

*** SCHEDULE OF QUANTITY ***

Name of work:- Providing water supply scheme Sunpur Mandhole, Khalenu in Tehsil Baijnath District Kangra(HP).
(SH)Construction of reinforcement cement concrete under ground storage tank of 40000 litres capacity.

Estimated cost:- Rs. 240252.00
Earnest money:- Rs. 4810.00
Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure	Words.	Unit	Amount.
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.	15.11			Per cubic metre	
2	Providing and laying cement concrete 1:3:6 (One cement is to three sand is to six 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.	1.96			Per cubic metre	
3	Providing and laying cement concrete 1:11/2:3(One cement is to one and half sand is to three graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work 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.	3.93			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.	9.70			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.	0.640			Per cubic metre	
(d)	Arches upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	1.520			Per cubic metre	
4	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30x30x5 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 of the same for in-situ-reinforced concrete and plain concrete work in :-					
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.	93.99			Per square metre	
5	Providing form work of ordinary timber planking so as to give a rough finish including centring,shuttering,strutting and propping etc.height of propping and centring below supporting floor to ceiling not exceeding 4 metrre and removal of the same for in-situ-reinforced concrete and plain concrete work in:-					
a)	Arches beyond 6.00 metre span within all leads and lifts as per the direction Enginner-in-charge.	15.26			Per square metre	

6	Providing in reinforcement cement concrete work smooth finishing of the exposed surface with cement mortar 1:3 (one cement to 3 sand) within all leads and lifts as per the direction Engineer-in-charge.	93.99 square metre	Per square metre
7	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.	779.45 Killo- gramme.	Per Killo- gramme
8	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.	0.58 Quintal	Per Quantal
9	Laying and jointing in trenches galvanised mild steel tubes, tube fitting (Light grade) of various dia. (Earth work in trenches to be measured and paid for separately) within all leads and lifts as per the direction of Engineer-in-charge. a) 100 milimetre dia.	24.00 running metre	Per running metre
10	Providing and fixing cast iron sluice valve (Scour valve) of Kirloskar make with hand wheel of following dia and flange table with flange as per IS-780 class upto 300 milimetre dia (including brass spindle) as per IS:2906 class-II for diametres more than 300 milimetre dia complete with bolts, nuts, rubber insertion etc. (The tail end pieces if required shall be measured and paid for separately) within all leads and lifts as per the direction of Engineer-in-charge. a) 100 milimetre dia.	4.00 number	Each
11	Construction of chamber for sluice valve with C.I. surfaces bex 100 milimetre top dia 160 milimetre bottom diametre and 180 milimetre deep with chained lid and reinforcement cement concrete top slab 1:2:4 (One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) 120 milimetre thick foundation bes concrete 1:5:10 (One cement is to five sand is to ten graded stone aggregate 40 milimetre nominal size) and in side cement plastering 1:3 (One cement is to three sand) finished with a floating coat of neat cement including curing complete with 300 milimetre thick wall of squared rubble masonry with hard stone of approved quality in cement mortar 1:6 (One cement is to six sand) as per the direction of Engineer-in-charge within all leads and lifts size 600x600x750 with 150 milimetre thick wall of reinforcement cement concrete 1:2:4.	2 Number	Each
12	Manufacturing, fabrication & fixing of M.S. man hole cover of 0.60x.60 m size made of M.S. Sheet 2.0 mm thick with M.S. angle 35x35x5mm thick with hinges one side and sliding door bolt for locking arrangement i/c cutting, welding and priming & Painting two coats of anamel paint sky complete in all respect to the entire satisfaction of the Engineer-in-charge.	2 Number	Each

Terms and conditions:-

- a) Cement will be issued @ Rs.303/- per bag from Divisional store Differpat.
- b) Steel will be issued @ Rs.4800/- per quintal to the contractor from Divisional store Differpat.
- c) G.I. pipe will be issued free of cost to the contractor from Divisional store Differpat.
- d) The work should be carried out as per specifications.
- e) Nothing shall be paid for the rejected work/material.
- f) Crushed stone aggregate shall be used.
- g) Concrete mixing shall be done with mechanical mixture.
- h) Vibrator shall be used at the time of concreting.
- i) The excavation shall cover all type of soil and rocks involved at site including cutting by chieselling where involved. No blasting will be permitted.
- j) The outlet pipe shall be placed 15 centimetre above the floor level to provide a space for sediments to settle. The

outlet pipe shall be provided with a strainer of perforated cast iron.

