

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 237391.00

Name of work:- Providing water supply scheme to schedule caste habitation Maila Molag in Tehsil Jaisinghpur District Kangra(HP).

Earnest money:- Rs. 4750.00

(SH. Replacement of filter media in filter bed 1 unit)

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
1	Removal of silt/old existing filter media from filter beds and disposing of the same as per the direction of Engineer-in-Charge within all leads and lifts.	62.80 cubic metre			Per cubic metre	
2	Providing and placing precast concrete block in cement concrete 1:2:4 (One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) with reinforcement cement concrete with in all leads and lifts as per the direction of Engineer-in-charge.	3.77 cubic metre.			Per cubic metre	
3	Providing and placing new filter media in horizontal layers filtering media dully graded,screened,washed and cleaned as specified below as per the direction of Engineer-in-charge within all leads and lifts.					
a)	Top layer:- Find sand(Eff.size 0.20 milimetre to 0.40 milimetre and uniformity co-efficient 2.00 to 3.00.	37.68 cubic metre			Per cubic metre	
b)	Second layer:- Coursed sand screened cleaned washed and graded from 3 milimetre to 6 milimetre.	5.02 cubic metre			Per cubic metre	
c)	Third layer:- Bajri coursed washed screened and graded from 6 milimetre to 20 milimetre.	5.02 cubic metre			Per cubic metre	
d)	Fourth layer:- Bajri coursed screened washed and graded from 20 milimetre to 25 milimetre	5.02 cubic metre			Per cubic metre	
e)	Bottom layer:- Broken stone screened washed and graded from 50 milimetre to 75 milimetre	7.54 cubic metre			Per cubic metre	

Terms and conditions:-

- Work should be carried out as per specifications.
- Nothing shall be paid for the rejected work/material.
- The work should be completed with in stipulated period.
- Before placing the filter media in filter bed, the sieve analysis of sand shall be got done by the contractor/firm at his own cost from approved agency for which nothing extra shall be paid.
- Fine sand should be used of approved quality.

***SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 355124.00

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

Earnest money:- Rs. 7110.00

(SH)Construction of main reservoir 100000 litres capacity at Node no. 1.

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure	Time 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	159.03			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-	4.30			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					
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 Enginee-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.	143.07			Per square metre	
c)	Beams, cantilevers,girder and linter sides and soffits of beams cantilevers girder, bressumers and lintel not exceeding one meter in depth in all heights 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 metrrre and removal of the same for in-situ-reinforced concrete					
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.	3.96			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.	14.31			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 lifts as per the direction of Engineer-in-charge.	2137.50 Killo-gramme.	Per Killo-gramme
7	Providing and fixing SFRC man hole cover with frame . The weight of cover and frame should not less than 100 Killogramme within all leads and lifts as per the direction of Engineer-in-	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 a) 100 milimetre dia.	30.00 running metre	Per running metre
9	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 IS:2906 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	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- 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	3 Number	Each
13	Providing and fixing mosquito proof ventilator 400 mm dia & 300mm dia 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	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) The work should be carried out as per specifications.
- d) Nothing shall be paid for the rejected work/material.
- e) Crushed stone aggregate shall be used.
- f) The work should be completed within the stipulated period.
- l) The contractor shall be responsible for watch and ward of material in case of any theft or loss the recovery shall be made at the double cost issue rates.

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 492714.00

Name of work:- Construction of Flow Irrigation Scheme Maniara Tappa & Jughar in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 9860.00

(SH)Construction of retaining wall).

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	76.92			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					
b)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pillars,buttreses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge.	146.13			Per square metre	
3	Providing and laying cement concrete 1:5:10 (1 cement: 5 sand: 10 graded stone aggregate 40 milimetre nominal size) with 15% plum and curing completed excluding the cost of form work in retaining walls/breast wall, the size of plum shall usually be 150 milimetre to 300 milimetre as	121.50			Per cubic metre	

Terms and conditions:-

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

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 264625.00

Name of work:- Improvement and extension of lift irrigation scheme Tikkari Sagoor in Tehsil Baijnath District Kangra (HP).

Earnest money:- Rs. 5300.00

(SH) Construction of wire crate for diversion weir).

Time :- Three months

Sr.	Description of items.	Qty.	Rate in	Unit	Amount.
No.			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 and then disposing of all	37.50		Per cubic metre	
2	Wire crates made of galvanisaed iron wire filled with boulders with square cut faces against the wire. (Boulder filling to be measured and paid for separately). Galvanised iron wire 5 milimetre thick corressponding to SWG-6 (25 cebtunetre x7.5 centimetre mesh) within all leads and lifts	117.19		Per square metre	
3	Wire crates made of galvanisaed iron wire filled with boulders with square cut faces against the wire. (Wire crates to be measured and paid for separately) within all leads and lifts as per the direction of Engineer-in-charge.	562.50		Per square metre	

Terms and conditions:-

- a) The rates are inclusive of carriage of all material to the site of work in all leads and lifts.
- b) The work shall be completed within the stipulated period.
- c) Crushed stone aggregate shall be used.
- d) The work should be carried out as per specifications.
- e) Nothing shall be paid for the rejected work/material.
- f) The contractor shall be responsible for watch and ward of material at the site of wlrk and in case of any theft or loss the recovery shall be made at the double cost of store issue rates.
- g) Royalty, sales tax, octral etc. will be borne by the contractor Aand proof there so shall have to be given without which no payment shall be done

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 317871.00

Name of work:- Restoration of rain damages to Lift water supply scheme Sakri Bahi in Tehsil Baijnath District Kangra(HP).

Earnest money:- Rs. 6360.00

(SH)Construction of pump house.

