

SCHEDULE OF QUANTITY

Name of Work : C/O Distribution system LIS Langna in Tehsil Lad Bharol Distt. Mandi (HP)
(SH:- C/O collection chamber).

Job No. 1

Estimated Cost :- Rs.

186753 Only

Earnest Money :- Rs.

3740 Only

Time Limit :- Six Month

S/No.	Description	Quantity		Rate		Unit	Amount
				In Fig.	In word		
1	Excavation in foundation and trenches in earth work,lifts up to 1.50 meters attacking the excavated soil not more than 3 meters clear from the edge of the excavation and then returning the stacking soil in 15cm .layers, when required in to plinths sides of foundations etc, consolidating each deposited layer by ramming and watering and then depositing of all surplus excavated earth as directed with in a lead of 20 metres in all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	6.84	Cum			Per cubic metre	
2	Providing and laying cement concrete 1:4:8 (1cement:4 sand:8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of from work in foundation and plinth complete in all respect with in all leads and lifts and as per the entire satisfaction of Engineer-in Charge.	2.28	Cum			Per Cubic metre	
3	Providing and laying cement concrete 1:1.5:3 (1cement:1.5 sand : 3graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and re-inforcement for reinforced concrete work in:-						
(a)	Wall (any thickness but not less than 0.1 m thickness) attached pillasters, buttresses, plinth and string courses, etc. from top of foundation level upto floor two level complete with in all leads and lifts as per direction of the Engineer-in-Charge.	12.42	Cum			Per Cubic meter	
(b)	Foundation , footing basis of columns & the like and mass concrete complete in all respect and as per the direction of Engineer-in-Charge	3.46	Cum			Per Cubic meter	
(c)	Suspended floor ,roofs, lendings and shalves and thier supports balconies,beem griders and bressumers and cantiliver upto floor two level complete with in all leads and lifts as per direction of the Engineer-in-Charge.	1.69	Cum			Per Cubic metre	
4	Providing tor steel reinforcement for R.C.C. work including bending,binding and placing in position complete upto floor two level in all respect complete with in all leads and lifts as per the direction of Engineer-in-Charge.	878.00	Kg.			Per kilogram	
5	Providing form work of steel plate 3.15mm thick planking so as to give a rough finish including shuttering, centring, shuttering and propping hight 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 lintels, beams etc. including all leads and lifts in: and as per the entire satisfaction of Engineer-in Charge.						
(a)	Vartical surface such as walls (any thickness) portion and the like including attached pillers,buteress plinth and staircases and the like.	165.60	Sqm			Per square metre	

- (b) Flat surfaces such as soffits of suspended floors roofs landing and the like . 22.50 Sqm
 Floors etc up to 200mm in thickness. complete in all respect and as per the
 entire satisfaction of Engineer-In-Charge.

Per square
 metre

Total:

Term & Conditions

- 1 The work shall be executed as per IPH/ PWD specification
- 2 The pipe shall be issued free of cost from sub divisional store Lad Bharol on proper indents.
- 3 The contractor shall be fully responsible for watch and ward of material at the site of work and in case of any theft or loss the recovery shall be made at the double cost of store issue rates.
- 4 Cement and steel will be supplied to the contractor by the department at store issue rate @ 223/- per Bag and steel @ Rs. 4874/-per qtl.at sub-division store Lad Bharol
- 5 The work shall be completed with in stipulated period.
- 6 The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- 7 The concrete should be volume batched, machinically mixed and vibrated only mechanically crushed stone aggregate should be used in concrete works.
- 8 1% Labour cess will be deduct from contractor bill.

Executive Engineer,
 IPH Division, Padhar.

SCHEDULE OF QUANTITY

Name of Work : C/O Distribution system LIS Langna in Tehsil Lad Bharol Distt. Mandi (HP)
 (SH:- C/O collection chamber).

