

**SCHEDULE OF QUANTITY**

<b>Name of Work:-</b> Providing LWSS to PC Hab. Mahunag in GP Mahunag Tehsil Karsog Distt Mandi HP (SH:- C/O Pump House upto 50 HP in Stage 1st )		<b>ESTIMATED COST</b>		<b>499870.00</b>	
		<b>EARNEST</b>		<b>9997.00</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>
1	2	3		4	5
1	Excavation in foundations, trenches etc. in earth work, lift up to 1.50 mtrs. stacking the excavated soil not more than 3 mtrs. clear from the as of excavation and then returning the excavated soil in 15 cm. layers when required into plinths sides of foundations etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 20 mtrs.- P-J Work with in all lead and lift .	32.89	Cum		
2	Providing and laying cement concrete 1:6:12 (1 cement : 6 sand : 12 graded stone aggregate 40 mm nominal size) and curing complete excluding cost of centering & shuttering in foundation and plinth.with in all lead and lift .	10.80	Cum		
3	R/R stone masonry/ Polygonal rubble masonry (uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 sand : 12 graded stone aggregate 20 mm nominal size) at plinth level in cement mortar 1:6 (1Cement : 6 Sand).with in all lead and lift .	21.12	Cum		
4	Providing and laying cement concrete 1:2:4 work (1 cement : 2 sand : 4				
	Suspended floors roofs, landings and shelves and their supports, balconies, beams, girders, bressumers and cantilever up to floor two levels.with in all lead and lift .	13.16	Cum		
5	Providing form work with steel plates 3.15 mm thick welded with angle iron in frames 30x30x5 mm so as to give a fair finish i/c centring ,shuttering, strutting and propping etc. with wooden battens & ballies, ht. of propping & centring below supporting floor to ceiling not exceeding 4 mtrs. & removal of the same for insitu-reinforced concrete work in :				
	i) Flat surfaces such as soffits and suspended floors, roofs , landing and the like:with in all lead and lift .-	55.77	Sqm		
6	Brick Work using common burnt clay building bricks in foundation and plinth in cement mortar 1:4 (1 cement : 4 sand) First class bricks.with in all lead and lift .	28.17	Cum		

7	Half brick masonry in common burnt clay building bricks in : cement mortar 1:4 (1 cement : 4 sand) first class brick in super-structure.with in all lead and lift .	10.40	Sqm			
8	Providing wood work in frames of doors, windows, clearstory, windows and other frames wrought, framed and fixed in position: 2nd class deodar	0.55	Cum			
9	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows & clearstory windows i/c black enamelled iron butt hinges with necessary screws: 40 mm thick 2nd class deodar woodwith in all lead and lift .	14.48	Sqm			
10	Providing and fixing Wire gauge shutters using galvanized M.S Wire gauge of I.S Gauge designation 85 G with wire of dia 0.56 m.m for door windows and clearstory windows i/c black enamelled iron butt hinges with necessary screws: 40 m.m thick 2nd class deodar wood.with in all lead and lift .	14.48	Sqm			
11	P/F M.S Grills of required pattern in wooden frames of windows etc. with M.S. flats, Square or round bars with round headed bolts and nuts or by the screws ( Plain Grill )with in all lead and lift .	180.00	Kg			
12	20 mm cement plaster in single coat on the rough side of stone masonry for interior plastering up to floor to level i/c arises, internal rounded angles, chamfers and/or rounded angles not exceeding 80 mm in girth	19.12	Sqm			
13	15 mm cement plaster in single coat on the rough side of brick/concrete/stone walls for interior plastering up to floor to level i/c arises, internal rounded angles, chamfers and/or rounded angles not exceeding 80 mm in girth and finished even and smooth in c:m 1:6 (1 cement : 6 sand). with in all lead and lift .	83.70	Sqm			
14	6 mm Cement plaster to ceiling ( a) in cement mortar 1:3 ( 1 Cement : 3 Sand )with in all lead and lift .	55.77	Sqm			
15	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign sand papering and knotting. Ready mixed paint brushing with white wood primer pink.with in all lead and lift .	15.55	Sqm			
16	Painting two coats ( Excluding priming coat) on new wood and wood based surface with ready mixed paint, brushing to give an even shade including cleaning oil, grease, dirt, dust and other foreign matter sand papering and stopping:- Ready mixed paint other than white.with in all lead and lift .	15.55	Sqm			
17	White Washing with lime on undecorated wall surfaces two coat to give and even shade including thoroughly brooming the surface to remove all dirt dust and other foreign matter with in all lead and lift .	102.83	Sqm			

