

Draft Schedule of Quantity					Estimated cost Rs:-	3,70,454	/-only
Name of work:- Remodeling of FIS Ratoli in GP Udaipur Distt. L&S (H.P.) (SH:- C/o Intake/Outlet Chamber, Laying Jointing and Testing HDPE pipe 90mm dia at RD 0 to 1000 (Gravity main) and C/o wire crate work at head of source and RD 130 to 140, 265 to 275).Job-I					Earnest Money Rs:-	7,420	/-only
					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	15.00	Cubic metre			Per cubic metre	
2	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	379.69	Cubic metre			Per cubic metre	
3	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	13.22	Cubic metre			Per cubic meter	
4	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge	1.99	Cubic metre			Per cubic metre	
5	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	5.76	Cubic metre			Per cubic metre	
6	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	3.00	Square metre			Per Square metre	
7	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	15.74	Square metre			Per Square metre	
8	Wire crate of interlink chain filled with boulder with square cut faces against the chain(interlink chain to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	56.50	Cubic metre			Per cubic metre	

9	Wire crate made of interlink chain filled with boulder with square cut faces against the wire (Boulder filling to be measured and paid separately) interlinked chain 5mm thick corresponding to SWG. 6 (15cmX 15cm) mesh as per the direction of Engineer-in-Charge. (Labour Rate)	250.00	Square metre			Per square metre	
10	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be measured and paid for separately).						
(i)	HDPE pipe 90 mm OD PN-6 as (IS: 4984-2016) PE-80 (Double Layer)	2000.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income tax, surcharges on I/Tax and GST.
- 6 Final payment will be made to contractor after successful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs. 380/-bag, steel @ 4450/- Qtl. Interlink chain and HDPE pipes free of cost on proper indents & Challan.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity				Estimated cost Rs:-	4,80,662	/-only	
Name of work:- Remodeling of FIS Ratoli in GP Udaipur Distt. L&S (H.P.) (SH:- C/o CC Lining at RD 1000 to 1330 and C/o wire crate work at RD 1250 to 1275, 1310 to 1330).Job-II				Earnest Money Rs:-	9,620	/-only	
				Time:-	Six months		
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	16.88	Cubic metre			Per cubic metre	
2	Providing Cement Concrete lining of 15 cm thick or less for the Irrigation channel using cement concrete 1:3:6 (1 cement : 3 Sand :6 graded stone aggregate 20mm nominal size) within all lead and lift as per the direction of Engineer in charge.						
i)	Hand mixed concrete lining in the bed.	17.50	Cubic metre			Per cubic metre	
ii	Hand mixed concrete lining on side slope.	21.00	Cubic metre			Per cubic metre	
3	Extra allowances for form work in concrete lining on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	21.00	Cubic metre			Per cubic metre	
4	Wire crate of interlink chain filled with boulder with square cut faces against the chain(interlink chain to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	63.50	Cubic metre			Per cubic metre	
5	Wire crate made of interlink chain filled with boulder with square cut faces against the wire (Boulder filling to be measured and paid separately) interlinked chain 5mm thick corresponding to SWG. 6 (15cmX 15cm) mesh as per the direction of Engineer-in-Charge.(Labour Rate)	281.25	Square metre			Per square metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after successful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity					Estimated cost Rs:-	4,99,629	/-only
Name of work:- Augmentation of WSS to Village Churput in GP Tingret Distt. L&S (H.P.) (SH:- C/o Intake Chamber, Laying Jointing and Testing HDPE pipe 40mm dia at RD 0 to 2500 (Gravity main) and C/o					Earnest Money Rs:-	10,000	/-only
					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	6.88	Cubic metre			Per cubic metre	
2	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-Charge. (Chesiling work)	62.00	Cubic metre			Per cubic metre	
3	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	870.00	Cubic metre			Per cubic metre	
4	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	4.80	Cubic metre			Per cubic meter	
5	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.80	Cubic metre			Per cubic metre	
6	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	3.74	Cubic metre			Per cubic metre	

