

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 434577.00

Name of work:- Augmentation of flow irrigation scheme Gajruhal, Charnamati, Lower Baijnath, Jadhul, Rainki, Chaloti, Bhattu, Dhanag, Uttrela and Taras in Tehsil Baijnath District Kangra(HP).

Earnest money:- Rs. 8700.00

(SH)Construction of reinforcement cement concrete main channel from RD 1875 to 1990 =115 runningmetre and 1 No. V-Notch outlet).(Taras Kuhl) Job No. 7

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. a) 50% Pick work, 50% Jumper work	1.26 cubic metre			Per cubic metre	
2	Excavation in drain and channels etc. in all kinds of soil such as pick work,jumper work, including dressing of sides and beds and disposing of excavated earth within all leads and lifts as per the direction of Engineer-in-charge. a) 50% Pick work, 50% Jumper work	51.43 cubic metre			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) 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.	41.30 cubic metre			Per cubic metre	
4	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.	10.48 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	309.07 square metre			Per square metre	
6	50 milimetre Fifty milimetre) thick cement concrete flooring 1:2:4 (One cement is to two is to four graded stone aggregate 20 milimetre nominal size) laid over and finished with a floating coat of neat cement within all leads and lifts as per the direction of Engineer-in-charge.	0.36 square metre			Per square metre	

7	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1:4 (One cement is to four sand) within all leads and lifts as per the direction of Engineer-in-charge	0.73 cubic metre	Per cubic metre
8	20 milimetre (twenty 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 sand) within all leads and lifts as per the direction of Engineer-in-charge.	3.68 square metre	Per square metre
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.	0.11 Quintal	Per Quintal
10	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.	1445.53 Killo- gramme.	Per Killo- gramme
11	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.	12.94 running metre	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 compressive
- 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
- 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
- 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
- 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.
- p) The detailed structural/architectural design of head weir, escape structure and aqueduct shall
- q) The safe bearing capacity of the soil for all the Civil/Water retaining structure shall be got
- r) The contractor shall use vibrator/concrete mixer without any failure and in caase of any

***SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 295214.00

Name of work:- Construction of flow irrigation scheme Neuhal kuhl in gram panchayat Bharwana, Biara and Agojar in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 5910.00

(SH)Construction of reinforcement cement concrete channel from RD 3240 to 3360 =120 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 upto a lead of 20 metre and lift upto 1.50 metre within all	36.30			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.	114.00			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-	8.55			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					
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	14.40			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.	18.00			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					
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	276.00			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.	1296.00			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.	8.40			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.
- Crushed stone aggregate and mechanically mixture concrete 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 agg. of 20 mm nominal size) from site shall be collected for random testing of their compressive
- Conditional and telegraphy tender are liable to be rejected.
- All pages of the tender from must be signed before submitting the tender falling which the
- The work shall be executed as per IPH/HPWD specification and relevant IS codes to the
- 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.
- 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
- The offer shall be valid fore 120 days from the date of the opening of the tender.
- The rate of all item should be inclusive of all taxes, duties, levies, carriage of material within
- 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
- Nothing shall be paid for the rejected work/material.
- The contractor shall be fully responsible for watch and ward of material at the site of work.

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 317610.00

Name of work:- Providing Lift Irrigation scheme Gawal Dadin Rajal in Tehsil Baijnath District Kangra(HP).

Earnest money:- Rs. 6360.00

(SH) Construction of reinforcement cement concrete frame intake structure and sump well).