	(b) White Washing with lime on ceiling or slopping roof	55.77	Sqm			
18	Providing 40X3 Flat iron hold fast 40cm long i/c fixing to frame with 10m.m dia bolts nut and wooden pugs and embedded in cement conc. Block 30x10x15 (1 cement: 3 sand:6 graded stone aggregate 20mm nominal size)with in all lead and lift ..	30.00	Each			
19	P/F anodized aluminium sliding door bolts and nuts screws etc. completewith in all lead and lift .					
	250x16	2.00	Each			
20	P/F anodized aluminium tower bolt anodized transparent or dyed to required shade and colour with screws etc. complete with in all lead and lift .					
	250x10	2.00	Each			
	200x10	42.00	Each			
21	P/F anodized aluminium Handles anodized transparent or dyed to required shade and colour with screws etc. complete.with in all lead and lift .					
	125 m.m	12.00	Each			
	100 mm.	84.00	Each			
22	P/F Oxidized M.S. hooks and eyeswith in all lead and lift .	26.00	Each			
23	Boulder filling dry hand packed tightly under floors.with in all lead and lift .	5.32	Cum			
24	40 mm thick cement conc. Flooring 1:2:4 ( 1 cement : 2 sand : 4 graded stone agg. 20 m.m nominal size) laid in one layer finished with a floating coat of neat cement.with in all lead and lift .	35.48	Sqm			
25	Pointing on Brick work with cement mortar 1:3 (1cement : 3 sand) raised and cut.with in all lead and lift .	24.01	Sqm			
26	Providing Plinth Protection 50 mm thick in cement concrete1:3:6 (1 cement: 3 sand:6 graded stone aggregate 20mm nominal size) including finishing the top surface of concrete smooth.with in all lead and lift .	18.60	Sqm			
27	Providing mild steel/tor Steel reinforcement for R.C.C work including bending , binding and placing in position complete up to floor two level. with in all lead and lift .	1184.66	kg.			

28	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.	228.41	cum			
<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 G.I and HDPE pipe shall be issued by the department free of cost at I&PH Divisional store Karsog against proper indent.
- 6 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.

Executive Engineer,  
IPH Divison 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 Pump House upto 50 HP in Stage 2nd stage )</b>						<b>ESTIMATED COST</b>	<b>499032.00</b>
						<b>EARNEST</b>	<b>9981.00</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>	
1	Excavation in foundations, trenches etc. in earth work, lift up to 1.50 mtrs. stacking the excavated soil not more than 3 mtrs. clear from the as of excavation and then returning the excavated soil in 15 cm. layers when required into plinths sides of foundations etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within a lead of 20 mtrs.- P-J Work with in all lead and lift .	32.89	Cum				
2	Providing and laying cement concrete 1:6:12 (1 cement : 6 sand : 12 graded stone aggregate 40 mm nominal size) and curing complete excluding cost of centering & shuttering in foundation and plinth.with in all lead and lift .	10.80	Cum				
3	R/R stone masonry/ Polygonal rubble masonry (uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 sand : 12 graded stone aggregate 20 mm nominal size) at plinth level in cement mortar 1:6 (1Cement : 6 Sand).with in all lead and lift .	21.12	Cum				
4	Providing and laying cement concrete 1:2:4 work (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-						
	Suspended floors roofs, landings and shelves and their supports, balconies, beams, girders, bressumers and cantilever up to floor two levels.with in all lead and lift .	13.16	Cum				
5	Providing form work with steel plates 3.15 mm thick welded with angle iron in frames 30x30x5 mm so as to give a fair finish i/c centring ,shuttering, strutting and propping etc. with wooden battens & ballies, ht. of propping & centring below supporting floor to ceiling not exceeding 4 mtrs. & removal of the same for insitu-reinforced concrete work in :						
	i) Flat surfaces such as soffits and suspended floors, roofs , landing and the like:with in all lead and lift .-	55.77	Sqm				

6	Brick Work using common burnt clay building bricks in foundation and plinth in cement mortar 1:4 (1 cement : 4 sand) First class bricks.with in all lead and lift .	28.17	Cum			
7	Half brick masonry in common burnt clay building bricks in : cement mortar 1:4 (1 cement : 4 sand) first class brick in super-structure.with in all lead and lift .	10.40	Sqm			
8	Providing wood work in frames of doors, windows, clearstory, windows and other frames wrought, framed and fixed in position: 2nd class deodar woodwith in all lead and lift .	0.55	Cum			
9	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows & clearestory windows i/c black enamelled iron butt hinges with necessary screws: 40 mm thick 2nd class deodar woodwith in all lead and lift .	14.48	Sqm			
10	Providing and fixing Wire gauge shutters using galvanized M.S Wire gauge of I.S Gauge designation 85 G with wire of dia 0.56 m.m for door windows and clearstory windows i/c black enamelled iron butt hinges with necessary screws: 40 m.m thick 2nd class deodar wood.with in all lead and lift .	14.48	Sqm			
11	P/F M.S Grills of required pattern in wooden frames of windows etc. with M.S. flats, Square or round bars with round headed bolts and nuts or by the screws ( Plain Grill )with in all lead and lift .	180.00	Kg			
12	20 mm cement plaster in single coat on the rough side of stone masonry for interior plastering up to floor to level i/c arises, internal rounded angles, chamfers and/or rounded angles not exceeding 80 mm in girth and finished even and smooth in c:m 1:6 (1 cement : 6 sand).with in all lead and lift .	19.12	Sqm			
13	15 mm cement plaster in single coat on the rough side of brick/concrete/stone walls for interior plastering up to floor to level i/c arises, internal rounded angles, chamfers and/or rounded angles not exceeding 80 mm in girth and finished even and smooth in c:m 1:6 (1 cement : 6 sand). with in all lead and lift .	83.70	Sqm			
14	6 mm Cement plaster to ceiling ( a) in cement mortar 1:3 ( 1 Cement : 3 Sand )with in all lead and lift .	55.77	Sqm			
15	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign sand papering and knotting. Ready mixed paint brushing with white wood primer pink.with in all lead and lift .	15.55	Sqm			