Job No. 2

Estimated Cost :- Rs. 186753 Only

Earnest Money :- Rs. 3740 Only

Time Limit :- Six Month

S/No.	Description	Quantity	Rate		Unit	Amount
			In Fig.	In word		

1	Excavation in foundation and trenches in earth work, lifts up to 1.50 meters attacking the excavated soil not more than 3 meters clear from the edge of the excavation and then returning the stacking soil in 15cm layers, when required in to plinths sides of foundations etc, consolidating each deposited layer by ramming and watering and then depositing of all surplus excavated earth as directed with in a lead of 20 metres in all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	6.84	Cum	Per cubic metre
2	Providing and laying cement concrete 1:4:8 (1cement:4 sand:8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of from work in foundation and plinth complete in all respect with in all leads and lifts and as per the entire satisfaction of Engineer-in Charge.	2.28	Cum	Per Cubic metre
3	Providing and laying cement concrete 1:1.5:3 (1cement:1.5 sand : 3graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and re-inforcement for reinforced concrete work in:-			
(a)	Wall (any thickness but not less than 0.1 m thickness) attached pillasters, buttresses, plinth and string courses, etc. from top of foundation level upto floor two level complete with in all leads and lifts as per direction of the Engineer-in-Charge.	12.42	Cum	Per Cubic meter
(b)	Foundation , footing basis of columns & the like and mass concrete complete in all respect and as per the direction of Enginer-in-Charge	3.46	Cum	Per Cubic meter
(c)	Suspended floor ,roofs, lendings and shalves and thier supports balconies,beem griders and bressumers and cantiliver upto floor two level complete with in all leads and lifts as per direction of the Engineer-in-Charge.	1.69	Cum	Per Cubic metre
4	Providing tor steel reinforcement for R.C.C. work including bending,binding and placing in position complete upto floor two level in all respect complete with in all leads and lifts as per the direction of Engineer-in-Charge.	878.00	Kg.	Per kilogram
5	Providing form work of steel plate 3.15mm thick planking so as to give a rough finish including shuttering, centring, shuttering and propping hight 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 lintels, beams etc. including all leads and lifts in: and as per the entire satisfaction of Engineer-in Charge.			
(a)	Vartical surface such as walls (any thickness) portion and the like including attached pillers,buteress plinth and staircases and the like.	165.60	Sqm	Per square metre
(b)	Flat surfaces such as soffits of suspended floors roofs landing and the like . Floors etc up to 200mm in thickness. complete in all respect and as per the entire satisfaction of Engineer-In-Charge.	22.50	Sqm	Per square metre

Term & Conditions

Total:

- 1 The work shall be executed as per IPH/ PWD specification
- 2 The pipe shall be issued free of cost from sub divisional store Lad Bharol on proper indents.
- 3 The contractor shall be fully responsible for watch and ward of material at the site of work and in case of
- 4 Cement and steel will be supplied to the contractor by the department at store issue rate @ 223/-
- 5 The work shall be completed within stipulated period.
- 6 The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- 7 The concrete should be volume batched, mechanically mixed and vibrated only mechanically crushed stone
- 8 1% Labour cess will be deducted from contractor bill.

Executive Engineer,
IPH Division, Padhar.

SCHEDULE OF QUANTITY

Name of work:- Providing Sewerage Scheme to Joginder Nagar Town in Tehsil J/Nagar District

(SH :- C/O Chamber Plate form and Protection of pipe)

Job No. 3.

Estimated Cost Rs.

1,69,297/-Only

Earnest Money Rs.

3400/-Only

Time : Six months

Sr. No.	DESCRIPTION OF ITEMS	Qty.	RATE		Unit	Amount
			In fig.	In words		
1	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work jumper work,saturated soil including bailing or pumping out water, blasting soft/hard rock, chiseling soft/hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads/lifts and shoring strutting,timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	17.34	Cum			Per cubic metre
2	Providing and laying cement concrete 1:4:8 (1 cement:6sand:12 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	20.60	Cum			Per cubic metre
3	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish i/c centring, shuttering, strutting and propping etc.with wooden battens and ballies,height of propping and centring below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for insitu-reinforced concrete & plain concrete work in:-					
(a)	Vertical surfaces such as walls (any thickness & shape), partitions and the like including attached pillasters, buttress,plinth and string courses and the like.	37.92	Sqm.			Per square metre
4	Providing and laying cement concrete 1:2:4 (1 cement:2sand:4 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	13.50	Cum			Per cubic metre
TERMS & CONDITIONS						Total :

