

Job No 9

SCHEDULE OF QUANTITY.

Name of Work :- Construction of Tube well at Lower Bhanjal in Tehsil and Distt. Una (HP) Under AIBP.
(S.H. :- Providing, Laying, jointing & testing of MSERW 200 mm dia for Rising main.)

Estimated cost: 501964.00 Only
Earnest money: 10039.00 Only
Time 3 months

S.No	Description of item.	Quantity.	Rate Fig	Words	Unit	Amount.
1	2	3	4		5	6
1.	Excavation in foundation trenches(for pipes and pits) upto all depths in all classification of earth work such as pick work, jumper work, saturated soil including bailing of pumping out water,blasting soft/hard rock where blasting is prohibited. In all lifts including trimming and dressing of sides,levelling of beds to correct grade i/c shoring,strutting,planking timbering and dewatering wherever required,stacking the usable and un-useable material / soil separately and after laying, jointing of pipes returning the useable soil in trenches in 15 cm (fifteen centimeters) layers including consolidating of each deposited layer by ramming and watering and disposing of all surplus excavated soil un useable materials as directed within all leads & lifts including restoration of un-metalled surfaces to its original condition and including cost of diversion for traffic night signals, fixing caution boards, crossing over trenches for excess to houses, fencing etc. complete in all respect with in all leads & lifts as per the direction of the Engineer-in-charge.	325.12 Cum.			Cum.	
2.	Providing, Laying & jointing in trenches to be levelled to grades, and testing of MSERW plain ended pipes conforming to BIS 3589-2001 FE-330 (latest with upto date ammendments) having dia and minimum wall thickness as specified below and jointed with M.S. flanges (The cost of MS flanges, welding of M.S. flanges, cost of nuts, bolts and washers of required size and cost of minimum 3mm thick compressed asbestos fibre/ synthetic rubber gaskets to be measured and paid for separately) including all kinds of short pieces, bends etc. made from parent tube including flushing, cleaning and hydraulic testing complete in all respect to the entire satisfaction and direction of the Engineer-in-charge. The pipes shall be cleaned from all foreign matter and primer conforming to relevent IS specification having a high load factor shall be applied minimum two coats by brushing or spraying and shall be painted with a minimum two coats of Coal Tar Epoxy externally to the entire satisfaction of Engineer - in - Charge including entire carriage of materials within all leads and lifts. 200mm dia 4.00 mm thick	425 Rmt.			Rmt.	
3.	Providing, Fixing, welding of MS flanges confirming to table as specified below as per IS-6392-1971 (Latest with upto ammendment) welding of MS flanges with MSERW pipe and welding on both ends two layers on inner side & one layer on outer side at 30 mtr interval (The cost of MS ERW pipe to be measured & paid for separately) according to relevant BIS standard detail technical specifications & providing fixing of nuts, bolts of required size P/F minimum 3mm thick compressed asbestos fibre/synthetic rubber gasket confirming to relevant BIS code as given in the technical clarification including carriage of material in all leads and lifts at every 5 th joints.					
R.D,s						
	Dia of pipe	Table	welding code No.	Gasket code No.	From .	To.
	200mm	5	816-1962	2712-1965.	0/0	425
	MSERW pipe. 4.0 mm thick.					14 Pair.
						P.Pair.

- 4 Providing Circumferencial Butt Welded joints two layers by electrical arc welding to following dia & class pipes, so as to achieve the minimum effective throat thickness of weld conforming to IS- 816-1969 specifications, by using welding electrodes of 2.5mm to 6.3mm of Advani Oerlikon (Adore)- CITOJET/ ESAB make, conforming to IS 814-1991, at site of work complete in all respects, including manual/mechnical handling of pipes in all leads and lifts to the entire satisfaction of Engineer-in-charge.
i) Butt welding 200 mm dia MSERW pipe 4.0 mm thickness.
TERMS AND CONDITIONS:- As attached.

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Joints

P. Joint

**Executive Engineer,
I & PH Division No II Una.**