

Schedule of Quantity			Estimated Cost		111993.00
Name of Work:- RR of WSS Manikaran (Village Sosan seri) in Tehsil Bhuntar Distt. Kullu HP. (SH:- C/O Intake Chamber & L/J of GI pipe)			Earnest Money		2240
			Time		6 Months
S.No.	Description of items.	Qty.	Rate	Unit	Amount
1	Excavation in foundation trenches etc. in earth work, lift upto 1.5 mtr. stack-ing the cavated soil not more than 3.00 mtr. clear from the edge of excavation and then returning the stacked soil in 15 cm layers, when required into plinth side of foundation etc.consolidating each deposited layer by ramming & watering and then disposing of of all surplus excavated earth as directed within a lead of 20 mtrs in pick Jumper work.	267.21		cum	
2	Providing and laying cement concrete 1:4:8 (1cement :4 sand :8 graded stone agg.40mm nominal size) and curing complete excluding the cost of form work in in foundation and plinth.	0.57		cum	
3	Random rubble masonry coursed with hard stone of approved quality in foundation & plinth i/c racking out joints in cement mortar 1:4(1cement:4sand).	2.24		cum	
4	Providing and laying cement concrete 1:2:4(1cement:2sand:4graded stone agg. 20mm nominal size) excluding cost of form work and reinforcement for reinforced concrete work in suspened floors,roofs,landing and shelves and their supports ,balconies,beams,girders,bressumers and cantilever upto floor two level .	0.324		cum	
5	Providing mild steel/ tor steel reinforcement for R.C.C. work i/c bending, binding and placing in position complete upto floor two level.	27.36		Kg	
6	20mm thick cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level i/c arrises ,internal rounded angles, chamfersand rounded angles not exceeding 80mm in girth and finished even and smooth in C.M.1:3(1cement:3 sand).	4.00		Sqm	
7	Cement concrete flooring 1:2:4(1cement:2sand:4graded stone agg. 20mm nom-nal size) laid in one layer finished with a floating coat of neat cement 40 mm thick	1.00		Sqm	
8	Prov. Form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so asto give a fair finish including centring , shuttering, strutting & propping etc. with wooden battens & ballies , height of propping & centring below supporting floor to ceiling not exceeding 4 mtrs.& removal of the same for insitu reinforced concrete & plain concrete work in :Flat surfaces such as soffits of suspended floors , roofs , landings & the like .Floors etc. up to 200 mm in thickness :	1.00		Sqm	
9	Providing and fixing precast concrete manhole cover in CC CC 1:2:4 fixed with angle iron frame of size 0.60x0.45 light duty. The weight of frame should not be less than 15 Kg.	1.00		Each	
10	Laying , jointing and testing in trenches galvanised mild steel of following dia metre, including carriage of pipe and cost of fitting such as bends, tees, air valve, unions and collars etc, as per direction and to the entire satisfaction of Engineer in charge. (Earth work to be measured and paid for seperately)				
	20 mm	850.00		Rmt	
				<b>Total:-</b>	

**Terms & Conditions:-**

- 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.
- 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 transport. The carriage of material issued from departmental store will be done by the contractor at his risk and cost.
- Cement will be issued from IPH store Shamshi @ Rs. 298/- per bag and steel will be issued @ Rs.4600/-Qtl. For which recovery shall be made from each bill.
- 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.
- GI pipe will be issued free of cost from Divisional store Shamshi.

**Executive Engineer,  
IPH Division No. II Kullu at Bhunter.**

<b>Schedule of Quantity</b>					
Name of work :- Providinf FP work on river Parvati near village Sharni in Tehsil Bhuntar Distt. Kullu HP. (SH:- C/O wire crated embankment from RD 0 to 50)				Estimated Cost	485570
				Earnest Money	9711
				Time:-	3 Months.
S.No.	Description of items.	Quantity	Unit	Rate	Amount.
1	Excavation in earth work and disposal of all excavated earth upto a lead of 20 mtrs. (twenty metres) and lift upto 1.50 mtrs. (one point fifty metres) disposing earth to be leveled and neatly dressed pick jumper work within all by the Engineer-in-charge.leads and lifts as directed	37.5	Cum		
2	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire ( Wire crates to be measured and paid for separately ) with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge.The weight of each boulder should not be less than 18 kgs.	195.31	Cum		
3	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire ( boulder fillingsto be measured and paid for separately)with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge. G.I. wire 5 mm thick corresponding to SWG-8 15cmx15cm mesh.	812.50	Sqm		

**TERMS & CONDITIONS:-**

- 1 Work should be carried out as per PWD/ I&PH specification and to the entire satisfaction of engineer in charge.
- 2 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.
- 4 Contractor himself responsible for watch and ward the material at site of work.
- 5 weight of boulder should not be less than 18 Kg.
- 6 Nothing shall be paid for rejected material/work.
- 7 GI wire will be issued free of cost from Divisional store Shamshi on proper indent.