- 1 The work shall be executed as per HPPWD / IPH specifications.
- 2 The contractor shall be fully responsible for watch and ward of materials at the site of work and in case of
- 3 Cement will be issued to the contractor from IPH Sub-Divisional store J/Nagar @ Rs. 223/- per Bag on
- 4 The work shall be completed with in stipulated period.
- 5 The rates are inclusive of carriage of all materials to the site of work in all leads and lifts.
- 6 The concrete should be volume batched, mechanically mixed and vibrated .Only mechanically crushed
- 7 1% Labour cess will be deducted from the bill of contractor.
- 8 12% G.S.T. will be deducted from the contractor.

**Executive Engineer,
IPH Division, Padhar.**

SCHEDULE OF QUANTITY

**Name of Wrok:-Remmodelling & Improvement of FIS Ropa Padhar, FIS Gumma Har and Zim Zima
(SH:-C/O Head weir, Main Channel, Laying, Jointing and Testing of HDPE pipe, Inlet &**

Job- 4

Estimated Cost :- Rs. 4,20,764 /- Only

Earnest Money:- Rs. 8,420 /- Only

Time: Six Months

Sr. No.	Description of item	Qty	Rate		Unit.	Amount
			In Fig.	In words		
1	Cutting in earth work and disposal of excavated earth up to a lead of 20 metres within all leads and lifts and as per the entire satisfaction of Engineer-in-Charge.	12.50	Cum		Per Cubic Metre	
2	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work jumper work,saturated soil including bailing or pumping out water, blasting soft/hard rock, chiselling soft/hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads/lifts and shoring strutting,timbering and dewatering where ever required as per direction of the Engineer-in-Charge.	296.57	Cum		Per Cubic Metre	
3	Excavation in drain & channel in earth work, in all depths & in all classification of earth work, stacking the excavated soil not more than 3 meters clear from the edge of the excavation and then returning the stacking soil in 15cm .layers, when required in to plinths sides of foundations etc, consolidating each deposted layer by ramming and watering and then deposing of all surplus excavated earth as directed with in all leads and lifts	21.20	Cum		Per Cubic Metre	
4	Providing and laying cement concrete 1:4:8 (1cement:4 sand:8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of from work in foundation and plinth complete in all respect with in all leads and lifts and as per the entire satisfaction of Engineer-in Charge.	0.59	Cum		Per Cubic Metre	
5	Providing and laying cement concrete 1:6:12 (1 cement:6sand:12 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	2.30	Cum		Per Cubic Metre	
6	Providing and laying cement concrete 1:3: 6 (1 cement: 3 sand: 6 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth and as per the satisfaction of Engineer-in-Charge.	1.20	Cum		Per Cubic Metre	