7	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	2.89	Square metre			Per Square metre	
8	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	3.24	Square metre			Per Square metre	
9	Providing form work with steel plates of 3.15 mm thick welded with angle iron in frames 30x30x5 mm so as to give a fair finish including centring ,shuttering, strutting & propping etc. with wooden battens and ballies, height of propping and centering below supporting floor to ceiling not exceeding 4 meters and removal of the same for-in-situ reinforced concrete and plain concrete work in:-						
i	Flat surfaces such as soffits of suspended floors, roofs, landings and the like, floors etc upto 200 mm in thickness with in all leads and lifts as per direction of Engineer-in-Charge.	0.54	Square metre			Per square metre	
10	Providing Mild/TOR steel reinforcement for RCC work i/c bending, binding & placing in position complete up to floor two level (TOR/Mild steel) in all leads and lifts as per direction of Engineer-in charge.	49.50	Kg			Per kilogram	
11	Providing & Laying cement concrete 1:2:4 (1 cement : 2 sand : 4graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:- Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor two level with in all leads and lifts as per direction of Engineer-in-Charge.	0.26	Cubic metre			Per cubic metre	
12	Providing and fixing man hole cover with angle iron 50x50x4mm thick with base frame) covered with MS Sheet 2mm thick with alllocking arrangements to avoid social activities complete in all leads and lifts as per direction of the Engineer-in-charge.	1.00	Numbers			Each	
13	Wire crate of interlink chain filled with boulder with square cut faces against the chain(interlink chain to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	28.22	Cubic metre			Per cubic metre	
14	Wire crate made of interlink chain filled with boulder with square cut faces against the wire (Boulder filling to be measured and paid separately) interlinked chain 5mm thick corresponding to SWG. 6 (15cmX 15cm) mesh as per the direction of Engineer-in-Charge. (Labour Rate)	150.00	Square metre			Per square metre	
15	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).						

(i)	HDPE pipe 40 mm OD PN-6 as (IS: 4984-2016) PE-80	2500.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

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- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after successful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity				Estimated cost Rs:-	2,97,413	/-only	
Name of work:- Augmentation of WSS to Village Churput in GP Tingret Distt. L&S (H.P.) (SH:- C/o Intake Chamber, Laying Jointing and Testing HDPE pipe 25 mm dia at RD 2500/0-700, RD 2500/0-350, RD				Earnest Money Rs:-	5,950	/-only	
				Time:-	Six months		
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	666.19	Cubic metre			Per cubic metre	
2	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	1.85	Cubic metre			Per cubic meter	
3	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.15	Cubic metre			Per cubic metre	
4	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	2.29	Cubic metre			Per cubic metre	
5	Providing & Laying cement concrete 1:2:4 (1 cement : 2 sand : 4graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation & plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.26	Cubic metre			Per cubic metre	
6	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	6.60	Square metre			Per Square metre	

7	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	13.56	Square metre			Per Square metre	
8	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).						
(i)	HDPE pipe 25 mm OD PN-10 as (IS: 4984-2016) PE-80	1550.00	Running metre			Per running metre	
(i)	HDPE pipe 32 mm OD PN-10 as (IS: 4984-2016) PE-80	350.00	Running metre			Per running metre	
						Total:-	

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- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after sucessful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity				Estimated cost Rs:-	4,49,206	/-only	
Name of work:- Providing of WSS to Village Khanjar from New source in GP Tingret Distt. L&S (H.P.) (SH):				Earnest Money Rs:-	9,000	/-only	
C/o Intake Chamber, Laying Jointing and Testing HDPE pipe 32mm dia at RD 0 to 2200 (Gravity main)				Time:-	Six months		
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	4.69	Cubic metre			Per cubic metre	
3	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	816.75	Cubic metre			Per cubic metre	
4	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	4.80	Cubic metre			Per cubic meter	
5	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.80	Cubic metre			Per cubic metre	
6	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	3.74	Cubic metre			Per cubic metre	
7	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	2.89	Square metre			Per Square metre	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after successful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Draft Schedule of Quantity					Estimated cost Rs:-	2,99,152	/-only
Name of work:- Providing of WSS to Village Khanjar from New source in GP Tingret Distt. L&S (H.P.) (SH):					Earnest Money Rs:-	6,000	/-only
C/o Storage Tank, Laying Jointing and Testing HDPE pipe 25 mm dia at RD 2200/0-200, RD 2200/0-					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	4.50	Cubic metre			Per cubic metre	
2	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	408.38	Cubic metre			Per cubic metre	
3	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	12.87	Cubic metre			Per cubic meter	
4	Providing & Laying cement concrete 1:3:6 (1 cement : 3 sand : 6graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation & plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.82	Cubic metre			Per cubic metre	
5	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.89	Cubic metre			Per cubic metre	
6	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.72	Cubic metre			Per cubic metre	

