

**" SCHEDULE OF QUANTITY "**

Estimated cost:- Rs. 291889.00

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

Earnest money:- Rs. 5840.00

(SH) Laying, jointing and testing of GMS Pipe 32mm dia at Node No. 11 to 13 RD 6880/0 to 3250 for Umar

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 (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.	767.00			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 and lifts as per the direction of Engineer-in-charge.					
	a) 32 milimetre dia.	3250.00	running	metre	Per running metre	

Terms and conditions:-

- G.I.pipes will be issued free of cost to the contractor from Divisional store Differpat.
- Nothing shall be paid for the rejected work/material.
- The work should be carried out as per specifications.
- The work shall be completed with in stipulated period.
- Material should be ISI marked.
- The work shaould be executed as per recommendation of CPHEEO manual as water supply.
- 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. 314182.00

Name of work:- Providing,laying and jointing of separate bigger dia HDPE pipe 400 mm dia for village Garh from Kirpal Chand kuhl Chowki Khalet to Galu in Tehsil Palampur District Kangra(HP).  
(SH)Construction of reinforcement cement concrete lining from RD 19760 to 19840 =80 Rmt.)

Earnest money:- Rs. 6290.00

Time :- Six 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	10.40 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	3.90 cubic			Per cubic	
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					
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	15.60 cubic metre			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.	24.00 cubic metre			Per cubic metre	
4	Providing form work with steel plates 3.15 milimetre thick welded with angle iron in frame 30*30*5 milimetre so as to give a fair finish including centring,shuttering,strutting and propping etc. with wooden battens ballies,height of propping and centring below 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	160.00 square metre			Per square metre	
5	Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	1386.00 Killo- gramme.			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 as
  - The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction of the Engineer-in-Charge.
  - The security, income tax, good service tax and surcharge and labour welfare cess if any shall deducted from each running bill of the contractor/firm as applicable.
  - 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
  - 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. 281799.00

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. 5640.00

(SH)Construction of reinforcement cement concrete channel from RD 3120 to 3240 =120 running metre and construction of outlet 1 number).

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	37.55 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	104.50 square metre			Per square metre	
3	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	2.16 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-	8.02 cubic metre.			Per cubic 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 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.	13.25 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.	16.50 cubic metre			Per cubic metre	
6	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	253.00 square metre			Per square metre	
7	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.	1188.00 Killo- gramme.			Per Killo- gramm	
8	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1:6 (One cement is to six sand) within all leads and lifts as per the direction of Engineer-in-charge	1.43 cubic metre			Per cubic metre	
9	15 milimetre(fifteen 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	3.30 square metre			Per square metre	
10	20 milimetre (Twenty milimetre) thick cement concrete topping 1:2:3 (One cement is to two to three graded stone aggregate of size 4.75 milimetre below by volume) laid over and finished monolithic with base concrete within all leads and lifts as per the direction of Engineer-in-	1.80 square metre			Per square metre	

11	Providing and fixing mild steel plates for 90° V-Notch and gates within all leads and lifts as per the direction of Engineer-in-charge.	15.68 Killo- gramme.	Per Killo- gramm
12	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.	7.70 Killo- gramme.	Per Killo- gramm e

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
- 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 \***

Estimated cost:- Rs. 474356.00

Name of work:- Providing water supply scheme to Kharanal in Tehsil Baijnath District Kangra(HP).

Earnest money:- Rs. 9490.00

(SH)Construction of 3 Nos reinforcement cemnt concrete storage tank of 25000 litres capacity at node No. 31, 20000 litres capacity at node No. 4 and 10000 litres capacity at node No. 39)

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure Words.	Unit	Amount.
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	96.68 cubic metre		Per cubic metre	
2	Providing and laying cement concrete 1:3:6 (One cement is to three sand is to six graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-	7.56 cubic metre.		Per cubic metre	
3	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)	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.	15.46 cubic metre		Per cubic metre	
b)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	6.32 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)	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.	3.24 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.	2708.00 Killo- gramme.		Per Killo- gramm	
6	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.	150.39 square metre		Per square metre	
b)	Flat surface such as soffits of suspended, floors, roofs, landing and the like floors etc. upto 200 milimetrre in thickness within all leads and lifts as per the direction of Engineer-in-charge.	22.60 square metre		Per square metre	

c)	Edge 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.	31.75 running metre	Per running metre
7	Manufacturing, fabricatin and fixing of M.S. man hole cover of 0.60x60 m size made of M.S. sheet 2.0 mm thick with M.S. angle 35x35x5mm thick hinges one side and sliding door bolt for	3.00 Number	Each
8	Laying,jointing and testing in trenches galvanised iron pipe of following dia for outlets pipe scour pipe and over flor pipes etc. within all leads and lifts as per the direction of Engineer-in- a) 65 milimetre dia.	36.00 running metre	Per running metre
	b) 100 milimetre dia.	18.00 running metre	Per running metre
9	Providing and fixing cast iron ventilating pipe 100 milimetre dia, 1 metre height with cast irion cowl fixed at top within all leads and lifts as per the direction of Engineer-in-charge.	3.00 Number	Each
10	Fixing 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 2906-1964 a) 65 milimetre dia.	6.00 number	Each
	b) 100 milimetre dia.	3.00 number	Each
11	Finishing wall with water proofing cement paint 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	154.00 square metre	Per square metre
12	Construction of chamber for sluice valve with C.I.surfaces bex 100 milimetre top dia 160 milimetre bottom diameter 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	3 Number	Each
13	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	3.60 Quintal	Per Quantal
14	1.80 metres high fencing with 2.50 metre angle iron posts 40x40x4 milimeter 2.5 metre centre to centre with 9 horizontal bars and two diagonal bars of galvanised steel barbed wire (IS-278-1962 type) weogitomg 9.38 killogramme/100 metre (minimum) strained and fixed to	150.00 running metre	Per running metre

**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) G.I. pipes will be issued free of cost to the contractor from Divisional store Differpatt.
- 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) Concrete mixing shall be done with mechanical mixture.
- i) Vibrator shall be used at t6he time of concreting
- j) 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 issue rates.