

**SCHEDULE OF QUANTITY**

<b>Name of work:-Providing LWSS to PC habitation of CV Bajhal, Jhamach,Shiva, Chhodhar and Dhawas in GP Thana and Baggachanogi Tehsil Thunag Distt. Mandi (HP).</b>				<b>Estimated cost Rs:-</b>	<b>475264.00</b>
<b>(SH:-C/O Filter bed of 51 sqm in three units )</b>				<b>Earnest Money Rs:-</b>	<b>9510.00</b>
				<b>Time:-</b>	<b>3 Months.</b>
<b>S. N.</b>	<b>Sub Head &amp; Item of Work</b>	<b>Quantity</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	Excavation in foundation and trenches etc. in earth work in all kinds of soil such as pick work, jumper work, blasting soft or hard rock or by chiselling soft or hard rock where blasting is prohibited in all leads and lifts including trimming / dressing of sidesand 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 the direction and to the entire satisfaction of the Engineer-in-charge.	172.43	cum	Per cum	
2	Providing and laying cement concrete 1:3:6 ( 1cement:3sand: 6graded stone aggregate 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinth in all leads and lifts.	22.19	cum	per cum	
3	<b>Providing and laying cement concrete 1:1 1/2 :3 ( 1cement: 1 1/2 sand: 3graded stone aggregate 20 mm nominal size )and curing complete excluding the cost of form work and reinforcement in:-</b>				
3.1	Foundation, footings base of columns and the like mass concrete.	27.74	Cum	Per cum	
3.2	Walls any thickness but not less than 0.1 mtr. thickness attached pillasters, buttresses plinth and string courses etc. from top of foundation level upto floor two level	27.62	cum	per cum	
4	<b>Providing and laying cement concrete 1:2:4 (1cement:2sand : 4graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and re-inforcement for reinforced concrete work in:-</b>				
4.1	suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level.	0.98	Cum	Per cum	
5	<b>Providing form work with steel plates 3.15mm thick welded with angle iron 30x30x5mm so as to give a fair 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 in all leads and lifts.</b>				
5.1	Vertical surface such as walls(any thickness) partitions and the like including attached pillasters buttresses, plinth and string courses and the like	312.14	sqm	per sqm	
5.2	Flat surface such as soffits of suspended floors, roofs, landing and the like floor etc. upto 200mm in thickness as per direction and to the entire satisfaction of the Engineer-in-charge.	6.90	sqm	Per sqm	
6	Laying of tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level including the cost of binding wire complete in all leads and lifts. <b>(Labour Rate)</b>	3943.71	kg	per kg	

S. N.	Sub Head & Item of Work	Quantity	Rate	Unit	Amount
7	Providing and fixing steel fibre reinforcement concrete (SFRC) manhole cover 500mm dia medium duty with frame conforming to IS: 12539 part 1998 with latest ammendments with in all leads and lifts and to the entire satisfaction of engineer incharge.	3.00	Nos.	Each	
8	<b>Fixing GI pipe for inlet, outlet and over flow in all leads and lifts complete in all respect</b>				
8.1	80mm dia.	30.00	Rmt	Per rmt	
8.2	65 mm dia	24.00	Rmt	Per Rmt	
9	Cement concrete flooring 1:2:4 (1cement:2sand: 4 graded crushed stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement in all leads and lifts. (a) 40mm thick	56.47	sqm	per sqm	
10	Providing and fixing cast iron spun spigot and socket soil ventilating pipe lead cauled joints to be measured and paid for separately 100mm dia	2.00	Rmt	Per Rmt	
11	Providing and fixing CI Cowl 100mmdia complete in all respect	2.00	Nos.	Each	
12	<b>Providing and fixing Gun Metal wheel valve with wheel of following dia meter complete in all respect in all leads and lifts.</b>				
12.1	80mm dia.	6.00	Nos.	Each	
12.2	65mm dia.	3.00	Nos.	Each	
				<b>Total:-</b>	

**Terms and conditions:-**

- 1 The work shall be executed as per HPPWD/IPH specifications and to the entire satisfaction of the Engineer-in-charge.
- 2 The cement, steel and GI pipe shall be issued by the department from IPH store Thunag i.e. Cement @ Rs. 289/-per bag, steel and G.I. pipe free of cost.
- 3 The contractor shall be fully responsible for watch and ward of the material at site of work.
- 4 Nothing shall be paid for rejected material.
- 5 GST and labour welfare cess shall be deducted from the bill of the contractor as applicable.
- 6 GI fitting shall be provided by the contractor at their own cost.
- 7 Crushed stone aggregate shall be used in all concrete work.
- 8 The contractor shall be responsible for any accident caused during the construction of the work and the loss if any will be born by the contractor.
- 9 The rates should be inclusive of GST and carriage of all material to the site of work in all leads and lifts.