7	Providing and laying cement concrete 1:3: 6 (1 cement: 3 sand: 6 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth and as per the satisfaction of Engineer-in-Charge.	0.07	Cum	Per Cubic Metre
8	Providing and laying cement concrete 1:1.5:3(1cement:1.5 sand:3 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and re-inforcement for reinforced concrete work in:			
(b)	Foundation , footing basis of columns & the like and mass concrete and as per the entire satisfaction of Engineer-in Charge.	3.58	Cum	Per Cubic Metre
(a)	Walls(any thickness but not less than 0.1 m thickness)attached pillasters,buttresses, plinth and string courses,etc. from top of foundation level upto floor two level with in all leads & lifts and as per the entire satisfaction of Engineer-in Charge.	11.87	Cum	Per Cubic Metre
(b)	Suspended floor ,roofs, landings and shalves and thier supports balconies, beam griders and bressumers and cantiliver upto floor two level with in all leads and lifts.	4.07	Cum	Per Cubic Metre
9	Providing and laying cement concrete 1:2:4(1cement:2 sand:4 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and re-inforcement for reinforced concrete work in:			
(a)	Suspended floor, roofs, landings and shalves and thier centilivers foundation and plinth and as per the direction of Engineer-in-charge.	5.56	Cum	Per Cubic Metre
10	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish l/c centring,shuttering,strutting and propping etc.with wooden battens and ballies,height of propping and centring below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for insitu-reinforced concrete & plain concrete work in:-			
(a)	Vartical surface such as walls (any thickness) portion and the like including attached pillers,buteress plinth and staircases and the like.	83.52	Sqm	Per Square Meter
(b)	Flat surfaces such as soffits of suspended floors roofs landing and the like . Floors etc up to 200mm in thickness. complete in all respect and as per the entire satisfaction of Engineer-In-Charge.	17.57	Sqm	Per Square Meter
(c)	Columns, pillers, posts and struts, square, rectangular, polygonal in plan with in all leads and lifts.	37.26	Sqm	Per Square Meter
11	Providing tor steel reinforcement for reinforced cement concrete work including bending,binding in position complete upto floor two level complete in all respect and as per the direction of Engineer-in-Charge	1287.70	kg	Per kilogram
12	Wire crates made of G.I. wire filled with boulders with square cut faces against the wire (Wire crates to be measured and paid for seperately). with in all leads and lift,carrige of material and other incidental charges complete in all respect as per the entire satisfaction of Engineer-in Charge.	46.88	Cum	Per Cubic Metre

13	Wire crates made of G.I. wire filled with boulders with square cut faces against the wire (Boulder filling to be measured & paid for seperately) 15x15cm mesh GI wire 5mm thick corresponding to SWG 6 .with in all leads and lift,carrige of material and other incidental charges complete in all respect as per the entire satisfaction of Engineer-in-Charge.	187.50	Sqm	Per Square Meter
14	Providing and Fixing of celling for locking of manhole cover with in all leads and lifts.	1.00	No.	Each
15	Providing and fixing of M.S. angle bracket to cover & safety of sluice valves in side out let chamber 25x25x4 mm @ 1.4 kg/mt.	10.92	Kg	Per Running Meter
16	Providing and fixing of sluice valve 100 mm dia of approved ISI make with latest ammendment complete in all respect with M.S. connecting rod 1.5 mtr. lont to operate wheel of sluice valve including jointing of HDPE end cap joint with connection pipe 110 mm OD and to the entire satisfaction of the Engineer-in-Charge.	1.00	No	Per Running Meter
17	Providing form work of M.S. sheets for side of concrete lining with in all leads and lifts.	0.61	Cum	Per Cubic Metre
18	Square rubble masonry coursed with hard stone of apporved quality in foundation and plinth including racking out joints in cement mortor 1:4 (1cement :4sand) complete in all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	0.38	Cum	Per Cubic Metre
19	Randum rubber masonry/polygonal rubble masonry (un-coursed/brought to course) with hard stone of approved quality in foundation and plinth including levelling upto with cement 1:6:12 (1cement :6sand:12graded stone aggregate 20mm nominal size in cement mortar 1:6 as per the direction of Engineer in Charge..	3.75	Cum	Per Cubic Metre
20	Boulder filling dry hand packed tightly as in wire crate apron bunds complete with in all leads and lifts as per the direction of Engineer-in-Charge.	3.00	Cum	Per Cubic Metre
21	Laying, jointing and testing of HDPE pipes in trenches to required grades as per IS 4984-1995 latest with up to date amendments of following OD pipes, material grade and class of pipes. The jointing of pipes should be done by way of butt fusion welding as per relevant IS Code and specifications including all fittings and accessories e.g. coupling, TEE's, bends, reducers, screwed adopters, flanged tail pieces etc. complete with in all leads and lifts as per the direction of Engineer-in-Charge.			
(a)	90 mm, PN 4.00, PE-80	563.50	Rmt.	Per Running Meter
(b)	110 mm, PN 4.00, PE-80	240.00	Rmt.	Per Running Meter

