

Schedule of quantity

Estimated cost Rs.674729/-

Earnest money Rs. 13500/-

Time:- Six months

Name of work:- Providing LWSS to P.C. habitation of C.V. Lot, Karswali & Kathyali in G.P.Pakhrair and kanda Bagsaid Tehsil Thuag Distt. Mandi (HP))(SH:- Providing, laying, jointing and testing of MSERW pipe, laying & jointing of GI pipe in Rising main)

S.No.	Description	Qty.	Rate	Unit	Amount.
1	Excavation in foundation and trenches etc. (for pipes and pits upto all depths) in all classification of earth work such as pick work, jumper work saturated soil including bailing out water, blasting soft/hard rock or chiseling soft/hard rock where blasting is prohibited in all lifts including trimming and dewatering where ever required stacking the unserviceable/serviceable material/soil separately and after laying, jointing and testing of pipes returning the useable soil in trenches in 15cm layers including consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated soil as directed within all leads/lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signals, fixing caution boards, crossing over trenches for access to houses fencing etc. complete in all respect with leads/lifts as per direction and to entire satisfaction of the Engineer-in-charge.	755.63 Cum		Per cum	
2	Providing , laying, jointing and testing in trenches (to be levelled to grades) MSERW pipe plain ended of following diameter conforming to IS-1978-82 (latest with uptodate ammendments) YST grade 210 having wall thickness as specified below, suitable to withstanding hydraulic test pressure as per specified code in random length 5.5m-6.5m with providing and fixing flanges conforming to IS: 6392-1971(latest with uptodate ammendments) and welding of flanges as per IS: 816-1965 (latest with uptodate ammendments) with electrode as per IS: 814-1967 (latest with uptodate ammendments) including required number and size of nuts and bolts as per IS: 1369-1967 (latest with uptodate ammendments) and compressed asbestos fibre jointless gasket sheets not less than 3mm in thickness as per IS: 2712-1965 (latest with uptodate ammendments) . The welding of flanges to be done on both faces using minimum three layers (one inner side and two outer side) of welding so as to make the joints leakproof and to the entire satisfaction of Engineer-in-Charge. The laying of pipe shall conform to IS: 5822-1994 (latest with uptodate ammendments) and as per CPHEEO manual. The laying will include all operations such as cutting, welding and jointing including flushing cleaning and hydraulic testing and including manufacturing reducers/tapers, all short pieces, and bends with flange of appropriate table 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 hydraulic testing to the entire satisfaction of Engineer-in-charge in all leads and lifts. The pipe shall have Zinc coating as per IS: 4736 (latest with uptodate ammendments) . (Earth work in trenches to be measured and paid for separately):-				
	(i) 65mm nominal dia 4.4mm thick with flange Table-34 (RD 0 to 500)		500 Rmt		Per Rmt

S.No.	Description	Qty.	Rate	Unit	Amount.
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	(ii) 65mm nominal dia 4.00mm thick with flange Table-28 (RD 500 to 730)	230 Rmt		Per Rmt	
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3 Laying, jointing and testing in trenches (to be levelled to grade) GI pipe of following diameter conforming to IS: 1239-1990 (Part-II (latest with upto date ammendments) suitable to with stand hydraulic test pressure in random length 5.5m-6.5m with providing and fixing with flanges conforming to IS:6392-1971 (latest upto date ammendments) and welding of flanges as per IS:816-1965 (latest with uptodate ammendments) with electrode as per IS: 814-1967 (latest with uptodate ammendments) including required number and size of nuts and bolts as per 1369-1967 (latest with uptodate ammendments) and providing and fixing compressed asbestos fibre jointing gaskets sheet not less than 3mm in thickness as per IS: 2712-1965 (latest with uptodate ammendments) . The welding of flanges to be done on both faces in three layers (one inner side and two outer site) so as to make the joints leakproof and to the entire satisfaction of the Engineer-in-charge. The laying of pipes shall conform to IS: 5822-1994 (latest with uptodate ammendments) and as per CPHEEO manual. The laying will include all operations such as cutting, welding and jointing including flushing cleaning and hydraulic testing and including manufacturing reducers/tapers, all short pieces, and bends with flange of appopriate table 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 hyudraulic testing to the entire satisfaction of Engineer-in-charge in all leads and lifts.(Earth work in trenches to be measured and paid for separately)

	(i) 65mm nominal dia (Medium grade) with flange Table -28 (RD 730 to 1175)	445 Rmt		Per Rmt	
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	(ii) 65mm nominal dia (Medium grade) with flange Table -17 (RD 1175 to 1420)	245 Rmt		Per Rmt	
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	(iii) 65mm nominal dia (Medium grade) with flange Table-5 (RD 1420 to 1550)	130 Rmt		Per Rmt	
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Total	
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Npte:-Terms and conditions attached separately.

Executive Engineer
I&PH Division
Thunag