

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 416016.00

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. 8330.00

(SH)Construction of reinforcement cement concrete main channel from RD 1990 to 2100 =110 runningmetre and 1 No. V-Notch outlet).(Taras Kuhl) Job No. 8

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	49.19 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.	39.51 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.	10.03 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	295.73 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.	1382.68 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.	12.38 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
- 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 inspection if it found that concreting is being done without vibrator the awarded rates in that particular item of work shall be reduced by 10%

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 450000.00

Name of work:- Providing water facility to Lower Menjha Ward No. 5 in Gram Panchayat Menjha in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 9000.00

(SH)Construction of reinforcement cement concrete over head storage tank of 30,000 litre capacity with 10 metre staging height at node No. 4.

Time :- Three months

Sr. No.	Description of items	Qty.	Rate in		Unit	Amount
			Figure	Words		
1	Construction of reinforcement cement concrete circular over head water storage tank of 30000 litre capacity with 10.00 metre staging height each including cost of excavation, site development, cost of construction material, necessary arrangement of inlet, outlet, overflow and scour pipe alongwith sluice valves and other fixtures, development of site and carriage of material within all leads and lifts .The design and drawings shall be got approved from					
a)	a) 20000 litre capacity	30000.00			Per litre	

The water reservoir should comprise of followings:-

- 1 Inlet pipe shall be provided by the department,however the Contractor/Firm shall have to make arrangements for connection the same with the tank.
- 2 Providing and fixing of atleast 2 number manholes with C.I covers 500 milimetre internal dia metre total weight of cover and frame to be not less than 116 Killogramme (Medium duty). The weight of cover and frame to be 58 Killogramme each.
- 3 Cast iron ventilating pipe 150 milimetre dia with cowl and mosquito proof cover of sufficient
- 4 R.C.C sprial stairs of 75 centimetre width including railing of G.I pipe 40 milimetre dia
- 5 All inspection gallery of minimum width 75 centimetre shall be provided around the tank at the
- 6 All other required accessories such as bell mouth,control valves of cast iron class PN-I one for
- 7 All the fitting shall be embeded in the structure while the work is in progress. All connections
- 8 The safe bearing capacity of the soil be got tested by the contractor, however for design
- 9 The work shall be carried out as per technical specification attached in the NIT and direction
- 10 All the pipe fittings, valves and other specials shall be ISI marked and confirm to relevent BIS
- 11 The scope of work shall included provision of puddle collars and housing chambers for sluice
- 12 Nothing shall be paid for the rejectred materials and/or for the work executed below
- 13 The contractor shall be responsible for the watch and ward of the materials at site of work.
- 14 The contractor shall dispose off all the surplus materials after the construction with in all leads
- 15 Only steel and/or plywood and/or timber shuttering lined with ply or iron sheets and/or plastic
- 16 Following mateials shall be issued to the contractor on the rates as shown against each item

Note:-

- a) Cement:- P.P.C Rs.303/- per bag Two hundred thirty four) only per bag at IPH store Differpat.
- b) Steel will be issued @ Rs 4800/-per quantal (Rs.Four thousand seven hundred only) at IPH
- c) Crushed aggregate of good quality should be used.

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 150599.00

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

Earnest money:- Rs. 3020.00

(SH) Dismantalling of 80 milimetre galvanised iron pipe from RD 0 to 3800 runningmetre).

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	179.55 Cubic metre			Per cubic metre	
2	Dismantalling of existing pipe line of following dia (Earth work in trenches to be measured and paid for separately) within all leads and lifts as per the direction of Engineer-in-charge.	3800.00 Running Metre			Per running metre	

Terms and conditions:-

- a) The work should be carried out as per HPPWD specifications.
- b) Nothing shall be paid for the rejected work/material.
- c) The work should be carried out as per specifications.
- d) Dismantalled material should be taken in MAS by the concerned J.E.

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 152817.00

Name of work Construction of Lift Irrigation scheme Simbal Balh Jamrela in Tehsil Baijnath
:- District Kangra (HP).

Earnest money:- Rs. 3060.00

(SH)Construction of Built up steel bridge to carry the raw water KRTE pump
from pump house to site of work

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in		Unit	Amount
			Figures	Words		
1	Laying, Jointing and testing of bevelled ended galvanised iron pipe (Medium class) with circumferential butt welded joints where ever required by electrical arc welding (welding thickness shall be equal to pipe wall thickness) and testing of galvanised iron pipe conforming to IS 1239-1991 (Part-II) with latest ammendments having wall thickness as specified below					
	a) 125 milimetre dia.	38.00	running		Per running metre	
	b) 100 milimetre dia.	38.00	running		Per running metre	
	c) 25 milimetre dia.	21.00	running		Per running metre	
2	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	18.76	Quintal		Per Quintal	
3	Applying priming coat over new steel and other metal surfaces after and including preparing the surface by thoroughly cleaning oil grease,dirt and other foreign matter and scoured with wire brushes find steel wool scrapers and sand paper complete with in all leads and lifts as	34.58	square metre		Per square metre	

Terms and conditions:-

- The work should be executed as per IPH/PWD specifications and CPHEEO manual.
- Nothing shall be paid for the rejected work/material.
- G.I.pipes shall be issued free of cost to the contractor from Divisional store Differpat.
- The work should be completed within the stipulated period.