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in		Unit	Amount
			Figures	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 a) 50% Pick work, 15% Jumper work b) 70% Chiselling work	19.42 cubic metre 10.31 cubic metre			Per 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-	2.50 cubic metre			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					
a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	10.50 cubic metre			Per cubic metre	
b)	In column posts and struts within all leads and lifts as per the direction of Engineer-in-charge.	15.30 square metre			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.	27.00 square metre			Per square metre	
d)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pillasters,buttrses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge	69.30 square metre			Per square metre	
4	Providing and laying cement concrete 1:1 ¹ / 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					
a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	9.00 cubic metre			Per cubic metre	
b)	In column posts and struts upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	1.38 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.	3.22 cubic metre			Per Cubic metre	
d)	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.	7.17 cubic metre			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.	1485.88 Killo- gramme.			Per Killo- gramme	
6	Providing and steel beams ISMV 300 milimetre with 7.50 milimetre thickness complete in all respect as per the direction of Engineer-in-charge.	132.60 Killo- gramme.			Per Killo- gramme	

7	<p>Providing,laying,jointing and testing in trenches to be leveled to grades BIS marked MSERW flanged pipes of following dia meters conforming to as per IS:ISO 3183:2007 (latest with up to date amendments) of steel grade L-290, and capable with standing test pressure in a random length of 5.5 to 6.5 metre, including manufacturing reducer/tappers, all short pieces, bends etc. as per site requirement made from parent tubes. The layer of pipe shall also include welding of flanges joints welding in three years (Two inner one outer) and all opration such as cutting welding jointing, fabrication of nends, tees etc. and lowering need laying in excavated trenches to ensure required levbel complete in all respects to the best specifications of</p> <p>a) 250 milimetre dia</p>	6.00 running metre	Per running metre
8	<p>Providing and supplying of 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 with nuts bolts and rubber insertion etc. complete in all respect with in all lead and lift as per satisfaction of Engineer- in-charge.</p> <p>a) 250 milimetre dia</p>	1.00 Number	Each
9	<p>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</p> <p><u>Terms and conditions:-</u></p> <p>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) MSERW pipe will be supplied by the contractor himself 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) The work shall be completed with in the stipulated period. h) 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 of issue rates. i) Statement of length where pipe is not buried under ground due to rocky strata shall be attached with every bill for the inspect of Engineer-in-Charge.</p>	1.00 Number	Each

"SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 304471.00

Name of work:- A/R & M/O Water Supply Scheme Maranda Dehan in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 6090.00

(SH)Drilling/lowering of Mini tube well 60.00 metre deep). **(under Deposit work).**

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in		Unit	Amount
			Figures	Words		
1	Transportation of suitable truck/tractor mounted where only road available DTH & ODEX/Percussion Calyx/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	1.00 Number			Each	
2	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 of Engineer-in-charge.	1.00 Number			Each	
3	Drilling tube well of 200 mm/220 mm dia as per IS 2800-1979 using percussion/Calyx/RC/ODEX method required for drilling in collapsible strata conglomerate, boulders, pebbles, sand gravels, silt, clay etc. including cost of attachments, extra casings,	60.00 running metre			Per running metre	
4 (a)	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	45.00 running metre			Per running metre	
4 (b)	Supply and lowering of IS marked electric resistance welded mild steel slotted pipe 175 milimetre dia nominal size housing, 6.4 milimetre thickness having outside diametre 193.70 milimetre screwed and socketted conforming to IS 4270-2001 with upto date amendments if	15.00 Number			Each	
5	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 Engineer-in-charge.	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. 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 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, until the well is stand free as per IS-11189-1985 up to date	8.00 hours			Per hours	
	Terms and conditions:-					
a)	The location where bores shall be drilled for providing tube well shall be got approved from the Engineer-in-charge.					
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 himself at his own cost.					
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 equifier 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 on the contractor. If the tube well remain unsuccessful due to faulty construction on the part of contractor nothing shall be paid to the contractor for the dirling of tube well.					
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 relics 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.
- 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 construction/execution of the work.
- 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 Engineer-in-charge.
- 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 received by them to the Engineer-in-charge.
- 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 time.
- 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 quantity of such material required for finished work.
- 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 accidents caused due to the negligence of his part. No hinderence shall be cuased to traffic during exeuction of work.
- 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 address duly accepted by postal authorities shall be deemed to have been served on the contractor from the date of its costing in respective of that the same may be returned to the postal authorities undelivered due to any reason but so ever charges in address shall be properly intimated to the office of Executive Engineer and acknowledgement received to that effect unless this is done of addresses shall remain effective.
- 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
- 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 with upto date ammendments.
- 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 day.
- 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. 265775.00

