

							Job-1
Schedule of Quantity					Estimated cost Rs:-	1,54,602	/-only
Name of work:- A/R & M/O LIS Udaipur in GP Udaipur Distt. Lahaul Spiti (HP). (SH:- C/o wire crate for protection work Nallah side & C/o Pump shed for Booster stage).					Earnest Money Rs:-	3,100	/-only
					Time:-	Six months	
S.N o.	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.	9.77	Cubic metre			Per cubic metre	
2	Excavation in foundation and trenches etc. in earth work lift up to 1.5 meters, stacking the excavated soil not more than 3m clear from the edge of the excavation and then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc. then consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	3.62	Cubic metre			Per cubic metre	
3	Providing & Laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in topping in E/wall within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	0.34	Cubic metre			Per cubic metre	
4	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:- A). Vertical surface such as wall (any thickness) partition and the like including attached pilaster, buttresses, plinth and string courses and the like with in all leads and lifts as per the direction of Engineer-in-Charge.	15.78	Square metre			Per cubic metre	
5	Providing & Laying cement concrete 1:1.5:3 (1 cement : 1.5 sand : 3 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form 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.	0.95	Cubic metre			Per cubic metre	
b)	Wall including attached buttresses pilaster and their caps and bases and string courses etc. upto floor two level with in all leads and lifts as per direction of Engineer-in-charge.	1.94	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.	173.00	Kilogram			Per kilogram	
7	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 and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	1.75	Cubic metre			Per cubic metre	

8	Demolition above ground level upto floor two level including disposal of unserviceable material with in 20 metre lead. (unreinforced cement concrete upto 15mm thickness) foundation and plinth with in all leads and lifts as per the direction of Engineer-in-Charge.	2.97	Cubic metre			Per cubic metre		
9	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (1cement :6 sand : 12 graded stone aggregate 20mm nominal size with in all leads and lifts as per the direction of Engineer-in-Charge.	3.39	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.	9.77	Square metre			Per cubic metre		
11	Providing corrugated GI Sheet roofing fixed with galvanized iron J or L hook bolts and nuts 8mm diameter with bitumen and GI limpet washer fitted with white lead complete excluding the cost of parlins, rafter and trusses in all leads and lifts as per the direction of Engineer-in-Charge.	6.48	Square metre			Per cubic metre		
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.	63.00	Kilogram			Per kilogram		
13	Random rubble masonry /polygonal rubble masonry (Uncoursed/ brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with CC 1 : 6 : 12 (1 cement: 6 sand: 12 graded stone aggregate 20mm nominal size) in C.M. 1: 6 (1cement : 6sand) in Breast walls & retaining walls within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	2.52	Cubic metre			Per cubic metre		
14	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.	58.59	Cubic metre			Per cubic metre		
15	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. (Labour Rate)	234.38	Square metre			Per square metre		
TERMS AND CONDITIONS.						Total:-		
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 othe deductions such as income tax, surcharges on							
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 Dist. L&S @ Rs. 380/-bag, steel @				Executive Engineer,			
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.				IPH Division Keylong.			
							Job 2	

Schedule of Quantity					Estimated cost Rs:-	2,78,117	/-only
Name of work:- Providing various WSS to PC habitation under IPH Division Keylong Distt L&S.(HP). (SH:- Providing and supplying of M.S. Tank 270 litre capacity =30Nos).					Earnest Money Rs:-	5,600	/-only
					Time:-	Two months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	Providing and supplying MS sheet storage tank welded around complete with 40mm nominal size bore galvanised mild steel over flow tubes with fitting and mosquito design and mosquito proof mild steel cover with locking arrangement including providing pads of size as required for inlet and outlet tubes and inside painting with a priming coat of a red lead as per direction of Engineer-in-Charge 270 litres net capacity storage tank of 2mm thick MS steel size 0.75x0.60x0.60m excluding Free Board and Dead Storage.	30.00	Nos			Each	
TERMS AND CONDITIONS.						Total:-	
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 during transit/ carriage of material.						
3	Security, Income Tax, Sale Tax, GST will be deducted from the contractor as per relevant clause.						
4	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.				Executive Engineer,		
5	Final payment will be made to contractor after delivery of material in full & good condition at Divisional store.				IPH Division Keylong.		