Executive Engineer  
IPH Division Thunag

S. N.	Sub Head & Item of Work	Quantity	Rate	Unit	Amount
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**Schedule of qty**

<b>Name of work:-</b> Providing LWSS to PC habitation of CV Bajhal, Jhamach, Shiva, Chhodhar and Dhawas in GP Thana and Baggachanogi Tehsil Thunag Distt. Mandi (HP).	<b>Estimated cost Rs:-</b>	<b>365248.00</b>
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(SH:-C/O Intake tank = 1 Nos, C/O RCC Sedimentation tank 20500 ltrs capacity, C/O RCC sump well of 81700 ltrs. and L/J/testing of G.I. pipe in feeder line)	<b>Earnest Money Rs:-</b>	<b>7310.00</b>
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**Time:-** 3Months.

Sr. No.	Sub Head & Item of Work	Quantity	Rate	Unit	Amount
1	Excavation in foundation and trenches etc. in earth work in all kinds of soil such as pick work, jumper work, blasting soft or hard rock or by chiselling soft or hard rock where blasting is prohibited in all leads and lifts including trimming / dressing of sidesand 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 the direction and to the entire satisfaction of the Engineer-in-charge.	105.81		cum	Per cum
2	Providing and laying cement concrete 1:3:6 ( 1cement:3sand: 6graded stone aggregate 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinth in all leads and lifts.	12.12		cum	per cum
3	Providing and laying cement concrete 1:11/2 :3 ( 1cement: 1 1/2 sand: 3graded stone aggregate 20 mm nominal size )and curing complete excluding the cost of form work and reinforcement in:-				
3.1	Foundation, footings base of columns and the like mass concrete.	19.31		Cum	Per cum
3.2	Walls any thickness but not less than 0.1 mtr. thickness attached pillasters, buttresses plinth and string courses etc. from top of foundation level upto floor two level	15.63		cum	per cum
3.3	suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level.	0.11		cum	per cum
4	Providing and laying cement concrete 1:2:4 (1cement:2sand : 4graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and re-inforcement for reinforced concrete work in:-				
4.1	suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level.	3.27		Cum	Per cum
5	Providing form work with steel plates 3.15mm thick welded with angle iron 30x30x5mm so as to give a fair 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 in all leads and lifts.				
5.1	Vertical surface such as walls(any thickness) partitions and the like including attached pillasters buttresses, plinth and string courses and the like	197.18		sqm	per sqm
5.2	Flat surface such as soffits of suspended floors, roofs, landing and the like floor etc. upto 200mm in thickness as per direction and to the entire satisfaction of the Engineer-in-charge.	34.27		sqm	Per sqm
6	Providing and laying tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level including the cost of binding wire complete in all leads and lifts.	2303.90		kg	per kg

