

### Schedule of Quantity

**Name of work:- Providing Lift irrigation scheme Hurla in Tehsil  
Bhuntar Distt. Kullu HP.(SH:- C/O water intake structure)**

Estimated Cost      320015  
Earnest money      6400.00  
Time                      6 Month

S.No.	Description of items.	Quantity	Unit	Rate	Amount
1	Excavation in foundation, trenches etc.in earth work , in all depths & in all classification of earth work stacking the excavated soil not more than 3 metres clear from the edge of excavation and then returning the stacked soil in 15cm layers, when required, into plinths, sides of foundations, etc., consolidating each deposited layer by ramming and watering and then disposing of all	26.14	cum		
2	Providing and laying cement concrete 1:3:6 (1 cement:4sand:8 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth.	1.59	cum		
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)	Foundations, footings, bases of columns and the like and mass concrete.	48.22	cum		
4	Providing tor steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level.	1687.70	Kg.		
5	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)	Vertical surfaces such as walls (any thickness& shape), partitions and the like including attached pillasters, buttress,plinth and string courses and the like.	59.70	Sqm.		

#### TERMS AND CONDITIONS

- 1 The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code & CPHEEO Manual to be satisfaction of the Engineer-in-charge.
- 2 The rates of all items should be inclusive of carriage of all material with in all leads and lifts to the site of work by all means of transport. The carriage of material issued from departmental store will be done by the contractor at his risk and cost.
- 3 Cement will be issued from Divisional store Shamshi @ Rs. 294 /- per bag for which recovery shall be made from each bill.
- 4 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax,

Executive Engineer  
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Kullu at Bhunter

### Schedule of Quantity

**Name of work:- A/R & M/O LIS Jarad Piplage in Tehsil bhunter** Estimated Cost 280819  
**Distt. Kullu H.P. (SH:- Manufacturing and fixing common** Earnest Money 5616  
Time 3 months

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Excavation in foundation trenches etc. in earth work lift up to 1.5 mtrs. Stacking the excavated soil not more than 3 metres away from the edge of excavation and then returning the stacked soil in 15 cm layers when required in to plinth and sides of foundations, consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated earth as directed with in a lead of 20 metres in pick jumper work.	45.75		Cum	
2	Manufacturing and fixing of GI nipple of 150mm dia 1 mtr. Long welded with flange table-17 on both side of work with all leads and lifts to the entire satisfaction of Engineer in Charge				
	1.0 Mtr Long	6.00		Each	
	0.60 Mtr Long	6.00		Each	
	0.30 Mtr Long	4.00		Each	
3	Manufacturing and fixing of GI bend of 150mm dia welded with flange table-17 at both side of the ends of the bends at site of work with all leads and lifts to the entire satisfaction of Engineer in Charge	3.00		Each	
4	Laying jointing (by way of circumferential flanges welded joints by electrical arc welding) and testing of galvanised mild steel confirming to BIS 1239-2001 (latest with upto date amendments) having wall thickness as per code with bevelled ends. The rates also includes entire carrige of material, flushing, cleaning & hydraulic testing complete to the best satisfaction & direction of Engineer in charge with in all leads and lift (earth work in trenches will be measured and paid for separately)				
	150mm dia	24.00		Rmt.	

5	Providing, laying, jointing and testing of MSERW pipe welded with flange of 200mm dia meters/class confirming to ISO 3183-2007, latest with upto amendments having wall thickness as specified below with bevelled ends and capable of withstanding required test pressure in a random length of 4 to 7 meters, including manufacturing reducers/tapers all short pieces, bends etc. as per site requirements made from parent tubes. The laying of pipe will include all operations such as cutting, welding, jointing, fabrication of bends, tees etc. including lowering and laying in excavated trenches to ensure required level including flushing, cleaning and hydraulic testing complete in all respects to the satisfaction of the Engineer in charge. The fabricated bends shall have three or four cuts having its radius not less than five times the dia of pipe. The pipes shall be factory galvanized (zinc coating both inside and out side) as per relevant IS standards and damaged portion of the pipes and specials made from the parent tube during welding or otherwise shall be provided anticorrosive treatment by applying two coats of anticorrosive bituminous paints over a priming coat as per AWWA specifications C-203-1978. the welding electrodes shall be as per IS 814 of Advani or Lokon/L&T or ISI marked make. The rates also includes entire carriage of material, flushing, cleaning & hydraulic testing complete to the best satisfaction & direction of Engineer in charge with in all leads and lifts. (Earth work in trenches will be measured and paid for	48.00		Rmt.	
6	Manufacturing supplying and fixing of MSERW pipe bend of 200 mm dia welded with flange table-17 at both ends of the pipe at site of work with in all leads and lifts to the entire satisfaction of Engineer in Charge	2.00		Each	
7	Manufacturing supplying and fixing of 200mm dia MSERW pipe nipple of following dia welded with flange table-17 at both ends of the pipe at site of work with in all leads and lifts to the entire satisfaction of Engineer in Charge				
	1.00 mtr long	2.00		Each	
	0.60 mtr Long	3.00		Each	
8	Manufacturing of common header of 2.0 mtr. Long MS pipe welded with MS plate 4mm thick at both ends and making two hole of 150 mm dia for fitting the 150mm dia delivery pipe at site of work with in all leads and lifts to the entire satisfaction of Engineer in Charge	1.00		Job	
9	Providing and fixing CI foot valve IS:4038 PN-2 of following dia at site of work within all leads and lift to the entire satisfaction of Engineer in Charge				
	150mm dia	2.00		Each	
<b>Total:-</b>					

