

\* SCHEDULE OF QUANTITY \*

Estimated cost:- Rs. 235302.00

Name of Providing water supply scheme to Harijan Basti in village Maila, Molag Upper, Haloon Kalan under LWSS Sari Molag in Tehsil Jaisinghpur District Kangra(HP).  
(SH)Construction of reinforcement cement concrete main reservoir of 27,500 litres capacity.

Earnest money:- Rs. 4710.00

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.	80.18 cubic metre			Per cubic metre	
2	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.	1.520 cubic metre			Per cubic metre	
3	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)	Edges of slab and breaks in floor and walls under 20 centimetre in wide within all leads and lifts as per the direction of Engieer-in-charge.	13.82 running metre			Per running metre	
b)	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.	78.04 square metre			Per square metre	
c)	Sides and soffits of beams, beam hunchings, cantilivers girders, bressumers and lintels not exceeding 1 metre in depth within all leads and lifts complete in all respect as per the entire direction of Engineer-in-charge.	7.44 square metre			Per square metre	
4	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 metrrre and removal of the same for in-situ-reinforced concrete and plain concrete work in:-					
a)	Arches not exceed 6.00 metre span within all leads and lifts as per the direction Enginner-in-charge.	17.59 square metre			Per square metre	
5	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.	1.52 cubic metre	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.	7.80 cubic metre	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.	1.85 cubic metre	Per cubic 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.	1005.30 Killo- gramme.	Per Killo- gramme
7	Manufacturing, febrication & 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.	1 Number	Each
8	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.	30.00 running metre	Per running metre
9	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.	3.00 number	Each
10	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.	1.00 Quintal	Per Quantal
11	Providing and fixing double flanged puddle collars for making connection with reinforcement cement concrete walls of following dia within all leads and lifts as per the direction of Engineer-in-charge.		
	a) 100 milimetre dia.	3 Number	Each
12	Construction of chamber for sluice valve with C.I.surfaces bex 100 milimetre top dia 160 milimetre bottom diameter 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	3 Number	Each

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.

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|----|--|--------------------------|------------------------|
| 13 | Manufacturing, fabrication & fixing of mosquito proof ventilation 800 mm height and 300 mm dia cover with dome roofing of M.S. sheet 2 mm thick , G.I mesh along circumfrences and supported on 0.25x5 mm thick including cutting, welding and priming & painting two coats of anamel paint sky blue complete in all respect to the entire satisfaction of the Engineer-in-charge. | 1<br>Number              | Each                   |
| 14 | Finishing wall with water proofing cement paint (Apex altima) of approved brand and manufacture and of required shade on undecorated wall surface(two coats)to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials within all leads and lifts as per the direction of Engineer-in-charge.                          | 60.23<br>square<br>metre | Per<br>square<br>metre |

**Terms and conditions:-**

- a) Cement will be issued @ Rs.275/-per bag from Divisional store Differpat.
- b) Steel will be issued @ Rs.4000/- 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,octrai 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. 375774.00

Name of Providing lift water supply scheme to PC habitation of census village Chhek & Simble work:- in Tehsil Baijnath District Kangra(HP).

Earnest money:- Rs. 7520.00

(SH)Construction of intake Chamber & under ground tank 100000 litres capacity at Node no. 1.

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	161.72			Per cubic metre	
2	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.	4.68			Per cubic metre	
3	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					
a)	Edges of slab and breaks in floor and walls under 20 centimetre in wide within all leads and lifts as per the direction of Engieer-in-charge.	23.25			Per running metre	
b)	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.	153.51			Per square metre	
c)	In side and soffits of beams, beam haunchings, cantilevers, bressumers and lintels not exceeding one metre in depth in all height from floor within all leads and lifts as per the direction of Engineer-in-charge.	13.72			Per square metre	
4	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 metre and removal of the same for in-situ-reinforced concrete and					
a)	Arches beyond 6.00 metre span within all leads and lifts as per the direction Enginner-in-charge.	32.67			Per square metre	
5	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.	4.11			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.	15.14			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.	5.48			Per cubic 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	2225.52			Per Killo-	

	lifts as per the direction of Engineer-in-charge.	gramme.	gramme
7	Providing and fixing cement precast man hole cover with frame 0.60 x 0.60 metre size. (Heavy duty) within all leads and lifts as per the direction of Engineer-in-charge.	1 Number	Each
8	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 a) 100 milimetre dia.	30.00 running metre	Per running metre
9	Providing and fixing cast iron sluice valve (Scour valve) 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 a) 100 milimetre dia.	3.00 number	Each
10	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	1.00 Quintal	Per Quantal
11	Providing and fixing double flanged puddle collars for making connection with reinforcement cement concrete walls of following dia within all leads and lifts as per the direction of Engineer-in- a) 100 milimetre dia.	3 Number	Each
12	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	3 Number	Each
13	Providing and fixing mosquito proof ventilator 100 mm dia 1 metre hight with cast iron cowl within all leads and lifts as per the direction of Engineer-in-charge.	1 Number	Each
14	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on undecorated wall surface(two coats)to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials within all leads	114.02 square metre	Per square metre

**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,octrai 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. 323342.00

Name of Annual repair and maintenance of water supply scheme Menjha Pharer in Tehsil  
work:- Palampur District Kangra(HP).

Earnest money:- Rs. 6470.00

(SH)Repair of main storage tank and its water proofing at Bandla.

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure	Time Words.	Unit	Amount.
1	Repair of voids, cracks, filling up with shuttering plates, joints after opening them with pach fix concrete, polymer modified mortar after applying pheomix 141, a bounding agent and reinforcing with glass fibre mesh after applying bounding agent in all joint plate size 1.20 x 0.80 complete within all leads and lifts as per the direction of Engineer-in-charge	336.37			Per running metre	
2	Pressure grouting with nozzlecomplete within all leads and lifts as per the direction of Engineer-in-charge	2240.00			Each	
3	Watern proofing (I) CWP for negative pressure (II) flexible two component acrilic polymer cottings complete within all leads and lifts as per the direction of Engineer-in-charge.	430.01			Per square metre	
4	Plaster on entire area in cement motor 1:3 (one cement : 3 sand) mixed with resron 35 (cut fibre) complete within all leads and lifts as per the direction of Engineer-in-charge.	430.01			Per square metre	
5	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.	2.23			Per cubic metre	

Terms and conditions:-

- Cement will be issued @ Rs.303/-per bag from Divisional store Differpat.
- Crushed stone aggregate shall be used.
- The work shall be completed with in stipulated period.
- Nothing shall be paid for the rejected work/material.
- The work should be executed as per IPH specification/ as per recommendation of CPHEEO manual of water supply latest edition.
- 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.