

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 452226.00

Name of work:- Providing water supply scheme Ghirtholi Ustehar in Tehsil Bajnath District Kangra(HP).

Earnest money:- Rs. 9050.00

(SH)Balance work for construction of over head storage reservoir of 260000 litre capacity with 7.00 metre staging height.

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in		Unit	Amount
			Figures	Words		
1	Providing and laying cement concrete 1:1 $\frac{1}{2}$:3 (One cement is to one and half sand is to three graded stone aggregate 20 millimetre nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in:-					
a)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pilasters,butresses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge.					
i)	Floor two level to three level within all leads and lifts as per the direction of Engineer-in-charge.	3.03 cubic metre			Per cubic metre	
b)	Lintel beams girder buttress and cantilever upto floor two level within all leads and lifts as per the direction of Engineer-in-charge.					
i)	Floor two level to three level within all leads and lifts as per the direction of Engineer-in-charge.	1.16 cubic metre			Per cubic metre	
c)	Arches upto floor two level within all leads and lifts as per the direction Enginner-in-charge.					
i)	Floor two level to three level within all leads and lifts as per the direction of Engineer-in-charge.	8.12 cubic metre			Per cubic metre	
d)	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.					
i)	Floor two level to three level within all leads and lifts as per the direction of Engineer-in-charge.	3.40 cubic metre			Per cubic metre	
2	Providing form work with steel plates 3.15 millimetre thick welded with angle iron in frame 30x30x5 millimetre 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)	Flat surfaces such as soffits of suspended floors,roofs,landings and the like floors etc.upto 200 millimetre in thickness within all leads and lifts as per the direction of Engineer-in-charge.	32.62 square metre			Per square metre	
b)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pilasters,butresses plinth string courses and the like within all leads and lifts as per the direction of Engineer-in-charge.					
i)	Beyond 4.00 metre within all leads and lifts as per the direction of Engieer-in-charge.	34.58 running metre			Per running metre	
c)	Beams, cantilever, girder and lintel sides and soffits of beams haunchings cantilevers girder, bressumers and lintel not exceeding one meter in depth in all heights from floor within all leads and lifts as per the direction of Engineer-in-charge.	11.56 square metre			Per square metre	
3	Providing form work of ordinary timber planking so as to give a rough finish including centring,shuttering,strutting and propping etc.height of propping and centring below supporting floor to ceiling not exceeding 4 metre and removal of the same for in-situ-reinforced concrete and plain concrete work in:-					
a)	Arches exceeding 6.00 metre in span within all leads and lifts as per the direction Enginner-in-Beyond 4.00 metre height within all leads and lifts as per the direction Enginner-in-charge.	73.85 square metre			Per square metre	
4	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.	1107.90 Kilo- gramme			Per Kilo-gramme	
5	Providing in reinforcement cement concrete work smooth finishing of the exposed surface with cement mortar 1:3 (1 cement is to three sand) within all leads and lifts as per the direction of Engineer-in-charge.	384.99 square metre			Per square metre	
6	Finishing wall with water proofing 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 leads and lifts as per the direction of Engineer-in-charge.	384.99 square metre			Per square metre	
7	Manufacturing and fixing SFRC man hole cover with frame. The weight of cover and frame should not less than 100 Kilogramme within all leads and lifts as per the direction of Engineer-in-charge.	2 Number			Each	
8	Laying and jointing in trenches to levelled to grades mild steel tube flanged pipe of following diameter conforming to BIS (239-1991 Part-II latest upto date amendments (including flanges to be measured and paid for separately). The welding of flanges with pipe conforming to IS 816-1965 with					
a)	100 millimetre dia (Table-5)	35.00 running metre			Per running 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.	4.04 Quintal			Per quintal	
10	Laying and jointing in trenches galvanised mild steel tubes,tube fitting (Light grade) 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.					
a)	20 millimetre dia.	68.79 running metre			Per running metre	
11	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 spindle 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) 100 millimetre dia.	3.00 Number	Each
12 Providing and fixing galvanised iron bends with mild steel flanges and jointed with two sides additional flange of following tables, dia and degrees not less than 0.90 metre in length suitable for laying with galvanised iron pipes including the cost of welding cutting of threaded portion of pipe fixing of nuts and bolts gasket etc. complete in all respect as per site requirement within all leads and lifts as per the direction of Engineer-in-charge.		
a) 65 millimetre dia	6.00 Number	Each
13 Providing and fixing mosquito proof ventilator 400 mm & 300 mm dia within all leads and lifts as per the direction of Engineer-in-charge.	1 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 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.
- g) G.I.pipes shall be issued free of cost to the contractor from Divisional store Differpat.
- 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. 353465.00

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 19590 to 19680 =90 Rmt.)