22	Fixing of HDPE Tee 100 mmx90mmx63 mm with Qc end (copler on both end of tee) on HDPE pipe with existed pipe of out let dia 110 mm OD (Butt fusion).	1.00	No	Each
23	Fixing of RCC pipe 900 mm dia NP2	1.25	Rmt.	Per Running Meter
24	Fixing of RCC pipe 350 mm dia NP3	0.65	Rmt.	Per Running Meter

Total:

Term & Conditions

- 1 The work shall be executed as per IPH/ PWD specification
- 2 The pipe shall be issued free of cost from Divisional store Padhar on proper indents.
- 3 The contractor shall be fully responsible for watch and ward of material at the site of work and in
- 4 Cement & steel shall be issued to the contractor by the department from IPH Divisional store
- 5 The work shall be completed with in stipulated period.
- 6 The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- 7 The concrete should be volume batched, machinically mixed and vibrated only mechanically
- 8 1% Labour cess will be deducted from the bill of contractor.
- 9 12% G.S.T. will be deducted from the contractor.

Executive Engineer,
IPH Division, Padhar.

SCHEDULE OF QUANTITY

Name of Work: Providing LWSS Shanan Makriri Chatarbhuja and Jhamed Tehsil Joginder Nagar Distt Mandi (HP)
(S.H:- GI Piping arrangement for inlet outlet scour and by pass arrangement with Sluice valve for treatment unit)

Job No. 5
Estimated Cost Rs. 293578/- Only
Earnest Money Rs. 5870/- Only

Time:- Six Months.

S.No	Item of work	Quantity	Rate		Unit.	Amount
			In Fig.	In words		
1	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work jumper work, saturated soil including bailing or pumping out water, blasting soft/hard rock, chiselling soft/hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads/lifts and shoring strutting, timbering and dewatering where ever required as per direction of the Engineer-in-Charge.					
2	Laying jointing and testing in trenches to be leveled to grade IS marked GI Pipe of following diameter confirming to IS :1239:1990 (part-II) (latest with up to date amendments) having minimum wall thckness as specified below jointed with butt welding tyo be done on both ends according tyo relevant BIS standered and detailed specification including all kinds short pieces, bends tees and other special etc. made from parent tubes and jointing with butt welding in three layeers as applicable for the particular reach and to technical spectification as per site conditions including flushing, cleaning and hydraulic testing as per the direction of the engineer in Charge.	8.88 Cum			Per Cubic Meter	
	a) GI Pipe 125 mm dia (M)	175 Rmt			Per running metre	
	b) GI Pipe 80 mm dia (M)	120 Rmt			Per running metre	
3	Providing & fixing CI Sluice valves/ Scour valves (with hand \wheel) as per IS : 14846/2000 Calss I PN 1.0 leader/ Bir/BHEL/GLED/ Kirloskar make of 125 mm dia meter including stainless spindle complete with bolts nuts rubber insertions as per the direction of the Engineer-in-Charge. (CI Sluice valve=125 mm dia).	13 Nos			Each	

4 Providing & fixing CI Sluice valves/ Scour valves (with hand wheel) as per IS : 14846/2000 Class I PN 1.0 leader/ Bir/BHEL/GLED/ Kirloskar make of 80 mm dia meter including stainless spindle complete with bolts nuts rubber insertions as per the direction of the Engineer-in-Charge.

2 Nos

Each

TERM AND CONDITIONS:-

- 1 The work shall be executed as per IPH/ PWD specification
- 2 The contractor shall be fully responsible for watch and ward of material at the site of work and in
- 3 The GI Pipe shall be issued to the contractor free of cost from IPH Sub Division J/ Nagar on
- 4 The work shall be completed within stipulated period.
- 5 The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- 6 Statement of length where pipe is not buried under ground due to rocky strata shall be attached
- 7 1% Labour cess will be deducted from the bill of contractor.

