

SCHEDULE OF QUANTITY							Job No. 1
NAME OF WORK:- Augmentation of WSS Mooldhar Kathanda in Nirmand block Distt Kullu (H.P) (S.H: Dismantling of G.I pipe of 125mm dia and 100mm dia from Khanorta to Bhagad RD 0/0 to 2160.					ESTIMATED COST	248117.00	
					EARNEST MONEY	4962.00	
					TIME LIMIT:	3 Months	
Sr. No	Description of items.	Qty	Unit	Rate			
				In Fig.	In Words	Amount.	
1	2	3	4	5	6	7	
1	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of earth work such as pick work, jumper work, situated soil including bailing or pumping out of water, blasting soft or hard rock or chiseling or wedging out of soft / hard rock where blasting is prohibited, in all lifts including trimming and dressing of sides, labeling of beds to correct grade including shoring, strutting, planking, timbering and dewatering wherever required. Stacking usable and unusable material /soil separately and after lying 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 with in all leads/ lifts including restoration of un-metalled surfaces to its original conditions 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 respects within all leads and lifts as per direction of the Engineer-in-Charge.From RD 0/0 to 2160(50% duried under ground & 50% open i.e. over the ground surface.	243.00	Cum				
2	Dismantling of already laid unutilized G.I pipe (MC) S/S from work site and carriage than from to road head sie and stacking there as per the entire satisfaction of Engineer-in-charge with in all lead and lifts.						
2.1	G.I pipe 125mm (MC) RD 0/0 to 390 (S/S)	390	Rmt				
2.2	G.I pipe 100mm (MC) RD 390 to 1800 (S/S)	1410	Rmt				
2.3	G.I Pipe 125mm (MC) RD 1800 to 2160 (flanged jointed)	360	Rmt				
TERMS AND CONDITIONS							
1	The work shall be executed as per HPPWD/IPH specifications and to the entire satisfaction of the Engineer-in-charge.						
2	The cement, steel & GI pipe shall be issued by the department , Cement @ Rs. 312/-per bag, steel @ Rs.4921/-per qtl. And GI pipe free of cost from IPH Store Anni.						
3	Any loss of by way of theft or mishandling to the pipes issued by the Deptt. Shall be liability of the contractor and the recovery shall be effected from the contractor at pannel rates						
4	The contractor shall be fully responsible for watch and ward of the material at site of work.						
5	The contractor shall be responsible for any accident caused during the construction of the work and the loss if any will be born by the contractor.						
6	Income Tax and labour cess shall be deducted from the bill of the contractor as applicable.						
				<i>Executive Engineer</i>			
				<i>I&PH Division Anni</i>			

SCHEDULE OF QUANTITY							Job No. 2
Name of work :- Providing additional pipe line form Gadagharat to in G.P Jaban and Namhog in Anni block Distt kullu (H.P) (S.H: C/O Septic Tank.)					ESTIMATED COST	139940.00	
					EARNEST MONEY	2799.00	
					TIME LIMIT:	2 Months	
Sr.no	Description of items.	Quantity	Unit	Rate		Amount	
				In Fig.	In Words		
1	2	3	4	5	6	7	
1	Excavation in earth work and disposal of all excavated earth upto a lead of 20 metres and lift upto 1.50 metres, disposed earth to be levelled and neatly dressed complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	35.20	Cum				
2	Providing and laying cement concrete 1:6:12(1cement: 6sand: 12 graded stone agg.40mm nominal size) and curing complete excluding cost of centering and shutter complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge. a) Foundation and Plinth	1.61	Cum				
3	Random Rubble Masonary / Polygonal rubble masonry brought two coat with hard stone of approved quality in foundation and plinth including levelling up cement concrete 1:6:12 (1cement: 6 sand:12 aggregate)in plinth level/ super structure complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	12.60	Cum				
4	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for in situ reinforced concrete and plain concrete work complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.						
4.1	Flat surface such as soffits and suspended floors, roofs, landings and the like: Floors etc. up to 200mm in thickness within all leads and lifts	15.00	Sqm.				
5	Providing and laying cement concrete 1:1 ½ :3(1cement:1 ½ sand:3graded stone aggregate of 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.						