7	Providing & Laying cement concrete 1:2:4 (1 cement : 2 sand : 4graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:- Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor two level with in all leads and lifts as per direction of Engineer-in-Charge.	0.20	Cubic metre			Per cubic metre	
8	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	4.84	Square metre			Per Square metre	
9	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	10.17	Square metre			Per Square metre	
10	Providing and laying cement concrete 1:1.5:3 (1cement: 1.5 sand: 3graded stone aggregate 20 mm nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in:-						
(a)	Foundation, footings, bases of columns and the like and mass concrete with in all leads and lifts as per the direction of Engineer-in-Charge.	0.72	Cubic metre			Per cubic metre	
(b)	Walls (any thickness but not exceeding 0.1 metre thickness) including attached pilasters, buttresses, plinth and string courses etc. from top of foundation level upto floor two level with in all leads and lifts as per the direction of Engineer-in-Charge.	2.20	Cubic metre			Per cubic metre	
11	Providing & Laying cement concrete 1:2:4 (1 cement : 2 sand : 4graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-.						
i	Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor two level with in all leads and lifts as per direction of Engineer-in-Charge.	0.23	Cubic metre			Per cubic metre	
12	Providing form work with steel plates of 3.15 mm thick welded with angle iron in frames 30x30x5 mm so as to give a fair finish including centring ,shuttering, strutting & propping etc. with wooden battens and ballies, height of propping and centering below supporting floor to ceiling not exceeding 4 meters and removal of the same for-in-situ reinforced concrete and plain concrete work in:-						
i	Flat surfaces such as soffits of suspended floors, roofs, landings and the like, floors etc upto 200 mm in thickness with in all leads and lifts as per direction of Engineer-in-Charge.	1.74	Square metre			Per square metre	

(a)	Veritcal surface such as wall (any thickness) partition and the like including attached pilaster, butresses, plinth and string courses and the like with in all leads and lifts as per the direction of Engineer-in-Charge.	29.37	Square metre			Per square metre	
13	Providing Mild/TOR steel reinforcement for RCC work i/c bending, binding & placing in position complete up to floor two level (TOR/Mild steel) in all leads and lifts as per direction of Engineer-in charge.	347.00	Kg			Per kilogram	
14	Providing and fixing man hole cover with angle iron 50x50x4mm thick with base frame) covered with MS Sheet 2mm thick with alllocking arrangements to avoid social activities complete in all leads and lifts as per direction of the Engineer-in-charge.	1.00	Numbers			Each	
15	Providing and fixing sand cast/cast iron spun spigot and socket soil, waste and ventilating pipe (lead caulked joints to be measured and paid for separately)	1.00	Running metre			Per running metre	
16	Providin Fixing arrangement with 63mm dia, with outlet pipe (HDPE pipe 63mm OD (lead caulked joints to be measured and paid for separately)	6.00	Running metre			Per running metre	
17	Providing & fixing brass full way (with hand wheel) as per I.S. 780 class X 65mm nominal dia class PN-I scour (suction pipe) complete in all respect within all leads and lifts	1.00	Numbers			Each	
18	1.80 metre high fencing with 2.50 metres MS angle iron post with 300mm girth (mimumum) 2.50metre centre to centre with nine horizontal lines and two diagonals of galvanized steel bar bed wire (IS:278-1962 Type-I) weighting 9.38kg/100metre (mimumum) strained and fixed to posts complete within all leads and lifts as per satisfaction and direction of Engineer-in-charge. (Through Rate)	20.00	Running Metre			Per running metre	
19	Steel work welded in built up sections trusses and framed work including cutting ,hoisting fixing in position and applying a priming coat of red lead paint complete with in all leads and lifts as per direction of Engineer-in-Charge.	27.68	Kilogram			Per kilogram	
20	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).						
(i)	HDPE pipe 25 mm OD PN-6 as (IS: 4984-2016) PE-80	1100.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after sucessful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Draft Schedule of Quantity					Estimated cost Rs:-	4,24,644	/-only
Name of work:- Remodeling of FIS Gilding-Bihali in GP Triloknath Distt. L&S (H.P.) (SH:- C/o Intake Chamber, Laying Jointing and Testing HDPE pipe 90 mm dia at RD 150 to 200, RD 1200 to 1800, RD					Earnest Money Rs:-	8,500	/-only
					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	27.31	Cubic metre			Per cubic metre	
2	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	354.38	Cubic metre			Per cubic metre	
3	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	1.09	Cubic metre			Per cubic meter	
4	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.60	Cubic metre			Per cubic metre	
5	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	10.30	Cubic metre			Per cubic metre	

