

<b>SCHEDULE OF QUANTITY</b>					
<b>Name of Work:- Providing LWSS to PC Hab. Mahunag in GP Mahunag Tehsil Karsog Distt Mandi HP (SH:- C/O Filter Bed 46 Sqm)</b>				<b>ESTIMATED</b>	<b>495170.00</b>
				<b>EARNEST</b>	<b>9903.00</b>
				<b>TIME LIMIT:</b>	<b>3 Months</b>
<b>Sr. No.</b>	<b>Items of work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>5</b>
1	Cutting in all kinds of soil such as kankar, moorum, shingle boulders decomposed of soft rock or any such mixed in other variety of soil or rocks, including filling in embankments where necessary including ramming and watering etc. stacking of serviceable materials at the place specified by the Engineer-in-Charge including all leads and lifts wherever or for what purpose required.	165.00	Cum		
2	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.	63.99	Cum		
3	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.	15.69	Cum		
4	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	4.60	Sqm		
	b)Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course and the like	234.48	Sqm		
5	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.	14.15	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.	20.49	Cum		

6	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	0.55	Cum			
7	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.:	3167.10	Kg			
8	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 ho,les 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			
9	Laying, jointing and testing in trenches galvanized mild steel screwed and socketed /flanged pipes of following diameter and class, tube fittings in trenches i/c carriage of pipes (Earth work in trenches to be measured and paid for separately) complete in all respect and to the entire satisfaction of the Engineer-in-charge: <b>(LR): 50 mm</b>	30.00	Rmt			
10	Providing & Fixing Full way Gun Metal Wheel valve with hand wheel complete in all respect. 50mm dia	3.00	Each			
11	Providing and placing in horizontal layer filtering media duly graded, screened, washed and cleaned as specified below by the Engineer-in-Charge within all leads and lifts:-					
	a) Top layer , Fine sand( Eff. Size 0.20mm to 0.40 mm and uniformaly co-efficient 2.00 to 3.00)	34.48	Cum			
	b) 2nd layer :Coarse sand 3mm to 6 mm	4.60	Cum			
	c) Third layer : Bazri 6 mm to 20 mm	4.60	Cum			
	d) Fourth layer : Bazri 20 mm to 25 mm	4.60	Cum			
	e) Bottom layer:Broken stone 50 mm to 75mm.	6.90	Cum			
12	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.	1948.00	Nos			
						<b>Total</b>

**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 e shall be issued by the department @ 5900 /- Per Tonne and Steel @4950 /- Per Qtl at I&PH Divisional storeSarnali Karsog .

Executive Engineer,  
IPH Divison Karsog.

<b>SCHEDULE OF QUANTITY</b>						
<b>Name of Work :- Providing LWSS to PC Hab. Mahunag in GP Mahunag Tehsil Karsog Distt Mandi HP (SH:- C/O Head weir , Intake Chamber L/J Fiddler Pipe and C/o of Sed. Tank 20000 Ltrs Cap.)</b>				<b>ESTIMATED</b>	<b>262290.00</b>	
				<b>EARNEST</b>	<b>5246.00</b>	
				<b>TIME LIMIT:</b>	<b>3 Months</b>	
<b>Sr. No.</b>	<b>Items of work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	
1	Cutting in all kinds of soil such as kankar, moorum, shingle boulders decomposed of soft rock or any such mixed in other variety of soil or rocks, including filling in embankments where necessary including ramming and watering etc. stacking of serviceable materials at the place specified by the Engineer-in-Charge including all leads and lifts wherever or for what purpose required.	160.5	Cum			
2	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.	167.7	Cum			
3	Providing and laying cement concrete 1:4:8(1cement:4sand:8graded stone aggregate of 40mm nominal size)and curing complete excluding cost of form work including all leads and lifts: a) Foundation and Plinth.	0.71	Cum			
4	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.	5.58	Cum			
5	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	2.29	Sqm			
	b)Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course and the like	84.95	Sqm			
6	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.	3.56	Cum			

	b) Walls (any thickness) but not less than 0.10 Mtrs. including attached pilasters buttresses plinth and string course from top of foundation upto floor two levels.	6.2	Cum			
7	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 brusses and cantilevers upto floor two levels	0.14	Cum			
8	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.:	711	Kg			
9	Laying, jointing and testing in trenches galvanized mild steel screwed and socketed /flanged pipes of following diameter and class, tube fittings in trenches i/c carriage of pipes (Earth work in trenches to be measured and paid for separately) complete in all respect and to the entire satisfaction of the Engineer-in-charge: <b>(LR):</b>					
	50mm	18	Rmt			
	100mm	400	Rmt			
10	Providing & Fixing Full way Gun Metal Wheel valve with hand wheel complete in all respect. 50mm dia	3	Each			
<b>TERMS AND CONDITIONS:-</b>						<b>Total</b>