Executive Engineer  
IPH Division Kullu-II at Bhuntar

<b>Schedule of Quantity</b>						
Name of work :- Providinf FP work on river Beas near Bhuntar bazar Tehsil Bhuntar Distt. Kullu HP. (SH:- C/O wire crated embankment from RD 0 to 20)					Estimated Cost	264531
					Earnest Money	5291
					Time:-	3 Months.
S.No.	Description of items.	Quantity	Unit	Rate	Amount.	
1	Excavation in earth work and disposal of all excavated earth upto a lead of 20 mtrs. (twenty metres) and lift upto 1.50 mtrs. (one point fifty metres) disposing earth to be leveled and neatly dressed pick jumper work within all by the Engineer-in-charge.leads and lifts as directed	15.00	Cum			
2	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire ( Wire crates to be measured and paid for separately ) with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge.The weight of each boulder should not be less than 18 kgs.	117.19	Cum			
3	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire ( boulder fillingsto be measured and paid for separately)with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge. G.I. wire 5 mm thick corresponding to SWG-8 15cmx15cm mesh.	500.00	Sqm			

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- 3 Contractor himself responsible for watch and ward the material at site of work.
- 4 weight of boulder should not be less than 18 Kg.
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- 6 GI wire will be issued free of cost from Divisional store Shamshi on proper indent.

Executive Engineer  
IPH Division Kullu-II at Bhuntar

**Schedule of Quantity**

Name of work:-Operation and maintenance of .99 MLD STP at Mela ground Bhuntar with its complete net work of Zone A&D under sewerage scheme Bhuntar Town in Tehsil Bhuntar Distt. Kullu.

Estimated Cost 492000  
Earnest money 9840  
Time: 3 Month

S.No	Description of items	Quantity	Rate	Unit	Amount
1	Operation,repair and maintenance of Sewage Treatment and all civil works and electro-mechanical equipments , sewerage network , main trunk sewers, man holes and entire sewer net work of zone A&D by deploying Assistant Plant manager ,Process Engineer, Junior Engineer (Civil),Supervisor, Electricians,Operators,Chemist,Assistant Chemist, Sewer men, Casual Labourer, Watchman, ,Fitter, plumber Sewer men, Casual Labourer, Watchman, Gardener,Fitter, plumber, etc. relating to sewerage system of Bhuntar Town which consist of sewage treatment plant of 0.99 MLD capacity, in all respect to the entire satisfaction of Engineer-in-charge. Firm should do comply the stringent effluent standards laid down by HP Pollution control board and terms and conditions as per annexure A to M alongwith other general terms and conditions.	1 Job		Job for 3 Month	
				<b>Total:-</b>	<b>0</b>
	<b>Operation, repair and maintenance shall cover following components</b>				
<b>Sr. No.</b>	<b>Unit</b>	<b>Nos.</b>	<b>Size/ Capacity</b>	<b>MOC</b>	
<b>0.99 MLD capacity zone A&amp;D</b>					
<b>A</b>	<b>Sewer Network</b>				
1	Complete sewer network length	8250 mtr.	<b>DI pipe 150mm to 400mm</b>	DI	
2	No of manholes	271 Nos	<b>Various sizes</b>	RCC/masonry	
<b>B</b>	<b>Civil Unit</b>				
1	Inlet Chamber	1 No	<b>1.50x1.40x1.40</b>	RCC	
2	Manual Screen Channel	2	<b>2x0.27x0.160x+0.30</b>	RCC	
3	Manual grit chamber	2	<b>5.80x0.52x0.68+0.30</b>	RCC	
4	Extended Aeration Tank	2	<b>12 mtr diax3.50+0.50</b>	RCC	
5	Secondary Clarifier		<b>11.4x7.60x1.50+0.30</b>	RCC	
6	Lab Building	1 No	<b>10x6.60</b>	RCC/masonry	
7	Dry well /Wet well		<b>6 mtr diax9.00 mtr</b>	RCC	
8	Parshal flume	1 No	<b>2.30x0.27</b>	RCC	
9	Chlorine contact Tan k	1 NO	<b>5.50x3.50x2.20+0.30</b>	RCC	
10	Pump House	1 No	<b>5.30x5.00x3.00</b>	RCC/masonry	
11	Sludge thickener	1 No	<b>2.30 dia, 3 mtr</b>	RCC	
12	Sludge drying beds	4 Nos	<b>12.50 x6.25</b>	RCC	
13	Filtrate sump	1 No	<b>1.75x1.40x1.50</b>	RCC	
<b>C</b>	<b>Mechanical Units</b>				
1	CI gates	1 No		MS	
2	Manual bar screens	2 Nos	-	MS epoxy painted	

