

\*SCHEDULE OF QUANTITY \*

Estimated cost:- Rs. 324437.00

Name of work:- Augmentation and improvement of water supply scheme Holta Banuri Saliana in Tehsil Palampur District Kangra(HP).  
(SH)Construction of boundary wall to protect the water treatment plant.

Earnest money:- Rs. 6490.00

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
1	Excavation in foundation trenches etc.in earth work in all kinds of soil such as pick work,jumper work,blasting in soft and hard rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking the excavated soil not more than 3 metre clear from the edge of excavation and then returning the stacked soil in 15 centimetre (Fifteen centimetre)layer when required into plinth sides of foundation etc.consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed by the Engineer-in-charge within all leads and lifts.	47.09			Per cubic metre	
2	Providing and laying cement concrete 1:6:12 (One cement is to six sand is to twelve graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer:-in:-charge.	9.41			Per cubic metre	
3	Random rubble masonry/polygonal rubble masonry (Uncoursed/brought to courses with hard stone of approved quality in foundation and plinth including levelling up with cement concrete 1:6:12)One cement is to six sand is to twelve graded stone aggregate 20 milimetre nominal size) in cement mortar 1:6 (One cement is to six sand) in breast wall/retaining walls within all leads and lifts as per the direction of Engineer-in-charge.	31.37			Per cubic metre	
4	2nd class brick work using common burnt clay building brick in superstructure above level plinth in cement mortar 1:6 (One cement is to six sand) with in all leads and lifts as per the direction of Engineer-in-charge.	36.43			Per cubic metre	
5	Fixing of fencing panel of size 6'x4(1.80x1.20 metre) including masonry pillars and bore wall etc. panel are made of wire mesh of 10 gauge wire and size of mesh 30mm x90 mm welded in 6'.0x4'.0 M.S. pipe frame of 32 milimetre concreting pillars and walls A-11 joint of pipe and wire mesh welded with pipe framme painted with two coats of red oxide primer as per direction and to the entire satisfaction complete within all leads and lifts as per the direction of Engineer-in-charge.	70.00			Each	
6	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 lead paint in gratings,framed guard bars,ladders,railing,brackets and similar type of work within all leads and lifts as per the direction of Engineer-in-charge.	265.00			Per Quintal	

Terms and conditions:-

- Cement will be issued @ Rs.303/-per bag from Divisional store Differpat.
- Nothing shall be paid for the rejected work/material.
- The work shall be completed with in stipulated period.
- Crushed stone aggregate shall be used.
- Steel shuttering shall be used at site of work.
- The work should be carried out as per specifications.
- The contractor shall be responsible for watch and ward of material issued to him and in case of any theft or loss. The recovery shall be made @ double cost of store issue rates.

**\*SCHEDULE OF QUANTITY \***

Estimated cost:- Rs. 660000.00

Name of work:- Augmentation of water supply scheme Kothi Pahra in Tehsil Palampur District Kangra(HP).  
(SH)Construction of over head storage reservoir of 30,000 litre capacity 10 metre staging height.

Earnest money:- Rs. 13200.00

Time :- Three months

Sr. No.	Description of items	Qty.	Rate in Figure	Words	Unit	Amount
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1 Design and Construction of reinforcement cement concrete circular over head water storage tank of 30,000 litre capacity with 10.00 metre staging height including cost of excavation, site development. Cost of construction material, necessary arrangement of inlet, outlet, overflow and scour pipe alongwith sluice valves and other fixtures, developent of site and carriage of material within all leads and lifts. **The design and drawings shall be got approved from competent authority before execution.**  
The water reservoir should comprise of followings:-

30000.00  
litre

Per  
litre

- 1 Inlet pipe shall be provided by the department,however the Contractor/Firm shall have to make arrangements for connection the same with the tank.
- 2 Providing and fixing of atleast 2 number manholes with C.I covers 500 milimetre internal dia metre total weight of cover and frame to be not less than 116 Killogramme (Medium duty). The weight of cover and frame to be 58 Killogramme each.
- 3 Cast iron ventilating pipe 150 milimetre dia with cowl and mosquito proof cover of sufficient length and
- 4 R.C.C spirial stairs of 75 centimetre width including railing of G.I pipe 40 milimetre dia (Medium class)
- 5 All inspection gallery of minimum width 75 centimetre shall be provided around the tank at the bottom ring
- 6 All other required accessories such as bell mouth,control valves of cast iron class PN-I one for each out let
- 7 All the fitting shall be embeded in the structure while the work is in progress. All connections shall be left out
- 8 The safe bearing capacity of the soil shall be got tested by the contractor, however for design purpose the
- 9 The work shall be carried out as per technical specification attached in the NIT and direction of Engineer in
- 10 All the pipe fittings, valves and other specials shall be ISI marked and confirm to relevent BIS codes and also
- 11 The scope of work shall included provision of puddle collars and housing chambers for sluice valves etc. as
- 12 Nothing shall be paid for the rejectred materials and/or for the work executed below specifications.
- 13 The contractor shall be responsible for the watch and ward of the materials at site of work.
- 14 The contractor shall dispose off all the surplus materials after the construction with in all leads of 200 metres
- 15 Only steel and/or plywood and/or timber shuttering lined with ply or iron sheets and/or plastic shuttering shall
- 16 Following mateials shall be issued to the contractor on the rates as shown against each item at IPH store

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**Note:-**

- a) Cement:- P.P.C Rs.303/- per bag Two hundred thirty four) only per bag at IPH store Differpat.
- b) Steel will be issued @ Rs 4800/-per quantal (Rs.Four thousand seven hundred only) at IPH store Differpat.
- c) Crushed aggregate of good quality should be used.

