charge.						
a	<b>250x10mm</b>	2	Nos			Each	
b	<b>150x10mm</b>	2	Nos			Each	
26	Providing and fixing anodised aluminium <b>Handles</b> with necessary screws etc complete in all respect within all leads and lifts as per the direction and best satisfaction of Engineer-in-charge. <b>Size:-125mm dia</b>	3	Nos			Each	
27	Laying and jointing of GI pipe 15mm dia complete job in all respect in all leads and lifts as per the direction of Engineer-in-charge.(Earth work in trenches to be measured and paid for seperatly) <b>(labour Rate)</b>	60	Rmt			Per Rmt	
28	Providing and Fixing <b>GI unions</b> of superior quality complete in all respect within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge . <b>15mm dia Heavey duty</b>	4	Nos			Each	
29	Providing and Fixing <b>GI elbow</b> complete in all respect within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>15mm dia Heavey duty</b>	20	Nos			Each	
30	Providing and Fixing <b>GI Equal TEE</b> complete in all respect within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>15mm dia Heavey duty</b>	6	Nos			Each	
31	Providing and Fixing <b>GI sockets</b> complete in all respect within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>15mm dia Heavey duty</b>	20	Nos			Each	
32	Providing and Fixing <b>PVC water storage tank</b> complete including fitting etc such as check nut floate valve.required in all respect.1000 ltr capacity.	1000.00	Ltr			Per Ltr	
33	Providing and Fixing <b>GI Neeples</b> complete in all respect, within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>15mm dia 3" Heavey duty</b>	10	Nos			Each	
34	Providing and Fixing <b>GI Neeples</b> complete in all respect, within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>15mm dia 6" Heavey duty</b>	10	Nos			Each	
35	Providing and fixing Full way wheel valve complete in all respect, within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>15mm dia</b>	2	Nos			Each	
36	Providing and fixing PVC connection pipe complete in all respect, within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>15mm dia</b>	3	Nos			Each	
37	Providing and fixing chromium plated pillar cock of 15mm dia of superior quality as approved by the Engineer-in-charge.	1.00	Nos			Each	
38	Providing and fixing <b>vitreous china wash down water closet( European type W.C pan)</b> of required colour OR white, with integral P or S trap including jointing the trap with soil pipe in cement motor 1:1 (1cement: 1sand) complete within alleads and lifts as per the direction of Engineer-in-charge (Seat and cover to be measured and paid for separately).	1	No.			Each	

S.No	Items of work	Qty		Rate		Unit	Amount
		InFig	In Words	InFig	In Words		
39	Providing and fixing Vitreous china <b>Automatic flushing cistern of 5 Ltr capacity</b> , with a pair of CI or MS brackets complete with fittings, including CI syphonic apparatus, masquito proof grating, CP Brass unions and coupling of connections with inlet, outlet and over flow pipes including cutting holes and making good the same, complete job in all leads and lifts as per the satisfaction of Engineer-in-charge ( over flow pipe to be measured and paid for separately) .	1	No.			Each	
40	Providing and fixing <b>Vitreous china wash basin with flat back of size 550mmx400mm.</b> with single hole for pillar tap with CI or MS brackets painted white including cutting holes and making good the same but excluding fittings, complete job in all respect within all leads and lifts as per the satisfaction of Engineer-in-charge.	1	No.			Each	
41	Providing and fixing <b>32 cm long PVC connection pipe 25mm dia</b> with brass union of superior quality complete in all leads and lifts as per the satisfaction of the Engineer-in-charge.	1	No.			Each	
42	Providing and fixing <b>Jet in water closet pan</b> complete in all respect including PVC connection pipe with brass check nut and all other accessories complete job in all respect within all leads and lifts as the satisfaction of Engineer-in-charge.	1	No.			Each	
43	Providing and fixing <b>C.P short body jal bib tap</b> complete job in all respect within all leads and lifts as the satisfaction of Engineer-in-charge.	1	No.			Each	
44	Providing and laying <b>cement concrete 1:1.5 :3</b> ( 1cement: 1.5 sand: 3graded stone aggregate 20 mm nominal size )and curing complete excluding the cost of form work and reinforcement in:-						
(a)	Foundations, footings, basis of columns & the like and mass concrete complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	2.15	cum			Per Cum	
b	<b>Walls(any thickness but ot less than 0.1 mtr thickness)</b> attached pilasters, buttresses, plinth and string courses etc. from top of foundation level up to floor two level complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	4.34	Cum			Per Cum	
45	Providing and laying in trenches GMS tubes ( Light grade) tube fittings earth work in trenches to be measured as paid for separately) <b>50mm dia</b> complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	6	Rmt			Per Rmt	
46	Providing and fixing Full way wheel valve complete in all respect, within all leads and lifts as per the directions and best satisfaction of Engineer-in-charge. <b>50mm dia</b>	1	No			Each	
47	Wire crate made of GI wire filled with boulders with square cut faces against the wire crates to be measured and paid for separately) within all leads and lifts as per the direction and satisfaction of Engineer -in-charge.	31.25	Cum			Per Cum	
48	Wire crate made of GI wire filled with boulders with square cut faces against the wire ( Boulder filling to be measured and paid for separately) 15cmx15cm meas GI wire 5mm thick corresponding to SWG-6 within all leads and lifts as per the direction and satisfaction of Engineer -in-charge.	150	Sqm			Per Sqm	
49	Providing and laying <b>cement concrete 1:2:4</b> (1cement:2sand:4 graded Curshed stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced work in:-						

S.No	Items of work	Qty	Rate		Unit	Amount
			InFig	In Words		
a	<b>Foundation and footing</b> complete in all respect within all leads and lifts as per direction and best satisfaction of Engineer-in-charge.	2.40	Cum			Per Cum
b	<b>Walls</b> ( any thickness) partitions and the like including attached pillastress buttresses plinth & string courses and the like etc. within all leads and lifts as per the direction and satisfaction of Engineer -in-charge.	60	Cum			Per Cum
50	Providing and laying cement concrete 1:5:10 (1cement: 5sand: 10 graded stone aggregate 40mm nominal size) with 15% plums and curing complete excluding cost of form work in foundation in R/walls breast walls, the size of plums shall be 125 to 300mm as per PWD specification within all leads and lifts as per the direction and satisfaction of Engineer -in-charge.	40.50	Cum			Per Cum

**Terms and conditions:-**

- 1 The cement will be issued @ Rs.225 per bag and Tor steel @ Rs.4700/-Quintle , GI pipe of various dia Free of cost on proper indents from IPH Divisional store Baggi.
- 2 The work should be executed as per HP.PWD specifications.
- 3 The rates are inclusive of carriage of materials in all leads and lifts to the site of work.
- 4 The contractor will be responsible for watch and ward of material issued to him and in the event of any theft or loss, the recovery will be made at the double cost of store issue rates.
- 5 10% payment shall be with held by the Department for testing of pump house and the same shall be released only after successful building work of the same.
- 6 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax, Surcharge on Income Tax **GST as applicable.**

Executive Engineer,  
IPH Division, Baggi.