- 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 @ 5900 /- Per Tonne and Steel @4950 /- Per Qtl at I&PH Divisional store Sarnali Karsog .

Executive Engineer,  
IPH Division Karsog.

**SCHEDULE OF QUANTITY**

<b>Name of Work:- Providing LWSS to PC Hab. Mahunag in GP Mahunag Tehsil Karsog Distt Mandi HP (SH:- C/O RCC Sump Well 75000 Ltrs Cap.at 1st Stage )</b>					<b>ESTIMATED</b>	<b>241293.00</b>
					<b>EARNEST</b>	<b>4826.00</b>
					<b>TIME LIMIT:</b>	<b>3 Months</b>
<b>Sr. No.</b>	<b>Items of work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
1	Cutting in all kinds of soil such as kankar, moorum, shingle boulders decomposed of soft rock or any such mixed in other variety of soil or rocks, including filling in embankments where necessary including ramming and watering etc. stacking of serviceable materials at the place specified by the Engineer-in-Charge including all leads and lifts wherever or for what purpose required with in all lead and lift .	75.25	Cum			
2	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-Chargewith in all lead and lift ..	46.08	Cum			
3	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.	7.37	Cum			
4	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	27.82	Sqm			
	b)Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course and the like	120.92	Sqm			
5	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.	5.74	Cum			

	b) Walls (any thickness) but not less than 0.10 Mtrs. including attached pilasters buttresses plinth and string course from top of foundation upto floor two levels.	8.63	Cum			
6	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 with in all lead and lift .					
	a) Suspended floors, roofs, landings, shelves and their supports balconies, beams girders bressumers and cantilevers upto floor two levels	1.32	Cum			
7	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.:	1219	Kg			
8	Manufacturing, 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 bolt 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 with in all lead and lift ..	1	Each			
9	Laying, jointing and testing in trenches galvanized mild steel screwed and socketed / flanged pipes of following diameter and class, tube fittings in trenches i/c carriage of pipes (Earth work in trenches to be measured and paid for separately) complete in all respect and to the entire satisfaction of the Engineer-in-charge: <b>(LR)</b> : with in all lead and lift .					
	50mm	16	Rmt			
10	Providing & Fixing Full way Gun Metal Wheel valve with hand wheel complete in all respect. 50mm dia	1	Each			
11	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. with in all lead and lift .	2	Each			
12	Providing and fixing sand cast iron / cast iron spun fittings cast iron cowl 100 mm dia. with in all lead and lift .	1	Each			
<b>TERMS AND CONDITIONS:-</b>						<b>Total</b>

- 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 @ 5900 /- Per Tonne and Steel @ 4950 /- Per Qtl at I&PH Divisional store Sarnali Karsog .

Executive Engineer,  
IPH Division Karsog.

