

SCHEDULE OF QUANTITY

NAME OF WORK :- R/M LWSS Garkhal Larah in Tehsil Kasauli District Solan (H.P.) (SH:- Replacement of old damaged rising main 100mm dia MSERW pipe & GMS pipe (1st & 2nd stage).

Estimated Cost:- 875287/--
Earnest Money:- 18,000/-
Time Period:- Three Months.

S.NO	Description.	Qty.	Rate		Unit	Amount
			In Fig.	In Words		
1	Excavation in drains and channel etc in earth work for pipes up to all depths in all classification of earthwork such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft/hard rock or chiseling soft/hard rock where blasting is prohibited in all lifts including jungle clearance wherever required, trimming & dressing of sides, levelling of beds to correct grade including shoring/ strutting, planking, timbering & dewatering wherever required stacking the useable/ unuseable material/ soil seperately & after laying, jointing & testing of pipes, returning the useable soil in trenches in 15cm layers including consolidating of such deposited layer by ramming & watering & then disposing of all surplus excavated soil/ unuseable material as directed with in all leads & lifts including restoration of un-metalled surfaces to its original condition & including cost of diversion for traffic, night signals, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respects with-in all leads & lifts as per directions of Engineer-in-charge.	906.75			P/Cum	
2	Providing,laying, testing & commissioning at site in trenches bevelled ended MSERW pipes of "A" grades confirming IS/ISO3183-2007, having wall thickness & 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 BIS 816-1969 or latest as applicable ends with up to date amendments (leak proof) in three layers at site of work with welding rods of standard make and all allied accssories whatever required for welding at site, tail pieces, tees, bends and other special manufactured from parent pipes as applicable to the particular reach and of approved specifications as per site connections and cutting of pipes wherever required as per site requirement including carriage in all leads and lifts 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 ammendments and shall be engraved with GRADE A ISO 3183-2007 the laying shall confirmed to BIS 5822 -1970 or latest with upto date ammendments to the entire specifications of Engineer in Charge (earth work shall be measured and paid for sepretally).					

	STAGE 1st														
	From	To	Diameter	Thickness	Wt.(kg/m)	Length	Grade								
	1.	270	520	100mm	5.20mm	13.99	250	"A" or L-210	250				P/Rmt		
	STAGE 2nd														
	1.	290	720	100mm	4.80mm	12.96	430	"A" or L-210	430				P/Rmt		
3	Providing & Laying, testing & commissioning at site in trenches following plain ended GMS pipes of 100mm diameter heavy grade as under confirming to BIS 1239-(Part-1)-1990 or latest with up to date ammendments, capable of withstanding required test pressure as prescribed in BIS code, in random lenth of 5.5 to 6.5 mtr. The pipe's ends shall be bevelled suitable for butt weld, including the cost of jointing with butt welding confirming to IS 816-1969 or latest as appliciable (leak proof) in three layers at site of work with welding rods of standard make & all allied accessories whatever required for welding at site, tail pieces, tees, bends manufactured from parent pipes etc. and cutting of pipes wherever required as per site requirement i/c carriage in all leads & lifts as directed by Engineer-Incharge (Earth work shall be measured & paid for seperstely).														
	From	To	Nominal Dia		Length (in mtrs.)										
	STAGE 2nd														
	1.	720	1590	100mm		870							870		P/Rmt
4	Providing, welding & fixing M.S. plate flanges of 100mm dia. (nominal bore) of following Flange Tables confirming to IS 6392-1971 or latest with up to date ammendments to MSERW/ GI pipes after every 90 metres or as per site requirement including cutting of pipes wherever required, welding in three layers (leak proof) confirming to specifications as prescibed in relevent I.S. code i.e. IS 816-1969 or latest as applicable with up to date ammendments with nuts, bolts & washers & special etc. confirming to IS-1963 or latest with upto date ammendments including packing sheet i.e. asbestos fibre sheet minimum 3mm thick & painting with anticorrosive paints complete in all respect in all leads, lifts and carriage of matterial at site & as direction by the Engineer Incharge.														
	S.No.	R.Ds	Nominal Dia.		Length (in mtrs.)			Flange Table							
		From	To												
	STAGE 1st														
		270	520	100mm	250			FT-28		3		Each/Pair			
	STAGE 2nd														
	1.	290	1440	100mm	1150			FT-28		13		Each/Pair			
	2.	1440	1590	100mm	150			FT-17		2		Each/Pair			
												Total:-			

TERMS AND CONDITIONS:-

- 1 The undersigned reserves the right to accept or reject any or all the tenders without assigning any reason thereof.
- 2 The work will be got executed as per IPH/PWD specification.
- 3 Security, GST will be deducted as applicable
- 4 Nothing will be paid for sub-standard work/material.
- 5 Work shall be started within 15 days after the date of award and completed in stipulated period.

- 6 Test certificate of manufactures should be supplied for MSERW pipe before any payment is claimed.
- 7 MSERW & GMS pipe shall be got inspected ex-words through RITES, DGS, D&D-Variats firms and the entire cost shall be borne by the contractor.
- 8 5% amount will be withheld for want of testing. The contractor shall be responsible for all leakage in joints system.
- 9 Welding of flanges to the pipes, bends tees etc. shall be carried out strictly in accordance with

**Executive Engineer
IPH Division Solan**