Executive Engineer,  
I&PH Division,  
Palampur.



\*SCHEDULE OF QUANTITY \*

Estimated cost:- Rs. 745089.00

Name of work:- Construction of flow irrigation scheme Maniara Tappa & Jugehar in Tehsil Palampur District Kangra(HP).  
(SH)Construction of reinforcement cement concrete channel Maniara Branch form RD 0 to 250 and foot path crossing 2 numbers.

Earnest money:- Rs. 18680.00

Time :- Nine months

Sr. No.	Description of items.	Qty.	Rate in Figure	Words.	Unit	Amount.
1	Excavation in drain and channels etc. in all kinds of soil such as pick work,jumper work,blasting work soft and hard rock and saturated soil including dressing of sides and beds and disposing of excavated earth upto a lead of 20 metre and lift upto 1.50 metre within all leads and lifts as per the direction of Engineer-in-charge.	74.10			Per cubic metre	
2	Excavation in foundation trenches etc.in earth work in all kinds of soil such as pick work,jumper work,blasting in soft and hard rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking the excavated soil not more than 3 metre clear from the edge of excavation and then returning the stacked soil in 15 centimetre (Fifteen centimetre)layer when required into plinth sides of foundation	2.64			Per cubic metre	
3	Providing and laying cement concrete 1:4:8 (One cement is to four sand is to eight graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-charge.	27.50			Per cubic metre.	
4	Providing and laying cement concrete 1:6:12 (One cement is to six sand is to twelve graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer:-in-charge.	0.34			Per cubic metre.	
5	Providing and laying cement concrete 1:2:4 (One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced cement concrete in:-					
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	33.75			Per cubic metre	
(b)	Walls (any thickness) butt not less then 0.10 metre thickness) attached pillasters, buttresses, plinth and string courses etc. from top of foundation up to floor two level with in all leads and lifts as per the direction of Engineer-in-charge.	45.00			Per cubic metre	
(c)	Suspended floors,roofs landing shelves and their supports balconies beams,girders and cantilevers upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	0.460			Per cubic metre	
6	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30*30*5 milimetre so as to give a fair finish including centring,shuttering,strutting and propping etc. with wooden battens ballies,height of propping and centring below supporting floor two ceiling not exceeding 4 metre and removal					
a)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pillasters,buttreses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge	675.00			Per square metre	
b)	Flat surfaces such as soffits of suspended floors roofs landing and the like floor etc.upto 200 milimetre in thickness within all leads and lifts as per the direction of Engineer-in-charge.	1.60			Per square metre	
c)	Edges of slab and breaks in floor and walls under 20 centimetre in wide within all leads and lifts as per the direction of Enginee-in-charge.	4.80			Per running metre	
7	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1:6 (One cement is to six sand) within all leads and lifts as per the direction of Engineer-in-charge	1.12			Per cubic metre	

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| 8 | Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge. | 2797.67                                    |
| 9 | Providing & laying P.V.C. water stop seal 230x6 mm thick 20 metre center to center of expansion cum construction joint within all leads and lifts as per the direction of Engineer-in-charge.  | Killo-gramme.<br>35.00<br>running<br>metre |

Per  
Killo-  
gramme  
Per  
running  
metre

Terms and conditions:-

- a) Cement will be issued @ Rs.303/-per bag from Departmental Divisional store Differpat.
- b) Steel will be issued @ Rs.4800/-per quintal to the contractor from Divisional store.
- c) Crushed stone aggregate and mechanically mixture concrete shall be used.
- d) The work shall be completed with in stipulated period.
- e) Required No. of test cubes of cement concrete 1:2:4 (1 cement:2 sand:4 graded stone agg. of 20 mm nominal size) from site shall be collected for random testing of their compressive strength at 28 days as per
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender from must be signed before submitting the tender falling which the tender is liable to
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction of
- i) The security, income tax, G.S.T and labour welfare cess if any shall deducted from each running bill of the contractor/firm as applicable.
- j) All necessary documents such as income tax clearance certificate, renewal of registration, CST/GST nos shall have to be produced by the contractor/firm before purchase of tender documents.
- k) The offer shall be valid fore 120 days from the date of the opening of the tender.
- l) The rate of all item should be inclusive of all taxes, duties, levies, carriage of material within all leads and lifts etc. to site of work.
- m) Any damages caused to any public and private property during the course of execution of work shall be restored by the contractor and if, not done within a reasonable time then the same shall be restored by the
- n) Nothing shall be paid for the rejected work/material.
- o) The contractor shall be fully responsible for watch and ward of material at the site of work.