<b>SCHEDULE OF QUANTITY</b>					
<b>Name of Work :- Providing LWSS to NC/PC Habitation karla,Bartha in GP Dhanyara Tehsil Nihri Distt Mandi (HP)</b>				<b>ESTIMATED</b>	<b>493731.00</b>
<b>(SH:- C/O pump House cum Attendent room)</b>				<b>EARNEST</b>	<b>9875.00</b>
				<b>TIME LIMIT:</b>	<b>3 Months</b>
<b>Sr. No.</b>	<b>Items of work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>5</b>
1	Excavation in foundation and trenches etc. (for pipes & pits) 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.	39.22	Cum		
2	Providing and laying cement concrete 1:6:12(1cement:6sand:12 graded stone agg.40mm nominal size) and curing complete excluding cost of centering and shuttering including all leads and lifts. a) Foundation and plinth	11.30	Cum		
3	Random Rubble masonry /polygonal rubble un-coursed /brought two coat with hard stone of approved quality in foundation and plinth including leveling up cement concrete 1:6:12(1cement:6sand:12graded stone agg.20mm nominal size) in plinth level/super structure. with cm 1:6 (1cement :6sand) including all leads and lifts	25.95	Cum		
4	Boulder filling tightly hand packed under floor.	7.15	Cum		
5	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm, so as to give a fair finish including centring shuttering ,strutting and propping etc.with wooden battens and ballies,height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs. and removal of the same for in situ reinforced concrete and plain concrete work in:-				
	a) Beams,cantilivers,girders and lintels sides and soffits of beams,beam haunchings, cantilivers , girders, bressumers and lintels not exceeding 1 metre in depth.	26.62	Sqm		
	b) Slopping or battering surfaces including folded plates where inclination to horizontal plane does not exceed 30*	61.35	Sqm		
	c)Flat surfaces such as soffits of suspended floors roofs landings and the like floors etc. up to 200 mm in thickness.	71.68	Sqm		
	d) Edges of slab and breaks in floors and walls under 20 cm wide.	12.20	Sqm		
6	Providing and laying cement concrete 1:2:4 ( 1cement:2 sand: 4graded stone aggregate 20 mm nominal size )and curing complete excluding the cost of form work and reinforcement in:-				
	i) suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level.	15.29	Cum		
7	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level.	1088.10	Kg		
8	Brick work using common burunt clay building bricks in foundation and plinth in cement mortar 1:6 (1 cement : 6 sand)	34.01	Cum		
9	Providing and fixing steel glazed doors frame manufactured from commercial mild steel of 1.25mm thickness including hinges jump lock jamb beed and if required angle threshold of mild steel angle of section 50X25 mm or base tiles of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means ,adjustable lugs with split and tails to each jammb including steel but things 2.5 mm thick with guards,Lock strike plate and shock specified and apply oat of aproved steel primer after oretreatment of surface as directed by Enginner-in-charge.	59.15	Sqm		

10	P/F panelled glazed or panelled and glazed shutters for doors, windows and clerestory windows including black enamelled iron butt hinges with necessary screws etc. complete black enamelled iron butt hinges with necessary screws etc. complete.	15.55	Sqm			
11	Providing and fixing MS grills of required pattern in wooden frames of windows etc. with MS flats, square or rounded bars with round headed bolts and nuts or by screws.(Plain Grill)	1.04	Kg			
12	Cement concrete flooring 1:2:4 (1 cement : 2 sand :4 graded stone aggregate 20 mm nominal size) laid in one layer finished with a floating of neat cement,40 mm thick	39.13	Sqm			
13	6mm cement plaster to ceiling in CM 1:3 (1Cement :3 Sand)	74.32	Sqm			
14	15 mm cement plaster in single coat on rough side of brick/concrete stone walls for interior plastering up to floor two levels including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 80 mm in girth and finished even and smooth in cement mortar 1:6 (1 cement:6 sand)	123.88	Sqm			
15	Pointing on brick work in CM 1:3 (1Cement :3 Sand).	97.97	Sqm			
16	White washing 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.	74.32	Sqm			
17	Distemping with dry distemper of approved brand and manufacture (two coats) and of required shade on undecorated wall surfaces to give an even shade sand papered smooth.	123.88	Sqm			
18	Applying priming coat on new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil,greese,dirt and other foreign matters,sand papering and knotting.Ready mixed paint brushing wood primer pink.	34.99	Sqm			
19	Painting two coats (excluding priming coat) on new wood and wood based surfaces,with enamel paint to give an even shade including cleaningthe surface of dirt ,dust and other foreign matters sand papering and stopping with enamel paint other than white	34.99	Sqm			
20	Providing and fixing anodised MS sliding door bolts with bolts and nuts screws etc. complete.					
	300 *16 mm	2.00	Nos			
21	Providing and fixing anodised MS tower bolts ( barrel type) with screws etc. complete.					
	250 * 10 mm	4.00	Nos			
	150 * 10 mm	26.00	Nos			
22	Providing ad fixing anodised MS handles with necessary screws etc. complete.					
	125 mm	20.00	Nos			
23	Providing plinth protection 50 mm thick in cement concrete 1:3:6 (1cement:3sand:6 graded stone aggregate 20 mm nominal size).	17.73	Sqm			
24	Proving under layer for plinth protection of 75 mm thick(unconsolidated) bed dry brick/stoneAggregated 40 mm nominal size will rammed with rammed and consolidated and grouted with fine sand including preparation of ground.	23.64	Sqm			
25	Precast terrazo tiles 20mm thick with marble chips of specified sizes laid in floors of cement mortar 1:6 (1cement : 6morter) jointed with neat cement slurry mixed with pigment to match the shade of tiles (wherever required) including rubbing and polishing complete with tiles of Dark shades.	7.20	Sqm			
26	Half bricks masonry in common burnt clay building bricks in cement mortar 1:4 (1 cement : 4 Sand).	17.38	Sqm			
						<b>Total</b>