5.1	Foundation footing , basis of columns and the like and mass concrete.	1.98	Cum				
6	Providing & Laying mild /tor steel reinforcement for RCC. work including bending, binding and placing in position complete up to floor two level complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	178.20	Kg				
7	Half brick work using common burnt clay building brick in foundation and plinth in cement mortar 1:4) complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	5.20	Sqm				
8	Stone soling properly hand packed filling interstices with spalls and consolidating with power road roller to the required gradient and camber including spreading watering and rolling of binding materials moorum or earth etc. 100mm spread thickness (finished work including materials and labour) complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	0.62	Cum				
9	Fixing of MS Fabricated Protection Panel 750 mm x750mm made with MS Angle 40 x40 x4 mm for frame, MS Angle 30x30 x3 mm for cover, MS Flat 25 x5mm for fixing of sliding door bolt and MS Sheet(12gauge) 2.50 mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS angle & in RCC slab, by drilling holes in MS angle & in RCC slab, provision for providing and fixing sliding door bolt 300 x16mm MS Handle 100 mm, Lock and applying a coat of red lead paint & painting two coat with steel paint (Firoza Blue) complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	2.00	No				
10	15 mm thick cement plaster on fair sides of brick/stone masonry concrete walls for interior plastering upto floor two level including arises internal rounded angles not exceeding 80mm girth in cement mortar 1:6 (1cement:6sand) complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	10.40	Sq.m				
Total						0.00	
TERMS AND CONDITIONS							
1	The work shall be executed as per HPPWD/IPH specification and to the entire satisfaction of the Enginer-in-charge.						
2	The contrator shall be fully responsible for watch and ward of the material at site of work.						
3	Cement shall be issued by the department to the contractor @ 312/- per bag & Tor Steel 4921/ Qtl from Sub-Divisional Store, Anni on proper Indent.						
4	The contrator shall be responsible for any accident caused during the construction of the work and the loss if any will be born the contractor.						
5	Income Tax, Sale Tax, GST and labour cess shall be deducted from the bill of the contractor as applicable .						
6	Crushed stone aggregate shall be used in all concrete work.						
7	Nothing shall be paid for rejected material.						
Executive Engineer,							
I&P.H Division, Anni							

SCHEDULE OF QUANTITY							Job No. 3	
Name of work :- A/R & M/O FIS Seen Ropa in Anni block Distt Kullu (H.P) (S.H: C/O PCC Retaining wall at RD 330 to 336 = 6mtr. and C/O RCC Channel at RD 330 to 336 = 6mtr.)					ESTIMATED COST		132280.00	
					EARNEST MONEY		2646.00	
					TIME LIMIT:		2 Months	
Sr. No	Description of items.	Quantity	Unit	Rate		Amount		
				In Fig.	In Words			
1	2	3	4	5	6	7		
1	Excavation in earth work and disposal of all excavated earth upto a lead of 20 metres and lift upto 1.50 metres, disposed earth to be levelled and neatly dressed complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	2.52	Cum					
2	Providing and laying cement concrete 1:6:12(1cement: 6sand: 12 graded stone agg.40mm nominal size) and curing complete excluding cost of centering and shuttering including all leads and lifts complete to the entire satisfaction of Engineer-in-charge. a) Foundation and Plinth	1.26	Cum					
3	Providing and laying cement concrete 1:4:8(1cement: 4sand: 8 graded stone agg.40mm nominal size) and curing complete excluding cost of centering and shuttering complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge. a) Foundation and plinth.	0.32	Cum					
4	Providing and laying cement concrete work 1:2:4 (1 Cement:2 Sand:4 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.							
4.1	Foundation footing , basis of columns and the like and mass concrete.	0.32	Cum					
4.2	Walls (any thickness) but not less than 0.10 Mtrs. hick including attached pilasters buttresses plinth and string course from top of foundation upto floor two levels.	0.84	Cum					
5	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for in situ reinforced concrete and plain concrete work including all leads and lifts complete to the entire satisfaction of Engineer-in-charge.							
5.1	Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course all leads and lifts complete to the entire satisfaction of Engineer-in-charge.	26.93	Sqm					
6	Providing and laying cement concrete 1:5:10(1cement:5sand:10 graded stone aggregate of 40mm nominal size) with 15% plum and curing complete excluding cost of form work in retaining walls/breast walls, the size of plums shall usually be 150mm to 300mm as per H.P.P.W.D specification including all leads and lifts complete to the entire satisfaction of Engineer-in-charge.	15.39	Cum					
7	Providing & Laying mild /tor steel reinforcement for RCC. work including bending, binding and placing in position complete up to floor two level complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	66.00	Kg					
				Total				
TERMS AND CONDITIONS								
1	The work shall be executed as per HPPWD/IPH specification and to the entire satisfaction of the Enginer-in-charge.							
2	The contrator shall be fully responsible for watch and ward of the material at site of work.							
3	Cement shall be issued by the department to the contractor @ 312/- per bag & Tor Steel 4921/ Qtl from Sub-Divisional Store on proper Indent.							
