

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs 312832.00

Name of work:- Construction of Flow Irrigation Scheme Simblu Samriyal Kuhl in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs 6260.00

(SH) Construction of cement concrete lining from RD 0 to 86 running metre).

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
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 within all leads and lifts as per the direction of Engineer-in-Charge.	27.90 cubic metre			Per cubic metre	
2	Dressing of bed and preparation of sub grade lining in all kinds of soil within all leads and lifts as per the direction of Engineer-in-Charge.	111.80 Square metre			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.	8.39 Cum			P/Cum	
4	Providing and laying cement concrete 1:2:4(One cement is to two sand is to four graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete in					
a)	Foundation, footing bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	14.19 Cum			P/Cum	
b)	Walls (any thickness) but not less than 0.10 metre thickness)attached pillasters,buttresses plinth and string courses from top of foundation upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	19.35 Cum			P/Cum	
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 in-situ-reinforced concrete and plain concrete work in :-					
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.	283.80 Cubic metre			Per cubic metre	
6	Providing ,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.	1341.60 Killo- gramme.			Per Killo- gramme	

Terms and conditions:-

- Cement will be issued @ Rs. 303/- per bag from Departmental Divisional store Differpatt.
- Steel will be issued @ Rs. 4800/- per quintal to the contractor from Divisional store Differpatt.
- Crushed stone aggregate shall be used.
- The work shall be completed with in stipulated period.
- Required No. of test cubes of cement concrete 1:2:4 (1 cement: 2 sand;4 graded stone
- Conditional and telegraphy tender are liable to be rejected.

- g) All pages of the tender form must be signed before submitting the tender failing which the tender is liable to be
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the
- i) The security, income tax, sale tax and surcharge and labour welfare cess if any shall be
- j) All necessary documents such as income tax clearance certificate, renewal of
- k) The offer shall be valid for 120 days from the date of the opening of the tender.
- l) The rate of all items should be inclusive of all taxes, duties, levies, carriage of material
- m) Any damages caused to any public and private property during the course of execution of
- 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.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs 367409.00

Name of work:- Annual repair and maintenance of Water Supply Scheme in Gram Paprola Khas, Kasba Paprola in Tehsil Baijnath District Kangra(HP).

Earnest money:- Rs 7350.00

(SH) Construction of reinforcement cement concrete storage tank of 85000 litres capacity).

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	23.89 cubic metre			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 within all leads and lifts as per the direction	3.22 Cum			Per Cubic metre	
3	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 in:-					
a)	Foundation footing and basis of column etc. and mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	6.43 Cubic metre			Per cubic metre	
b)	Walls (any thickness) but not less than 0.10 metre thickness)attached pillasters,buttresses plinth and string courses from top of foundation upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	15.31 Cum			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.	1.38 Cum			Per Cubic metre	
d)	Arches upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	3.35 Cum			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					
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.	153.06 Cubic metre			Per cubic 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 metres and removal of same for in-situ-					
a)	Arches 6.00 metre in span within all leads and lifts as per the direction of Engineer-in-Charge.	26.81 Square metre			Per Square metre	
6	Providing in reinforcement cement concrete work smooth finishing of the exposed surface with cement mortar 1:3 (1 cement 3 sand) within all leads and lifts as per the direction of Engineer-in-Charge.	153.06 Square metre			Per Square metre	

7	Providing ,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.	1762.65 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	0.69 Quantal	Per Quintal
9	Laying and jointing in trenches galvanised mild steel tubes,tube fitting(Light grade) of following dia.(Earth work in trenches to be measured and paid for separately)within all a) 80 milimetre dia.	6.00 running metre	Per running metre
	b) 100 milimetre dia.	15.00 running metre	Per running metre
10	Providing and supplying cast iron sluice valve of Kirloskar/Kartar/leader/Bir make of following diameter with hand wheel as per IS: 14846-2000 (Class PN-1.0) including brass spindal as per 2906-1984 complete w3ith nuts bolts and rubber insertion etc. a) 80 milimetre dia.	1.00 Number	Each
	b) 100 milimetre dia.	3.00 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-	2.00 Nos	Each
12	Providing and fixing 560 milimetre dia 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 Engineer-in-Charge.	2.00 Nos	Each

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) G.I. pipes 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 work should be completed with in the stipulated period.
- j) The contractor shall be responsible for watch and ward of material in case of any theft
- k) or loss the recovery shall be made at the double cost of store issue rates.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs 290126.00

Name of work:- Providing water supply scheme to Maranda in Gram Panchayat Bhangiar Ward No. 5 near Shamshan Ghat in Tehsil Palampur District Kangra(HP).
(SH) Providing and installation of 60 metre deep mini tube well at village Maranda)