Earnest money:- Rs. 7070.00

Time :- Six months

Sr. No.	Description of items.	Qty.	Rate in Figure	Words.	Unit	Amount.
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 Engineer-in-charge.	11.70			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 millimetre 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.	4.39			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 millimetre 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.	17.55			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.	27.00			Per cubic metre	
4	Providing form work with steel plates 3.15 millimetre thick welded with angle iron in frame 30*30*5 millimetre 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					
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	180.00			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.	1559.25			Per Kilo-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 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					
f)	The work shall be executed as per IPH/HPWD specification and relevant IS codes to the entire satisfaction of the Engineer-in-Charge.					
g)	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.					
h)	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					
i)	Nothing shall be paid for the rejected work/material.					
j)	The contractor shall be fully responsible for watch and ward of material at the site of work.					

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 442863.00

Name of work:- Construction of flow irrigation scheme Garuhi kuhl in Gram Panchayat Banuri, Holta, Banuri khas, Moli Chak and Band Vihar in Tehsil Palampur District Kangra(HP).

Earnest money:- Rs. 8860.00

(SH)Construction of reinforcement cement concrete channel from RD 4470 to RD 4670 = 200 C/O of 1 No outlet.

Time :- Six 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	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	42.45			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 millimetre 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 millimetre 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 than 0.10 metre thickness) attached pillars, 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 millimetre thick welded with angle iron in frame 30*30*5 millimetre 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					
a)	Vertical surfaces such as walls(any thickness)partitions walls and the like including attached pillars,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/or 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 millimetre(Twenty millimetre) thick cement concrete topping 1:2:3 (One cement is to two to three graded stone aggregate of size 4.75 millimetre 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 millimetre(fifteen millimetre) 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 millimetre in girth and finished even and smooth in 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			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
- 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 tender is
- The work shall be executed as per IPI/HPWD specification and relevant IS codes to the entire
- 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 documents.
- The offer shall be valid fore 120 days from the date of the opening of the tender.
- 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.
- 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
- 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:- ₹ 3,04,471.00

Name of work:- Augmentation & Extension of Water Supply Schem Karor Machhuie, Rangru Nadli, Soura & Garchindi in Tehsil Palampur Distt. Kangra (HP).

Earnest money:- ₹ 6,090.00

(SH)Drilling/lowering of Mini tube well 60 metre deep at lower Chhatter near community hall)