3	Fixed type slow speed aerators	2 Nos	<b>12.50 HP</b>	MS epoxy painted
4	Sludge Agitator	1 No	<b>2 HP</b>	SS 316
5	Sludge Recycle pumps	1 No	<b>2 HP</b>	As per manufacturer recommendation.
6	Raw sewage pumps	2 Nos	<b>5 HP</b>	
7	Dry well/wet well	2 Nos	<b>3 HP</b>	
		1 No	<b>5 HP</b>	
		1 No	<b>2 HP</b>	
8	Campus lighting	Job		

Executive Engineer  
IPH Division No.II  
Kullu at Bhunter

**Schedule of Quantity**

Name of work :- Providing Lift irrigation scheme to Reri mshgan in Tehsil Bhuntar Distt. Kullu HP.(SH:- C/O Wire crated embankment & site development )

Estimated 184664  
Cost  
Earnest 3693  
Money  
Time:- 3 Months.

S.No.	Description of items.	Quantity	Unit	Rate	Amount.
1	Hiring of excavator/ loader (JCB) including POL charges any damages to the public as well private property shall be entire responsibility of contractor. The work shall be executed as per the entire satisfaction of the Engineer-in-charge.	65	Hours		
2	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire ( Wire crates to be measured and paid for separately ) with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge.The weight of each boulder should not be less than 18 kgs.	46.88	Cum		
3	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire ( boulder fillingsto be measured and paid for separately)with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge. G.I. wire 5 mm thick corresponding to SWG-8 15cmx15cm mesh.	187.50	Sqm		
4	Providing dewatering system by installation of dewatering pump set and required pipe reducers ,bends casing, valve etc to drain water out of the site of work and to maintain the work area in a fit condition to execute the work at site with in all leads and lifts and to the entire satisfaction of the Engineer-in-charge.	6	per day		

**TERMS & CONDITIONS:-**

- 1 Work should be carried out as per PWD/ I&PH specification and to the entire satisfaction of engineer in charge.
- 2 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.
- 4 Contractor himself responsible for watch and ward the material at site of work.
- 5 weight of boulder should not be less than 18 Kg.
- 6 Nothing shall be paid for rejected material/work.
- 7 GI wire will be issued free of cost from Divisional store Shamshi on proper indent.

Executive Engineer  
IPH Division Kullu-II at Bhuntar

Name of work:- Providing LIS Upper Mohal in Tehsil Bhunter Distt. Kullu H.P. (SH:- C/O water intake structure)		Estimated cost		496238.00
		Earnest money		9925.00
		Time		3 months
S.No	Description of items	Quantity	Rate	Amount
1.00	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 mtrs. clear from the edge of excavation and then returning the stacked soil in 15cm layers when required into plinth, sides of foundations etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated soil complete in all respect as per direction and to the entire satisfaction of the Engineer-in-charge.	56.89	Cum	
3.00	Providing and laying cement concrete 1:1.5:3(1Cement :1.5 sand:3 graded crushed stone aggregate 20mm nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in all leads and lifts in :-			
3.01	(a) Foundation ,footings bases of columns and the like mass concrete in all leads and lifts	92.30	Cum	
4.00	Providing and laying tor steel reinforcement for RCC work including bending binding and placing in position complete upto floor two level with in all leads and lifts and to the entire satisfaction of Engineer Incharge including cost of binding wires.	3230.50	Kg	
5.00	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 centering , shuttering , strutting and propoing etc with wooden batten and ballies, height of propping and centering below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for insitu- reinforcedconcrete and plain concrete workwork in, with in all leads, lifts and to the entire satisfaction of Enginner Incharge.			
5.01	i) Vertical surfaces such as walls (any thickness ) partitions and the like including attached pillasters, buttresses, plinth and string sources and the like.	45.90	Sqm	
8.00	Providing dewatering system by installation of dewatering pump set and required pipe reducers ,bends casing, valve etc to drain water out of the site of work and to maintain the work area in a fit condition to execute the work at site with in all leads and lifts and to the entire satisfaction of the Engineer-in-charge.	8.00	Per day	
			<b>Total</b>	

**TERMS AND CONDITIONS :-**

- 1 The contractor shall be responsible for watch and ward of material issued to him and in the event of any theft or loss, the recovery will be made at the double cost of store issue rates.
- 2 The rates should be inclusive of carriage of all material to the site of work in all leads and lifts.
- 3 Cement will be issued from sub Divisional store Shamshi @ Rs. 316/- per bag & steel will issued free of cost from divisional store Shamshi.
- 4 Income Tax , Sale tax G.S.T. and labour welfare cess shall be deducted from the bill of the contractor as applicable.
- 5 Contractors shall have registration in Employees Provident Fund Organization (EPFO) for EPF No. before award of work

Executive Engineer,  
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Kullu at Bhunter.