

Job No 11

SCHEDULE OF QUANTITY.

Name of Work :- C/O T/well at Joh, Rampur,(Raipur) Madagarh, Babehar, Dangoh, , Daulatpur, 'Gagret, Ghanari Sagnai, Chalet, Amlehar, Mawa kohlan, Kuneran, 'Nakroh & Brahampur etc. with PR Rig. in Tehsil and Distt. Una (HP) Under AIBP. (S.H. :- Laying, jointing & testing of GMS pipe 150 mm dia (M. Class) for Rising main for T/well at Daulatpur (Talwara Road)

Estimated cost: 125120 Only
Earnest money: 2502 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.	904.40 Cum.			Cum.	
2.	Laying, jointing and testing in trenches (to level or grade) of pipes jointed with every fifth joint flanged & remaining butt weld joint of below diametre conforming to IS : 1239-2001 (latest upto date amendments) of grade and Class as specified below, suitable to withstand required hydraulic test pressure in random length 4m - 6m with plain ends and jointed with MS flanges conforming to IS 6392-1971 (Latest upto date amendments) and welding of flanges as per IS 816-1969 with electrodes as per IS 814-1991 including required number and size of MS nuts and bolts as per IS 1369-1967 and compressed asbestos fibre jointing gaskets sheet not less than 3.00mm in thickness as per IS 2712-1998. The welding of flanges to be done on both faces in two layers to make the joints leak proof and to the entire satisfaction of the Engineer-in-charge. The laying of pipes conform to IS 5822-1994 and as per CPHEEO manual and will include all operations such as cutting, welding and jointing including flushing, cleaning and hydraulic testing complete in all respects to the entire: Engineer-in-charge including entire carriage of materials upto all leads and lifts, pipes will be measured in straight length only (Earth work in trenches, flanged joint (at every third joint) and butt weld joints will be measured and paid for separately)					
			RD,s			
	Dia of pipe (Class) MS Flanged Table		From	To		
	150 mm (Medium Class) 5		0/0	(660 + 600)		1260 Rmt.
3.	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 GMS pipe on every 5th joint (The cost of GMS pipe to be measured & paid for separately) according to					

relevant BIS standard detail technical specifications & fixing of nuts, bolts of required size P/F minimum 3mm thick compressed asbestos fibre/synthetic rubber gasket conforming to relevant BIS code as given in the technical specification including carriage of material in all leads and lifts (Two layers outer & one layer inner) every 5th joints.

Dia. of pipe	Table	welding code No.	Gasket code No.	R.D,s			
				From .	To.		
150 mm GMS pipe. Medium Class.	5	816-1962	2712-1965.	0	(660 + 600)	42 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/mechanical handling of pipes in all leads and lifts to the entire satisfaction of Engineer-in-charge. i) Butt welding 150 mm dia GMS pipe (Medium Class)						168 Joints	P. Joint

TERMS AND CONDITIONS:-

- 1 The work shall be carried out as per HPPWD/IPH /ISI specifications.
- 2 1% income tax, 1% labour cess, 2% sales tax and 10% security will be deducted from contractor bill.
- 3 The contractor will be responsible himself for watch and ward of material at site of work, nothing shall be paid in this account.
- 4 The final payment shall be released after successful testing of pipe line
- 5 Nothing shall be paid for rejected/sub standrad materials.
- 6 The GMS pipe issued to contractor free of cost at Divisional store Barnoh & all other fitting such as bends of all degree, tees etc. are provided by the contractor at his own cost.
- 7 MS Flanges of shall be IS Marked.
- 8 10% payment shall be withheld for testing of GI pipe line as & when testing may be done by the contractor the same amount shall be released.

Executive Engineer,
I&PH Divn.No.II,Una.