Time :- Three months

Sr. No.	Description of items.	Quantity	Rate in Figure	Words.	Unit	Amount.
1	Transportation of suitable truck/tractor mounted where only road available DTH & ODEX/Perussion Calyx/RC Drilling with portable rigs alongwith necessary accessories etc. to the site of work and erection of portable rig including leveling etc.. complete in all respect as per the direction of Engineer-	1.00			Each	
2	Development of site including levelling at site through all kinds of roads, approaches field etc. in all leads and lifts complete in all respect as per the direction of Engineer-in-charge.	1.00			Each	
3	Drilling tube well of 200mm/220mm mm dia as per IS 2800-1979 using percussion/Calyx/RC/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, PCL, gravel	60.00			Per running metre	
4(a)	Supply and lowering of IS marked electric resistance welded MS pipe 175 mm dia nominal size housing 6.4 mm thickness conforming to IS 4270-2001 with up to date amendments if any, 3 to 6 metres in length , welded without any circumferential joints into bore hole in vertical position including	45.00			Per running metre	
4	Supply and lowering of IS-Marked electric resistance welded mild steel slotted pipe 175 millimetre dia nominal size housing, 6.4 mm thick having outside dia metre 193.70 mm screwed and socketted conforming to IS-4270-2001 with upto date amendments, if any, about 4.00 metres to 7.00 metres	15.00			Each	
5	Providing and fixing casing shoe for 200 mm dia MSERW pipe as per requirement of ODEX attachment complete in all respect as per the direction of Engineer-in-charge.	1.00			Each	
7	Collection and preservation of soil samples in polythene bags complete in all respect as per the direction of Engineer-in-charge.	1.00			Each	
8	Development of tubewell and yield testing with air compressor through V notch and disinfection etc. complete in all respects as per IS 2800-1979 and as per the direction of Engineer-in-charge.	1.00			Each	
9	Development of tubewell by continuous over pumping method with VT pump/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 up to date amendments if any.	8.00			Per hours	
Terms and conditions:-						
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 tracks, approach road, water, electric light etc. If so required shall be made by the contractor					
c)	The department shall be at full liberty to abandon a particular well. If the bore is abandoned to any reason i.e. on accuring hard rock strata, non availability of equifier or any other reason, the contractors shall be paid only for drilling work. In this case the decision of the Engineer-in-charge shall be final.					
d)	No payment shall be released until discharge of the tube well is submitted duly certified by Hydrogeologist and Assistant Engineer concerned.					
e)	A gold silver or other material any relics antiques and other similar things may be found in or upon the site shall be property of the Govt. and contractor shall deliver the same to the persons appointed by the Engineer-in-charge.					
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 specification.					
h)	Any damage done by the contractor to any public/private property during the course of work shall be repaired by the contractor at his own cost.					
i)	All the taxes and other incidental charges shall be borne by the contractor and nothing shall be paid to him on this account.					
j)	All extracted material available during the time of execution shall be stacked properly as desired by the Engineer-in-charge.					
k)	Tubewell assembly shall be got approved from Engineer-in-charge duly recommended from the Sr.Hydrogeologist ground water organisation before lowering.					
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 report to the Engineer-in-charge.					
n)	The contractor shall be responsible for the Govt. material issued to his for use on the work and shall maintain proper account of the same this will be open for inspection by the department officer at any time.					
o)	The rates are inclusive of all types of classifications of soils and as such no claim in respect in the classification shall be accepted.					
p)	The contractor shall obtain order in writing from the Engineer-in-charge about the site where surplus excavated material will be disposed of.					
q)	The royalty charges of stone sand, aggregate etc. used shall be deducted from the bill of the contractor at the rates prescribed by Govt. of Himachal Pradesh from time to time on the basis of the rates notified by the Govt.					
r)	The contractor must taken all precautions to avoid accident by exhibiting day and night necessary caution boards speed limit boards, red flags, red light etc. He shall be responsible for all damages caused by the contractor.					
s)	The contractor shall give complete postal, telegraphic address in tender and also leave the copy of the same in the office of Executive Engineer. All correspondence telegram etc. sent on above shall be at the contractor's cost.					
t)	All the rates give above for drilling, lowering and development of tube well include the cost of carriage, handling insurance and transportation charges of plants and material to the site of work and back to the site.					
u)	The site shall be carried out by the contractor strictly in accordance with the attached in contract specifications and ISI specification as per IS-2800-Part-I-1991 IS 2800-Part-II 1979 and IS 8110-1979.					
v)	The contractor/firm or his authorised representative shall in persons see the proposed site for these works and study specification conditions before tendering.					
w)	The contractor shall clear the site properly after the completion of the work withing 15 days failing which penalty @ Rs.500/-per day will be imposed for 1st fortnight and Rs.1000/- for each subsequent fortnight.					
x)	Tender document shall be submitted by the contractor in one lot (duly sealed) and subsequent correspondence before opening the tender shall not be entertained considered.					
y)	The final payment shall be made to the contractor after handing over the tube well to entire satisfaction of Engineer-in-charge.					

*** SCHEDULE OF QUANTITY ***

Name of work:- Providing water supply scheme to SC habitation Lower Menjha Ward No.5 in Tehsil Palampur District Kangra(HP).
(SH)Providing scour pipe and bye pass arrangement.

Estimated Rs. 121448.00
cost:-
Earnest money:- Rs. 2430.00
Time Three months
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Sr. No.	Description of items.	Qty.	Rate in Figure	Words.	Unit.	Amount.
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1 Laying, jointing and testing in trenches to be levelled to grade, IS marked galvansed iron flanged pipes of following diameters conforming to IS:1239-1990 Part-II (latest with upto date ammendments) having nominal wall thickness as per class of pipe specified below jointed with flanges conforming to table as specified below of BIS: 6392-1971 (latest with upto date ammendments), welded at both ends according to relevant BIS standard and detailed specifications and provided with nuts & bolts of required size, 3mm thick compressed asbestos fibre gasket/synthetic rubber gaskets conforming to relevant BIS codes including all short pieces tees and other specidals etc, made from parent tube and welded with flanges of tables as applicable for the particular reach and approved specification as per site conditions including flushing cleaning and hydraulic testing in all respect to the best satisfaction of the Engineer-in-charge. (Earth work in trenches to be measured & paid for separately) including carriage of materilas within all leads and lifts.

