

SCHEDULE OF QUANTITY

**Name of work:- .Providing LWSS to NC/PC habitation of census village Shalwar and Chalout in GP
Somnachan sub Tehsil Balichowki Distt Mandi,**

Estimated cost Rs:- 290857.00

(SH:- Providing, Manufacturing, supplying and fixing of fencing Panel size 1.20x1.80 metre around civil works)

Earnest Money Rs:- 5900.00

Time:-

S. N.	Description of items	Quantity	Rates	Unit	Amount
1	2	3	4	5	6
1	Providing, Manufacturing and Supplying and fixing of fencing panel of size 1.20mx1.80m of Jali (Expanded metal) 25X25mm welded to M.S.black tube of 32mm dia of 14 guage mm thick with M.S Flats cover 20X5mm including cutting , welding painting with red oxide paint to exterior, glistening look the reading smooth in cement concrete 1:4:8 (1 cement: 4 sand: 8 graded stone aggregated 40 mm nominal size) complete in all respect and to the entire satisfaction of the Engineer In charge	86	Nos.	Each	
2	Steel work welded in built up sections, trusses and framed work including cutting, hoisting fixing in position and applying a priming coat of red lead paint complete in all respect in all leads and lifts in gratings fraqmed guard bars, ladders, railing, brackets and similar works.	0.64	Qtl	Per quintal	
Total:-					

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 shall be issued by the department from IPH store Thunag i.e. Cement @ Rs. 289/-per bag,
- 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 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 and carrage of all material to the site of work in all leads and lifts.

Executive Engineer
IPH Division Thunag

SCHEDULE OF QUANTITY

Name of work:- .Providing LWSS to NC/PC habitation of census village Shalwar and Chalout in GP Somnachan sub Tehsil Balichowki Distt Mandi, SH:- C/O crate works to diversion of nallah from RD 0 to RD 20= 20 Mtrs.)

Estimated cost Rs:- 118359.00

Earnest Money Rs:- 2400.00

Time:- Three

SN.	Description of items	Quantity		Rates	Unit	Amount
1	2	3		4	5	6
1	Cutting in earth work and disposal of excavated earth in all kinds of soil in pick work, jumper work and blasting work complete in all respect as per the direction and to the entire satisfaction of the Engineer-in-charge in all leads and lifts.	9.30	cum		Per cum	
2	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.	4.65	cum		Per cum	
3	Wire crate made of GI wire filled with boulder with square cut faces against the wire (Boulder filling to be measured and paid for separately) double twisted GI wire 5mm thick 15cmx15cm mesh)corresponding to SWG-6 as per direction and to the entire satisfaction of the Engineer-in-charge	150.00	sqm		Per sqm	
4	Wire crate made of GI wire filled with boulders with square cut faces against the wire (wire crate to be measured and paid for separately) the weight of each boulder should not less than 18 kg and as per entire satisfaction of the Engineer-in-charge)in all leads and lifts.	31.25	cum		Per cum	
Total						

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 and steel shall be issued by the department from IPH store Thunag i.e. Cement @ Rs. 289/-per ba and steel Rs. 5700 per quintal.
- 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 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 and carriage of all material to the site of work in all leads and lifts.

Executive Engineer
IPH Division Thunag

SCHEDULE OF QUANTITY

Name of work:- Stock Storage, Repair and Maintenance of Inspection Hut at Balichowki Tehsil Balichowki Distt. Mandi (H.P.)

SH: - C/O Septic Tank, C/O collection chamber & Providing, laying, jointing and testing of PVC fitting)