6	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	1.45	Square metre			Per Square metre	
7	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	6.37	Square metre			Per Square metre	
8	Providing Cement Concrete lining of 15 cm thick or less for the Irrigation channel using cement concrete 1:3:6 (1 cement : 3 Sand :6 graded stone aggregate 20mm nominal size) within all lead and lift as per the direction of Engineer in charge.						
i)	Hand mixed concrete lining in the bed.	5.00	Cubic metre			Per cubic metre	
ii)	Hand mixed concrete lining on side slope.	6.00	Cubic metre			Per cubic metre	
9	Extra allowances for form work in concrete linning on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	6.00	Cubic metre			Per cubic metre	
10	Wire crate of interlink chain filled with boulder with square cut faces against the chain(interlink chain to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	42.33	Cubic metre			Per cubic metre	
11	Wire crate made of interlink chain filled with boulder with square cut faces against the wire (Boulder filling to be measured and paid separately) interlinked chain 5mm thick corresponding to SWG. 6 (15cmX 15cm) mesh as per the direction of Engineer-in-Charge. (Labour Rate)	187.50	Square metre			Per square metre	
12	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).						
(i)	HDPE pipe 90 mm OD PN-6 as (IS: 4984-2016) PE-80 (Double Layer)	1300.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after sucessful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity					Estimated cost Rs:-	3,97,574	/-only
Name of work:- Providing WSS to village Salpat I&II in GP Udaipur Distt. L&S (H.P.) (SH:- Laying Jointing and Testing of HDPE Pipe 40 mm dia at 1400 to 1400/0-700, 32 mm dia at RD 700/0-350, 20mm RD					Earnest Money Rs:-	8,000	/-only
					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	31.25	Cubic metre			Per cubic metre	
2	Placing and fixing of already fabricated mild steel tank having clear capacity of 270 litre in position near source complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	3.00	Number			Each	
3	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	610.50	Cubic metre			Per cubic metre	
4	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	19.25	Cubic metre			Per cubic meter	
5	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.98	Cubic metre			Per cubic metre	
6	Providing & Laying cement concrete 1:3:6 (1 cement : 3 sand : 6graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation & plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.82	Cubic metre			Per cubic metre	

7	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.20	Cubic metre			Per cubic metre	
8	Providing & Laying cement concrete 1:2:4 (1 cement : 2 sand : 4graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:- Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor two level with in all leads and lifts as per direction of Engineer-in-Charge.	0.01	Cubic metre			Per cubic metre	
9	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	2.12	Square metre			Per Square metre	
10	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	7.68	Square metre			Per Square metre	
11	Providing and laying cement concrete 1:1.5:3 (1cement: 1.5 sand: 3graded stone aggregate 20 mm nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in:-						
(a)	Foundation, footings, bases of columns and the like and mass concrete with in all leads and lifts as per the direction of Engineer-in-Charge.	1.10	Cubic metre			Per cubic metre	
(b)	Walls (any thickness but not exceeding 0.1 metre thickness) including attached pilasters, butresses, plinth and string concrete etc. from top of foundation level upto floor two level with in all leads and lifts as per the direction of Engineer-in-Charge.	2.97	Cubic metre			Per cubic metre	
12	Providing and laying cement concrete 1:2:4 (1cement: 2sand: 4graded stone aggregate 20 mm nominal size) and curing complete excluding the cost of form work and reinforcement in:-						
a	Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor two levels within all leads and lifts as per direction of Engineer-in-Charge.	0.42	Cubic metre			Per cubic metre	
13	Providing form work with steel plates of 3.15 mm thick welded with angle iron in frames 30x30x5 mm so as to give a fair finish including centring ,shuttering, strutting & propping etc. with wooden battens and ballies, height of propping and centering below supporting floor to ceiling not exceeding 4 meters and removal of the same for-in-situ reinforced concrete and plain concrete work in:-						