Total :-	
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Executive Engineer,
IPH Division, Padhar.

SCHEDULE OF QUNATITY

Name of Wrok:-A/R & M/O of LWSS Kaflon (under drought) in Tehsil Lad Bharol Distt. Mandi (SH:-Supply of 1.50 HP submersible motor at Sil (Shil Gram Vikas Sabha)

Estimated Cost Rs. 204069 /-Only
Earnest Money Rs. 4085 /-Only
Time:- Six Months

Job No. 6

S. No.	Description or item.	Quantity		Rate		Unit.	Amount
				In Fig.	In Words		
1	Supply and Fixing of 1.50 Horse Power submersible pump set for clear water of standard made such as Kirloskar /KSB/Glonet confirming to ISI code 8034-1976 with upto date amendments . The pump should be capable of handing of following duty condition with (+) 10% and (-) 25% head arrang for motor 98 meter and it should be operationable with 240 volts single phase AC supply as per the satisfisfaction of Engineer-in-Charge .	1	Set			Per Set	
2	Providing and fixing of water proof cable 3 corer, 2.5mm per IS 674 Part-II-1964 suitable for above pump set from starter to pump set subject to the approval of HPSEB authority as per the satisfaction of Engineer-in-Charge	200	Rmt.			Per Running Metre	
3	Providing & Fixing of high steel carbon rope size 5mm square for holding of submersible pump set with in all leads and lifts as per the satisfaction of Engineer-in-Charge.	85	Rmt.			Per Running Metre	
4	Providing and Fixing of starter (direct on line) of standard make such as L&T/MET/ Havels/AVON/Crompton/Asian for above Pump set with suitable capacity installed on a wooden switch board fixed on a wall capable of mounting a volt meter 0 to300 vol capacity and ampere meter of capacity 0 to 300 ampere of standard make as per the satisfaction of Engineer-in-Charge.	1	No.			Each	
5	Providing & Fixing of stand (square type)1.50*1.50 meter in size and 4 meter in height made of angle iron 50 *50*5mm for vertical posts and 25*25*5 mm for bracing in the legs in all sides as per approved design. The top shall be made of flat iron 40*5mm.with bracing capable of resting circular water tank as per the satisfaction of Engineer- in-Charge.	1.20	Qtl.			Per Quintal	
6	Providing and Fixing of HDPE water tank 1000 liters capacity of standard make such as Displast / Sintex duty ISI marked with in Three layers with blue colour suitable cover and locking arrangement including the cost of socket and check nut 32/40 mm Dia for inlet out let and scour for pver f;pw pipe connected to hand pump casing as per the satisfaction of Engineer-in-Charge.	1	No.			Each	

7	Providing and fixing M.S angle from steel 16SWG fabricated floor mounting type switch board comprising and capable of mounting the following accessories and with all internal electrical connection dully painted.The drawing of the panel board will be subject as per the satisfaction of Engineer-in-Charge.	1	No.	Each
8	Providing & Fixing of electric material for energisation of hand pump wooden board 3*3MCBICTP including switches Wire 3/29,1/18,7/22 fuse 32 Amp. DP switch with sheet insulation switch board with sheet including sockets and switch angle holder bulb (lamp100 watt) nut and bolts and all other petty items required for electrical connection complete in all respect as per the satisfaction of Engineer-in-Charge.	1	No.	Each
9	Providing and Fixing mild steel plate with nipple 32/40 mm dia welded, galvanized iron reducer 32/40mm dia M.seal & PVC tapper etc. complete in all respect as per the satisfaction of Engineer- in-Charge.	1	Job	Per Job
10	Providing, Jointing and Testing of 3-layer PP-R (Polypropylene random copolymer) pipes UV stabilized and antimicrobial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass threaded polypropylene random fittings with in all leads and lifts complete in all respect as per the direction of Engineer-in-Charge. (a) 40 milimetre dia (PN-16).	80	Rmt.	Per Running Metre
11	Providing, Jointing and Testing of 3-layer PP-R (Polypropylene random copolymer) brass light weight (Peet valve) fittings with in all Leads and lifts complete in all respect as per the direction of Engineer-in-Charge. (a) 40 milimetre dia (Brass light weight).	1	No.	Each
12	Providing, Jointing and Testing of 3-layer PP-R (Polypropylene random copolymer) male threaded sockets fitting with in all leads and lifts complete in all respect as per the direction of Engineer-in-Charge. (a) 40 milimetre dia.	2	Nos.	Each
13	Providing, Jointing and Testing of 3-layer PP-R (Polypropylene random copolymer) elbow fittings with in all leads and lifts complete in all respect as per the direction of Engineer-in-Charge. (a) 40 milimetre dia.	4	Nos.	Each
14	Providing, Jointing and Testing of 3-layer PP-R (Polypropylene random copolymer) socket fittings with in all leads and lifts complete in all respect as per the direction of Engineer-in-Charge (a) 40 milimetre dia.	20	Nos.	Each