S. N.	Sub Head & Item of Work	Quantity	Rate	Unit	Amount
7	Providing and fixing steel fibre reinforcement concrete (SFRC) manhole cover 500mm dia medium duty with frame conforming to IS: 12539 part 1998 with latest ammendments with in all leads and lifts and to the entire satisfaction of engineer incharge.	2.00	Nos.	Each	
8	Laying, jointing and testing of GMS tube in trenches (light grade) of following dia meter including providing and fixing tube fitting such as bends, tees, air valves, unions and collars etc. including carraige of GI pipes as per direction and to the entire satisfaction of the Engineer-in-charge (earth work in trenches to be measured and paid for separately) in all leads and lifts.				
8.1	65mm dia	200.00	Rmt	Per Rmt	
9	Fixing GI pipe for inlet, outlet and over flow in all leads and lifts complete in all respect				
9.1	65 mm dia	18.00	Rmt	Per Rmt	
9.2	50 mm dia	16.00	Rmt	Per Rmt	
10	Providing and placing in horizontal layers filtering media duly graded screened washed and cleaned as specified by the Engineer-in-charge including all leads and lifts.				
10.1	Bajari screened, washed and graded from 6mm to 20mm	0.22	cum	per cum	
10.2	Bajari screened, washed and graded from 20mm to 25mm	0.22	cum	per cum	
10.3	Broken stone screened washed and graded from 50mm to 75mm	0.22	cum	per cum	
11	Providing and laying no fine concrete 1:6(1cement:6 graded stone aggregate 20mm nominal size) in foundation and plinth in all leads and lifts.	0.12	cum	Per cum	
12	Providing and fixing Gun Metal wheel valve with wheel of following dia meter complete in all respect in all leads and lifts.				
12.1	65mm dia.	1.00	No.	Each	
12.2	50mm dia.	2.00	Nos.	Each	
				<b>Total:-</b>	

**Terms and conditions:-**

- 1 The work shall be executed as per HPPWD/IPH specifications and to the entire satisfaction of the Engineer-in-charge.
- 2 The cement, steel and GI pipe shall be issued by the department from IPH store Thunag i.e. Cement @ Rs. 289/-per bag, steel @ Rs.5700/-per qtl. and G.I. pipe free of
- 3 The contractor shall be fully responsible for watch and ward of the material at site of work.
- 4 Nothing shall be paid for rejected material.
- 5 GST and labour welfare cess shall be deducted from the bill of the contractor as applicable.
- 6 GI fitting shall be provided by the contractor at their own cost.
- 7 Crushed stone aggregate shall be used in all concrete work.
- 8 The contractor shall be responsible for any accident caused during the construction of the work and the loss if any will be born by the contractor.
- 9 The rates should be inclusive of GST and carraige of all material to the site of work in all leads and lifts.

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S. N.	Sub Head & Item of Work	Quantity	Rate	Unit	Amount
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**Draft Schedule of Quantity**

**Name of work :-** Stock Storage

( SH:- Providing brick work and wood work at 1st floor Inspeccion Hut Tand.)

Estimated cost Rs. 407092.00

Earnest money Rs 8160.00

Time:- **Two months**

Sr. No.	Description	Qty.	Rate	Unit	Amount
1	Brick work using common burnt clay building bricks in foundation and plinth in cement mortar 1:6 ( 1 cement :4 sand) 1st class bricks in all leads and lifts.	39.86		cum	Per cum
2	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- reinforcement concrete and plain concrete work, in all leads & lifts in:-				
	Beams, cantilevers girders and lintels, side of soffits of beams, beam haunchings cantilevers, bressummers and lintels not exceeding 1.00 mtr. In depth in all height in floor.	33.88		Sqm	Per sqm
3	Providing and laying cement concrete 1:2:4 (1cement:2sand : 4graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and re-inforcement for reinforced concrete work in				
	Suspended floors roofs, landings and shelves and their supports, balionies, beams, girders bressumers and cantilevers upto floor two level in all leads and lifts.	4.00		Cum	Per cum
4	Providing Mild Steel/Tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete including the cost of binding wire in all leads and lifts.	360.24		Kg	Per kg.
5	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought framed and fixed in position, 1st class deodar wood.	1.37		Cum	Per cum
6	Providing 40x3mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts & nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 ( 1cement: 3 sand :6 graded stone aggregate 20mm nominal size complete in all respect in all leads and lifts.	74.00		Nos.	Each
7	Half brick masonry in common burnt clay building bricks in :- Cement motar 1:4 (1 cement :4 sand) Second class bricks.	23.17		Sqm	Per sqm
<b>Total:-</b>					

**TERM AND CONDITIONS:-**

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- 3 The contractor shall be fully responsible for watch and ward of the material at site of work.
- 4 Nothing shall be paid for rejected material.
- 5 Labour welfare cess and GST shall be deducted from the bill of the contractor as applicable.
- 6 Crushed stone aggregate shall be used.
- 7 The contractor shall be responsible for any accident caused during the construction of the work and the loss if any will be born by the contractor.
- 8 The rates should be inclusive with GST.

Executive Engineer,  
IPH Division, Thunag.