Estimated cost Rs. 201395

Earnest money Rs. 4028

Time: Three Months

SN	Sub-Head and item of work	Qty	Rate	Unit	Amount.
1	Excavation in foundation trenches etc. in earth work upto all depth in all kinds of soil such as pick work jumper work blasting work chiselling of soft /hard rocks where blasting is prohibited in all leads and lifts and including trimming of sides levelling of bed to correct grade excavated soil in 15cm layers when required into plinth side of foundation including consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed in all leads and lifts.	60.37	Cum	Per Cum	
2	Providing and laying cement concrete 1:6:12 (1cement:6sand: 12graded stone aggregate 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinth in all leads and lifts.	7.36	Cum	Per Cum	
3	Random rubble masonry/polygonal rubble masonry (uncoursed brought in 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 20mm nominal size) at plinth level in cement mortar 1:6 (1cement:6 sand)in all leads and lifts.	24.29	Cum	Per Cum	
4	Half brick masonry in common butnt clay building bricks in cement mortar I :4 (I cement 4 sand) 2nd class bricks	9.00	Sqm	Per Sqm	
5	Providing form work with steel plates 3.15 mm 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 insitu- reinforcement concrete and plain concrete work in:-				
(a)	Flat surfaces such as soffits of suspended floors, roofs, landings and the like Floors etc. up to 200mm in thickness.	12.10	Sqm	Per Sqm	
(b)	Vertical surface such as walls(any thickness) partitions and the like including attached pillasters buttresses, plinth and string courses and the like (Plain wall)	3.24	Sqm	Per Sqm	
6	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:-				
(a)	(a)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	0.54	Cum	Per Cum	
7	Providing and laying cement concrete 1:2:4 (1 cement:2 sand: 4graded stone aggregate 40mm nominal size) and curing complete excluding the cost of form work and reinforcement in:-				
(a)	Suspended floors roofs landing and sheveled and their supports balconioes, beams girderss, bressumers and cantilivers upto floor two level.	1.93	Cum	Per Cum	

8	Providing Tor Steel reinforcement for RCC work including bending , binding and placing in position complete upto floor two level.	173.25	Kg		Per Kg	
9	Providing and fixing of SFRC man hole cover and frame, 400mm x 400mm Heavy Duty.	2.00	No.		Each	
10	Demolition above GL upto floor two level i/c disposal of unservicable materials with in 20 metres lead and i/c cutting the necessary reinforcement and separating out from RCC works in all leads and lifts.	4.25	Cum		Per Cum	
11	Providing and fixing high pressure PVC spigot and socket, waste and ventilation pipe ISI marked including fixing with approved adhesive etc. complete in all respect.					
(a)	110 mm dia	19.00	Rmt		Per Rmt	
(b)	90 mm dia	35.00	Rmt		Per Rmt	
12	Providing and fixing PVC Elow ISI marked including fixing with approved adhesive etc. complete in all respect.					
(a)	110 mm dia	4.00	Nos.		Each	
(b)	90 mm dia	9.00	Nos.		Each	
13	Providing and fixing PVC Plain equal tee ISI marked including fixing with approved adhesive etc. complete in all respect.					
(a)	110 mm dia	3.00	Nos.		Each	
(b)	90 mm dia	4.00	Nos.		Each	
					Total	

TERM 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 pipes shall be issued by the department from IPH Store Thunag i.e. Cement @ Rs. 289/-per bag, steel @ Rs. 5700/- per qtl. ,and GI 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 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 and carriage of material.

Executive Engineer
I&PH Division Thunag

SCHEDULE OF QUANTITY

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).				Estimated cost Rs:-	166512.00	
SH:-Providing and placing of filter media in Filter bed of 51 sqm in three units)				Earnest Money Rs:-	3330.00	
				Time:-	3 Months.	
S. N.	Sub Head & Item of Work	Quantity		Rate	Unit	Amount
1	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.					
1.1	Top layer:- Fine sand screened, cleaned, washed and graded effective size 0.20 to 0.40 with uniformity co-efficient 2 to 3).	38.30	cum		Per cum	
1.2	2nd layer:- Coursed sand screened, washed and graded from 3mm to 6mm	5.11	cum		Per cum	
1.3	3rd layer:- Bajari screened, washed and graded from 6mm to 20mm	5.11	cum		Per cum	
1.4	4th layer:- Bajari screened, washed and graded from 20mm to 25mm	5.11	cum		Per cum	
1.5	Bottom layer:- Broken stone screened washed and graded from 50mm to 75mm	7.66	cum		Per cum	
2	Providing and placing 1st class standard bricks in filter bed in to leayer so as to make cross drains as per direction of the Engineer in Charge.	4328.00	Nos.		Each	

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 contractor shall be fully responsible for watch and ward of the material at site of work.
- 3 Nothing shall be paid for rejected material.
- 4 GST and labour welfare cess shall be deducted from the bill of the contractor as applicable.
- 5 GI fitting shall be provided by the contractor at their own cost.
- 6 Crushed stone aggregate shall be used in all concrete work.
- 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 and carriage of all material to the site of work in all leads and lifts.

