

DRAFT NOTICE INVITING TENDERS

Name of Work:- Providing LWSS Kehanwal, Kathlag Chambi Jola Tehsil Sadr Distt Mandi HP. Estimated Cost Rs. 1321817/-

SH:- Providing and laying of MSERW/GI Rising main for Booster Stage, 1st stage and 2nd stage.) Earnest Money Rs. 26450/-

Time Limit. Six Months.

Sr.No.	Description of items.	Quantity		Rates		Unit	Amount
				In Figures	In Words		
1	Excavation in foundations,trenches(for pipes and pits)upto all depths and in all classification of earth work such as pick work,jumper work,saturated soil including bailing/pumping out water,blasting soft/hard rock or chiselling soft or wedging out of same where blasting is prohibited in all leads and lifts including trimming and dressing of sides,levelling of beds to correct grade including soring,strutting/planking,timbering and dewatering where ever required ,stacking the useable and un- useable materials/soils separeately and after laying,jointing and teesting of pipes ,returning the useable soils in 15cm.layers by ramming and watering and then disposing of all surplus excavated soils/un-useable materials as directed within all leads and lifts including restoration of un-metalled surfaces to its original conditions and including the cost of diversion of traiffic,night signals,fixing caution boards ,crossing over trenches for access to houses,fencding etc.complete in all respects within all leads and lifts and as per the direction of the Engineer-in-charge.	2223.00	Cum			Per Cubic Metre	
2	Providing ,laying,jointing and testing in trenches to be levelled or grades,BIS marked Galvanised MSEREW flanged pipes of following diameters conforming to BIS-1978-1982 (Latest with upto date ammendments) having minimum wall thickness as specified below of steel grade YST-240 jointed with flanges conforming to tables as specified below of BIS-6392-1971 (latest with upto date ammendments) welded at both ends according to as per IS-816-1965 with electrodes as per IS-814-1991 with latest revision)and detailed specification,including cost of flanges with nuts and bolts of required sizes ,with 3mm thick compressed asbestos fiber gasket or synthetic rubber gasket confirming to relevant BIS codes/approved specifications including manufacturing reducers/tapers,all short pieces and bends as per site requirement and made from parent tubes(to be measured and paid alongwith pipes)Bends shall be manufactured in such a way that not more than 11 1/4 degree deflection is caused by a single cut and internal dia is not reduced including hyraulic testing to the entire satisfaction of the Engineer-in-charge.						
	The pipes and specials shall have in factory galvanized coating as per IS: 4739(with latest amendments) The pipe wil be measured for straight l;ength only (Earth work to be measured and paid for separately.)						
Stage.	RDs Length. No. of Bend Net Length F.Table Dai. Class. Wall th.						
	From. To.						
1st	0 360 360 3 357 28 150mm MSERW 6.40	357.00	Rmt			P.Rmt.	
3	Laying and jointing in trenches to be levelled to grade ,ISI marked GI Flanged pipes of following diameters confirming to IS-1239-1990 (Part-II)latest with upto date amendments) having minimum wall thickness as per class of pipes specified below jointed with flanges confirming to tables as specified below of BIS-6392-1971(latest upto date amendments)Welded at both the ends according to relevant IS 816-1965 with electrodes as per IS 814-1991 and detailed specification as appended in NIT and prprovided with nuts and bolts of required sizes with 3mm thick compressed. Asbestos fiber gasket of synthetic rubber gasket confirming to relevant BIS codes as given in technical specifications including all leads and lifts flanged short pieces,bends tees and other specials etc.made from parent tubes and welded with flanges of tables as applicable for the particulars reach and of technical specifications appended in the NIT as per site conditions including finishing cleaning and hydraulic testing as per the direction of Engineer-in-charge.						

