

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 434577.00

Name of work:- Augmentation of flow irrigation scheme Gajruhal, Charnamati, Lower Baijnath, Jaduhl, 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 1760 to 1875 =115 runningmetre and 1 No. V-Notch outlet).(Taras Kuhl) Job No. 6

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			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			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			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			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 Quantal
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 expension 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 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 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 case of any

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 232925.00

Name of work:- Restoration of rain damages to Sewerage scheme to Palampur town in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 4660.00

(SH) Construction of septic tank

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	70.13			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-	5.06			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					
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	90.80			Per square metre	
b)	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.	18.00			Per square metre	
c)	Edges of slab and breaks in floor and walls under 20 centimetre in wide within all leads and lifts as per the direction of Engineer-in-charge	39.20			Per running 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 Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	4.35			Per cubic metre	
a)						
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.	8.68			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.	3.14			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.	1458.30			Per Killo-gramme.	
6	Providing in reinforcement cement concrete work smooth finishing of the exposed surface with cement mortar 1:3 (1 cemeny is to three sand) within all leads and lifts as per the	90.80			Per square	

	direction of Engineer-in-charge.	metre	metre
7	Manufacturing, fabrication & fixing of M.S. man hole cover of 0.60x.60 m size made of M.S. Sheet 2.0 mm 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	3.00 Number	Each
8	Providing and fixing ductile iron tee 150x150x150 milimetre dia within all leads and lifts as per the direction of Engineer-in-charge.	2.00 Number	Each
9	Providing and fixing cast iron ventilating pipe 100 milimetre dia, 1 metre height with cast iron cowl fixed at top within all leads and lifts as per the direction of Engineer-in-charge.	2.00 Number	Each

Terms and conditions:-

- a) Cement will be issued @ Rs.303/-per bag from Divisional store Differpat.
- b) Steel will be issued @ Rs.4800/-per quintal to the contractor from Divisional store Differpat.
- c) The work should be carried out as per specifications.
- d) Nothing shall be paid for the rejected work/material.
- e) Crushed stone aggregate shall be used.
- f) The work shall be completed with in the stipulated period.
- g) The contractor shall be responsible for watch and ward of material in case of any theft or loss the recovery shall be made at the double cost of issue rates.
- h) 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.

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 493054.00

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

Earnest money:- Rs. 9870.00

(SH) Construction of desilting tank

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	120.93			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-	6.72			Per cubic metre	
3	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 Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	16.99			Per cubic metre	
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.	13.50			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)	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	137.57			Per square metre	
b)	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.	3.48			Per square metre	
5	Providing in reinforcement cement concrete work smooth finishing of the exposed surface with cement mortar 1:3 (1 cementy is to three sand) within all leads and lifts as per the direction of Engineer-in-charge.	141.05			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.	2319.35			Per Killo-gramme.	
7	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	0.18			Per Quintal	
8	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

a)	250 milimetre dia	12.00 running metre	Per running metre
9	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	1.00 Number	Each
10	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. a) 250 milimetre dia	1.00 Number	Each

Terms and conditions:-

- a) Cement will be issued @ Rs.303/-per bag from Divisional store Differpat.
- b) Steel will be issued @ Rs.4800/-per quintal to the contractor from Divisional store Differpat.
- c) 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.

" SCHEDULE OF QUANTITY "

Estimated cost:- Rs. 260455.00

Name of work:- Augmentation & Extension of LWSS Ashapuri and Kosri Thachru in Tehsil Jaisinghpur District Kangra(HP).

Earnest money:- Rs. 5210.00

(SH) Laying, jointing and testing of GMS Pipe 25mm dia at Node No. 4 to 8 RD 1150/0 to 2900 for Tank to Tank line Village Bohru)

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	684.40			Per cubic metre	
2	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 a) 25 milimetre dia.	2900.00			Per running metre	

Terms and conditions:-

- a) G.I. pipes will be issued free of cost to the Contractor from Divisional Store Differpatt.
- b) Nothing shall be paid for the rejected work/material.
- c) The work should be carried out as per specifications.
- d) The work shall be completed with in the stipulated period.
- e) Material should be ISI marked.
- f) The work should be executed as per recommendation of CPHEEO manual as water supply
- g) 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.

***SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 246806.00

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. 4940.00

(SH)Construction of reinforcement cement concrete channel from RD 18955 to 19020=65 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	26.00			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	21.13			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	6.34			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	130.00			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.	12.68			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.	19.50			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.	1126.13			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 strength at 28 days
- 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

- 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.