**TERMS AND CONDITIONS:-**

- 1 The Work shall be executed as per PWD/IPH Sepecification and to the entire satisfaction of the Engineer-in-charge.
- 2 Cement & Steel will be issued to the contractor by the Deptt. Cement @ 5900/- P-Tonne & Steel Rs. 4950/- P/Qtl from IPH Divisional Store Karsog.
- 3 The Contractor Shall be responsible for watch and ward the material at site of work.
- 4 The Final payment will be made after the successful testing of the work.
- 5 Nothin shall be paid for rejected work/ below specifications.
- 6 Security, income tax and labour cess shall be deducted from each bill.

Executive Engineer,  
IPH Divison Karsog.



**SCHEDULE OF QUANTITY**

<b>Name of Work :- Providing LWSS to NC/PC Habitation karla,Bartha in GP Dhanyara Tehsil Nihri Distt Mandi (HP)</b>				<b>ESTIMATED</b>	<b>387657.00</b>
<b>(SH:- C/O Chemical store room and Toilet cum WC for pump house with electrical installation to pump House cum</b>				<b>EARNEST</b>	<b>7753.00</b>
<b>Attendant room and satinary fitting to toilet cum WC)</b>				<b>TIME LIMIT:</b>	<b>6 Months</b>
<b>Sr. No.</b>	<b>Items of work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>5</b>
1	Excavation in foundation and trenches etc. (for pipes & pits) 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.	23.10	Cum		
2	Providing and laying cement concrete 1:6:12(1cement:6sand:12 graded stone agg.40mm nominal size) and curing complete excluding cost of centering and shuttering including all leads and lifts. a) Foundation and plinth	4.21	Cum		
3	Random Rubble masonry /polygonal rubble un-coursed /brought two coat with hard stone of approved quality in foundation and plinth including leveling up cement concrete 1:6:12(1cement:6sand:12graded stone agg.20mm nominal size) in plinth level/super structure. with cm 1:6 (1cement :6sand) including all leads and lifts	14.96	Cum		
4	Providing and fixing pressed steel doors frame manufactured from commercial mild steel sheet of 1.25mm thickness including hinges, jump lock jamb, bead and if required angle threshold of angle of saction 50x25mm or base ties of 1.25mm pressed steel welded or rigidly fixed together by machanical means, adjustable lugs with split and tails with gaurds lock strike plate and shock as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-in-charge.	26.85	Sqm		
5	Half Brick work using common brunt clay building bricks in cement mortar 1:4 (1 cement : 4 sand)	1.80	Sqm		
6	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm, so as to give a fair finish including centring shuttering ,strutting and propping etc.with wooden battens and ballies,height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs. and removal of the same for in situ reinforced concrete and plain concrete work in:-				
	a) Beams,cantilivers,girders and lintels sides and soffits of beams,beam haunchings, cantilivers , girders, bressumers and lintels not exceeding 1 metre in depth.	2.91	Sqm		
	B)Flat surfaces such as soffits of suspended floors roofs landings and the like floors etc. up to 200 mm in thickness.	28.28	Sqm		
	c) Edges of slab and breaks in floors and walls under 20 cm wide.	15.84	Rmt		
7	Providing and laying cement concrete 1:2:4 ( 1cement:2 sand: 4graded stone aggregate 20 mm nominal				
	i) suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level.	3.89	Cum		
8	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level.	350.10	Kg		
9	Boulder filling tightly hand packed under floor.	2.14	Cum		
10	6mm cement plaster to ceiling in CM 1:3 ( 1Cement :3 Sand)	32.24	Sqm		
11	15 mm cement plaster in single coat on rough side of brick/concrete stone walls for interior plastering up to floor two levels including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 80 mm in girth and finished even and smooth in cement mortar 1:6 (1 cement:6 sand)	119.47	Sqm		
12	Cement concrete flooring 1:2:4 (1 cement : 2 sand :4 graded stone aggregate 20 mm nominal size) laid in one layer finished with a floating of neat cement.40 mm thick	9.30	Sqm		