16	Painting two coats ( Excluding priming coat) on new wood and wood based surface with ready mixed paint, brushing to give an even shade including cleaning oil, grease, dirt, dust and other foreign matter sand papering and stopping:- Ready mixed paint other than white.with in all lead and lift .	15.55	Sqm			
17	White Washing with lime on undecorated wall surfaces two coat to give and even shade including thoroughly brooming the surface to remove all dirt dust and other foreign matter with in all lead and lift .	102.83	Sqm			
	(b) White Washing with lime on ceiling or slopping roof	55.77	Sqm			
18	Providing 40X3 Flat iron hold fast 40cm long i/c fixing to frame with 10m.m dia bolts nut and wooden pugs and embedded in cement conc. Block 30x10x15 (1 cement: 3 sand:6 graded stone aggregate 20mm nominal size)with in all lead and lift ..	30.00	Each			
19	P/F anodized aluminium sliding door bolts and nuts screws etc. completewith in all lead and lift .					
	250x16	2.00	Each			
20	P/F anodized aluminium tower bolt anodized transparent or dyed to required shade and colour with screws etc. complete with in all lead and lift .					
	250x10	2.00	Each			
	200x10	42.00	Each			
21	P/F anodized aluminium Handles anodized transparent or dyed to required shade and colour with screws etc. complete.with in all lead and lift .					
	125 m.m	12.00	Each			
	100 mm.	84.00	Each			
22	P/F Oxidized M.S. hooks and eyeswith in all lead and lift .	26.00	Each			
23	Boulder filling dry hand packed tightly under floors.with in all lead and lift .	5.32	Cum			
24	40 mm thick cement conc. Flooring 1:2:4 ( 1 cement : 2 sand : 4 graded stone agg. 20 m.m nominal size) laid in one layer finished with a floating coat of neat cement.with in all lead and lift .	35.48	Sqm			

25	Pointing on Brick work with cement mortar 1:3 (1cement : 3 sand) raised and cut.with in all lead and lift .	24.01	Sqm			
26	Providing Plinth Protection 50 mm thick in cement concrete1:3:6 (1 cement: 3 sand:6 graded stone aggregate 20mm nominal size) including finishing the top surface of concrete smooth.with in all lead and lift .	18.60	Sqm			
27	Providing mild steel/tor Steel reinforcement for R.C.C work including bending , binding and placing in position complete up to floor two level. with in all lead and lift .	1184.66	kg.			
28	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.	227.21	cum			
<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 G.I and HDPE pipe shall be issued by the department free of cost at I&PH Divisional store Karsog against proper indent.
- 6 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.

Executive Engineer,  
IPH Divison 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 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>		
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 than 0.10 Mtrs. 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 (1 cement: 2 sand: 4 graded 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	Manufacturing, supplying, fabrication and fixing of MS fabricated Protection Panel 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.	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 uniformly 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			
----	--	---------	-----	--	--	--

**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 .

<b>Total</b>	
--------------	--

Executive Engineer,  
IPH Divison 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 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>		
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 that 0.10 Mtrs. hick 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 bressumers 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 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.

**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>		
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 that 0.10 Mtrs. hick 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	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 Chargewith 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 e shall be issued by the department @ 5900 /- Per Tonne and Steel @ 4950 /- Per Qtl at I&PH Divisional store Sarnali Karsog .

Executive Engineer,  
IPH Divison 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 30000 Ltrs Cap.at 2nd Stage )</b>						<b>ESTIMATED</b>	<b>139149.00</b>
						<b>EARNEST</b>	<b>2783.00</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>		
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 ..	21.97	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.	3.52	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	11.53	Sqm				
	b)Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course and the like	76.38	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.	2.78	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.	5.44	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.:	667.8	Kg			
8	Manfacturing, 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 hol,es 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 Chargewith 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>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 store Sarnali Karsog .