4	The contrator shall be responsible for any accident caused during the construction of the work and the loss if any will be born the contractor.							
5	Income Tax, Sale Tax, GST and labour cess shall be deducted from the bill of the contractor as applicable .							
6	Nothing shall be paid for rejected material.							
						Executive Engineer,		
						I&P.H Division, Anni		

SCHEDULE OF QUANTITY							Job No. 4
Name of work :- C/O LIS Khubu Stangidhar in Nirmand block Distt Kulltu (H.P) (S.H: Providing, Laying and jointing of G.I Pipe150mm dia and 100mm dia from RD 90 to 350= 260Rmt . 75% Butt welding and 25% Flanged with flange table-5.)					ESTIMATED COST	120560.00	
					EARNEST MONEY	2411.00	
					TIME LIMIT:	2 Months	
Sr.No	Description of items.	Quantity	Unit	Rate		Amount.	
				In Fig.	In Words		
1	2	3	4	5	6	7	
1	Excavation in foundation and trenches etc (for pipes & pits) in earth work in all kinds of soil such as pick work, jumper work, blasting soft or hard rock or by chiselling soft or hard rock where blasting is prohibited in all leads and lifts including trimming / dressing of sides and bed, stacking the excavated soil clear from the edge of excavation and returning the excavated soil after completion of work in 15cm layers when required into plinth, sides of foundation etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated soil complete in all respect as per direction and to the entire satisfaction of the Engineer-in-Charge.	78.98	Cum				
2	Laying, jointing (by way of circumferential butt welded joints by electrical arc welding) and testing of Galvanised mild steel tubes (GI Pipes) of following dia meters confirming to BIS 1239-2001 (latest with upto date amendments) having wall thickness as per code with bevelled / plain ends in a random length of 4 to 7 meters, including manufacturing reducers / tapers , all short pieces, bends etc. as per site requirement made from parent tubes . The laying of pipe will include all operation such as cutting, welding, jointing, fabrication of bends, tees etc. including lowering and laying in excavated trenches to ensure required level including flushing, cleaning and hydraulic testing complete in all respects to the satisfaction of the Engineer in charge. The fabricated bends shall have three or four cuts having its radius not less than five times the dia of pipe. The damaged portion of the pipes and specials made from the parent tube during welding or otherwise shall be provided anticorrosive treatment by applying two coats of anticorrosive bituminous paint over a priming coat as per AWWA specifications C-203-1978. The welding electrodes shall be as per IS 814 of Advani Oerlikon/ L&T or ISI marked make. The rates also includes entire carriage of material, flushing, cleaning & hydraulic testing complete to the best satisfaction & direction of Engineer in charge with in all leads and lifts. (Earth work in trenches will be measured and paid for separately).						
2.1	150mm dia at RD 95 to 355	195.00	Rmt				
2.2	100 mm dia at RD 95 to 335	195.00	Rmt				
	Providing, laying in trenches to be leveled to grades, IS marked GI pipes GMS (Medium class) of following diameters conforming to IS 1239-1991(Part-II) (latest with upto date amendments) having minimum wall thickness a sper class of pipe specified the beveled end and capable of withstanding required test pressure in random length of 4-7 mtr, i/c special/short pieces, bends, reducers, tees etc made from parent tube flanged/butt welded to the pipeline as per site requirement and as directed by the engineer-in-charge. The pipe shall be flanged/butt welded detailed as below as flanges should be provided wherever required as per actual site conditions/direction of engineer-in-charge. The MS flange shall confirming to tables as specified below of BIS 6392-1971 (latest with upto date amendments) duly welded with pipes at both ends as per relevent BIS standards along with nuts and bolts of required sizes, 3mm thick compressed asbestos fiber gasket or synthetic rubber gasket confirming to relevant BIS code. The laying of pipe will include all operation such as cutting, welding, jointing, providing and fixing of MS flanges, fabrication of bends, tees etc including leveling and laying in excavated trenches to ensure required level i/c flushing, cleaning, painting and hydraulic testing complete in all respect to the best satisfaction of Engineer-in-charge. The fabricated bends shall have three or four cuts having its radius not less than five times the dia of pipe. The damaged portion of the pipe and special made from the parent tubes shall provided anti corrosive treatment by providing two coats of anti corrosive bituminous paint over a priming coat as AWWA specification C-203-1978. The welding electrodes shall be as per IS 814 of Advani/ Oerlikon/L&T or ISI marked make. The rate also includes entire carriage of material complete in all respect as per direction and to the entire satisfaction of the Engineer-in-Charge.						