							Job-3	
Schedule of Quantity					Estimated cost Rs:-	5,66,961	/-only	
Name of work:-Special Repair of Flow Irrigation Othang in GP Jahalman Distt. L&S (HP). (SH:- C/o C.C. lining at RD 0 to 650).					Earnest Money Rs:-	11,400	/-only	
					Time:-	Six months		
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount	
				In Fig	In words			
1	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.	39.00	Cubic metre			Per cubic metre		
b)	Hand mixed concrete lining on side slope.	29.25	Cubic metre			Per cubic metre		
2	Extra allowances for form work in concrete lining on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	29.25	Cubic metre			Per cubic metre		
TERMS AND CONDITIONS.						Total:-		
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							
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 on proper indents				Executive Engineer,			
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.				IPH Division Keylong.			

							Job-4	
Schedule of Quantity					Estimated cost Rs:-	2,69,357	/-only	
Name of work:-Restoration of Snow/ Rain damages to FIS Halkoon in GP Gondhla Distt. L&S (HP).					Earnest Money Rs:-	5,400	/-only	
(SH:- C/o Retaining wall at various & Laying, jointing & testing of HDPE pipe 160mm= 60 mtr).					Time:-	Six months		
S.N o.	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.	32.50	Cubic metre			Per cubic metre		
2	Excavation in foundation and trenches etc. in earth work lift up to 1.5 meters, stacking the excavated soil not more than 3m clear from the edge of the excavation and then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc. then consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed within all leads and lifts as per satisfaction and direction of Engineer-in-charge.	4.88	Cubic meter			Per cubic meter		
3	Providing & Laying cement concrete 1:6:12 (1 cement : 6 sand : 12graded 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.	4.88	Cubic metre			Per cubic metre		
4	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.	1.24	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.	42.50	Cubic metre			Per cubic metre		
6	Laying, Jointing & Testing of HDPE pipe in trenches 4.00Kg PN-4Kgf/cm ² 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 measured and paid for separately).							
(a)	HDPE pipe 160mm OD PN-6 as (IS: 4884-1998) PE-80	60.00	Running metre			Per running metre		
TERMS AND CONDITIONS.						Total:-		
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							
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, and HDPE pipes				Executive Engineer,			
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.				IPH Division Keylong.			

								Job-6
Schedule of Quantity						Estimated cost Rs:-	2,86,940	/-only
Name of work:-A/R & M/O of Divisional water testing laboratory at Keylong Distt. L&S (HP). (SH:- Operation and maintenance of water testing lab for six Month).						Earnest Money Rs:-	5,800	/-only
						Time:-	Six months	
S.N o.	Description of item	Quantity	Unit	Rate		Unit	Amount	
				In Fig	In words			
1	Operation, Running and maintenace of Divisional water sample testing laboratory one year by providing skilled/ unskilled operating staff and good quality materials such as chemicals, regents etc. as required for testing of water sample for physical, chemical and bacteriological tests complete process in all respect i.e. uploading of test results on web site regularly as per the direction of Engineer-in-Charge.							
(a)	Physical & Chemical Test for all 17 parameter (1000 sample per year) (i) Temperature (ii) Colour (iii). Odour (iv) Teste (v) Turbidity (vi) PH (vii) TDS/Elect conductivity (viii) Total Alkalinity (ix) Chloride (x) Fluoride (xi) Nitrate (xii) Sulphate (xiii) iron xiv) total Hardness (xv) Free residul Chlorine (xvi) Manganese (xvii) Total Arsenic Note :- 250 tests of Fluoride, Nitrate, Sulphahte and Iron tests are to be done with Merck Colorimeter:- Model No. Spectroquant Move 100 chemicals for which are also to be provided by the contractor/ firms.	800.00	test			Per test		
(b)	Bacteriological Test (2000 samples per year:- (i) Total Coliforms (ii) E coil/ Thermo Tolerant Coliforms : Test if total Coliforms are present.	400.00	test			Per test		
TERMS AND CONDITIONS.							Total:-	
1	In order to give true picture of water tests and considering the importance of drinking water quality, the contractor/ firm is							
2	The contractor/ firms bidding for the job must have previous experience of Operation and maintenance of the water testing							
3	The cpmtractor/ firm shall have to employ qualified and well experienced Chemist/ Assistant Chemist. The desirable							
4	Before award of work, the name, qualification details, correspondence address, complete resuem of the engaged person along							
5	The person employed by the firm shall be his establishment only and DWSM/ Department shall not be bound to regularize							
6	The canditate to be deployed should be free from any kind of communicable disease and before joining the candidate shall							
7	The contractor/ firm shall follow relevant BIS codes and NRDWP for the testing of water samples for Physical. Chemical and							
8	The contractor/ firm shall be responsible for payment of minimum wages & monthly payments.							
9	During working hours proper dress code shall be maintained in the laboratory. The lab staff shall attach batch/ identity card							
10	The contractor/ firm shall be responsible for proper handling of Lab Equipments, reagents & Chemicals etc.							
11	The contractor/ firm shall be responsible for any accident/ losses caused due to negligence & a First Aid Box shall also be							
12	The necessary materials and chemicals required for the testing of samples shall be provided by the contractor/ firm							
13	The contractor/ firm shall be panelized for any breakage of glassware in the lab or he shall replace the same with new one							
14	The Chemicals to be used for water quality testing should be of Laboratory Reagent (LR) or Analytical Reagent (AR) grade.							
15	The contractor/ firm shall keep the proper record of all tested water sample and shall submit the consolidated report to the							
16	The contractor/ firm shall report and suggest the measures to be taken for the disinfection of the water, as found anything							
17	The inventory of all the glass ware shall be maintained by the contractor/ firm.							
18	All sample collecting material including those which are to be returned and reused should be fit for sampling. Cleaning and							
19	The electricity charges will be borne by the department.							
20	The payment shall be made on Quarterly basis in equal installments.							
21	All the wate sample reached in the lab have to be tested minimum 450 samples out of which minimum 2/3rd i.e 300 sample							
22	If more than 450 samples are tested in the lab the contractor/ firm shall be paid extra for excess sample at the approved							

