

				<b>Estimated Cost:-</b>	<b>₹ 3,01,275.00</b>	
<b>Schedule of Quantity</b>				<b>Earnest Money:-</b>	<b>₹ 6,050.00</b>	
				<b>Time:- Three months</b>		
<b>Name of work:- C/O storage tank HB Roperi in GP Jhandutta in Tehsil Jhandutta District Bilaspur (H.P.)(SH:- C/O 23500 Itrs Cap. S/tank, providing, laying and jointing of 25mm GI pipe and providing 2 nos house hold connection)Under JJM</b>						
	Description of item.	Qty	Unit	Rate in		Amount.
				Figures	Words	
1	Excavation in foundation and trenches etc.(including pipes and pits upto all depths) in all kinds of soil such as pick work, jumper work, blasting and chiselling soft or hard rock where blasting is prohibited in all leads and lifts including trimming and dressing of sides, levelling of bed to correct grade stacking the excavated soil clear from the edge of excavation and returning the excavated soil after laying, jointing and testing of GI pipes in trenches in 15cm layers including consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated soil as directed with in a lead of 20 mtrs . in all kind of soil in PW & PJW 50 % Each.	409.84	Cum			
2	Providing and laying cement concrete 1:3:6 (1cement :3 sand: 6 graded crushed stone aggregate and 40mm nominal size) and curing complete excluding the cost of shuttering in foundation and plinth in all leads and lifts.	1.32	Cum			
3	Providing and laying cement concrete 1:1.5:3(1Cement : 1.5 sand: 3 graded crushed stone aggregate 20mm nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in all leads and lifts in:-					
3.1	in foundation, footing, bases of columns and the like & mass concrete.	1.98	Cum			
3.2	In walls (any thickness but not less than 0.10 mts. Thickness) attached pillasters, buttresses plinth, & string courses etc. from top of found level upto floor two level.	4.56	Cum			
4	Providing form work with steel plates 3.15mm thick welded with angles iron in frame 30x30x5mm so as to give a fair finish including centering shuttering strutting and propping etc. with wooden battens and ballies height of propping and centering below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete & plain concrete work in all leads and lifts in:-					
4.1	(a) Vertical surface such as walls(any thickness) partitions and the like including attached pillasters buttresses, plinth and string courses and the like.	60.78	Sqm			
4.2	Flat surfaces such as soffits and suspended floors roofs landing and like floors etc.	11.09	Sqm			
5	Providing and laying cement concrete 1:1.5:3(1Cement : 1.5 sand: 3 graded crushed stone aggregate 20mm nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in all leads and lifts in :-					
5.1	Suspended floor, roofs, landing & shelves & their support balconies , beams, grids, bressumers, & cantiliver upto floor level.	1.28	Cum			
6	providing mild/lor steel reinforcement for RCC work including cutting, bending, binding including cost of binding wire and placing in position complete upto floor two level in all leads and lifts.	631.60	Kg			
7	Steel work welded in built up section, trusses and framed work including hoisting fixing in position and applying a priming coat of red lead paint in grauting framed guard bars, ladders, railing bracket similar work.	21.54	Kg			
8	Laying Jointing and testing in trenches G.I pipes fitting (light grade)(Earth in trenches to be measured and paid for separately )complete in all respect as per entired satisfaction of Engineer-In-Charge.					
8.1	100 mm.	16.00	Rmt			
8.2	15mm dia.	140.00	Rmt			
8.3	20mm dia.	400.00	Rmt			
8.4	25mm dia.	625.00	Rmt			
9	Providing and fixing cast iron sluice valve (with hand wheel) as per IS:780-1984 of Class-I upto 300mm dia. ( i/c brass spindle & as per 2906-1984 class-II fro dia. >300mm ) complete with in all respect and i/c entire carriage of material in all lead and lift as per direction of the Engineer-In-Charge.	2.00	Each			

10	Constructing chamber for sluice valve, with CA surface box 100mm top dia. 160mm bottom dia & 180mm deep (inside) with chained lid RCC top 1:2:4 mix (1 cement: 2 sand: 4 grade stone aggregate 20mm nominal size) 100mm thick foundation concrete 1:5:10 mix (1 cement: 5 sand : 10 graded stone aggregate 40mm nominal size) & inside plastering with cement mortar 1:3 (1 cement : 3 sand) finished with a floating coat of neat cement i/c curing complete. 600x600x750mm inside size. with 150mm thick walls of RCC 1:2:4 (1 cement: 2 sand: 4 grade stone aggregate 20mm nominal size) complete with form work & reinforcement with 6mm bars at not exceeding 150mm centres both ways.	2.00	Each			
11	Providing & Fixing of SFRC Man hole cover with frame having 560mm internal dia (Medium duty) i/c the weight of cover & frame should not be than 100 Kg complete in all respect as per entire satisfaction of Engineer-In-Charge.	2.00	Each			
12	Providing fitting and accessories e.g. Tee, Union, Nipple Elbow, Wheel valve, Bib cock etc. required for house connection upto domestic storage tank the 15mm dia, Wheel shall be confirm to BIS 778:1980 CL-I-all other G.I fitting shall confirm to BIS Specification.	2.00	Job			

#### TERMS AND CONDITIONS

- 1 The work shall be executed as per IPH / PWD specification and to the entire satisfaction of the Engineer-in-charge.
- 2 The rates are inclusive of all taxes and carriage in all leads and lifts.
- 3 The GI pipe of various dia will be supplied by the department to the contractor free of cost from IPH Divisional store .
- 4 Cement will be issued from Divisional store @ Rs.258/- per bag on proper indents.
- 5 The steel will be issued to the contractor @ Rs 5749 P/ Per qtl at Divisional store.
- 6 The contractor shall be responsible for watch and ward of the material at site of work.
- 7 Nothing shall be paid for rejected work/materials.
- 8 The concrete shall be mixed with mechanical process and Vibrator shall be used for compacting the concrete.
- 9 The water to be used for construction and curing shall be clean and free from impurities.
- 10 The empty bags have to be returned to the department other wise recovery will be made @Rs.2/- per bag.
- 11 The crushed stone aggregate will be used from the approved quarry of specified grading.
- 12 The contractor should be registered with EPF organisation.
- 13 The sand will be used from the approved quarry .
- 14 The bends of required degree shall be manufactured by the contractor at his own cost from parent tube which shall be provided by the department.
- 15 10% security, income tax, 1% labour cess and GST as applicable will be deducted from each running bill of the contractor.

Executive Engineer  
IPH Division Jhandi