#### TERMS AND CONDITIONS

- 1 The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code &
- 2 The rates of all items should be inclusive of carriage of all material with in all leads
- 3 GI pipe will be issued free of cost from Divisional store Shamshi.
- 4 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax, Surcharge on Income Tax and Sales Tax etc.

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<b>Schedule of Quantity</b>			<b>Estimated Cost</b>		<b>493208.00</b>
<b>Name of Work:- PWSS Miagi Bagi Dhar in GP Kothi cheni in tehsil Banjar Distt. Kullu HP.(SH:- C/O Intake chamber, Storage tank of 13000 litters capacity at Point B and L/J &amp;</b>			<b>Earnest money</b>		<b>9864.00</b>
			<b>Time</b>		<b>3 Months</b>
<b>Sr.No.</b>	<b>Description of items</b>	<b>Qty.</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1.00	Excavation in foundation trenches etc in earth work in all kinds of soil	2046.62		cum	
2.00	Providing and laying cement concrete 1:4:8 ( 1 cement : 4 sand :8	2.53		cum	
3.00	Random rubble masonry Polygonal rubble masonry (un-coursed	2.24		cum	
4.00	20mm thick cement plaster in single coat on rough side of brick/ stone	4.00		Sqm	
5.00	Cement concrete flooring 1:2:4(1cement:2sand:4graded stone agg.	1.00		Sqm	
6.00	Providing and laying cement concrete 1:1 1/2:3 ( 1 cement :1 1/2 sand :3				
6.01	a) Foundation and plinth with in all heights and depths includiing all	1.55		cum	
6.02	b) Wall ( any thickness but not less then 0.1m thickness ) attached	3.34		cum	
7.00	Providing and laying reinforced cement concrete work 1:2:4 ( 1 cement				
7.01	a) Suspended floors, roofs, landings, shelves and their supports	0.97		cum	
8.00	Providing form work with steel plates 3.15 mm thick welded with angle				
8.01	a) Vertical surfaces such as walls (any thickness ) partitions and the like	45.47		Sqm	
8.02	b) Flat surfaces such as soffits of suspended floors, roofs, landings and	6.43		Sqm	
9.00	Providing and laying tor steel reinforcement for RCC work including	418.16		Kg	
10.00	Providing and fixing man hole cover made with angle iron 40 x40x 3 mm	2.00		Each	
11.00	Laying, Jointing and testing of following dia meters of GMS pipes				
11.01	65 mm	7500.00		Rmt	
				<b>Total:-</b>	

**TERMS AND CONDITIONS:-**

- The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code & CPHEEO Manual to be
- The rates of all items are inclusive of carriage of all material with in all leads and lifts to the site of work by all means of
- Contractor will be responsible for watch and ward of material at site of work.
- G.I. pipes will be issued free of cost from Divisional store Shamshi.
- The laying of pipe will be governed as per CPHEEO manual departmental standing instructions and direction of the
- The alignment of pipe line is subject to change as per site conditions . Most suitable and technically feasible alignment
- Cement will be issued from Divisional store Shamshi @ Rs. 263 /- per bag and tor steel 4600/- qtl of cost for which
- The contractor will be complete the work of storage tank at 1st instance and then start t
- Income Tax , Sale tax G.S.T. and labour welfare cess shall be deducted from the bill of

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