

Estimated cost 144724.00

Earnest money: 2900.00

Time: 3 months.

SCHEDULE OF QUANTITY

Name of work Improvement of source of LWSS Kheri Tindi Jabli by tapping the source from village Suh in Tehsil Jhandutta Distt. Bilaspur (HP)(SH: Laying jointing and testing of rising main ,Construction of RCC storage tank 10000 ltrs capacity & C/O RCC cut of wall)

Sr.No.	Description of item.	Qty	Unit	Rate		Amount
				In Fig	In words	
1	Excavation in foundation and trenches etc. in earth work lift upto 1.50 mtrs stacking the excavated soil not more than 3 mtrs.clear fromthe edge of the excavation and then returning the stacked soil in 15cm layers when required into plinths sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed within all leads and lifts complete in all respect and as directed by the Engineer-in-charge. Eath work with dewatering /bailing out motor during execution.	96.26	Cum			
2	Providing and laying cement concrete 1: 4 :8 (1 cement: 4and: 8 stone aggregate 40 mm nominal size)and curing complete excluding the cost of centrino and shuttering in foundation and plinth	1.18	Cum			
3	Providing laying cement concrete 1: 1.5 : 3 (1 cement:1.5 sand: 3 graded stone agg. 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete.					
3.1	Foundation footing bases of columns and the like and mass concrete.	2.63	Cum			
3.2	Walls (any thickness but not less than 0.1 mtrs thickness) attached pilasters, buttresses, plinth and string courses etc. from top of foundation level upto floor two level.	7.29	Cum			
4	Providing laying cement concrete 1: 2 : 4 (1 cement:2 sand: 4graded stone agg. 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete .					
4.1	Suspended floor roofs landing and shelves and their support balconies ,beams griders pressumers and cantilevers upto floor two level.	0.47	Cum			
5	Providing mild steel/tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level.	936	Kg			

6	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a rough 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 work.					
6.1	Flat surfaces such as soffits of suspended floors, roofs, landing and the like floors etc. upto 200mm in thickness as per direction and to the entire satisfaction of the Engineer-in-Charge.	4.81	Sqm.			
6.2	Vertical surfaces such as walls (any thickness) portions and the like including attached pilasters buttresses, plinth and string courses and the like in all leads and lifts	75.59	Sqm			
7	Supplying and fixing of G.I. sheet 0.63 mm thick welded with angle iron 25x25x3mm thick supported with MS flat 25x3 mm man hole cover (size 700x700) fixed with hinges on MS angle iron frame 32x32x3mm duly welded and fixed in RCC slab with anchor bolt 12mmx125mm including cost of welding charges carriage fixing and applying priming coat, painting and locking arrangement complete in all respect as per entire satisfaction of Engineer in charge.		1	Each		
8	Laying ,jointing and testing in trenches galvanised mild steel tube fittings of light grade screwed and socketted complete with tube fittings such as bends,tees,air valves, etc. of following dia complete as per direction and to the entire satisfaction of Engineer-in charge.					
8.1	GI pipe 65mm dia.	15.00	Rmt			
9	Steel work welded in built up sections, trusses and framed work including cutting, hoisting and fixing in position and applying a priming coat of red paint.In grating,framed,guards, bars,ladders, ralling brackets and similar works	33.14	Kg			

10	Laying, jointing and testing in trenches of GMS plain ended flanged pipes of below mentioned, grade and flanged table conforming IS 1239-2001 (latest with upto date amendments) suitable to with stand stand required hydraulic test pressure in random length 4 to 6 mtrs and jointed with MS flanges 5% and (remaining buttwelded joints) 5% joint to be flanged including required number and size of M.S nuts and bolts as per IS 1364-2002 and compressed asbestos fibre jointing gasket sheet not less than 3.00mm in thicknes as per IS 2712-1978. The welding of flanges to be done on both faces (in one layer inside and two layers out side) to make the joints leak proof . After four circumstancatial butt welded joints, electrical arc welding in requisite number of weld so as to achieve the minimum effective throate thickness of weld confirming to IS as per IS 816-1967 by using welding electrodes as per IS 814-2004. he laying of pipe should confirm to IS 5822-1984 and as per CPHEEO manual and will include all operation such as cutting welding, jointing, flushing, cleaning, hydraulic testing, cost of flanges all kinds of flanges bends of difference degrees made from parent pipe with three cut weld cost of butt welding, dje penetration test and carriage of material upto date all leads and lifts complete in all respect and to the entire satisfaction of Engineer in charge.(Earth work will be measured and paid for seperately.				
10.1	GMS pipe M.class 40mm dia with wall thickness of 3.25 outer dia of 48.30 mm having wt. of pipe 3.14 Kg/mtr with flange table-17	135.00	Rmt		
11	Providing double flanged CI sluice valve of 40mm dia Leader/Kirloskar make to rising main conforming to IS: P-5312-1984 class PN-1 as per class given below and capable of with standing 10.20 Kg/cm2 seat presure with upto date ammedments.				
11.1	40mm dia Class PN-I		1	Each	

TERMS AND CONDITIONS

- 1 The work shall be done as per IPH/PWD specifications and to the entire satisfaction of Engineer in charge.
- 2 The cement will be issued to the contractor @ Rs 227/P/bag at Divisional store Ghumarwin
- 3 The rates are inclusive with carriage of material in all leads and lifts.
- 4 Only crushed aggregate will be used
- 5 Nothing will be paid for rejected work/material

6 The steel will be issued to the contractor @ Rs 5058 P/ Per qtl at
Divisional store Ghumarwin.

7 The contractor shall be responsible himself for watch and ward the
material issued to his against proper indent

8 The unused material shall be returned back to the store otherwise recovery shall be effected in panel rates.

9 The GI pipe with sockets will be supplied by the department to the contractor free of cost from IPH
Divisional store Ghumarwin and fittings shall be used by the contractor at his amount.

10 NO deviation will be allowed.

11 Vibrator and mechanical mixture shall be in variably used for RCC work.

12 The sand shall be used from approved quarry.

13 5% payment shall be with held in addition to security till sucessful testing.

14 1% labour cess will be deducted from the bill of contractor.

15 The firm /Contractor shall submit the copy of valid EPF No. at the time of tender otherwise the same shall be straightway rejected.

16 No payment shall be made to contractor if he fail to provide EPF
account No. and shall contribute regularly in respective UAN No. of
denloved labour.

Executive Engineer,
I&PH Division
Ghumarwin.