13	Providing and fixing steel glazed doors frame manufactured from commercial mild steel of 1.25mm thickness including hinges jump lock jamb bead and if required angle threshold of mild steel angle of section 50X25 mm or base tiles of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means ,adjustable lugs with split and tails to each jamb including steel but things 2.5 mm thick with guards,Lock strike plate and shock specified and apply oat of aproved steel primer after oretreatment of surface as directed by Enginner-in-charge.	9.41	Sqm			
14	White washing 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.	28.73	Sqm			
15	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on undecorated wall surfaces to give an even shade sand papered smooth.	115.60	Sqm			
16	Applying priming coat on new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil,greese,dirt and other foreign matters,sand papering and knotting.Ready mixed paint brushing wood primer pink.	17.22	Sqm			
17	Painting two coats (excluding priming coat) on new wood and wood based surfaces,with enamel paint to give an even shade including cleaningthe surface of dirt ,dust and other foreign matters sand papering and stopping with enamel paint other than white	17.22	Sqm			
18	Providing and fixing anodised MS sliding door bolts with bolts and nuts screws etc. complete.	2.00	Nos			
19	Providing and fixing anodised MS tower bolts ( barrel type) with screws etc. complete.					
	250*10 mm	3.00	Nos			
	150* 10 mm	19.00	Nos			
20	Providing ad fixing anodised MS handles with necessary screws etc. complete.					
	125 mm	11.00	Nos			
21	Providing plinth protection 50 mm thick in cement concrete 1:3:6 (1cement:3sand:6 graded stone aggregate 20 mm nominal size).	6.32	Sqm			
22	Proving under layer for plinth protection of 75 mm thick(unconsolidated) bed dry brick/stoneAggregated 40 mm nominal size will rammed with rammed and consolidated and grouted with fine sand including preparation of ground.	8.42	Sqm			
23	Brick work using common burunt clay building bricks in foundation and plinth in cement mortar 1:6 (1 cement : 6 sand)	8.39	Cum			
24	P/F following type of surface mounting decorative mirror optics luminaire with powder coated CRCA sheet steel housing low glaire aluminium mirror reflector prewired with 110v starter and 36/40 watt copper lallast for housing CFL (but excluding the cost of CFL) complete with all accessories connections testing and commissioning etc. as required					
	3x36 watt -CFL philliphs make (Cat. A)	3.00	Nos			
25	Providing and fixing on wall face PVC (D-Plast) rain waetr pipe of working pressure not less 4.5 kg/sqm including fitting the joints with approved adhesive complete with in all leads and lifts and carriage of materials 110mm nominal bore.	20.00	Rmt			
26	P/F on wall phase door bend (D-plast) with oval access door insertion rubber washer 3mm thick bolt and nuts ISI marked complete including fixing with approved adhesive complete 75 mm nominal bore.	6.00	Nos			
27	Wiring for light point/fan point exhaust bell point 1.5 sq. mm. PVC insulated heat resistant flame retardent (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping and earthing the light point with 1.5 sq. mm HRFRLS/PVC insulated single core copper conductor cable as required	26.00	Nos			
	Croup C					
28	Wiring for circuit sub/main with following size PVC insulated heat resistant flame retardent (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping alongwith 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required					
	2 X 1.5 sq.mm.	95.00	Nos			
	2 X 4.0 sq.mm	50.00	Nos			
29	(a) Supplying and fixing 3 pin 5/6 amps. Socket outlet on the exists switch box/covers including connections etc. as required.	4.00	Nos			
	(b) Supplying and fixing 2 way 5/6 amps. Tumbler/piano type switch on the existing switch box on the switch box/cover including connections etc. as required.	4.00	Nos			