Executive Engineer
IPH Division Thunag

SCHEDULE OF QUANTITY

Name of work:- Providing LWSS Chhari Khad to Tandi in Tehsil Thunag Distt. Mandi (HP) Estimated Cost Rs. 313322
SH: Providing, supplying and fixing of Painting, Electrical and other Misc. items for Earnest money Rs. 6266
Inspection Hut at Tandi)

Time:- Three Month

S.N.	Description	Qty.	Rate	Unit	Amount
1	Applying Birla white/JK wall care putty over plastered surface after thoroughly brushing the surface free from mortar drops, dust, loose scales and other foreign matter and sand papered smooth to give final matter finish to the surface complete in ceiling and wall within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	468.89 Sqm		Per Sqm	
2	Finishing wall with weather proof exterior grade emulsion of Asian/Nerolac make 1st quality design (APEX -ULTIMA)required shade on undecorated wall surfaces (two coats) to give an even shade and final finish including applying one coat of cement primer ,after thoroughly cleaning the surface to remove all dirt, dust ,mortar droppings and other foreign matter etc including sand papering the surface smooth complete in ceiling and wall within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	468.89 Sqm		Per Sqm	
3	Applying priming coat over new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil, grease,dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete with ready mixed priming paint brushing wood primer pink.	97.58 Sqm		Per Sqm	
4	Applying two coats of wood preservative on new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter,sand papering and knotting within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	97.58 Sqm		Per Sqm	
5	Kota stone slab flooring on 20 mm (average) thick base of lime mortor 1:1:1 (1 lime putty 1 surkhi 1 sand)laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	19.24 Sqm		Per Sqm	
6	Providing and laying granite stone in flooring 20mm(average)thickness base of cement mortar 1:3(1cement: 3 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	6.87 Sqm		Per Sqm	
7	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1cement : 3 sand :6 graded stone aggregate 20mm nominal size complete.	25.76 Sqm		Per Sqm	
8	Boulder filling dry hand packed tightly in wire crates vertical bunds with sloping face (wire crates to be measured separately) within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	1.64 Cum		Per Cum	

S.N.	Description	Qty.	Rate	Unit	Amount
9	20mm thick cement plaster 1:4 (1cement:4 sand) finished with a floating coat of neat cement within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	10.94 Sqm		Per Sqm	
10	Providing and installation of stationary storage type lectric water heater(Geyser)of various sizes by means of Expansion-boltswith nutsand washers, includingembeddingofexpansion-boltsinthewall, providing and fixing of Non-returnvalve, Deadweight safetyvalve, 2NoC.P. connection rods18"long,making good the damages, electrical connections,safety valve connections,testingand commissioning etc. as required:- 25 Liter capacity water heater (Cat-B) Hindware	2 Nos		Each	
11	P/F 10 kg/sq.cm working pressure PVC soil waste pipes of 100 mm dia vent pipe	60 Rmt		Per Rmt	
12	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete within all leads and lifts : 125 mm	1 No		Each	
13	Providing and fixing aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete within all leads and lifts : 150x10mm	1 No		Each	
14	Half Brick thick honey comb brick work with common burnt clay building bricks in cement mortar 1:4 (1 Cement : 4 Sand) Second Class Bricks within all leads and lifts and the entire satisfaction of the Engineer-In-Charge.	4.38 Sqm		Per Sqm	
15	Providing and fixing PVC Pipe 20 MM dia and 1.4mm Thick with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	25 Rmt		Per Rmt	
16	Providing and fixing Band 25mm with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	112 Nos		Each	
17	Providing and fixing J Box 25mm with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	106 Nos		Each	
18	Providing and fixing Round Sheet with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	84 Nos		Each	
19	Providing and fixing D. Door M.C. Box with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	40 Nos		Each	
20	Providing and fixing MCB 16 Amp. with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	28 Nos		Each	
21	Providing and fixing 63 Amp. D.P. with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	2 Nos		Each	
22	Providing and fixing 2 MCB. with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	3 Nos		Each	
23	Providing and fixing 3 MCB with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	6 Nos		Each	