3.1	150mm dia at RD 95 to 355	65.00	Rmt				
3.2	100 mm dia at RD 95 to 335	65.00	Rmt				
TERMS AND CONDITIONS							
1	The work shall be executed as per HPPWD/IPH specification and to the entire satisfaction of the Engineer-in-charge.						
2	The contractor shall be fully responsible for watch and ward of the material at site of work.						
3	The contractor shall be responsible for any accident caused during the construction of the work and the loss if any will be born the contractor.						
4	Income Tax, Sale Tax, GST and labour cess shall be deducted from the bill of the contractor as applicable .						
5	Nothing shall be paid for rejected material.						
6	G.I. pipes shall be issued by the department free of cost at I&PH Divisional store Anni against proper indent.						
					Executive Engineer,		
					I&P.H Division, Anni		

SCHEDULE OF QUANTITY							Job No. 5
Name of work :- C/O LIS Khubu Stangidhar in Nirmand block Distt Kullu (H.P) (S.H: C/O RCC Channel at RD 0/0 to 90 = 90 Rmt.)					ESTIMATED COST		298394.00
					EARNEST MONEY		5908.00
					TIME LIMIT:		1 Month.
Sr. No	Description of items.	Quantity	Unit	Rate		Amount	
				In Fig.	In Words		
1	2	3	4	5	6	7	
1	Excavation in drains and channels etc. in earth work including dressing of side and bed and disposing of excavated earth upto a lead of 20 metres and lift upto 1.50 metres disposed earth to be levelled and neatly dressed complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	28.80	Cum				
2	Providing and laying cement concrete 1:4:8(1cement: 4sand: 8 graded stone agg.40mm nominal size) and curing c complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge. . a) Foundation and plinth.	7.20	Cum				
3	Providing and laying cement concrete 1:1½ :3(1cement:1 ½ sand:3graded stone aggregate of 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.						
i)	Foundation footing , basis of columns and the like and mass concrete.	7.20	Cum				
ii)	Walls (any thickness) but not less than 0.10 Mtrs. hick including attached pilasters buttresses plinth and string course from top of foundation upto floor two levels.	10.80	Cum				
4	Extra allowance for form work in concrete lining on side slopes complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	18.00	Cum				
5	Providing & Laying mild /tor steel reinforcement for RCC. work including bending, binding and placing in position complete up to floor two level complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	1080.00	Kg				
TERMS AND CONDITIONS							
1	The work shall be executed as per HPPWD/IPH specification and to the entire satisfaction of the Engineer-in-charge.						
2	The contractor shall be fully responsible for watch and ward of the material at site of work.						
3	Cement shall be issued by the department to the contractor @ 312/- per bag & Tor Steel 4921/ Ql from Sub-Divisional Store, Anni on proper Indent.						
4	The contractor shall be responsible for any accident caused during the construction of the work and the loss if any will be born the contractor.						
5	Income Tax, Sale Tax, GST and labour cess shall be deducted from the bill of the contractor as applicable .						
6	Nothing shall be paid for rejected material.						
						Executive Engineer,	
						I&P.H Division, Anni	

SCHEDULE OF QUANTITY							Job No. 6
Name of work : Restoration of rain damages to Dried up sources due to C/O Rampur Hydro Electric project for village Bari. Tunan, poshana etc in Nirmand Block in Distt Kullu (H.P) (S.H: P/L And Jointing of different dia GI Pipe at Shattledhar.)C/O LIS Khubu Stangidhar in Nirmand block Distt Kullu (H.P) (SH: Laving and jointing of G.I Pipe100mm, 80mm dia with flange table - 5 & screw &					ESTIMATED COST	160707.00	
					EARNEST MONEY	3214.00	
					TIME LIMIT:	3 Months	
Sr.No	Description of items.	Quantity	Unit	Rate		Amount.	