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure	Time 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	8.54			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:-	2.57			Per cubic metre	
3	Square rubble masonry coursed with hard stone of approved quality in foudnation and plinth including racking out joints in cement mortar 1:4 (One cement is to four sand) walls within all leads and lifts as per the direction of Engineer-in-charge.	10.65			Per cubic metre	
4	Providing and laying damp proof course 38 milimetre (Thirty eight milimetre) with cement concrete 1:2:4 (One cement is to two saznd is to four graded stone aggregate 12.5 milimetre nominal size and curing complete with in all leads and lifts as per the direction of Engineer-in	5.99			Per square metre.	
5	Applying a coat of hot bitumen (Mexphalt 80/100 or equivalent) using 1.70 Killogramme per squaremetre on damp proof cours after cleaning the surface with a piece of cloth lightly soaked with kerosene with in all leads and lifts as per the direction of Engineer-in charge.	3.93			Per square metre.	
6	1st class (First class) brick work using common burnt clay building brick in foundation and plinth in cement mortar 1:4 (One cement is to four sand) with in all leads and lifts as per the direction of Engineer-in-charge.	15.36			Per cubic metre	
7	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					
a)	Flat surfaces such as soffits of suspended floors,roofs,landings and the like floors etc.upto 200 milimetre in thickness within all leads and lifts as per the direction of Engineer-in-charge.	30.43			Per square metre	
8	Providing and laying cement concrete 1:2:4 (One cement is to two sand is to four graded stone					
a)	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.	3.10			Per cubic metre	
9	Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and plaing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	279.00			Per Killogramme	
10	Filling in plinth with sand under floor including watering, ramming, consolidating and dressing within all leads and lifts as per the direction of Engineer-in-charge.	2.43			Per cubic metre	
11	Boulder filling under floor including carriage of material within all leads and lifts as per the direction of Engineer-in-charge.	2.43			Per cubic metre	

12	40 milimetre(Forty milimetre)thick cement concrete flooring 1:2:4(One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) laid in one layer and finished with a floating coat of neat cement within all leads and lifts as per the direction of Engineer-in-charge.	16.20 square metre	Per square metre
13	Providing wood work in frames and doors, windows, clearstory windows and other frames wrought framed and fixed in position 1st class Deodar wood) within all leads and lifts as per the direction of Engineer-in-charge.	0.24 cubic metre	Per cubic metre
14	Providing and fixing 40 milimetre thick panelled, glazed or pannelled and glazed shutters for doors, window and clearstory window including bright finished/black enamelled iron but hinges with necessary screws in 2nd class deodar wood with in all leads and lifts as per the direction	8.37 square metre.	Per square metre
15	Providing and fixing wire gauge shutters using galvanised mild steel wire gauge of IS gauge designation No. 85G with entire dia 0.56 milimetre for door, windows and clearstory windows including bright finished black enamelled iron hinges with necessary screws 30 milimetre thick	8.37 square metre.	Per square metre
16	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	47.52 square metre	Per square metre
17	6 milimetre (Six milimetre) thick cement plaster to ceiling in cement mortar 1:3 (One cement is to three sand) within all leads and lifts as per the direction of Engineer-in-charge.	16.20 square metre	Per square metre
18	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil grease, dirt dust and other foreign matter sand papering and knotting with ready mixed paint brushing wood primer pink with in all leads and lifts as per	37.66 square metre	Per square metre.
19	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stoping with enamel paint other than white with in all leads and lifts	37.66 square metre	Per square metre.
20	White washing with lime on undecorated wall surfaces two coats to give an even shade including thoroughly/brooming the surface to remove all dirt dust mortar dirt and other foreign matter within all leads and lifts as per the direction of Engineer-in-charge.	63.72 square metre	Per square metre
21	Distemping two coats with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also	47.52 square metre	Per square metre
22	Providing and fixing mild steel grills of required pattern in wooden frames of windows etc. mild steel flats square or rounded bars with required bolts and nuts or by screws plain grill within all leads and lifts as per the direction of Engineer-in-charge.	160.00 Killo-gramme.	Per Killo-gramme
23	Providing plinth protection 50 milimetre thick in cement concrete 1:3:6(One cement is to three sand is to six graded stone aggregate 20 milimetre nominal size)including finishing the top surface of concrete smooth within all leads and lifts as per the direction of Engineer-in-charge.	4.86 square metre	Per square metre.
24	Providing and fixing aluminium tower bolts (barrel type bolts) with screws etc. complete with in all leads and lifts as per the direction of Engineer in charge. a) 250x10 milimetre.	24 Number	Each
25	Providing and fixing aluminium handles anodized to required colour of shade with necessary screws etc. complete with in all leads and lifts as per the direction of Engineer in charge. a) 125 milimetre.	16 Number	Each
27	Providing and fixing mild steel fan clamp type 1 of 16 mm dia M.S. bar bent to shape with hooked ends in reinforcement cement concrete slab during laying including painting the exposed portion of loop as per standard design with in all leads and lifts as per direction of	1 Number	Each
28	Providing and fixing anodized aluminium sliding door bolts with nuts and screwed complete with in all leads and lifts as per direction of Engineer in charge. a) 250x16 milimetre.	1 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) Crushed stone aggregate and mechanically mixture concrete shall be used.
- d) The work shall be completed within the stipulated period.
- e) Required No. of test tubes of cement concrete 1:2:4(1 cement 2 sand 4 graded stone agg. 20mm nominal siz) from sit shall be collected for random testing of their compressive strength
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender form must be signed before submitting the tender failling which the
- h) The work shall be executed as per IPH/HPPWD specification and relevant IS codes to the
- i) The security, income tax, sale tax and surcharge and labour welfare cess if any shall deducted
- 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
- k) The offer shall be valid for 120 days from the date of the opening of the tender.

- l) The rate of all item should be inclusive of all taxes, 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
- 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.