

Schedule of Quantity						Estimated cost Rs:-	9,99,905	/-only
Name of work:-Extension of FIS Rarik from Chhika Nallah in GP Darcha Distt. L&S (HP). (SH:- C/o C.C. lining at RD 680 to 918, C/o collection and outlet chamber= 7 Nos., C/o Retaining wall at various RDs., C/o Crate work various RDs= 17.5 mtr, C/o patra cutting & laying, jointing & testing of HDPE						Earnest Money Rs:-	20,000	/-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.	640.94	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.	695.67	Cubic metre			Per cubic metre		
3	Providing & Laying cement concrete 1:6:12 ( 1 cement : 6 sand : 12 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.	5.76	Cubic metre			Per cubic metre		
4	Providing & Laying cement concrete 1:3:6( 1 cement : 3 sand : 6 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.	3.53	Cubic metre			Per cubic metre		
5	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.	2.40	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.	6.47	Cubic metre			Per cubic metre		
©	Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor tow levels with in all leads and lifts as per direction of Engineer-in-Charge.	1.64	Cubic metre			Per cubic metre		
6	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:-Veritcal surface such as wall ( any thickness) partion 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.	92.75	Square metre			Per square metre		

7	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.	739.00	Kilogram			Per kilogram		
8	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.	34.56	Cubic metre			Per cubic metre		
9	Providing Cement Concrete lining of the 15 cm thick or less for the Irrigation channel using cement concrete 1:3:6 (1 cement : 3 Sand :6 graded stone aggregate ) within all lead and lift as per the direction of Engineer in charge.							
a)	Hand mixed concrete lining in the bed.	7.14	Cubic metre			Per cubic 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.	261.80	Square metre			Per square metre		
11	Wire crate of G.I. wire filled with boulder with square cut faces against the wire ( wire crates to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	39.07	Cubic metre			Per cubic metre		
12	Wire crate made of G.I. wire filled with boulder with square cut faces against the wire ( Boulder filling to be measured and paid separately) G.I. Wire 5mm thick corresponding to SWG. 6 15cmX 15cm mesh as per the direction of Engineer-in-Charge. <b>(Labour Rate)</b>	156.26	Square metre			Per square metre		
13	Laying, Jointing & Testing of HDPE pipe in trenches 4.00Kg PN-4Kgf/cm <sup>2</sup> working pressure PE-80 garde conforming to IS :4884-1998 complete including fitting i.e. socket of HDPE pipe 180mm OD PN-6 PE-80 with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).							
	HDPE pipe160 mm OD PN-6 as (IS: 4884-1998) PE-80	1110.00	Running metre			Per running metre		
	HDPE pipe 63 mm OD PN-6 as (IS: 4884-1998) PE-80 for scour pipe	21.00	Running metre			Per running metre		
<b>TERMS AND CONDITIONS.</b>						<b>Total:-</b>		
1	The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of Engineer-in-Charge.							
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 income tax, surcharges on I/Tax and GST.							
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. 380/-bag, steel @ 4450/- Qtl. and HDPE pipes & G.I. wire free of cost on proper indents & Challan.						Executive Engineer, IPH Division Keylong.	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.							