30	(a) Supplying and fixing 3 pin 15/16 amps. Socket outlet on the exists switch box/covers including connections etc. as required.	4.00	Nos			
	(b) Supplying and fixing 15/16 amps. Tumbler/piano type switch on the existing switch box on the switch box/cover including connections etc. as required.	4.00	Nos			
31	Supplying and fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing phenolic laminated sheet cover in front including painting etc.as required:--					
	229mm x 102 mm x60 mm deep.	4.00	Nos			
	203mm x 152 mm x60 mm deep.	4.00	Nos			
32	S/F ceiling rose on eisting junction box/wooden block including connections as required.	11.00	Nos			
33	S/F plain pendent with 16/20 mm twisted, Fleible PVC insulated cable baklite pendant holder including connections as required.	3.00	Nos			
34	Supplying and Fixing 5 Amps to 32 Amps rating, 240 Volts, L. series miniature circuit breaker of following poles in the existing MCBDB complete with connections, testing and commissioning etc. as required Cat - A. (Single Pole)	8.00	Nos			
35	Supplying and fixing of following way, single pole and neutral, sheet steel, MCB distribution board, 240 Volts on surface/ recess, complete with tinned copper busher, neutral link, earth bar din, bar, detachable gland plate, interconnections including painting earthing etc. as required; busbar. 8 way	1.00	Nos			
36	Supplying and fixing of following rating double pole (single phase & neutral) 240 volts residual current circuit breaker (RCCB) in the existing MCB DB complete with connections testing and commissioning etc. as required 63 Amp. Cat A.	1.00	Nos			
37	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required 1400mm Sween category A	2.00	Nos			
38	Providing and fixing ultra slim decorative extruded box fixture with domestic electronic ballast , snap on installer suitable for 28 watt FTL (T 8), complete with all accessories (Including 01 Nos. T-8 Tube ) connectons testing and commissioning etc. as required 1 X 28 watt FTL (T 8 ) Cat. A	4.00	Nos			
39	Providing and fixing two core service wire 6 sqmm thick.	45.00	Rmt			
40	Supplying and fixing of CFL 23 watts	2.00	Nos			
41	Supplying and fixing of CFL 5 watts	1.00	Nos			
42	Providing and fixing automatic flushing cistern with a pair of CI or MS bracket complete with fitting including CI Syphonic apprature masquits proof lid, CP brass unions and coupling for connecting with inlet outlet and over flow pipes including cutting holes and making good the same Over flow pipe to be measured and paid for seperately (Viterious china 5 liters capacity	1.00	Nos			
43	Providing and fixing vitreous china wash down water closet (Anglo Indian, W.C pan) with integral P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 ( 1 cement 1 sand) ( Seat and cover to be measured and paid for seperately) (White colour)	1.00	Nos			
44	Providing and fixing 100 mm size P or S trap for water closet ( Squatting Pan) including jointing the trap with the pan and soil pipe in cement mortar 1:1 ( 1cement : 1 sand) Sand cast iron	1.00	Nos			
45	Providing & fixing viterious china wash basin with single hole for pillar tap with CI or MS bracket painted white including cutting hole including good the same excluding fitting Cera sanitary work (cornet) white 550x400 white	1.00	Nos			
46	Providing and fixing viterious china padestral for wash basin complete recessed at the basic for reception of pipe and fittings Cera sanitary work (carnet) white (Viterious China in White Colour)	1.00	Nos			
47	Providing and Fixing of water storage tank sintex having of capacity 500 liters with necessary fittings including over flow pipes, scour pipes etc. inlet and outlet and inside paint of required size for inlet or outlet and inside paint of approved quality complete including hoisting complete in all respects.	1.00	Nos			
48	Providing and fixing sand cast iron / cast iron spun fittings and accessories C Single equal branch of required degree. I With oval access door insertion rubber washer 3 mm thick bolts and nuts complete 100 mm nominal bore.	1.00	Nos			
49	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) tube fittings and clamp including making good the wall ceiling and floor in all leads and lifts.) 15 mm nominal bore	25.00	Nos			
50	Providing and fixing full way wheel valve 15 mm dia Gun metal.	1.00	Nos			
51	Providing and fixing brass bib tap (superior qualityor heavy type) 15 mm dia.	1.00	Nos			