a)	Vertical surface such as wall (any thickness) partition and the like including attached pilaster, buttresses, plinth and string courses and the like with in all leads and lifts as per the direction of Engineer-in-Charge.	39.58	Square metre			Per square metre	
b)	Flat surfaces such as soffits of suspended floors, roofs, landings and the like, floors etc upto 200 mm in thickness with in all leads and lifts as per direction of Engineer-in-Charge.	3.33	Square metre			Per square metre	
14	Providing Mild/TOR steel reinforcement for RCC work i/c bending, binding & placing in position complete up to floor two level (TOR/Mild steel) in all leads and lifts as per direction of Engineer-in charge.	493.00	Kg			Per kilogram	
15	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN-10Kg/cm ² working pressure PE-80 grade conforming to IS :4984-2016 complete including fitting within all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be measured and paid for separately). (Scour Pipe 50mm Dia)	6.00	Running metre			Per running metre	
a	Vent pipe 110mm Dia	1.00	Running metre			Per running metre	
16	Providing and fixing man hole cover with angle iron 455x610mm thick with base frame) covered with MS Sheet 2mm thick with alllocking arrangements to avoid social activities complete in all leads and lifts as per direction of the Engineer-in-charge.	1.00	Numbers			Each	
17	Providing & fixing brass full way (with hand wheel) as per I.S. 780 class X 50mm nominal dia class PN-I scour (suction pipe) complete in all respect within all leads and lifts (50mm Dia)	1.00	Numbers			Each	
i	32mm dia	1.00	Numbers			Each	
18	1.80 metre high fencing with 2.50 metres MS angle iron post with 300mm girth (mimum) 2.50metre centre to centre with nine horizontal lines and two diagonals of galvanized steel bar bed wire (IS:278-1962 Type-I) weighting 9.38kg/ 100metre (mimum) strained and fixed to posts complete within all leads and lifts as per satisfaction and direction of Engineer-in-charge. (Labour Rate)	20.00	Running Metre			Per running metre	
19	Steel work welded in built up sections trusses and framed work including cutting ,hoisting fixing in position and applying a priming coat of red lead paint complete with in all leads and lifts as per direction of Engineer-in-Charge.	25.41	Kilogram			Per kilogram	
20	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be measured and paid for separately).						
(i)	HDPE pipe 40 mm OD PN-10 as (IS: 4984-2016) PE-80	700.00	Running metre			Per running metre	
(ii)	HDPE pipe 32 mm OD PN-10 as (IS: 4984-2016) PE-80	350.00	Running metre			Per running metre	

(iii)	HDPE pipe 20 mm OD PN-12.50 as (IS: 4984-2016) PE-80	300.00	Running metre			Per running metre	
(iii)	HDPE pipe 50 mm OD PN-10 as (IS: 4984-2016) PE-80	500.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

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- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after successful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity					Estimated cost Rs:-	4,91,061	/-only
Name of work:- Providing WSS to village Salpat I&II in GP Udaipur Distt. L&S (H.P.) (SH:- P/F of MS Tank 270 ltrs capacity, C/o Crate work head of source, Laying Jointing and Testing of HDPE Pipe 50mm dia					Earnest Money Rs:-	9,850	/-only
					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	31.25	Cubic metre			Per cubic metre	
2	Placing and fixing of already fabricated mild steel tank having clear capacity of 270 litre in position near source complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	3.00	Number			Each	
3	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	831.60	Cubic metre			Per cubic metre	
4	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	13.93	Cubic metre			Per cubic meter	
5	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.40	Cubic metre			Per cubic metre	
6	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.20	Cubic metre			Per cubic metre	