Schedule of Quantity						Estimated cost Rs:-	3,01,423	/-only
Name of work:- Tapping additional source of WSS Krozing in GP Tandi Distt. Lahaul Spiti (HP). (SH:-						Earnest Money Rs:-	6,100	/-only
Fixing of MS Tank 270 lit, C/o Storage tank 5000 lit., C/o stand post & laying, jointing & testing of						Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount	
				In Fig	In words			
1	Fixing of M.S. Sheet Storage tank welded around in double layer in each side complete with 40mm nominal bore GI scour pipe with fitting and mosquito proofing coupling of approved municipal design 15mm nominal bore ball valve and mosquito proof cover within all leads and lifts as per satisfaction and 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.	565.33	Cubic metre			Per cubic metre		
3	Providing & Laying cement concrete 1:4:8 ( 1 cement : 4 sand : 8graded stone aggregate 40mm 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-incharge.	0.82	Cubic metre			Per cubic metre		
4	Providing & Laying cement concrete 1:3:6 ( 1 cement : 3 sand : 6 graded stone aggregate 40mm 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.	0.41	Cubic metre			Per cubic metre		
5	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.	0.88	Cubic metre			Per cubic metre		
(b)	Walls (any thickness but not exceeding 0.1 metre thickness) including attached pilasters, buttresses, 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.	2.33	Cubic metre			Per cubic metre		
©	Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor tow levels with in all leads and lifts as per direction of Engineer-in-Charge.	0.36	Cubic metre			Per cubic metre		
6	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)	Veritcal surface such as wall ( any thickness) partion 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.	31.07	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.	2.86	Square metre			Per square metre	
7	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.	358.00	Kilogram			Per kilogram	
8	Laying , jointing and testing of GI pipe 50mm dia for Scour pipe with in all leads and lifts as per direction of Engineer-in-Charge	6.00	Running metre			Per running metre	
9	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.	0.06	Cubic metre			Per cubic metre	
10	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.	1.14	Cubic metre			Per cubic metre	
11	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.	2.42	Square metre			Per square metre	
12	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.	7.48	Square metre			Per square metre	
13	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN-6Kgf/cm <sup>2</sup> working pressure PE-63 garde conforming to IS :4984-1998 complete including fitting with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).						
	<b>HDPE pipe 20mm OD PN-10 as (IS: 4984-1998) PE-63</b>	230.00	Running metre			Per running metre	
	<b>HDPE pipe 32mm OD PN-10 as (IS: 4984-1998) PE-63</b>	1200.00	Running metre			Per running metre	
<b>TERMS AND CONDITIONS.</b>						<b>Total:-</b>	

1	The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of Engineer-in-Charge.						
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 othe deductions such as income tax, surcharges on I/Tax and GST.						
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. 380/-bag, steel @ 4450/- Qtl. 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.						
						<b>Executive Engineer,</b>	
						<b>IPH Division Keylong.</b>	

Schedule of Quantity							Job No.3	
<b>Name of work:- Providing WSS to village Dallang from additional source in GP Gondhla Distt. Lahaul Spiti (HP). (SH:- C/o intake chamber, C/o wire crate, C/o storage tank 10000 lit capacity, Laying, jointing &amp; testing of HDPE pipe of various dia, C/o stand post=1No.).</b>					<b>Estimated cost Rs:-</b>		<b>5,58,428</b>	<b>/-only</b>
					<b>Earnest Money Rs:-</b>		<b>11,200</b>	<b>/-only</b>
					<b>Time:-</b>		<b>Six months</b>	
S.N o.	Description of item	Quantit y	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 including all leads and lifts complete as per direction of Engineer-in-charge.	15.98	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.	895.64	Cubic metre			Per cubic meter		
3	Providing & Laying cement concrete 1:3:6 ( 1 cement : 3 sand : 6 graded stone aggregate 40mm 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.	2.15	Cubic metre			Per cubic metre		
4	Providing & Laying cement concrete 1:2:4 ( 1 cement : 2 sand : 4 graded 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.	1.12	Cubic metre			Per cubic metre		
5	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.	1.39	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.	4.04	Cubic metre			Per cubic metre		
©	suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor tow levels with in all leads and lifts as per direction of Engineer-in-Charge.	0.81	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.	0.57	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 40mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	1.65	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.	3.30	Square metre			Per square metre	
9	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.	603.40	Kilogram			Per kilogram	
10	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 walls (any thickness) partitions and the like including attached pilasters buttresses, plint hand string courses and the like with in all leads and lifts as per direction of Engineer-in-Charge.	54.38	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.	6.27	Square metre			Per square metre	
c)	Edges of slabs & breaks in floors & wall under 20 cm wide with in all leads and lifts as per direction of Engineer-in-Charge.	9.12	Running metre			Per running metre	
11	Providing and fixing CI man hole cover with locking arrangement with in all leads and lifts as per direction of Engineer-in-Charge.	1.00	Number			Each	
12	Providing and fixing 2.50 metres R.C.C posts 3 metres centre to centre and R.C.C. struts with 9 horizontal lines and two diagonals lines and two diagonals of galvanised steel bar bed wire (IS 278-1962tupe I) weighting 9.38Kg/ 100 metres (minimum) strained and fixed to posts by tying to 6mm galvanised steel bar nails/ clips with G.I. binding wire (cost of R.C.C. struts and straining bolts shall be paid separately) complete within all leads and lifts as per satisfaction and direction of Engineer-in-charge. <b>(Labour Rate)</b>	30.00	Running Metre			Per running metre	
13	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.	112.52	Kilogram			Per kilogram	
14	Wire crate of interlink chain filled with boulder with square cut faces against the chain( interlink chanin to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	31.25	Cubic metre			Per cubic metre	