15 Providing, Jointing and Testing of 3-layer PP-R (Polypropylene random copolymer) union fittings with in all leads and lifts complete in all respect as per the direction of Engineer-in-Charge.

(a) 40 milimetre dia.

2 Nos.

Each

Total:-	
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TERM AND CONDITIONS:-

- 1 No payment shall be made for rejected material .
- 2 The work shall be completed with in stipulated period .
- 3 The work should be executed as per HPPWD specifications.
- 4 The rates are inclusive of carriage of materials in all leads and lifts to the site of work.
- 5 The contractor shall be responsible for watch and ward of material issued to him and in the event
- 6 1% Labour cess will be deducted from the bill of contractor.
- 7 12% G.S.T. will be deducted from the contractor.

Executive Engineer,
I&PH Division Padhar

SCHEDULE OF QUANTITY

Name of work:- A/R & M/O LWSS Kanarg Fagla in Tehsil Lad Bharol District Mandi (HP)
(SH :- C/O retaining wall downside of main storage tank from RD 7.00 mtr. Of height 4.00 Mtr)

Estimated Cost Rs.
Earnest Money Rs.
Time : Three months

Job No. 7
1,12,540/-Only
2250/-Only

Sr. No.	DESCRIPTION OF ITEMS	Qty.	RATE		Unit	Amount
			In fig.	In words		
1	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work jumper work,saturated soil including bailing or pumping out water, blasting soft/hard rock, chiseling soft/hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads/lifts and shoring strutting,timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	7.65	Cum			Per cubic metre
2	Providing and laying cement concrete 1:4:8 (1 cement:6sand:12 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	1.93	Cum			Per cubic metre
3	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish i/c centring, shuttering, strutting and propping etc.with wooden battens and ballies,height of propping and centring below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for insitu-reinforced concrete & plain concrete work in:-					
(a)	Vertical surfaces such as walls (any thickness & shape), partitions and the like including attached pillasters, buttress,plinth and string courses and the like.	63.80	Sqm.			Per square metre
4	Providing and laying cement concrete 1:5:10 (1 cement: 5sand:10 graded stone aggregate 40mm nominal size) with 15% plum and curing complete excluding cost of form work in retaining wall/ breast wall the size of plum shall usually be 150 mm to 300 mm as per the direction of Engineer-in-Charge.	27.30	Cum			Per cubic metre

Total :

TERMS & CONDITIONS

- 1 The work shall be executed as per HPPWD / IPH specifications.
- 2 The contractor shall be fully responsible for watch and ward of materials at the site of work and in case of
- 3 Cement will be issued to the contractor from IPH Sub-Divisional store J/Nagar @ Rs. 223/- per Bag on
- 4 The work shall be completed with in stipulated period.
- 5 The rates are inclusive of carriage of all materials to the site of work in all leads and lifts.
- 6 1% Labour cess will be deducted from the bill of contractor.
- 7 12% G.S.T. will be deducted from the contractor.

Executive Engineer,
IPH Division, Padhar.