7	Providing & Laying cement concrete 1:2:4 (1 cement : 2 sand : 4graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:- Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor two level with in all leads and lifts as per direction of Engineer-in-Charge.	0.01	Cubic metre			Per cubic metre	
8	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	2.12	Square metre			Per Square metre	
9	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	7.68	Square metre			Per Square metre	
10	Wire crate of interlink chain filled with boulder with square cut faces against the chain(interlink chain to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	57.60	Cubic metre			Per cubic metre	
11	Wire crate made of interlink chain filled with boulder with square cut faces against the wire (Boulder filling to be measured and paid separately) interlinked chain 5mm thick corresponding to SWG. 6 (15cmX 15cm) mesh as per the direction of Engineer-in-Charge. (Labour Rate)	250.00	Square metre			Per square metre	
12	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).						
(i)	HDPE pipe 50 mm OD PN-10 as (IS: 4984-2016) PE-80	1500.00	Running metre			Per running metre	
(ii)	HDPE pipe 32 mm OD PN-10 as (IS: 4984-2016) PE-80	800.00	Running metre			Per running metre	
(iii)	HDPE pipe 20 mm OD PN-12.50 as (IS: 4984-2016) PE-80	220.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after sucessful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity					Estimated cost Rs:-	3,75,188	/-only
Name of work:- Remodeling of FIS Salpat (Phase I&II) in GP Udaipur Distt. L&S (H.P.) (SH:- C/o Intake chamber 1 Nos, Laying Jointing and Testing HDPE pipe 90 mm dia at RD 0 to 250 Rmt (Two Layer) C/o					Earnest Money Rs:-	7,550	/-only
					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Cutting in earth work and disposal of excavated earth in all kind of soil such as pick work, jumper work, blasting work in soft/ hard rock or chiseling wedging, out soft/ hard rock where blasting is prohibited i/c all leads and lifts complete as per direction of Engineer-in-charge.	22.60	Cubic metre			Per cubic metre	
2	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	165.00	Cubic metre			Per cubic metre	
3	Excavation in earth work and disposal of all excavated earth upto lead of 20 metre and lift upto 1.50 metre, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge	13.22	Cubic metre			Per cubic meter	
3	C/O Dry rubble masonry in breast wall and retaining wall revetment walls and parapets etc. with in all leads and lifts as per satisfaction and direction of Engineer-in-charge.	13.60	Cubic metre			Per cubic metre	
4	Providing & Laying cement concrete 1:3:6 (1 cement : 4 sand : 8 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.11	Cubic metre			Per cubic metre	
5	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.99	Cubic metre			Per cubic metre	

5	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	5.76	Cubic metre			Per cubic metre	
6	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	4.45	Square metre			Per Square metre	
7	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	15.74	Square metre			Per Square metre	
8	Providing Cement Concrete lining of 15 cm thick or less for the Irrigation channel using cement concrete 1:3:6 (1 cement : 3 Sand :6 graded stone aggregate 20mm nominal size) within all lead and lift as per the direction of Engineer in charge.						
i)	Hand mixed concrete lining in the bed.	9.00	Cubic metre			Per cubic metre	
ii)	Hand mixed concrete lining on side slope.	5.40	Cubic metre			Per cubic metre	
9	Extra allowances for form work in concrete lining on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	5.40	Cubic metre			Per cubic metre	
10	Stone filling behind the R/ wall also under the flooring etc.including all leads and lift the direction of Engineer-in-charge.	4.50	Cum			Per cubic metre	
11	Providing Mild/TOR steel reinforcement for RCC work i/c bending, binding & placing in position complete up to floor two level (TOR/Mild steel) in all leads and lifts as per direction of Engineer-in charge.	104.54	Kilogram			Per kilogram	

12	Wire crate of interlink chain filled with boulder with square cut faces against the chain(interlink chain to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	31.26	Cubic metre			Per cubic metre	
13	Wire crate made of interlink chain filled with boulder with square cut faces against the wire (Boulder filling to be measured and paid separately) interlinked chain 5mm thick corresponding to SWG. 6 (15cmX 15cm) mesh as per the direction of Engineer-in-Charge. (Labour Rate)	125.00	Square metre			Per square metre	
14	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be measured and paid for separately).						
(i)	HDPE pipe 90 mm OD PN-6 as (IS: 4984-2016) PE-80	500.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after successful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity				Estimated cost Rs:-	65363	/-only	
Name of work:- Providing WSS to Govt S.S. School Shansha in GP Shansha Distt. L&S (H.P.) (SH:- Laying				Earnest Money Rs:-	1,350	/-only	
Jointing and Testing of HDPE Pipe 20 mm dia at 1270/0-500 and C/o Stand Post=1 No).				Time:-	Six months		
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	121.84	Cubic metre			Per cubic metre	