Executive Engineer,  
IPH Divison 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 Storage Tank 51000 Ltrs Cap. at point H )</b>						<b>ESTIMATED</b>	<b>190395.00</b>
						<b>EARNEST</b>	<b>3808.00</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>		
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 .	85.4	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 ..	33.4	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.	5.29	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	18.87	Sqm				
	b)Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course and the like	100.09	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.	4.13	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.	7.14	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	2.1	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.:	935.9	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 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 hol,es 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 Chargewith 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>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 store Sarnali Karsog .

Executive Engineer,  
IPH Divison Karsog.

**SCHEDULE OF QUANTITY**

<b>Name of Work :- Consultancy Services for Prepration of DPR for Multivillages Rural Piped Water Supply Schemes for Chowasi Area of Karsog Block under IPH Division Karsog, Distt. Mandi (HP) (NDB FUNDING) (SH:- Survey &amp; Investigation)</b>					<b>ESTIMATED</b>	<b>473832.00</b>
					<b>EARNEST</b>	<b>9477.00</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>	
1	Carring out survey work for prepration of Detailed Project Report for Multivillages Rural Piped Water Supply Schemes for Chowasi Area of Karsog Block, Distt. Mandi HP(NDB Funding) including Total station Survey & Investigation, site plan, Marking of Proposal, Prepration of L-Section and x-section as required for site condition complete. The Drawing shall be prepared with AutoCAD and nicely binded 4 copies of set of drawing shall be in hard and 1 copy in soft format complete in all respect as per direction of Engineer-in-charge.					
(i)	Reconnaisance Survey & Geodetic Survey on different scales and prepration of Topographical maps in requisite scale to supply them both 1 soft & hard format including cost of manpower, labour, survey equipments, Camp equipments, Transportation etc. in all kinds of Terrain complete in all respect as per the direction of Engineer-in-Charge.	12.00	Per Sqm.Km			
					<b>Total</b>	

**TERMS AND CONDITIONS:-**

- 1 Work will be carried out as per HP.PWD/IPH Specifications
- 2 Sale tax, income tax and labour cess will be deducted from the bill as per norms.
- 3 All kind of field data collected by the consultant, During the data collection leagal or processing fees (if any) shall be paid by the department.
- 4 The consultant should be registered with HPIPH in appropriate class & having experience in survey & investigation works and prepration of DPR.
- 5 The above quantity can be increase and descrease.
- 6 Shortage length of Rising Main and Distribution system shall be allowed.
- 7 All kind of NOCs for source discharge, Lead Chart shall be provided by the department.
- 8 80 % of payment will be released on submission of DPR and remaining 20% will be released after approval of DPR from the competent authority.

Executive Engineer,  
IPH Divison Karsog.

**SCHEDULE OF QUANTITY**

<b>Name of Work :- Consultancy Services for Prepration of DPR for Multivillages Rural Piped Water Supply Schemes for Chowasi Area of Karsog Block under IPH Division Karsog, Distt. Mandi HP (NDB FUNDING) (SH:- Prepration of Detailed Estimate involving estimation detailed structrual design, Detailed drawings of all civil structure and Hydraulic design of all components and getting the same approved from competent authority of the department.</b>					<b>ESTIMATED</b>	<b>468672.00</b>
					<b>EARNEST</b>	<b>9373.00</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>	
1	Prepration of Detailed Project Report for Multivillages Rural Piped Water Supply Scheme for Chowasi Area of Karsog under IPH Division Karsog Distt. Mandi HP under NDB Funding involving design & drawing of the complete system including civil structures, Pumping machinery etc as per the guidelines, technical planning consideration, design of norms and benchmarksindicators of Rural Piped Water Supply Schemes in Himachal Pradesh i/c supplying four sets of nicely binded DPR (Hard copy & one No. of Soft copy) complete as per direction of Engineer-in-charge.	12	Per Sqm.Km			
					<b>Total</b>	

**TERMS AND CONDITIONS:-**

- 1 Work will be carried out as per HP.PWD/IPH Specifications
- 2 Sale tax, income tax and labour cess will be deducted from the bill as per norms.
- 3 All kind of field data collected by the consultant, During the data collection leagal or processing fees (if any) shall be paid by the department.
- 4 The consultant should be registered with HPIPH in appropriate class & having experience in survey & investigation works and prepration of DPR.
- 5 The above quantity can be increase and decrease.
- 6 Shortage length of Rising Main and Distribution system shall be allowed.
- 7 All kind of NOCs for source discharge, Lead Chart shall be provided by the department.
- 8 80 % of payment will be released on submission of DPR and remaining 20% will be released after approval of DPR from the competent authority.

Executive Engineer,  
IPH Divison Karsog.