S.N.	Description	Qty.	Rate	Unit	Amount
24	Providing and fixing 4 MCB with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	7 Nos		Each	
25	Providing and fixing 6 MCB with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	6 Nos		Each	
26	Providing and fixing 8 MCB with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	7 Nos		Each	
27	Providing and fixing 12 MCB with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	2 Nos		Each	
28	Providing and fixing 2 MCB Sheet with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	3 Nos		Each	
29	Providing and fixing 3 MCB Sheet with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	6 Nos		Each	
30	Providing and fixing 4 MCB Sheet with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	7 Nos		Each	
31	Providing and fixing 6 MCB Sheet with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	6 Nos		Each	
32	Providing and fixing 8 MCB Sheet with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	7 Nos		Each	
33	Providing and fixing 12 MCB Sheet with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	2 Nos		Each	
34	Providing and fixing 2.5 mm Wire Heavells with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	720 Rmt		Per Rmt	
35	Providing and fixing 1.5 mm Wire Heavells with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	720 Rmt		Per Rmt	
36	Providing and fixing 0.75mm Wire Heavells with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	180 Rmt		Per Rmt	
37	Providing and fixing One Way Switch with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	40 Nos		Each	
38	Providing and fixing Two Way Switch with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	22 Nos		Each	
39	Providing and fixing 10 Amp. Socket with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	20 Nos		Each	
40	Providing and fixing 15 To 20 Amp. Switch with all leads and lift and to the entire setisfaction of Engineer-In-Charge.	12 Nos		Each	

S.N.	Description	Qty.	Rate	Unit	Amount
41	Providing and fixing Bell + Bell Point with all leads and lift and to the entire satisfaction of Engineer-In-Charge.	12 Set		Per Set	
42	Providing and fixing T.P.N. 100 Amp. E.L.C.B. I Pol with all leads and lift and to the entire satisfaction of Engineer-In-Charge.	1 Set		Per Set	
43	Providing and fixing L.E.D. Bulb 15Watt with all leads and lift and to the entire satisfaction of Engineer-In-Charge.	5 Nos		Each	
44	Providing and fixing L.E.D. Bulb 9Watt with all leads and lift and to the entire satisfaction of Engineer-In-Charge.	4 Nos		Each	
45	Providing and fixing L.E.D. Bulb 20Watt with all leads and lift and to the entire satisfaction of Engineer-In-Charge.	9 Nos		Each	
46	Providing and fixing Short L.E.D. Tube For Bathroom Mirror with all leads and lift and to the entire satisfaction of Engineer-In-Charge.	4 Nos		Each	
47	Providing & Fixing 1.00 HP submersible pump set (mather field) of standard make such as Kirlosker/ KSB /BS conforming to ISI code - 8034 - 1976 with upto date ammendments. The pumpset should be capable of handling 15 meter head with (+) 10% (-) 15% head range and it should be operationable with 240 volts single phase A.C. supply. Discharge should be 0.50 litre/ sec. in all leads and lifts.	1 Set		Per Set	
48	Providing and Fixing of control panel consisting of Ampere meter, voltmeter DOL Starter, MCB starting and running capacitor complete with internal wiring for operating above set from original manufacture of BIS make complete in all respects in all leads and lifts.	1 Set		Per Set	
49	Providing and Fixing Three Core Copper Submersible Cable size 1x3x2.50 sqmm as per requirement of bore well in all leads and lifts.	40 Rmt		Per Rmt	
50	Providing and fixing Paper Holder With Flap Ormond CA310 with all leads and lift and to the entire satisfaction of Engineer-In-Charge.	2 Nos.		Each	

Terms and conditions

- 1 The work shall be executed as per HPPWD/IPH/ISI specifications and to the entire satisfaction of the Engineer-in-charge.
- 2 Nothing shall be paid for sub standard work/material at site of work.
- 3 The contractor shall be fully responsible for watch and ward of the material at site of work.
- 4 The rate should be inclusive with GST & carriage of all material to the site of work in all leads and lifts.
- 5 The work shall be completed with stipulated period.
- 6 Labour cess & GST will be deduct from each bill of the contractor as applicable.
- 7 The cement & steel shall be issued by the department from IPH Store Thunag i.e. Cement @ Rs. 289/-per bag, steel @ Rs. 5700/-per cftl.

Executive Engineer
I&PH Division Thunag