Stage.	RDs	Length.	No of bend	Net length	F.Table	Dia	Class	Wal thick						
	From.	To.												
1st	360	570	210	4	206	28	150mm	GI(H)	5.40	206.00	Rmt			P.Rmt.
4	Laying and jointing in trenches to be levelled to grade ,ISI marked GI Flanged pipes of following diameters confirming to IS-1239-1990 (Part-II)latest with upto date amendments) having minimum wall thickness as per class of pipes specified below jointed with flanges confirming to tables as specified below of BIS-6392-1971(latest upto date amendments)Welded at both the ends according to relevant IS 816-1965 with electrodes as per IS 814-1991 and detailed specification as appended in NIT and prprovided with nuts and bolts of required sizes with 3mm thick compressed. Asbestos fiber gasket of synthetic rubber gasket confirming to relevant BIS codes as given in technical specifications including all leads and lifts flanged short pieces,bends tees and other specials etc.made from parent tubes and welded with flanges of tables as applicable for the particulars reach and of technical specifications appended in the NIT as per site conditions including finishing cleaning and hydraulic testing as per the direction of Engineer-in-charge.													
Stage.	RDs	Length.	No of bend	Net length	F.Table	Dia	Class	Wal thick						
	From.	To.												
Booster	0	220	220	2	218	5	125mm	(M)	4.8	218.00	Rmt			P.Rmt.
Booster	0	570	570	5	565	5	125mm	(M)	4.8	565.00	Rmt			P.Rmt.
I.Ist	570	1710	1140	11	1129	17	150mm	(M)	4.8	1129.00	Rmt			P.Rmt.
I.Ist	1710	2050	340	3	337	5	150mm	(M)	4.8	337.00	Rmt			P.Rmt.
2nd	0	540	540	5	535	17	150mm	(M)	4.8	535.00	Rmt			P.Rmt.
2nd	540	1100	560	5	554	5	150mm	(M)	4.8	554.00	Rmt			P.Rmt.
5	Providing, laying, jointing and testing of flanged bends of all degree of MSERW pipes manufactured from parent tubes with three or four gas cuts of radius not less than 5 times dia of pipes with welding of all pieces as per IS code as mentioned in item No.2 above and jointed with flanged conforming to IS 6392-1971 (latest upto date ammendments) of following tables and welding of flange as per IS 816-1965 with electrodes as per IS 814-1991 with latest upto date ammendments including required numbers and size of nuts and bolts as per IS 1369-1967 and providingmg and fixing compressed asbestose fibre jointing gaskets sheet not less than 3mm in thickness as per IS 2712-1965. The weldiing of flanges to be done on both faces in three layers i.e. one in inner side and two in outer face of the pipe to make the joint leak proof. The bends shall have galvanized coating as per IS 4736 with latest upto date ammendments).													
	The pipe will be measured and paid for separetely) the laying of bends will inclue al operations such as cutting forming shaping welding and jointing including flushing cleaning and hydroulic testing complete in all respect to the entire satisfaction of the Engineer-in-Charge including entire carriage of material upto all leads and lifts. (The earth work in trenches to be measured and paid for separetely).													
Stage.	RDs	Length.	L. of bend	Net length	F.Table	Dia	Class	Wal thick						
	From.	To.												
1st	0	360	360	3	357	28	150mm	MSERW	4.8	3.00	No.			Each

6	Providing, manufacturing, laying jointing of flanged GI bends from parent tube or required degree conforming to relevant IS specification with upto date ammendments MS flanges including cost of flanges shall be conforming to IS 6392-1971 as per table specified below with electric welding as of flanges as per IS 816-1965 with electrodes as per IS 814-1991 with latest upto date ammendments including required number of nuts and bolts of required size including asbestos fibre gaskets not less than 3mm thickness and conforming to IS 2712-1965. The welding of flange to be on both face to make the joint leak proof in 3 layers i.e. one inner side and two outer side face of pipes including cutting of threaded ends and to the entire satisfaction of the Engineer-in-Charge.													
Stage.	RDs	Length.	No of bend	Net length	F.Table	Dia	Wal thick							
	From.	To.												
Booster	0	220	220	2	218	5	125mm	4.8	2.00	Nos.		Each		
Booster	0	570	570	5	565	5	125mm	4.8	5.00	Nos.		Each		
I.lst	360	570	210	2	208	28	150mm	5.4	2.00	Nos.		Each		
I.lst	570	1710	1140	11	1129	17	150mm	4.8	11.00	Nos.		Each		
I.lst	1710	2050	340	3	337	5	150mm	4.8	3.00	Nos.		Each		
2nd	0	540	540	5	535	17	150mm	4.8	5.00	Nos.		Each		
2nd	540	1100	560	5	554	5	150mm	4.8	2.00	Nos.		Each		
Total Rs.														

Terms and Conditions.

- 1 Only GI pipe and MS flanges will be issued by the Department free of cost at IPH Divisional store Raghunath Ka Padhar Mandi.
- 2 **Other Terms and Conditions is also attached in Separate Sheet.**

**Executive Engineer,
IPH Division Mandi.**