Earnest money:- Rs 5810.00

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		

1	Transportation of suitable truck/tractor mounted where only road available DTH & ODEX/Percussion Calys/RC Drilling with portable rigs alongwith necessary accessories etc. to the site of work and erection of portable rig including levelling etc. complete in	1.00 Number	Each
2	Drilling tube well of 200mm/220mm dia as per IS 2800-1979 usijng percussion/calys/RC/ODEX method required for drilling in collapsible strata conglomerate, bounders, pebbles, sand gravels, silt, clay etc. including cost of attachments, extra casings, consumables stores, bits, water, POL, gravel pack in a space etc.complete in all respect as per the direction of Engineer-in-charge.	60.00 running metre	Per running metre
3 a)	Supplying and lowering of IS marked electric resistance welded MS pipe 175 mm dia nominal size housing 6.4 milimetre thickness conforming to IS-4270-2001 with upto date amendments if any 3 to 6 metre in length welded without any circumferential joints into bore hole in vertical position including cost of all scaffolding derricks,poles,clamps including cost of all cutting, threading and welding of pipes etc. complete in all respect as per the direction of Engineer-in-charge.	50.00 running metre	Per running metre
3 (b)	Supplying and lowering of IS marked electric resistance welded MS pipe 175 mm dia nominal size housing 6.4 milimetre thickness conforming to IS-4270-2001 with upto date amendments if any 3 to 6 metre in length welded without any circumferential joints into bore hole in vertical position including cost of all scaffolding derricks,poles,clamps including cost of all cutting, threading and welding of pipes etc. complete in all respect as per the direction of Engineer-in-charge.	10.00 running metre	Per running metre
4	Providing and fixing casing shoe for 175 milimetre dia MSERW pipe as per requirement of ODEX attachment complete in all respect as per the direction of	1.00 Number	Each
5	Development of site including levelling at site through all kinds of roads, approaches field etc. in all leads etc. in all leads and lifts complete in all respect as per the direction	1.00 Number	Each
6	Collection and preservation of soil samples in polythene bags complete in all respect as per the direction of Engineer-in-charge.	1.00 Number	Each
7	Development of tubewell and yield testing with air compressor through V notch and disinfection etc. complete in all respect as per IS 2800-1979 and as per the direction of Engineer-in-charge.	1.00 Number	Each
8	Development of tubewell aby continous over pumping method with VT pump/submersible pumps of suitable capacity not less than double the discharge esestablished by the compressor method/design discharge, untill the well is stand free	8.00 Hours	Per Hour

TERMS AND CONDITIONS:-

- a) The location where bores shall be drilled for providing tube well shall be got approved from the
- b) All arrangements for the transportation of drilling equipment to the site of work and operation i.e. Katcha tracks, approach road, water, electric light etc. If so required shall be made by the contractor
- c) The department shall be at full liberty to abandon a particular well. If the bore is abandoned to any reason i.e. on accuring hard rock strata, non availability of equipifier or any other reason, the contracors shall be paid only for drilling work. In this case the decision of the Engineer-in-charge shall be binding
- d) No payment shall be released untill discharge of the tube well is submitted duly certified by Hydrogeologist and Assistant Engineer concerned.
- e) A gold silver oil other material any relies antiques and other similar things may be found in or upon the site shall be property of the Govt. and contractor shall deliver the same to the persons appointed by
- f) The scope of the work can be increased and decreased by the Engineer - in-charge.
- g) The work shall be executed strictly in accordance with the IPH and ISI specification .
- h) Any damage done by the contractor to any public/private property during the course of
- i) All the taxes and other incidental charges shall be borne by the contractor and nothing shall be paid to him on this account.
- j) All extracted material available during the time of execution shall be stacked properly as desired by the
- k) Tubewell assembly shall be got approved from Engineer-in-charge duly recommended from the Sr.Hydrogeologist ground water organisation before lowering.
- l) Contractor shall be ensure un-intrupted execution of work.
- m) The firm contractor shall abide by the time schedule strictly and shall furnish fortnightly progress
- n) The contractor shall be responsible for the Govt. material issued to his for use on the work and shall maintain proper account of the same this will be open for inspection by the department officer at any
- o) The rates are inclusive of all types of classifications of soils and as such no claim in respect in the classification shall be accepted.
- p) The contractor shall obtain order in writing from the Engineer-in-charge about the site where surplus excavated material will be disposed off.
- q) The royalty charges of stone sand,aggregate etc. used shall be deducted from the bill of the contractor at the rates prescribed by Govt. of Himachal Pradesh from time to time on the basis of
- r) The contractor must taken all precautions to avoid accident by exhibiting day and night necessary caution boards speed limit boards, red flags, red light etc. He shall be responsible for all damages and
- s) The contractor shall give complete postal, telegraphic address in tender and also leave the copy of the same in the office of Executive Engineer. All correspondence telegram etc. sent on above mentioned
- t) All the rates give above for drilling,lowering and development of tube well include the cost of carriage, handling insurance and transportation charges of plants and material to the site of work and back
- u) The site shall be carried out by the contractor strictly in accordance with the attached in contract specifications and ISI specification as per IS-2800-Part-I-1991 IS 2800-Part-II 1979 and IS 8110-2000
- v) The contractor/firm or his authorised representative shall in persons see the proposed site for these works and study specification conditions before tendering.
- w) The contractor shall clear the site properly after the completion of the work withing 15 days failing which penalty @ Rs.500/-per day will be imposed for 1st fortnight and Rs.1000/- for each subsequent
- x) Tender document shall be submitted by the contractor in one lot (duly sealed) and subsequent correspondence before opening the tender shall not be entertained considered.
- y) The final payment shall be made to the contractor after handing over the tube well to entire satisfaction of Engineer-in-charge.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs 317470.00

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).
(SH)Construction of reinforcement cement concrete channel from RD 5020 to RD 5170 = 150.

Earnest money:- Rs 6350.00

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure	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	13.35		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	10.13		Per cubic metre	
3	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.	15.00		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.	18.75		Per cubic metre	
4	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				
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	337.50		Per square metre	
5	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.	1350.00		Per Killo-gramme	
6	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.	10.50		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				
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				
h)	The work shall be executed as per IPH/HPWD specification and relevant IS codes to				
i)	The security, income tax, sale tax and surcharge 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				
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				
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				