

## SCHEDULE OF QUANTITY

**ESTIMATED COST = 449126/-**

**NAME OF WORK** :-Providing LWSS to NC/PC habitation Bokala of CV Bokala GP Bokala Tehsil Paonta Distt Sirmour (HP)

**EARNEST MONEY = 8985/-**

(SH:- Providing / laying / jointing of GI/ MSERW Pipe 80 mm dia in Rising Main

**TIME = 3 Months**

S.No.	Description of Items							Qty.	Rate	Unit	Ammount
1	Excavation in drain and channels etc. in earth work in all kinds of soil such as kankar Moorum, Shingles, Conglomerate saturated soil decomposed or soft rock & hard rock by blasting/ chiselling (where blasting is prohibited) including dressing of sides and beds, with all leads and lifts. The disposed earth to be levelled and neatly disposing of excavated earth dressed and returning the stacked soil in to foundation and trnches etc. including ramming and watering and than consolidating the same where ever required within all leads and lifts including jungle clearance and as per direction of the direction of the Engineer-in-Charge.							262.20		P/Cum.	
2	Providing, laying, testing & commissioning at site in trenches bevelled ended MSERW pipes of various grades conforming to IS/ ISO 3183-2017 latest with upto date amendements having wall thickness and per Rmt weight as mentioned below & capable of withstanding required test pressure as prescribed in BIS code, in random lengths of 5.5 to 6.5 mtr. The pipes ends shall be bevelled suitable for butt welding including the cost of jointing with butt welding conforming to IS 816-1969 or latest as applicable ends with upto date amendments (leak proof) in three layers at site of work with welding rods of standard make and all allied accessories whatever required for welding at site, tail pieces, tees, bends and other specials manufactured from parent pipes as applicable to the particular reach & of approved specification as per site conditions and cutting of pipes wherever required as per site requirement including carriage in all leads and lifts and as directed by Engineer-in-charge. The pipe shall have zinc coating inside & out side conforming to IS-4736-1986 or latest with upto date amendments. The laying shall conform to BIS 5822-1970 or latest with upto date amendments to the entire satisfaction of Engineer-in-charge (Earth work shall be measured and paid for separately).										
	<b>Dia</b>		<b>RD to</b>	<b>RD</b>	<b>Wall Thickness(mm)</b>		<b>Grade</b>				
	50	MM	0	540	4.40		MSERW(A)	540.00		Rmt	
3	Laying, testing & commissioning at site in trenches bevelled ended GMS pipes of <b>50mm</b> diameter of heavy grades as under conforming to BIS 1239 PART -1 1990 or latest with upto date amendements having wall thickness and per Rmt weight as mentioned below & capable of withstanding required test pressure as prescribed in BIS code, in random lengths of 5.5 to 6.5 mtr. The pipes ends shall be bevelled suitable for butt welding including the cost of jointing with butt welding conforming to IS 816-1969 or latest as applicable ends with upto date amendments (leak proof) in three layers at site of work with welding rods of standard make and all allied accessories whatever required for welding at site, tail pieces, tees, bends and other specials manufactured from parent pipes as applicable to the particular reach & of approved specification as per site conditions and cutting of pipes wherever required as per site requirement including carriage in all leads and lifts and as directed by Engineer-in-charge.										
	<b>Dia</b>		<b>RD to</b>	<b>RD</b>	<b>LENGTH</b>		<b>Grade</b>				
	50	MM	540	1520	980.00		GI(H)	980.00		Rmt	



**SCHEDULED OF QUANTITY**

**NAME OF WORK:-** Providing GWSS Doner Lowago & adjoining habitations of GP Sankholi in Tehsil Kamroo Distt Sirmour

( SH:- Construction of RCC intakes ,C/O RCC storage Tank of various cap and Providing Laying G.I. pipes in D/System

Job No 3 for vill (Lalti Kiret, Dandog, Nalian & Rithet) 1No intake and 15000 ltrs cap tank and distribution of GI pipe)