Name of work:- Providing,laying and jointing of separate bigger dia HDPE pipe 400 mm dia from Kirpal Chand kuhl from Chowki Khalet to Galu in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 5320.00

(SH)Construction of reinforcement cement concrete channel from RD 18800 to 18870=70 Rmt. near village Duhki in Gram Panchayat Jamula)

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in		Unit	Amount.
			Figure	Words.		
1	Removal of slips/silt/malwa in all kinds of soil including saturated soil but excluding boulders and rocky portion requiring blasting upto a distance of 20 metre disposing of unserviceable materials, and neatly dressing the surface within all leads and lifts as per the direction of	28.00 cubic metre			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 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-	22.75 cubic 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	6.83 cubic			Per cubic	
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 supporting floor two ceiling not exceeding 4 metre					
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	140.00 square metre			Per square metre	
5	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					
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	13.65 square metre			Per square 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.	21.00 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.	1212.75 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					
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					
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 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					
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					
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

Name of work:- Stock storage at IPH Sub-Division Baijnath in Tehsil Baijnath District Kangra (HP)

Estimated Cost Rs. 384929

Earnest money:- Rs. 7700.00

(SH : Repair of JE section at Dharaman

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in		Unit	Amount
			Figures	Words		
1	Ist. Class Brick work using common burnt clay building bricks in superstructure above plinth level in cement mortar 1:6 (One cement is to four sand) with in all leads and lifts as per the direction of Engineer-in-charge.	16.84			Per cubic metre	
2	Providing wood work in frames and doors, windows,clearstory windows and other frames wrought framed and fixed in position Second class (Deodar wood) within all leads and lifts as per the direction of Engineer-in-charge.	0.247			Per cubic metre.	
3	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	13.06			Per square metre.	
4	20 milimetre(Twenty 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 1:4 (One cement is to Four sand) within all leads and lifts as per the	159.90			Per square metre	
5	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-	60.25			Per square metre	
6	White Glazed Tiles 6 mm thick in flooring skirting rises of steps dado 12mm thick in cement mortar 1:3)Jointed with cement slurry within all leads and lifts as per the direction of Engineer-in-char	60.25			Per square metre	
7	White Glazed Tiles 20 mm thick in walls, skirting rises of steps in cement mortar 1:3)Jointed with cement slurry within all leads and lifts as per the direction of Engineer-in-cha	12.15			Per square metre	
8	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					
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.	3.21			Per square metre	
b)	Flat surfaces such as soffits of suspended floors roofs landing and the like floor etc.upto 200 milimetre in thickness within all leads and lifts as per the direction of Engineer-in-charge.	13.39			Per square metre	
9	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 suspended floors,roofs landing shelves and their supports balconies beams,girders and cantilevers upto floor two level within	2.20			Per cubic metre	
10	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.	198.00			Per Killo-gramme.	
11	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	510.45			Per Killo-gramme.	
12	Providing corrugated G.I. sheet roofing fixed with galvanised iron J. or L. hooks bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins rafters and trusses 0.80 milimetre thick sheet within all leads and lifts as per	53.40			Per square metre	
13	Providing ridges or hips 60 centimetre over all in plain with galvanised iron galvanised iron sheet fixed J or L hooks, bolts and nuts 8 milimetre dia glavanised iron limpet and bitumen washers complete 0.63 milimetre thick galvanised iron sheet with in all leads and lifts as per	19.80			Per square metre	
14	Providing eaves board 100mm x 25mm thick including fixing in position within all leads and lifts as per the direction of Engineer-in-charge.	30.40			Per Running Metre	