- k) Royalty, sales tax, octroi etc. will be born by the contractor and proof there os shall have to be given without which no payment shall be done.
- l) The contractor shall be fully responsible for watch and ward of material at the site of work and in case of any theft or loss the recovery shall be made at the double cost of store issue rates.
- m) The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- n) The work shall be completed with in stipulated period.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 283883.00

Name of work:- Construction of Flow Irrigation Scheme Garuhl kuhl in Gram Panchayat Banuri, Holta, Banuri Khas, Moli chak and Band Vihar in Tehsil Palampur District Kangra (HP).

Earnest money:- Rs. 5680.00

(SH) Construction of reinforcement cement concrete channel from RD 5170 to 5290=120, C/O 2 Nos outlet).

Time :- Six months

Sr. No.	Description of items.	Qty.	Rate in Figure	Words.	Unit	Amount.
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	4.32			Per cubic metre	
2	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 earthwithin all leads andn lifts as per direction of Engineer-in-charge.	20.70			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 within all leads and lifts as per the direction of Engineer-in-charge.	8.46			Per cubic metre	
4	Providing and laying cement concrete 1:1½:3(One cement is to one and half sand is to three graded stone aggregate 20 milimetre nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in					
a)	Foundation footings basis of columns and mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	13.80			Per cubic metre	
b)	Walls (any thickness) but not less then 0.10 metre thickness) attached pillasters, buttreses plinthand string courses etc from top of foundation up to floor two level within all leads and lifts as per the direction of Engineer-in-charge.	15.00			Per cubic metre	
5	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30x30x5 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 of the same for					
a)	Verticle 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.	270.00			Per square metre	
6	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.	1080.00			Killo-gramme.	
7	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth inlcuding raking 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.	2.86			Per cubic metre	
8	20 milimetre(twenty milimetre) thick cement concrete topping 1:2:3 (one cement is to two to three graded stone aggregate of sizxe 4.75 milimete below by volume)laid over and finished monolithic with base concrete within all leads and lifts as per the direction of Engineer-in-charge.	3.60			Per square metre	

9	15 milimetre(fifteen milimetre)thick cement plaster in single coat on rough side of brick/stone masonry for interior plastering upto floor two level including arrises internal rounded angles chamfers and/or rounded angles not exceeding 80 milimetre in girth and finished even and smooth in cement mortar 1:3(One cement is to three	6.60 square metre	Per square metre
10	Providing and laying P.V.C. water stop seal 230x6mm thick 20 metre center to center of expansion cum construction joint within all leads and lifts as per the direction of Engineer-in-charge.	8.40 running metre	Per running metre
11	Providing and fixing ;mild steel plates for 90 V-Notch and gates within all leads and lifts as per the direction of Engineer-in-charge.	19.60 Killo- gramme.	Per Killo gramme

Terms and conditions:-

- a) Cement will be issued @ Rs. 303/- per bag from Departmental Divisional store Differpatt.
- b) Steel will be issued @ Rs. 4800/- per quintal to the contractor from Divisional store Differpatt.
- c) Crushed stone aggregate shall be used.
- d) The work shall be completed within stipulated period.
- e) Required No. of test cubes of cement concrete 1:2:4 (1 cement: 2 sand;4 graded stone agg. Of 20mm nominal
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender form must be signed before submitting the tender falling which the tender is liable to be
- h) The work shall be executed as per IPH/HPWD specificatin and relevant IS codes to the entire satisfaction of the
- i) The security, income tax, sale tax and surcharge and labout welfare cess if any shall be deducted from each
- j) All necessary documents such as income tax clearance certificate, renewal of registration.CST/GST nos shall
- k) The offer shall be valid for 120 days from the date of the opening of the tender.
- l) The rate of alla item should be inclusive of all taxes, duties, levies, carriage of material within all leads and lifts
- m) Any damages caused to any public and privat property dring the course of execution of work shall be restored
- 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.

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