

*** SCHEDULE OF QUANTITY ***

Name of work:- Construction of flow irrigation scheme Maniara Tappa and Jugehar in Tehsil Palampur District Kangra(HP).
(SH)Construction of reinforcement cement concrete channel from RD 2830 to 2980 running metre, construction of outlet 1 number.

Estimated cost:- Rs. 448200.00

Earnest money:- Rs. 8970.00

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	cubic
(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	cubic
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-gramme	
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 cubic metre			Per cubic metre	cubic
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 square metre			Per square metre	square
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-gramme	
10	20 milimetre(Twenty milimetre) thick cement plaster in single coat on rough side of brick/stone masonry for	0.86			Per	

	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.	square metre	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 liable to
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction
- 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 contractor and if, not done within a reasonable time then the same shall be restored by 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. 436258.00

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).

Earnest money:- Rs. 8730.00

(SH)Construction of reinforcement cement concrete channel from RD 4270 to RD 4470=200 running metre, construction of 1 No outlet.

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 into plinth sides of	2.16			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-	14.46			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.	13.68			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.	20.90			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	
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					
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	450.00			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.	1800.00			Per Killo-gramme	
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	1.43			Per cubic 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.	1.80			Per square 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 smooth in cement mortar 1:3 (One cement	3.30			Per square metre	
10	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			Per running 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.

9.80
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 within 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
- f) Conditional and telegraphy tender are liable to be rejected.
- g) All pages of the tender must be signed before submitting the tender falling which the tender is liable to
- h) The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction
- 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 for 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 same shall be restored by 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.

The rates shall be quoted only on the format of schedule of quantities which is attached with the tender document giving all specified data so desired therein.

The rates offered for the specified marks in the schedule of quantities only shall be considered. Rates quoted for the part or non specified marks shall lead to rejection of the tender.

The location of site can be ascertained by the concerned Assistant Engineer & the rates quoted by the firm shall be inclusive of all mechanical and manual transport within all leads and lifts to the site of work.

All the equipment/material shall conform to the relevant BIS specifications wherever applicable and in its absence to any accepted National/International standards.

The general specifications of the work shall conform to HP. PWD/Punjab PWD specifications as per direction to the Engineer-in-charge.

The validity of the tender shall not be less than 120 days, otherwise, the tender shall be summarily rejected.

All the equipment shall be guaranteed against any manufacturing defect including metallurgy and its performance for a period 12 (twelve) months from the date of commissioning/ 15 (fifteen) months from the date of

The installed pumping machinery and other allied accessories shall be tested daily for stipulated pumping hours in the N.I.T. for a period of seven days without extra cost. However, the cost of electricity and water

80% (Eighty percent) payment of the cost of pumping machinery and equipment less 10% security and other statutory recovery shall be made after receipt of complete pumping machinery i.e. pump and motors

90% (Ninety percent) installation charges shall be released after satisfactory installation of all the pumping and electrical equipment. Remaining 10 % of installation charges shall be released after testing of the entire

24 In absence of performance curve, no offer will be entertained.

25 The firm agreed to complete the work within 6 months.

26 The firm agreed to supply a copy of order placed on the manufacturer to the divisional officer.

27 The Executive Engineer will satisfy himself regarding model/make and characteristics of pump set before releasing any payment. The firm shall submit a copy of test report along with supplies and Executive Engineer

28 The pump set and all accessories shall carry a warrantee of 12 months from date of successful commissioning.

29 The item of earthing includes all civil works required.

30 The firm agreed to pay all taxes applicable including GST (Goods Service Tax) and nothing shall be claimed extra.

***SCHEDULE OF QUANTITY ***

Name of work:- Providing Water facility to SC population in village lower Menjha Ward No. 5 in Tehsil Palampur Distt. Kangra (HP) (SH. Laying,jointing and testing of galvanised iron pipe of following dia)

Estimated Cost Rs. 151205.00
Earnest money Rs. 3030.00
Time:- Three months

Sr.	Description of items.	Qty.	Rate	Unit	Amount.
No.					
1	Excavation in foundation trenches etc.in earth work in all kinds of soil such as pick work,jumper work,blasting in soft and rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking excavated soil and then returning the stacked soil in 15 centimetre (Fifteen	311.52		Per Cubic metre	
		Cubic metre			
2	Laying and jointing in trenches galvanised mild steel tubes,tube fitting(Light grade) of following dia.(Earth				
	a) 25 mm dia	300.00		Per running metre	
		running metre			
	b) 32 mm dia	600.00		Per running metre	
		running metre			
	c) 40 mm dia	250.00		Per running metre	
		running metre			
	d) 50 mm dia	420.00		Per running metre	
		running metre			
3	Providing and fixing galvanised iron union conforming to ISI specification Number 1879-1975 of the				
	a) 25 mm dia	2.00		Each	
		Number			
	b) 32 mm dia	2.00		Each	
		Number			
	c) 40 mm dia	2.00		Each	
		Number			
	d) 50 mm dia	2.00		Each	
		Number			
4	Providing and suplying of galvanised iron brass fully way peet valve of following dia dully ISI marked within				
	a) 25 mm dia	2.00		Each	
		Number			
	b) 32 mm dia	2.00		Each	
		Number			
	c) 40 mm dia	2.00		Each	
		Number			
	d) 50 mm dia	2.00		Each	
		Number			
5	Providing and suplying of galvanised iron tee's of following dia dully ISI marked within all leads and lifts as				
	a) 25 mm dia	2.00		Each	
		Number			
	b) 32 mm dia	2.00		Each	
		Number			
	c) 40 mm dia	2.00		Each	
		Number			