15	Colour washing 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 including preparing the surface even and sand papered smooth with in all leads and lifts as per the	172.96 square metre	Per cubic metre
16	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 including preparing the surface even and sand papered smooth with in all leads and lifts as	172.96 square metre	Per cubic metre
17	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 doors,windows and clearstory windows including bright finished black enamelled iron hinges with necessary screws 30 milimetre thick 1st class deodar wood within all leads and lifts as per the direction of Engineer-in-charge.	13.06 square metre	Per cubic metre
18	Applying priming coat over new wood and wood based surfaces after and including preparing then surface by thoroughly cleaning oil grease,dirt and other foreign matter,sand papering and knotting with ready mixed paint brushing wood primer pink with in all leads and lifts as per the	11.64 square metre	Per cubic metre
19	Painting two coats (excluding priming coat) on new wood and wood based surfaces with enamel paint to give an even shade including cleaning the surface of all dirt dust and other foreign matter sand papering and stopping with enamel paint other than white with in all leads	11.64 square metre	Per cubic metre
20	Providing and fixing mild steel fan clamp Type-I in reinforced concrete slab during laying with in all leads and lifts as per direction of Engineer in charge.	4 Number	Per cubic metre
21	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.	3 Number	Per cubic metre
22	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.	18 Number	Per cubic metre
23	Providing and fixing aluminium handles anodized to required colour of shade with necessary acrows etc. complete withy in all leads and lifts as per the direction of Engineer in charge. a) 125 milimetre.	32 Number	Per cubic metre

Terms and conditions:-

- a) Cement will be issued @ Rs.303/-per bag from Divisional store Differpat.
- b) The work should be carried out as per specifications.
- c) Nothing shall be paid for the rejected work/material.
- d) Crushed stone aggregate and mechanically mixture concrete shall be used.
- e) The work should be completed within the stipulated period.
- f) 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 of issue rates.

"SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 323303.00

Name of work:- Providing Water Supply Scheme Sunpur Mandhol Khalenu and adjoining villages in Tehsil Baijnath District Kangra(HP)

Earnest money:- Rs. 6470.00

(SH)Drilling/lowering of Mini tube well 60.00 metre deep at village Lower Ustehar).

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in		Unit	Amount
			Figures	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 leveling etc. complete in all respect as	1.00 Number			Each	
2	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 of Engineer-in-charge.	1.00 Number			Each	
3	Drilling tube well of 175mm dia as per IS 2800-1979 using percussion/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,	60.00 running metre			Per running metre	
4 (a)	Supply and lowering of IS marked electric resistance welded mild steel slotted pipe 175 milimetre dia nominal size housing, 6.4 milimetre thickness having outside diametre 193.70 milimetre screwed and socketted conforming to IS 4270-2001 with upto date amendments if	25.00 running metre			Per running metre	
5 (a)	Supply and lowering of IS makred electric resistance welded MS pipe 175 mm dia nominal size housing 6.4 mm thickness confirming 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	35.00 running metre			Per running metre	
6	Providing and fixing casing shoe for 200 milimetre 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 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, until the well is stand free as per IS-11189-1985 up to date	8.00 hours			Per hours	
	Terms and conditions:-					
a)	The location where bores shall be drilled for providing tube well shall be got approved from the Engineer-in-charge.					
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 himself at his own cost.					
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 equifier 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 on the contractor. If the tube well remain unsuccessful due to faulty construction on the part of contractor nothing shall be paid to the contractor for the drilling of					
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 the Govt. from time to time.					
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 construction/execution of the work.					

- 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 Engineer-in-charge.
- 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 received by them to the Engineer-in-charge.
- 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 time.
- 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 quantity of such material required for finished work.
- 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 accidents caused due to the negligence of his part. No hinderence shall be cuased to traffic during exeuction of work.
- 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 address duly accepted by postal authorities shall be deemed to have been served on the contractor from the date of its costing in respective of that the same may be returned to the postal authorities undelivered due to any reason but so ever charges in address shall be properly intimated to the office of Executive Engineer and acknowledgement received to that effect unless this is done of addresses shall remain effective.
- 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
- 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 with upto date ammendments.
- 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 day.
- 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.