

								Job-1
<b>Schedule of Quantity</b>						<b>Estimated cost Rs:-</b>	<b>1,75,367</b>	<b>/-only</b>
<b>Name of work:-Restoration of snow damages to FIS Baror in GP Tindi Distt. Lahaul Spiti (HP). (SH:- Protection work with wire crate embankment at RD 1125 to 1140 &amp;C/o RCC channel at RD 1122 to 1142).</b>						<b>Earnest Money Rs:-</b>	<b>3,600</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.	18.75	Cubic metre			Per cubic metre		
2	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.	93.75	Cubic metre			Per cubic metre		
3	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>	412.50	Square metre			Per square metre		
4	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 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.	1.30	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.	1.80	Cubic metre			Per cubic metre		
5	Providing tor steel reinforcement for RCC work i/c bending, binding & placing in position complete up to floor two level in all leads and lifts as per direction of Engineer-in charge.	161.20	Kilogram			Per kilogram		
6	Extra allowances for form work in concrete lining on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	1.80	Cubic metre			Per cubic 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. & Interlinked chain 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**

**Name of work:- Restoration of FIS Meh in GP Kolong Distt. L&S (HP). (SH:- C/o Crate work at RD 0 to 30 mtr, C/o CC lining at RD 0 to 105, RD 555 to 570, RD 690 to 735, RD 990 to 1020=195 mtr & C/o R/wall at RD 705 to 720= 15 mtr).**

**Estimated cost Rs:-**

**3,27,474**

**/-only**

**Earnest Money Rs:-**

**7,200**

**/-only**

**Time:-**

**Six Month**

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 i/c all leads and lifts complete as per direction of Engineer-in-charge.	43.35	Cubic metre			Per cubic metre	
2	Excavation in drains and channsl etc. in earth work including dressing of sides and beds and disposing of excavated earth upto 20 mtr and lift up 1.5 mtr disposed earth to be levelled and neatly dressed with in all leads and lifts as per direction of Engineer-in-charge.	23.40	Cubic metre			Per cubic metre	
3	Excavation in earth work and disposal of all excavated earth upto a lead of 20 metre and lift upto 1.50 metres, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge.	2.93	Cubic metre			Per cubic meter	
4	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.	93.75	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. <b>(Labour Rate)</b>	375.00	Square metre			Per square metre	
6	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.	11.70	Cubic metre			Per cubic metre	
b)	Hand mixed concrete lining on side slope.	11.70	Cubic metre			Per cubic metre	
7	Extra allowances for form work in concrete linning on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	11.70	Cubic metre			Per cubic metre	
8	Providing and laying cement concrete 1:6:12 ( 1cement: 6 sand: 12 graded stone aggregate 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	2.93	Cubic metre			Per cubic metre	

9	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.	18.01	Cubic metre			Per cubic 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 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. 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**

<b>Name of work:- Remodeling of WSS Marble in GP Tandri Distt. L&amp;S (HP). (SH:- C/o intake chamber, C/o storage tank= 5000 lit. capacity, Laying, jointing &amp; testing of HDPE pipe of various dis, &amp; C/o stand post).</b>								
						<b>Estimated cost Rs:-</b>	<b>3,91,345</b>	<b>/-only</b>
						<b>Earnest Money Rs:-</b>	<b>7,900</b>	<b>/-only</b>
						<b>Time:-</b>	<b>Six Month</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 i/c all leads and lifts complete as per direction of Engineer-in-charge.	5.70	Cubic metre			Per cubic metre		
2	Excavation in earth work and disposal of all excavated earth upto a lead of 20 metre and lift upto 1.50 metres, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge.	12.31	Cubic metre			Per cubic meter		
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.	601.98	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.	2.60	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.	2.12	Cubic metre			Per cubic metre		
5	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 in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	1.58	Cubic metre			Per cubic metre		

6	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.	1.15	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.	3.68	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.	0.65	Cubic metre				Per cubic 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.	504.60	Kilogram				Per kilogram
8	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, 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 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.	48.24	Square metre				Per square metre
b)	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.	4.79	Square metre				Per square metre
9	Providing and fixing steel/ fibre reinforcement concrete (SRFC) manhole cover with frame conforming to IS-12592 (Part-I) 1998 with latest ammendment 560mm dia emedium duty Cwith in all lead and lifts .	1.00	Numbers				Each
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.	4.40	Cubic metre				Per cubic metre
11	Stone soiling properly hand packed filling interstices with kharanja stone and consolidating with power roller to the required gradient and camber including spreading watering and rolling of hiding materials and rolling of hiding materials moorum or earth etc. within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	2.00	Cubic metre				Per cubic metre