**Estimated cost Rs 438322/-**

**Earnest money Rs. 8770/-**

**Time:- 6 months**

Sr.No	Description of items	Qty.	Rate	Unit	Amount
1	Excavation in foundation and trenches etc. in earth work in all kinds of soil such as pick work, jumper work decomposed conglomerate saturated soil soft and hard rock upto all leads lifts stacking the excavated soil not more than 3mtr. Clear from the edge of the excavation and then returning the stacked soil in 15cm layer when required into plinth side of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed with in all leads, lifts and as per direction of Engineer in charge.	16.25		P/Cum	
2	Providing and laying cement concrete 1:4:8 (1cement:4app.sand:8app.graded stone agg. 40mm nominal size) and curing complete excluding the cost of form work in foundation & plinth in all height and depth including all leads lifts and carriage of material at site and as directed by the Engineer in charge.	1.94		P/Cum	
3	Providing and laying reinforced cement concrete work 1:1-1/2:3 (1cement :1-1/2 sand : 3 graded stone agg. 20mm nominal size and curing complete excluding the cost of form work in reinforcement for RCC work including all leads lifts complete and carriage of material etc. as per directions of Engineer in charge.				
	(a) Foundation and plinth	3.15		P/Cum	
	(b) Wall (any thickness but not less then 0.10 thick) attached pilasters, buttress and the like	6.91		P/Cum	
4	Providing form work with steel plates 3.15 thick welded with angle iron in frame 30X30X5mm so as to give rough finish including centering shuttering strutting and propping etc. with wooden battens and bellies, highs or propping and centering below supporting floor to ceiling not exceeding 4mtrs and removal of the same for insitu- RCC work and PCC work including all leads lifts and carriage of material at site and as per direction of Engineer in charge :-				
	(a) flat surfaces such as softies and suspended doors, roofs landing and the floors etc. up to 200mm in thickness.	35.40		P/Sqm	
	(b) Vertical surface such as walls (any thickness)	50.80		P/Sqm	
5	Providing and laying cement concrete 1:2:4 (1cement : 2 app. sand : 4app. graded stone agg. 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced work in suspended floors, roofs landings shelves and their supports balconies, beams, girders bressumers and cantilevers up to floor two level in all height and depth, including all leads lifts and carriage of material at site and as per directions of the Engineer in charge.	1.42		P/Cum	
6	Providing Mild/Tor steel reinforcement for RCC work including banding, binding and placing in positing complete up to floor two level including all leads, and carriage of material at site and as directions of the Engineer in charge.	496.50		P/Kg	
7	Excavation in drains and channels etc. in earth work in all kinds of soil such as Kankar moorum, shingles. Conglomerate saturated soil decomposed or soft rock & and hard rock by blasting including dressing of sides and beds, disposing of excavated earth with all leads, lifts disposed earth to be leveled and neatly dressed and then returning the stacked soil into foundation and trenches etc. including ramming and consolidating the same wherever required with all leads, lifts and including jungle clearance and as per the direction of the Engineer in Charge.	433.70		P/Cum	

8	Laying & jointing in trenches following dia metres of GMS pipe (Earth work to be measured and paid for seperately ) including all leads ,lifts and carriage of material as site and as directed by the Engineer incharge				
	25 mm dia (L)	2700.00		P/Rmt	
	50 mm dia (L)	3200.00		P/Rmt	
	<b>TOTAL</b>				

**TERMS AND CONDITIONS:-**

- 1 The work shall be executed as per IPH/PWD specification and instructions of the Engineer-in-charge.
- 2 GST, Security, Sale tax & Income tax shall be deducted as per rules.
- 3 Cement shall be issued @Rs.342/-P.bag & steel @Rs.58/- P.kg.at IPH Store Shillai
- 4 Empty cement bags shall be returned to the Deptt.otherwise Rs.2/-per bag shall be deducted from the bill.
- 5 Royalty certificate in respect of Stone aggregate sand etc. shall be produced by the contractor.
- 6 G.I. Pipes shall be issued free of cost by the deptt. at IPH Store shillai
- 7 In addition to normal security 10% amount will be withheld for want of testing of Pipe/ S/tank against leakage and will be released after successful testing.
- 8 Dismantelled pipe shall be taken in MAS .
- 9 RCC work shall be carried out with machanical mixture and with help power driven vibrator . Hand mixed concrete shall not be primmitted.Water shall be made available by the contrator without any extra cost.
- 10 Use of steel shuttering is mandatory . No shuttring other done steel shall be used
- 11 G.I. fitting shall be provided by the contrector

Executive Engineer,  
I&PH Division.,  
Shillai (HP)