Sr. No.	Dia of pipe	Table No.	Wall thick-ness
a)	125 milimetre	5	4.80
b)	80 milimetre	5	4.80

3 Manufacturing, fixing & testing of mild steel flanged equal/un-equal tee of galvansed pipes, manufactured from parent tubes as mentioned above with welding of all pipes as per relevent IS-codes. The tee shall be so fabricated that internal dia of pipes does not get reduced. The flanges shall be conforming to IS 6392-1971 various table as required (With upto date ammendments). The welding should done on both faces to make the joint leak proof according to relevent BIS standered and specification. The nuts and bolts of required sizes, 3mm thick compressed asbestos fiber gasket or synthetic rubber gasket should be conforming to relevant BIS codes complete in all respect. (The earth work in trenches to be measured and paid for sepately) within all leads and lifts.

Sr. No.	Dia of tee
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a)	250x250x100	MSERW pipe	1.00	Number	Each
b)	100x100x80	Galvanized Iron pipe	1.00	Number	Each
c)	125x125x125	Galvanized Iron pipe	1.00	Number	Each
d)	80x80x80	Galvanized Iron pipe	1.00	Number	Each

4 Manufacturing, fixing & testing of mild steel flanged un-equal connection MSERW pipe and galvanized pipes, manufactured from parent tubes as mentioned above with welding of all pipes within all leads and lifts as per the satisfaction of Engineer-in-charge.

a)	250x250x125	Galvanized Iron pipe	1.00	Number	Each
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4 Supply of Kirtoiskar/Kilburn/IVC/Fouress/Gled/Bhel/Leader/Pelicon/KSB of reputed of suitable size cast iron double flanged sluice valve conforming to IS:780, size equal to dia of suitable size cast iron double flanged sluice valve conforming to IS:780, size equal to dia with hand wheel/cast iron cap and capable to with and knoing nominal sheet pressure of 16 Kg. per squaremetre complete in all respect as per the satisfaction of Engineer-in-charge with in all leads and lifts.

a)	250 milimetre dia	1	Number	Each
b)	125 milimetre dia	2	Number	Each
c)	100 milimetre dia	1	Number	Each
d)	80 milimetre dia	2	Number	Each

5 Manufacturing, fixing & testing of mild steel flanged nipple of galvansed pipes, manufactured from parent tubes as mentioned above with welding of all pipes as per relevent IS-codes. The tee shall be so fabricated that internal dia of pipes does not get reduced. The flanges shall be conforming to IS 6392-1971 various table as required (With upto date ammendments). The welding should done on both faces to make the joint leak proof according to relevent BIS standered and specification. The nuts and bolts of required sizes, 3mm thick compressed asbestos fiber gasket or synthetic rubber gasket should be conforming to relevant BIS codes complete in all respect. (The earth work in trenches to be measured and paid for sepately) within all leads and lifts.

a)	125 milimetre dia	2	Number	Each
b)	100 milimetre dia	1	Number	Each
c)	80 milimetre dia	2	Number	Each

Terms and conditions:-

- Material should be ISI marked.
- The work should be carried out as per HPPWD specifications.
- Nothing shall be paid for the rejected work/material.
- The work should be completed within the stipulated period.
- 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.
- G.I.pipes shall be issued free of cost to the contractor from Divisional store Differpat.

*** SCHEDULE OF QUANTITY ***

Estimated cost:- Rs. 375000.00

Name of work:- Providing Sewerage Scheme to Bajinath and Paprola town in Tehsil Bajinath District Kangra(HP).

Earnest money:- Rs. 7500.00

(SH)Preparation of structural & Hydraulic design and Detailed Project Report complete).

Time :- Three months

Sr. No.	Description of items.	Qty.	Rate in Figure	Words.	Unit	Amount.
1	Preparation of complete detail project report for sewerage scheme to Bajinath & Paprola town including structural design, Hydraulic design & Drawings of net works, STP and processing of detail project report in pentriplicate complete in all respect as per entire satisfaction of Engineer-in-Charge	1.00 Job			Per Cubic	

Terms and conditions:-

- The work should be carried out as per specifications.
- Nothing shall be paid for the rejected work/material.
- The work shall be completed within the stipulated period.
- The statutory taxes and recoveries as applicable shall be deducted from the bill of the Contractor