10	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 abre bed wire (IS:278-1962 Type-I) weighting 9.38kg/100metre (mimumum) strained and fixed to posts with GI staples including coal tarring of including coal tarring of ballies complete cost of post, strut and staining bolts etc. complete within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	34.00	Running Metre			Per running metre		
11	Providing and fixing C.I. man hole cover and frame (Light duty) of internal dimentation 610x455mm rectangular having wt. of vocer and frame to be not less than 38kg (wt. of frame 15Kg & wt. of cover 23kg) with in all lead and lifts (Medium duty)	1.00	Numbers			Each		
12	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.	112.51	Kilogram			Per kilogram		
13	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN-6Kgf/cm^2 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 32 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	950.00	Running metre			Per running metre		
	<b>HDPE pipe 20 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	650.00	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 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.	

<b>Schedule of Quantity</b>							<b>Job-4</b>	
<b>Name of work:- Providing water supply scheme to village Khangsar from additional source in GP Khangsar Distt. L&amp;S (HP). (SH:- Fixing of MS Tank 270 liut capacity, Laying, jointing &amp; testing of HDPE pipe of various dis &amp; providing and fixing barbed wire fencing around the civil structure).</b>					<b>Estimated cost Rs:-</b>		<b>3,27,474</b>	<b>/-only</b>
					<b>Earnest Money Rs:-</b>		<b>6,600</b>	<b>/-only</b>
					<b>Time:-</b>		<b>Six Month</b>	
<b>S.N o.</b>	<b>Description of item</b>	<b>Quantit y</b>	<b>Unit</b>	<b>Rate</b>		<b>Unit</b>	<b>Amount</b>	
				<b>In Fig</b>	<b>In words</b>			
1	Placing and Fixing of already fabricated mild steel tank having clear capacity of 270 liter in position near source complete in all respects within all leads and lifts as per direction of the Engineer-in-charge.	1	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.	892.50	Cubic metre			Per cubic meter		
3	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 in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	0.73	Cubic metre			Per cubic metre		
4	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:-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.	0.51	Cubic metre			Per cubic metre		
5	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.	63.00	Kilogram			Per kilogram		

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, 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 foundation, footing , basis of columns etc.and mass concrete the like with in all leads and lifts as per direction of Engineer-in-Charge.	3.38	Square metre			Per square metre		
7	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>	20.00	Running Metre			Per running metre		
8	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.	30.44	Kilogram			Per kilogram		
9	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 40 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	2700.00	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 free of cost on proper indents & Challan.						Executive Engineer,	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.						IPH Division Keylong.	



<b>Schedule of Quantity</b>							<b>Job-5</b>	
<b>Name of work:- Lump sum Provision for old WSS in Lahaul area( SH:- Remodelling of water supply scheme to village Khinag in GP Gondhla Distt. L&amp;S (HP). (SH:- Fixing of MS Tank 270 liut capacity, Laying, jointing &amp; testing of HDPE pipe of various dis, C/o stand post &amp; C/o storage tank= 5000 lit. capacity).</b>					<b>Estimated cost Rs:-</b>	<b>1,94,104</b>	<b>/-only</b>	
					<b>Earnest Money Rs:-</b>	<b>5,000</b>	<b>/-only</b>	
					<b>Time:-</b>	<b>Six Month</b>		
<b>S.No.</b>	<b>Description of item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>		<b>Unit</b>	<b>Amount</b>	
				<b>In Fig</b>	<b>In words</b>			
1	Placing and Fixing of already fabricated mild steel tank having clear capacity of 270 liter in position near source complete in all respects within all leads and lifts as per direction of the Engineer-in-charge.	1	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.	348.26	Cubic metre			Per cubic metre		
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.	1.51	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 in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	0.74	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 40mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	2.09	Square metre			Per square 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.	0.87	Cubic metre			Per cubic metre		

7	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.	0.83	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.	2.01	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.	0.41	Cubic metre				Per cubic 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.	5.70	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.	325.00	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, 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 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.	26.74	Square metre				Per square metre
b)	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.	3.21	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.	7.36	Running metre				Per running metre
11	Providing and fixing C.I. man hole cover and frame (Light duty) of internal dimentation 610x455mm rectangular having wt. of vocer and frame to be not less than 38kg (wt. of frame 15Kg & wt. of cover 23kg) with in all lead and lifts (Medium duty)	1.00	Numbers				Each

12	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 abre bed wire (IS:278-1962 Type-I) weighting 9.38kg/100metre (mimumum) strained and fixed to posts with GI staples including coal tarring of including coal tarring of ballies complete cost of post, strut and staining bolts etc. complete within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	20.00	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.	56.26	Kilogram			Per kilogram
14	Laying, Jointing & Testing of HDPE pipe of following dia in trenches 10.00Kg PN-6Kg/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 40 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	550.00	Running metre			Per running metre
	<b>HDPE pipe 25 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	400.00	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.					Executive Engineer,
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.					IPH Division Keylong.
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.					