23	Each source shall be tested twice a year i.e. pre monsoon and post monsoon for bacteriological analysis and once a year for			
24	The contractor/ firm shall be responsible for cleaning of Laboratory during working hours.			
25	The contractor/ firm shall keep the lab operational on all working days. If any person from lab staff goes on leave the			
26	The period of contract will be for two months beginning after 15days from the date of award.			
27	The firm shall hand over the laboratory including all equipments, glass wares, chemicals, reagents to the department after			
28	Disposal of all the water generated in the lab and washing of glassware, breakage & discard materials wil be done by the firm			
29	Online entry of the samples tested on the particular day shall be made within next 24 hours on the format available on web			
30	The contractor/ firm shall procure all the chemicals monthly/ quaterly basis and get this checked by entering it into	Executive Engineer,		
31	If less sample are received in the laboratory, only the cost of chemical used for that much sample will be decuted(physical	IPH Division Keylong.		

							Job-5
Schedule of Quantity					Estimated cost Rs:-	7,61,511	/-only
Name of work:- Remodeling of FIS Chowkhang Sindhware in G.P. Thiroth Distt L&S (H.P.) (SH:- C/O CC Lining at RDs 2130 to 2160, 2200 to 2250, 2320 to 2370, 2430 to 2440, 2470 to 2530, 2565 to 2575, 2575 to 2600, 2625 to 2715, 2775 to 2790, 2820 to 2835, 2955 to 2970, 2995 to 3010, 3045 to 3070, 3165 to 3180, 3620 to 3680, 3815 to 3880, 3890 to 4000, 4030 to 4045, 4125 to 4150, 4160 to 4175 and 4190 to 4215)					Earnest Money Rs:-	15,300	/-only
					Time:-	Six months	
S.No.	Description of item	Quantity	Unit	Rate		Unit	Amount
				In Fig	In words		
1	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) 20mm nominal size. in all lead and lift as per the direction of Engineer in charge.						
a)	Hand mixed concrete lining in the bed.	44.40	Cubic metre			Per cubic metre	
b)	Hand mixed concrete lining on side slope.	51.56	Cubic metre			Per cubic metre	
8	Extra allowances for form work in concrete lining on side slopes all leads and lifts complete as per direction of Engineer-in-Charge.	51.56	Cubic metre			Per cubic metre	
TERMS AND CONDITIONS.						Total:-	
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 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 shall be issued by the Department at IPH Divisional Store Gondhla in Distt. L&S @ Rs. 380/-bag, on proper indents & Challan.					Executive Engineer, IPH Division Keylong.	
8	Only mech. Crushed stone aggregate & approved quarry sand will be used for above work.						