

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 368440.00

Name of work:- Construction of flow irrigation scheme Neuhai kuhl in gram panchayat Bharwana, Biara and Agojar in Tehsil Palampur District Kangra(HP).
(SH)Construction of reinforcement cement concrete channel from RD 1400/0/425 to 630 = 205 running metre. **(Branch No.3)**

Earnest money:- Rs. 7370.00

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 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.	23.80 cubic metre			Per cubic metre	
2	Dressing of bed and preparation of sub grade for lining in all kind of soil within all leads and lifts as per the direction of Engineer-in-charge.	174.25 square metre			Per square 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.	13.07 cubic metre.			Per cubic metre	
4	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.	17.94 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.	20.50 cubic metre			Per cubic metre	
5	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 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	389.50 square metre			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.	1537.50 Killo- gramme.			Per Killo-gramme	
7	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.	27.30 Killo- gramme.			Per Killo-gramme	

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 provision of BIS 456-2000 which shall be get tested from the lab of HPPWD of NIT
- 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 be treated as invalid.
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction of the Engineer-in-Charge.
- 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 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 Department at contractors cost.
- 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. 166250.00

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 near house of Shri Sikander Dadwal village Molichak at RD 3535/0 to 40 =40 running

Earnest money:- Rs. 3330.00

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
1	Dressing of side slopes and preparation of sub-grade for stone lining in all kinds of soil within all leads and lifts as per the direction of Engineer-in-Charge.	72.00			Per cubic metre	
2	Dressing of bed and preparation of sub-grade for stone lining in all kinds of soil within all leads and lifts as per the direction of Engineer-in-Charge.	58.00			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.	4.36			Per cubic metre	
4	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.	8.10			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.	10.80			Per cubic metre	
5	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					
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	156.00			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.	737.00			Per Killo-gramme.	

Terms and conditions:-

- Cement will be issued @ Rs.303/-per bag from Departmental Divisional store Differpat.
- Steel will be issued @ Rs.4800/-per quintal to the contractor from Divisional store.
- The work should be carrioued out as per specifications
- Nothing sdhall be paid for rejected work/material.
- Crushed stone aggregate and mechanically mixture concrete shall be used.
- The contractor shall beresponsible for watch and ward of material in case of any theft or loss the

***SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 310426.00

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

Earnest money:- Rs. 6210.00

(SH)Drilling/lowering of Mini tube well 60 metre deep at village Chobu.

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in Figure Words.	Unit	Amount.
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 leveling etc. complete in all respect as per the	1.00 Number		Each	
2	Development of site including levelling at site through all kinds of roads, approaches field etc. in all leads and lifts complete in all respect as per the direction of Engineer-in-charge.	1.00 Number		Each	
3	Drilling tube well of 200 mm/220 mm dia as per IS 2800-1979 using percussive/Calyx/RC/ODEX method required for drilling in collapsible strata conglomerate, boulders, pebbles, sand gravels, silt, clay etc. including cost of attachments, extra casings, consumables stores, bits, water, POL,	60.00 running metre		Per running metre	
4	Supply and lowering of IS marked electric resistance welded MS pipe 175 mm dia nominal size housing 6.4 mm thickness conforming to IS 4270-2001 with up to date amendments if any, 3 to 6 metres in length, welded without any circumferential joints into bore hole in vertical position	30.00 running metre		Per running metre	
5	Supply and lowering of IS-Marked electric resistance welded mild steel slotted pipe 175 milimetre dia nominal size housing, 6.4 mm thick having outside dia 193.70 mm screwed and	30.00 Number		Each	
6	Providing and fixing casing shoe for 175 mm dia MSERW pipe as per requirement of ODEX attachment complete in all respect as per the direction of Engineer-in-charge.	1.00 Number		Each	
7	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	
8	Development of tubewell and yield testing with air compressor through V notch and disinfection etc. complet in all respects as per IS 2800-1979 and as per the direction of Engineer-in-charge.	1.00 Number		Each	
9	Development of tubewell by continuous over pumping method with VT pump/submersible pumps of suitable capacity not less than double the discharge established by the compressor method/design discharge, until the well is stand free as per IS-11189-1985 up to date amendments if any,	8.00 hours		Per hours	

Terms and conditions:-

- The location where bores shall be drilled for providing tube well shall be got approved from the Engineer-in-charge.
- 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
- 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 equifier or any other reason, the contractors shall be paid only for drilling work. In this case the decision of the Engineer-in-charge
- No payment shall be released until discharge of the tube well is submitted duly certified by Hydrogeologist and Assistant Engineer concerned.
- 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 the Govt. from time to time.
- The scope of the work can be increased and decreased by the Engineer - in-charge.
- 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
- 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-interrupted 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
- 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
- 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
- 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
- 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-
- 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
- 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. 396311.00

Name of work:- Construction of water supply scheme to village Indernagar, Ropri, Dehru, Ummar, Gadiara in Tehsil Jaisinghpur District Kangra(HP).

Earnest money:- Rs. 7930.00

(SH)Construction of reinforcement cement concrete under ground tank 10000 litres capacity at node 8 Phase-Ist , C/O R.C.C. under ground tank 45000 litres capacity at node no. 85 and C/O intake chamber in Phase-2nd.

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	141.09			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.	4.230			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					
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.	37.62			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.	162.28			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.	12.52			Per square metre	
d)	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.	34.28			Per square metre	
4	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.	3.41			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.	15.01			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.	4.78			Per cubic 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.	2088.00			Per Killo-gramme	
6	Manufacturing, febrication & fixing of M.S. man hole cover of 0.60x.60 m size made of M.S. Sheet 2.0 mm	3			Each	

	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	Number	
7	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 a) 100 milimetre dia.	60.00 running metre	Per running metre
8	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 a) 100 milimetre dia.	6.00 number	Each
9	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.	2.00 Quintal	Per Quantal
10	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.	6 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-	6 Number	Each
12	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 suported on 0.25x5 mm thick	2 Number	Each
13	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	119.77 square metre	Per square 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.