<b>Schedule of Quantity</b>							<b>Job-6</b>	
<b>Name of work:- A/R &amp; M/O WSS Lohani in GP Tandri Distt. L&amp;S (HP). (SH:- Fixing of MS tank 270 lit, C/o crate work at head of source, Laying, jointing &amp; testing of HDPE pipe of various dis, &amp; C/o stand post= 2 Nos.).</b>					<b>Estimated cost Rs:-</b>	<b>1,78,049</b>	<b>/-only</b>	
					<b>Earnest Money Rs:-</b>	<b>3,600</b>	<b>/-only</b>	
					<b>Time:-</b>	<b>Six Month</b>		
<b>S.No.</b>	<b>Description of item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>		<b>Unit</b>	<b>Amount</b>	
				<b>In Fig</b>	<b>In words</b>			
1	Placing and Fixing of already fabricated mild steel tank having clear capacity of 270 liter in position near source complete in all respects within all leads and lifts as per direction of the Engineer-in-charge.	1	Number			Each		
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.	12.50	Cubic metre			Per cubic metre		
3	Excavation in earth work and disposal of all excavated earth upto a lead of 20 metre and lift upto 1.50 metres, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge.	0.92	Cubic metre			Per cubic meter		
4	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.	330.00	Cubic metre			Per cubic meter		
5	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.	23.43	Cubic metre			Per cubic metre		
6	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.	112.50	Square metre			Per square metre		

7	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.	0.57	Cubic metre			Per cubic metre		
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.	1.14	Cubic metre			Per cubic metre		
9	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 in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	0.06	Cubic metre			Per cubic metre		
10	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.	3.30	Square metre			Per square metre		
11	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.	7.66	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 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 measured and paid for separately).							
	<b>HDPE pipe 25 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	800.00	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/- Otl. and HDPE pipes 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.							

<b>Schedule of Quantity</b>								
<b>Name of work:- Restoration of WSS Kuthar in GP Tindi Distt. Lahaul Spiti (HP). (SH:- C/o storage tank, C/o Boundary wall and fencing).</b>					<b>Estimated cost Rs:-</b>		<b>2,17,199</b>	<b>Job-7</b> /-only
					<b>Earnest Money Rs:-</b>		<b>4,350</b>	<b>/-only</b>
					<b>Time:-</b>		<b>Six Month</b>	
<b>S.N o.</b>	<b>Description of item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>		<b>Unit</b>	<b>Amount</b>	
				<b>In Fig</b>	<b>In words</b>			
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.	14.75	Cubic metre			Per cubic metre		
2	Excavation in earth work and disposal of all excavated earth upto a lead of 20 metre and lift upto 1.50 metres, disposed earth to be levelled and neatly dressed including all leads and lifts complete as per direction of Engineer-in-charge.	20.97	Cubic metre			Per cubic meter		
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 & plinth within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	2.90	Cubic metre			Per cubic metre		
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.	1.30	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.	1.38	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.	3.45	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.	0.56	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.	485.10	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, 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 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.	44.89	Square metre			Per square metre		
b)	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.	4.60	Square metre			Per square metre		
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.	16.89	Cubic metre			Per cubic metre		
9	Stone filling behind the 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.	1.41	Cubic metre			Per cubic metre		
10	Providing and fixing C.I. man hole cover with angle iron 50x50x4 mm thick ( with base frame) covered with MS sheet 2mm thick with all locking arrangements to avoid social activities complete with in all lead and lifts (Medium duty)	1.00	Numbers			Each		
11	Providing and fixing C.I. sluice ( with hand wheel) as per ISA 780 class PN-I complete with in all lead and lifts 50mm.	1.00	Numbers			Each		
12	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.	21.83	Kilogram			Per kilogram		
<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. on proper indents & Challan.						Executive Engineer, IPH Division Keylong.	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.							