52	Providing and fixing soap dish.	1.00	Nos			
53	Supplying and fixing of cast iron manhole cover with frame 455 x 610 mm rectangular C.I. cover (light duty) single seal pattern the weight of cover 23 Kg. and weight of frame 15 Kg. The total weight of cover and frame to be not less than 38 Kg. complete.	1.00	Nos			
54	Providing wood work in frames of door, windows, clerestory windows and other frames wrought , framed and fixed in position (2nd class deodar wood).	0.06	Cum			
55	White glazed tiles 6 mm thick in flooring cement mortar 1:3 (1cement : 3 sand) finished with flush pointing in white cement.	2.16	Sqm			
56	White glazed tiles 6 mm thick in skirting risers of steps and dado 12 mm thick cement mortar 1 :3 ( 1 cement : 3 sand ) and jointed with cement slurry.	3.06	Sqm			
<b>TERMS AND CONDITIONS:-</b>						<b>Total</b>

- 1 The Work shall be executed as per PWD/IPH Sepecification and to the entire satisfaction of the Engineer-in-charge.
- 2 Cement & Steel will be issued to the contractor by the Deptt. Cement @ 5900/- P-Tonne & Steel Rs. 4950/- P/Qtl from IPH Divisional Store Karsog.
- 3 The Contractor Shall be responsible for watch and ward the material at site of work.
- 4 The Final payment will be made after the successful testing of the work.
- 5 Nothin shall be paid for rejected work/ below specifications.
- 6 Security, income tax and labour cess shall be deducted from each bill.

Executive Engineer,  
IPH Divison Karsog.

<b>SCHEDULE OF QUANTITY</b>					
<b>Name of Work :- PLWSS Jassal Sawindhar in Tehsil Karsog, Distt. Mandi (HP) (SH:- C/O Jack Well at 1st stage)</b>				<b>ESTIMATED</b>	<b>191091.00</b>
				<b>EARNEST</b>	<b>3822.00</b>
				<b>TIME LIMIT:</b>	<b>3 Months</b>
<b>Sr. No.</b>	<b>Items of work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	Excavation in foundation trenches etc in all kinds of earth work such as spade work, pick work, jumper work saturated /un-saturated soil basting work and chiseling/wedging out of rocks where blasting work prohibited up to all depth and lifts including as per direction of the Engineer-in-Charge.	24.93	Cum		
2	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate of 40 mm nominal) and curing complete excluding cost of form work including all leads and lifts:- a) Foundation and Plinth.	2.77	Cum		
3	Providing and laying cement concrete 1:1 ½:3 (1 cement:1 ½:sand : 3 graded stone aggregate of 20 mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work including all leads and lifts in:- Foundation and Plinth	2.88	Cum		
	b) Walls (any thickness) but not less than 0.10 mtrs hick including attached pilasters buttresses plinth and string course from top of foundation up to floor two levels.	13.07	Cum		
4	Placing & 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: a) Tor steel (Labour rate)	1116.5	Kg		
5	Providing form work with steel plates 3.15 mm thick welded with angle iron in frame 30x30x5 mm 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 4 mtrs and removal of the same for in situ reinforced concrete and plain concrete work including all leads and lifts: Vertical walls	59.10	Sqm		
6	Providing and fixing sand cast iron sluice valve 150 mm.	1.00	Each		
7	Dewatering/ wailing out or pumping out water during excavation in foundation.	24.93	Cum		
8	Laying, jointing trenches, GMS tubes (Light Grade) Tube fittings only (earth work in trenches to be measured and paid for separately) Scoure pipe 150 mm dia (LR)	30.00	Rmt		
				<b>Total</b>	

**TERMS AND CONDITIONS:-**

- 1 The Work shall be executed as per PWD/IPH Specification 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 issued to him by the department.
- 3 The Cement shall be issued by the department to the contractor @ 294/-per bag & tor steel @ 4950/ Per Qtl from Divisional store on proper indent.
- 4 Final payment shall be released after successful testing and entire satisfaction of the Engineer-in-Charge.
- 5 The material such as stone, stone aggregate, sand etc shall be got approved before supply to site of work by the contractor.
- 6 Income tax, sale tax,GST & Security will be deducted from each bill of the contractor.

Executive Engineer,  
IPH Divison Karsog.