2	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.33	Cubic metre			Per cubic metre	
3	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	1.20	Cubic metre			Per cubic metre	
4	Providing & Laying cement concrete 1:2:4 (1 cement : 2 sand : 4graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation & plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.07	Cubic metre			Per cubic metre	
5	Cement concrete flooring 1:2:4 (1cement :2sand 4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement 50mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	2.52	Square metre			Per Square metre	
6	20 mm cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level including arises, internal rounded angles chamfers and/ or rounded angles not exceeding 80mm in girth and finished even and smooth in CM 1:3 (1cement : 3sand) in all leads and lifts as per the direction of Engineer-in-Charge.	7.68	Square metre			Per Square metre	
7	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be measured and paid for separately).						
(i)	HDPE pipe 20 mm OD PN-12.50 as (IS: 4984-2016) PE-80	500.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after successful testing of the work done.
- 7 Cement & Steel will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs.
- 8 Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity				Estimated cost Rs:-	4,78,287	/-only	
Name of work:- Remodeling of WSS Stingri in GP Yournath Distt. L&S (H.P.) (SH:- P/F MS Tank 270 ltrs capacity and Laying Jointing and Testing of HDPE pipe at RD 0 to 3200 20mm dia 3200/0-300, 3200/0-				Earnest Money Rs:-	9,600	/-only	
				Time:-	Six months		
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Placing and fixing of already fabricated mild steel tank having clear capacity of 270 litre in position near source complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	1.00	Number			Each	
2	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of each work such as pick work, jumper work, saturated soil including bailing or pumping out of water, blasting soft or hard rock or chiselling or wedging out of soft/ hard rock, where blasting is prohibited, in all lifts including trimming and dressing of sides, levelling of beds to correct grade including shoring, strutting, planking, timbering and dewatering where ever required. Stacking usable and unusable material/ soil separately and after laying, jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed within all leads/ lifts including restoration of unmetalled surfaces to its original condition and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts as per direction of Engineer-in-Charge.	1197.00	Cubic metre			Per cubic metre	
3	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN 10kgf /cm ² working pressure having grade (PE-80) as per IS :4984-2016 complete with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).						
(a)	HDPE pipe 32 mm OD PN-10 as (IS: 4984-2016) PE-80	3200.00	Running metre			Per running metre	
(a)	HDPE pipe 20 mm OD PN-12.50 as (IS: 4984-2016) PE-80	600.00	Running metre			Per running metre	
						Total:-	

TERMS AND CONDITIONS.

- 1 The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of
- 2 The contractor shall be responsible for watch and ward of material at site of work.
- 3 Nothing shall be paid to the contractor for the rejected work.
- 4 Security, Income Tax, GST will be deducted from the contractor as per relevant clause.
- 5 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as
- 6 Final payment will be made to contractor after sucessful testing of the work done.
- 7 HDPE pipe will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S free of cost

**Executive Engineer,
IPH Division Keylong.**

Schedule of Quantity				Estimated cost Rs:-	299250/-	/-only	
				Earnest Money Rs:-	6000/-	/-only	
Name of work:- Preparation of DPR's for various works under HIMCAD under IPH Division Keylong Distt. (L&S)							
S.H :-Preparation of DPR 's under HIMCAD Project.							
S.No.	Description of item	Quantity	Unit	Time:-		One Month	
				In Fig	In words		
				Rate		Unit	Amount
1	Preparation of DPR's for HIMCAD Projects as per the details given below including preparation of Geo Tagged Plans and L-Sections in AutoCAD by taking help from Google Earth/ other sources, designing the complete irrigation network, preparation of cost estimates in accordance with the established IPH norms to the . The scope of work shall include submission of four copies of the DPR (one in colour and three in black and white) within a period of one month. The consultant shall take formal approval of each DPR in Soft Copy from concerned Assistant/ Junior Engineer and incorporate their comments in the DPR before submitting final printouts complete with in all respects as per entire satisfaction of Engineer-in-Charge.	19.00	Per job			Per job	
						Total:-	

TERMS AND CONDITIONS.

- 1 The design for HIMCAD should be executed as per HPIPH specification and to the entire satisfaction of
- 2 The time for completion of work shall be one month.
- 3 The contractor shall have to produce soft copies of DPR's in Excel and drawings in auto cad.
- 4 The estimate shall be based on the scope of work provided by the concerned junior engineer.
- 5 80% Payment shall be released on the submission of seven sets of DPR's in hard and soft copies and
- 6 The history and scope of work shall be provided by the concerned junior engineer.
- 7 No time extension shall be granted and penalty @10% per forth night for late submission of DPR;s.
- 8 Security, Income Tax, Sale Tax will be deducted from the contractor as per relevant clause.
- 9 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as

**Executive Engineer,
IPH Division Keylong.**