	d) 50 mm dia	2.00 Number	Each
6	Providing and supplying of galvanised iron elbow of following dia duly ISI marked within all leads and lifts as		
	a) 25 mm dia	2.00 Number	Each
	b) 32 mm dia	2.00 Number	Each
	c) 40 mm dia	2.00 Number	Each
	d) 50 mm dia	2.00 Number	Each
7	Desmentalling/Demolition below ground level upto floor two level upto 1.50 metre depth and disposal of unserviceable materials within 20 metres lead un-reinforced cement concrete more than 15 centimetre thickness within all leads and lifts as per the direction of Engineer-in-charge.	7.50 Cubic metre	Per Cubic metre
8	Providing and laying cement concrete 1:4:8 (one cement is to four sand is to eight graded stone aggregate 40 millimetre 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-charge.	4.50 Cubic metre	Per Cubic metre

Terms and conditions:-

- a) G.I. pipe will be issued free of cost to the Contractor from Divisional store Differpatt.
- b) Nothing shall be paid for rejected work.
- c) The work should be carried out as per specifications.
- d) The work should be completed within 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 rock strata shall be attached with every
- h) Cement will be issued @ Rs. 303/- per bag from Divisional Store Differpatt.

***SCHEDULE OF QUANTITY ***

Estimated Cost Rs. 350476.00
Earnest money Rs. 7010.00
Time:- Three months

Name of work:- Improvement of Water Supply Scheme group of villages Jhikli Bheth in Tehsil Baijnath Distt. Kangra (HP) (SH. Laying,jointing and testing of galvanised iron pipe of 80 mm dia at node No. 117 to 118 from RD 0 to 2220 =2220 running metre)

Sr. No.	Description of items.	Qty.	Rate	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 rock and chiselling work including saturated soil slushy soil and under floor upto all depth and stacking excavated soil and then returning the stacked soil in 15 centimetre (Fifteen	959.04		Per Cubic metre	
2	Laying and jointing in trenches of old dismentalled galvanised mild steel tubes,tube fitting(Light grade) of d) 80 mm dia	2220.00		Per running metre	

Terms and conditions:-

- G.I. pipe will be issued free of cost to the Contractor from Divisional store Differpatt.
- Nothing shall be paid for rejected work.
- The work should be carried out as per specifications.
- The work should be completed within stipulated pwrion.
- Material should be ISI marked.
- The work should be executed as per recommendation of CPHEEO manual as water supply
- Statement of length where pipe is not buried under ground due to rock strata shall be attached with every

***SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 338166.00

Name of work:- Providing Water Supply Schemde Sunpur Mandhol Khalenu and adjoining village in Tehsil Baijnath District Kangra(HP).
(SH) Drilling/lowering of mini tubewell 70 metre deep at village khalenu under Baijnath constituency.

Earnest money:- Rs. 6770.00
Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure	Words.	Unit	Amount.
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 levelling etc. complete in all respect as per the direction of Engineer-in-Charge	1.00			Each	
2	Drilling tube well of 200mm/220mm dia as per IS 2800-1979 using percussion/calyx/RCF/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, water, POL, gravel pack in a space	70.00			Per Running metre	
3 a)	Supply and lowering of IS marked electric, resistance welded MS pipe 175mm dia nominal size housing 6.4mm thickness conforming to IS 4270-2001 with upto date ammendments if any, 3 to 6 metres in length, welded without any circumferential joints into bore hole in vertical position including cost of all scaffolding	50.00			Per Running metre	
3 b)	Supply and lowering of IS marked electric, resistance welded mild steel slotted pipe 175mm dia nominal size housing 6.4mm thick having outside dia metre 193.70mm screwed and socketted conforming to IS 4270-2001 with upto date ammendments if any, about 4.00 metres to 7.00 metres in length pipe should	20.00			Per Running metre	
4	Providing and fixing casing shoe for 175mm dia MSERW pipe as per requirement of ODEX attachment complete in all respect as per the direction of Engineer-in-charge.	1.00			Each	
5	Development of site including levelling at site through all kinds of roads, approaches field etc. complete in all respect as per the direction of Engineer-in-charge.	1.00			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			Each	
7	Development of tube well and yield testing with air compressor through V notch and disinfection etc. complete in all respect as per IS 2800-1979 and as per the direction of Engineer-in-charge.	1.00			Each	
8	Development of tube well by continuous over pumping method with VT pumps/submersible pumps of suitable capacity not less than double the discharge established by the compressor method/design discharge, until the well is stand free as per IS-11189-1985 upto date ammendments, if any, complete	8.00			Per hours	
<u>Terms and conditions:-</u>						
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					
c)	The department shall be at full liberty to abandon a particular well. If the bore is abandoned to any reason					
d)	No payment shall be released until discharge of the tube well is submitted duly certified by Hydrogeologist					
e)	A gold silver oil other material any relics antiques and other similar things may be found in or upon the site					
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 specifications.					
h)	Any damage done by the contractor to any public/private property during the course of					
i)	All the taxes and other incidental charges shall be borne by the contractor and nothing shall be paid to him					
j)	All extracted material available during the time of execution shall be stacked properly as desired by Engineer-					
k)	Tube well assembly shall be got approved from Engineer-in-Charge duly recommended from the Sr.					
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					
n)	The contractor shall be responsible for the Govt. material issued to his for use on the work and shall					
o)	The rates are inclusive of all types of classifications of soils and as such no claim in respect in the					