SCHEDULE OF QUANTITY

Name of Work :Aug. of WSS to Lad Bharol (under SCCP) in Tehsil Lad Bharol Distt. Mandi (HP)

(SH:- (Laying jointing, Testing and carriage ofg GI pipe 65 mm dia at Point B-C from RD 0 to 3500= 3500 Rmt.

Job No. 8

Estimated Cost :- Rs.

227900 Only

Earnest Money :- Rs.

4560 Only

Time Limit :- Three Month

S/No.	Description	Quantity	Rate		Unit	Amount
			In Fig.	In word		
1	Excavation in foundation and trenches in earth work,lifts up to 1.50 meters attacking the excavated soil not more than 3 meters clear from the edge of the excavation and then returning the stacking soil in 15cm .layers, when required in to plinths sides of foundations etc, consolidating each deposited layer by ramming and watering and then deposing of all surplus excavated earth as directed with in a lead of 20 metres in all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	660.00	Cum			Per cubic metre
2	Laying jointing testing & carriage of galvansed steel tube fittings in trenches of follwing dia (L) class (earth work in trenches to be measured and paid for separately)	1600.00	Rmt.			Per Running metre
<u>Term & Conditions</u>						<u>Total:</u>

- 1 The work shall be executed as per IPH/ PWD specification
- 2 The contractor shall be fully responsible for watch and ward of material at the site of work and in case of
- 3 The GI Pipe shall be issued to the contractor free of cost from IPH Divisional Store Padhar on
- 4 The work shall be completed with in stipulated period.
- 5 The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- 6 Statement of length where pipe is not burried under ground due to rocky strata shall be attached
- 7 1% Labour cess will be deduct from contractor bill.
- 8 12 % GST will be deducted from the contractor.

IPH Division, Padhar.
Executive Engineer,

SCHEDULE OF QUANTITY

Name of work:- PWSS to NC/PC Habitation of €Matehar G/O village Tehsil Lad Bharol District
(SH :- C/O retaining wall RD 500 to 512 mtr of height 3.65 mtr to protect the gravity main 125 mm

Job No. 9
Estimated Cost Rs. 203844/-Only
Earnest Money Rs. 4100/-Only
Time : Three months

Sr. No.	DESCRIPTION OF ITEMS	Qty.	RATE		Unit	Amount
			In fig.	In words		
1	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work jumper work,saturated soil including bailing or pumping out water, blasting soft/hard rock, chiseling soft/hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads/lifts and shoring strutting,timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	11.70	Cum			Per cubic metre
2	Providing and laying cement concrete 1:4:8 (1 cement:6sand:12 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth all respect with in all leads and lifts as per the direction of Engineer-in-Charge.	4.50	Cum			Per cubic metre
3	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish i/c centring, shuttering, strutting and propping etc.with wooden battens and ballies,height of propping and centring below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for insitu-reinforced concrete & plain concrete work in:-					
(a)	Vertical surfaces such as walls (any thickness & shape), partitions and the like including attached pillasters, buttress,plinth and string courses and the like.	78.75	Sqm.			Per square metre
4	Providing and laying cement concrete 1:5:10 (1 cement: 5sand:10 graded stone aggregate 40mm nominal size) with 15% plum and curing complete excluding cost of form work in retaining wall/ breast wall the size of plum shall usually be 150 mm to 300 mm as per the direction of Engineer-in-Charge.	45.90	Cum			Per cubic metre
TERMS & CONDITIONS						Total :

- 1 The work shall be executed as per HPPWD / IPH specifications.
- 2 The contractor shall be fully responsible for watch and ward of materials at the site of work and in case of
- 3 Cement will be issued to the contractor from IPH Sub-Divisional store J/Nagar @ Rs. 223/- per Bag on
- 4 The work shall be completed with in stipulated period.
- 5 The rates are inclusive of carriage of all materials to the site of work in all leads and lifts.
- 6 1% Labour cess will be deducted from the bill of contractor.
- 7 12% G.S.T. will be deducted from the contractor.

Executive Engineer,
IPH Division, Padhar.