

**\* SCHEDULE OF QUANTITY \***

Estimated cost:- Rs. 448200.00

Name of work:-

Construction of flow irrigation scheme Maniara Tappa and Jugehar in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 8970.00

(SH)Construction of reinforcement cement concrete channel from RD 2680 to 2830 running metre, construction of outlet 1 number.

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.	2.07 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-charge.	48.00 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 and plinth with in all leads and lifts as per the direction of Engineer-in-charge.	16.50 cubic metre.			Per cubic metre	
4	Providing and laying cement concrete 1:2:4 (One cement is to two sand is to four graded stone aggregate 20 milimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced cement concrete in:-					
(a)	Foundation,footings bases of column and the like mass concrete within all leads and lifts as per the direction of Engineer-in-charge.	20.25 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.	27.00 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	405.00 square metre			Per square metre	
6	Providing and laying mild steel/tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position complete upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.	1653.76 Killo- gramme.			Per Killo- gramm -	

- |   |  |                         |                        |
|---|--|-------------------------|------------------------|
| 7 | 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   | 1.18<br>cubic<br>metre  | Per<br>cubic<br>metre  |
| 8 | 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-charge. | 0.88<br>square<br>metre | Per<br>square<br>metre |

9	Providing 5 milimetre (Five milimetre) thick mild steel plate within all leads and lifts as per the direction of Engineer-in-charge.	15.68 Killo- gramme.	Per Killo- gramm
10	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 1:6 (One cement is to six sand) within all leads and lifts as per the direction of Engineer-in-charge.	0.86 square metre	Per square metre
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.	21.01 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 strength at 28 days as per provision of BIS 456-2000 which shall be get tested from the lab of HPPWD of NIT Hamirpur.
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender from must be signed before submitting the tender falling which the tender is
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire
- i) The security, income tax, sale tax and surcharge and labour welfare cess if any shall deducted from each running bill of the contractor/firm as applicable.
- j) All necessary documents such as income tax clearance certificate, renewal of registration, CST/GST nos shall have to be produced by the contractor/firm before purchase of tender documents.
- k) The offer shall be valid fore 120 days from the date of the opening of the tender.
- l) The rate of all item should be inclusive of all taxes, duties, levies, carriage of material within all leads and lifts etc. to site of work.
- m) Any damages caused to any public and private property during the course of execution of work shall be restored by the contrctor and if, not done within a reasonable time then the same shall be restored by
- 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. 430844.00

Name of work:- Construction of flow irrigation scheme Garuhl kuhl in Gram Panchayat Banuri, Holta, Banuri khas, Moli Chak and Band Vihar in Tehsil Palampur District Kangra(HP).  
(SH)Construction of reinforcement cement concrete channel from RD 4070 to RD 4270 =200, C/O 1 No footpath X-ing.

Earnest money:- Rs. 8620.00

Time :- Six 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	1.14			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	13.95			Per cubic metre	
3	Providing and laying cement concrete 1:4:8 (One cement is to four sand is to eight graded stone aggregate 40 milimetre nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-charge.	13.50			Per cubic metre	
4	Providing and laying cement concrete 1:6:12 (One cement is to six sand is to twelve 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.	0.12			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.	20.00			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.	25.00			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.	0.21			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 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	450.00			Per square	

Engineer-in-charge	metre	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.	3.04 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.	1823.10 Killogramme.	Per Killogramme
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	0.97 cubic metre	Per cubic metre
9 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.	14.00 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 strength at 28 days
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender from must be signed before submitting the tender falling which the tender is
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire
- i) The security, income tax, sale tax and surcharge and labour welfare cess if any shall deducted from each running bill of the contractor/firm as applicable.
- j) All necessary documents such as income tax clearance certificate, renewal of registration, CST/GST nos shall have to be produced by the contractor/firm before purchase of tender documents.
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