				In Fig.	In Words		
1	2	3	4	5	6	7	
1	Excavation in foundation and trenches etc.(for pipes & pits) in earth work in all kinds of soil such as pick work, jumper work, blasting soft or hard rock or by chiselling soft or hard rock where blasting is prohibited in all leads and lifts including trimming / dressing of sides and bed, stacking the excavated soil clear from the edge of excavation and returning the excavated soil after completion of work in 15cm layers when required into plinth, sides of foundation etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated soil complete in all respect as per direction and to the entire satisfaction of the Engineer-in-Charge.	119.25	Cum				
2	Laying, jointing and testing in trenches galvanized mild steel screwed and socketed/flanged pipes of following diameter and class, tube fittings in trenches i/c carriage of pipes from Sub-Divisional Store to site of work.(Earth work in trenches to be measured and paid for separately) complete in all respect and to the entire satisfaction of the Engineer-in-charge. (LR):						
2.1	32 mm dia (L.C).	220.00	Rmt				
2.2	50 mm dia (L.C).	240.00	Rmt				
3	Providing, laying in trenches to be leveled to grades, IS marked GI pipes GMS (Medium class) of following diameters conforming to IS 1239-1991(Part-II) (latest with upto date amendments) having minimum wall thickness a sper class of pipe specified the beveled end and capable of withstanding required test pressure in random length of 4-7 mtr, i/c special/short pieces, bends, reducers, tees etc made from parent tube flanged/butt welded to the pipeline as per site requirement and as directed by the engineer-in-charge. The pipe shall be flanged/butt welded detailed as below as flanges should be provided wherever required as per actual site conditions/direction of engineer-in-charge. The MS flange shall confirming to tables as specified below of BIS 6392-1971 (latest with upto date amendments) duly welded with pipes at both ends as per relevent BIS standards along with nuts and bolts of required sizes, 3mm thick compressed asbestos fiber gasket or synthetic rubber gasket confirming to relevant BIS code. The laying of pipe will include all operation such as cutting, welding, jointing, providing and fixing of MS flanges, fabrication of bends, tees etc including leveling and laying in excavated trenches to ensure required level i/c flushing, cleaning, painting and hydraulic testing complete in all respect to the best satisfaction of Engineer-in-charge. The fabricated bends shall have three or four cuts having its radius not less than five times the dia of pipe. The damaged portion of the pipe and special made from the parent tubes shall provided anti corrosive treatment by providing two coats of anti corrosive bitumenious paint over a priming coat as AWWA specification C-203-1978. The welding electrodes shall be as per IS 814 of Advani/ Oerlinken/L&T or ISI marked make. The rate also includes entire carriage of material complete in all respect as per direction and to the entire satisfaction of the Engineer-in-Charge.						
3.1	100mm dia (MC) FT- 5	48.00	Rmt				
3.2	80mm dia (MC) FT- 5	72.00	Rmt				
4	Providing and laying cement concrete 1:4:8(1cement: 4sand: 8 graded stone agg.40mm nominal size) and curing complete excluding cost of centering and shuttering complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge. a) Foundation and plinth.	0.91	Cum				
5	Providing and laying reinforcement cement concrete 1:2:4(1cement:2sand: 4graded stone aggregate of 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.a) Foundation & Plinth	4.05	Cum				
6	Providing & Laying mild /tor steel reinforcement for RCC. work including bending, binding and placing in position complete up to floor two level complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.	202.50	Kg				
7	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4mtrs.and removal of the same for in situ reinforced concrete and plain concrete work complete in all respect within all lead and lifts as per the direction of Engineer-in-Charge.						
7.1	Vertical surfaces such as walls (any thickness)portions and the like including attached pilaster buttresses plinth and string course and the like	36.00	Sqm.				
					Total		
TERMS AND CONDITIONS							
1 The work shall be executed as per HPPWD/IPH specification and to the entire satisfaction of the Enginer-in-charge.							
2 The contractor shall be fully responsible for watch and ward of the material at site of work.							
3 The contractor shall be responsible for any accident caused during the construction of the work and the loss if any will be born the contractor.							
4 Income Tax, Sale Tax, GST and labour cess shall be deducted from the bill of the contractor as applicable .							
5 Nothing shall be paid for rejected material.							
6 G.I. pipes shall be issued by the department free of cost at I&PH Divisional store Anni against proper indent.							
					Executive Engineer,		
					I&P.H Division, Anni		