<b>Schedule of Quantity</b>							<b>Job-8</b>	
<b>Name of work:- A/R &amp; M/O WSS Dhwal in GP Udaipur Distt. Lahaul Spiti (HP). (SH:- Laying, jointing &amp; testing of HDPE pipe of various dia, C/o Barbed wire fencing around storage tank &amp; C/o RCC storage tank 5000 lit.).</b>					<b>Estimated cost Rs:-</b>	<b>2,06,668</b>	<b>/-only</b>	
					<b>Earnest Money Rs:-</b>	<b>4,200</b>	<b>/-only</b>	
					<b>Time:-</b>	<b>Six Month</b>		
<b>S.N o.</b>	<b>Description of item</b>	<b>Quantit y</b>	<b>Unit</b>	<b>Rate</b>		<b>Unit</b>	<b>Amount</b>	
				<b>In Fig</b>	<b>In words</b>			
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 satisfaction and direction of Engineer-in-charge.	364.51	Cubic metre			Per cubic meter		
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.	0.82	Cubic metre			Per cubic metre		
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.	1.52	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.	1.06	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.	2.03	Cubic metre			Per cubic metre		
©	Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilevers up to floor two levels with in all leads and lifts as per direction of Engineer-in-Charge.	0.40	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 Vertical surface such as walls (any thickness) partitions and the like including attached pilasters buttresses, plinth and string courses and the like with in all leads and lifts as per direction of Engineer-in-Charge.	26.39	Square metre			Per square metre		
b)	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.	3.14	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.	477.00	Kilogram			Per kilogram		
8	Providing and fixing C.I. man hole cover with angle iron 50x50x4 mm thick ( with base frame) covered with MS sheet 2mm thick with all locking arrangements to avoid social activities complete with in all lead and lifts (Medium duty)	1.00	Numbers			Each		
9	Providing and fixing brass full way valve/ half turn valve with weheel 65mm dia scour, inlet ( suction pipe) complete with in all lead and lifts 50mm.	1.00	Numbers			Each		
10	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>	20.00	Running Metre			Per running metre		
11	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.	21.83	Kilogram			Per kilogram		
12	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 25 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	1000.00	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. on proper indents & Challan.							
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.							
							Executive Engineer, IPH Division Keylong.	

<b>Schedule of Quantity</b>							<b>Job-9</b>	
<b>Name of work:- A/R &amp; M/O WSS Fhura in GP Jahalma Distt. L&amp;S (HP). (SH:- Laying, jointing &amp; testing of HDPE pipe of various dis, &amp; C/o stand post= 4 Nos.).</b>					<b>Estimated cost Rs:-</b>		<b>2,09,696</b>	<b>/-only</b>
					<b>Earnest Money Rs:-</b>		<b>4,200</b>	<b>/-only</b>
					<b>Time:-</b>		<b>Six Month</b>	
<b>S.N o.</b>	<b>Description of item</b>	<b>Quantit y</b>	<b>Unit</b>	<b>Rate</b>		<b>Unit</b>	<b>Amount</b>	
				<b>In Fig</b>	<b>In words</b>			
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.	596.77	Cubic metre			Per cubic meter		
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 & 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 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 in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	0.19	Cubic metre			Per cubic metre		
5	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		

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 40mm thick with in all leads and lifts as per the direction of Engineer-in-Charge.	1.00	Square metre			Per square metre	
7	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 32 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	900.00	Running metre			Per running metre	
	<b>HDPE pipe 25 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	800.00	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 successful 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, steel @ 4450/- Qtl. and HDPE pipes 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.						

<b>Schedule of Quantity</b>								<b>Job-11</b>		
<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 90mm dia = 1400Rmt).</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>			
<b>S.No.</b>	<b>Description of item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>		<b>Unit</b>	<b>Amount</b>			
				<b>In Fig</b>	<b>In words</b>					
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 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 & barbed wire free of cost on proper indents & Challan.						<b>Executive Engineer,</b>	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.						<b>IPH Division Keylong.</b>	

**Draft Schedule of Quantity**

<b>Name of work:-Repair of snow damages of WSS Telangway in GP Ranika Distt. L&amp;S (HP). (SH:- Laying, jointing &amp; testing of HDPE pipe of various dis, C/o stand post= 4 Nos. &amp; C/o drain around the storage tank).</b>						Estimated cost Rs:-	1,41,455	Job-12	/-only
						Earnest Money Rs:-	2,900		/-only
						Time:-	Six Month		
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.	387.63	Cubic metre			Per cubic meter			
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 & 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 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 in foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	0.01	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.	1.00	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	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.	0.35	Cubic metre			Per cubic metre	
b)	Hand mixed concrete lining on side slope.	0.35	Cubic metre			Per cubic metre	
8	Extra allowances for form work in concrete linning on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	0.35	Cubic metre			Per cubic metre	
9	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 32 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	800.00	Running metre			Per running metre	
	<b>HDPE pipe 20 mm OD PN-10 as (IS: 4984-1998) PE-63</b>	300.00	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	Cementnwill 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>	