15	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. <b>(Labour Rate)</b>	125.00	Square metre			Per square metre	
16	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN-6Kgf/cm <sup>2</sup> working pressure PE-63 grade conforming to IS :4984-1998 complete including fitting with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be measured and paid for separately).						
	<b>HDPE pipe 20 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	250.00	Running metre			Per running metre	
	<b>HDPE pipe 40mm OD PN-10 as (IS: 4984-1998) PE-63</b>	2000.00	Running metre			Per running metre	
<b>TERMS AND CONDITIONS.</b>						<b>Total:-</b>	
1	The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of Engineer-in-Charge.						
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 othe deductions such as income tax, surcharges on						
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. 380/-bag, steel @					<b>Executive Engineer,</b>	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.					<b>IPH Division Keylong.</b>	

Schedule of Quantity								Job-4
<b>Name of work:- Improvement of FIS Khangsar by providing HDPE pipe in GP Kolang Distt. Lahaul Spiti (HP). (SH:- C/o intake chamber, C/o wire crate at RD 0 to 20, C/o patra cutting at RD 20 to 200, C/o laying CC 1:2 casing over HDPE pipe at RD 360 to 700 &amp; Laying, jointing &amp; testing of HDPE pipe</b>						<b>Estimated cost Rs:-</b>	<b>3,43,171</b>	<b>/-only</b>
						<b>Earnest Money Rs:-</b>	<b>6,700</b>	<b>/-only</b>
						<b>Time:-</b>	<b>Six months</b>	
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 including all leads and lifts complete as per direction of Engineer-in-charge.	146.41	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.	474.38	Cubic metre			Per cubic meter		
3	Providing & Laying cement concrete 1:3:6 ( 1 cement : 3 sand : 6 graded stone aggregate 40mm 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.	0.34	Cubic metre			Per cubic metre		
4	Providing & Laying cement concrete 1:2:4 ( 1 cement : 2 sand : 4 graded 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.	11.18	Cubic metre			Per cubic metre		
5	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.	0.17	Cubic metre			Per cubic metre		
(b)	Walls (any thickness but not exceeding 0.1 metre thickness) including attached pilasters, buttresses, 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.	0.69	Cubic metre			Per cubic metre		
©	suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor tow levels with in all leads and lifts as per direction of Engineer-in-Charge.	0.17	Cubic metre			Per cubic metre		



6	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.	93.00	Kilogram			Per kilogram		
7	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 walls (any thickness) partitions and the like including attached pilasters buttresses, plint hand string courses and the like with in all leads and lifts as per direction of Engineer-in-Charge.	9.72	Square metre			Per square metre		
8	Wire crate of G.I. wire filled with boulder with square cut faces against the wire ( wire crates to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	42.97	Cubic metre			Per cubic metre		
9	Wire crate made of G.I. wire filled with boulder with square cut faces against the wire ( Boulder filling to be measured and paid separately) G.I. Wire 5mm thick corresponding to SWG. 6 15cmX 15cm mesh as per the direction of Engineer-in-Charge. <b>(Labour Rate)</b>	250.00	Square metre			Per square metre		
10	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN-6Kgf/cm <sup>2</sup> working pressure PE-63 grade conforming to IS :4984-1998 complete including fitting with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).							
	<b>HDPE pipe 90 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	1400.00	Running metre			Per running metre		
<b>TERMS AND CONDITIONS.</b>						<b>Total:-</b>		
1	The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of Engineer-in-Charge.							
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							
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. 380/-bag, steel @				<b>Executive Engineer,</b>			
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.				<b>IPH Division Keylong.</b>			

Schedule of Quantity							Job-5
<b>Name of work:- Restoration of snow damages to FIS Tamloo in GP Chimret Distt. Lahaul Spiti (HP).            (SH:- C/o crate work =20mtr, C/o CC lining = 80 mtr, C/o edge wall= 30 mtr, L/J/T of HDPE pipe            160mm dia &amp; C/o outlet/ intel chamber).</b>					Estimated cost Rs:-	3,24,724	/-only
					Earnest Money Rs:-	6,500	/-only
					Time:-	Six months	
S.N o.	Description of item	Quantit y	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 prohbibited including all leads and lifts complete as per direction of Engineer-in-charge.	21.19	Cubic metre			Per cubic metre	
2	Removal of slips in all kind of soil ( including saturated soil but excluding boulder and rocky portionrequiing blasting upto a distance of 20 metres disposing of unservicable material stacking serviceable material and neatly dressing the surface as per direction of Engineer -in-Charge.	198.00	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.	29.30	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 & plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.88	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.	11.91	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.	4.25	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.	8.00	Square metre			Per square metre		
8	Providing Cement Concrete lining of the 15 cm thick or less for the Irrigation channel using cement concrete 1:3:6 (1 cement : 3 Sand :6 graded stone aggregate ) within all lead and lift as per the direction of Engineer in charge.							
a)	Hand mixed concrete lining in the bed.	5.20	Cubic metre			Per cubic metre		
b)	Hand mixed concrete lining on side slope.	7.20	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.	7.20	Cubic metre			Per cubic metre		
10	Wire crate of interlink chain filled with boulder with square cut faces against the chain( interlink chanin to be measured and paid separately) in all leads and lifts as per the direction of Engineer-in-Charge.	54.69	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. <b>(Labour Rate)</b>	262.50	Square metre			Per square metre		
12	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN-6Kgf/cm <sup>2</sup> working pressure PE-63 grade conforming to IS :4984-1998 complete including fitting with in all lead and lift as per direction of Engineer-in-Charge (earth work in trenches to be meausred and paid for separately).							
	<b>HDPE pipe 160 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	42.00	Running metre			Per running metre		
<b>TERMS AND CONDITIONS.</b>						<b>Total:-</b>		
1	The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of Engineer-in-Charge.							
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							
6	Final payment will be made to contractor after sucessful testing of the work done.							
7	Cement will be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs. 380/-bag and HDPE pipes &						<b>Executive Engineer,</b>	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.						<b>IPH Division Keylong.</b>	

Schedule of Quantity							Job-6
Name of work:- Stock storage. (SH:- Providing and fixing barbed wire fencing with RCC posts around Divisional store building at Gondhla).					Estimated cost Rs:-	5,46,788	/-only
					Earnest Money Rs:-	11,000	/-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.	92.75	Cubic metre			Per cubic meter	
2	Providing & Laying cement concrete 1:6:12 ( 1 cement : 6 sand : 12 graded stone aggregate 40mm 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.	13.29	Cubic metre			Per cubic metre	
3	Providing & Laying cement concrete 1:3:6 ( 1 cement : 3 sand : 6 graded 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.	16.67	Cubic metre			Per cubic metre	
4	Providing and laying cement concrete 1:2:4 ( 1cement: 2 sand: 4 graded stone aggregate 20 mm nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in 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.	7.88	Cubic metre			Per cubic metre	
5	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 walls (any thickness) partitions and the like including attached pilasters buttresses, plint hand string courses and the like with in all leads and lifts as per direction of Engineer-in-Charge.	210.00	Square metre			Per square metre	

6	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.	1470.00	Kilogram			Per kilogram	
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.	59.80	Cubic metre			Per cubic metre	
8	20mm cement concrete topping 1:2:3 (1cement : 2 to 3 stone aggregate of size 4.75mm and below, by volume) laid over and finished monolithic with base concrete with in all leads and lifts as per direction of Engineer-in-Charge.	132.89	Square metre			Per square metre	
9	1.80 metre high fencing with 2.5 metre RCC post with 30mm girth (minimum) 2.50 metre centre to centre with nine horizontal lines and two diagonals of galvanised steel barbed wire ((IS:278-1962 Type-I) weighting 9.38Kg/per 100 metre (minimum) strained and fixed to posts with GI Staples complete cost of post, struts and straining bolts etc. complete within all leads and lifts as per satisfaction and direction of Engineer-in-charge. <b>(Labour Rate)</b>	361.00	Running Metre			Per running metre	
10	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.	130.00	Kilogram			Per kilogram	
11	Providing and fixing lock of superior quality of Harison make complete in all leads and lifts as per the direction of Engineer-in-Charge.	5.00	Number			Each	
12	Providing and fixing sliding door bolt of superior quality complete as per the direction of Engineer-in-Charge. <b>(250x16mm)</b>	2.00	Number			Each	

<b>TERMS AND CONDITIONS.</b>				<b>Total:-</b>	
1	The work should be executed as per PWD/ HPIPH specification and to the entire satisfaction of Engineer-in-Charge.				
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 othe deductions such as income tax, surcharges on				
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. 380/-bag, steel @			<b>Executive Engineer,</b>	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.			<b>IPH Division Keylong.</b>	