

Job No. 1

Schedule of quantity

Name of Work:- Providing CAD facility to LIS Gajed under HINCAD in Tehsil Nalagarh District Solan (HP). (SH: - Providing fixing 11 Nos Pre- cast out let and Laying, jointing & testing of HDPE pipe in distribution system)

Estimated Cost :- Rs. **393376.00** /-only
 Earnest Money :- Rs. **7868.00** /-only
 Time :- Three Months.

SCHEDULE OF WORKS

Sr. No.	Description of work	No.or Qty.	Unit	RATES		AMOUNT Rs. P
				Figures	Words	
	C/O Out let= 11 Nos					
1.00	Excavation in foundation trenches etc. in all kinds of soil such as pick work,jumper work blasting work in soft or hard rook or by cum chiselling soft/ hard rock where blasting is prchibited in all leads and lif-ts including trimming and dewatering where ever required dressing of sides and bed stacking the excavated soil clear from the edge of excavaton and then returning the excavated soil after completion of work in 15cm layers when required into plinths, side of foundation etc. Consolidating each deposited layers by remming and watering and then disposing of all surplus excavated earth as direction within a lead of 20 mtrs. pick jumper work 50% each as per direction and to the entire satisfaction of Engineer-in-Charge upto all lead and lifts.	23.74	Cum	Per Cum		
2.00	Providing and laying cement concrete 1:4:8 (1 cement :4 sand :8 graded stone agg. 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth in all lead and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	2.34	Cum	Per Cum		
3.00	Providing and laying cement concrete of design mix M-20 with graded stone aggregate 20 mm nominal size and curing complete including the cost of getting mix designed from Govt/ semi Govt./ Govt. recognised Institute/ lab etc but excluding cost of form work and reinforcemnt for reinforced concrete work complete all respect with in all leads and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge .	1.97	Cum	Per Cum		
4.00	Providing and laying Precast slab in nominal cement concrete of design mix M-25 with graded stone aggregate 20 mm nominal size and curing complete including the cost of getting mix designed from Govt/ semi Govt./ Govt. recognised Institute/ lab etc but excluding cost of form work and reinforcemnt for reinforced concrete work complete all respect with in all leads and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge .	0.53	Cum	Per Cum		
5.00	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish including centring,shuttering,struting and propping etc with wooden battens and ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs. and removal of the same for insitu,reinforced concrete and plain concrete and plain concrete work in :-					
5.10	Vertical surfaces such as wall(Any thickness) partitions and the like i/c attached pillars, buttresses,plinth and string courses and the like including carriage of material in all leads & lifts.	12.33	Sqmt.	Per Sqm		
6.00	Boulder filling at bottom of 350 mm dia Hydrant Chamber.	2.22	Cum	Per Cum		
7.00	Providing and fixing fitting accessories as under complete in all respect as per the direction of Engineer in Charge.					
7.10	90 mm dia HDPE pipe PE 80 of pressure PN-4.00.	27.50	Rmt	Per Rmt		
7.20	90 mm dia HDPE pipe end PE 80 of pressure PN-6.00	22.00	Nos	Each		
7.30	90 mm dia HDPE pipe bends of 90 degree PE 80 of pressure PN-6.00	22.00	Nos	Each		
7.40	90 mm dia HDPE pipe QC pump connector PE 80 of pressure PN-6.00	11.00	Nos	Each		
8.00	Providing Tor steel reinforcement for RCC work including bending ,binding and placing in position complete upto floor two level.	75.00	Kg	Per Kg		
9.00	Providing & fixing in position RCC pipe of following dia, class & length for outlets.					
9.10	RCC pipe of 900 mm dia NP-2	13.75	Rmt.	Per Rmt		
9.20	RCC pipe of 350 mm dia NP-2	7.15	Rmt.	Per Rmt		
10.00	Providing and fixing 80 mm dia control/ sluice valve PN-1 of Kirloskar/ Leader make as per direction and to the entire satisfaction of the Engineer-in Charge.	11.00	Nos	Each		

11.00	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 in gratings framed guard bars, ladders, railing, brackets and similar works complete in all respect including entire carriage of materials within all leads and lifts as per the direction of the Engineer-in-Charge.	178.00	Kg	Per Kg		
Distribution System.						
12.00	Excavation in drain and channels etc. earth work for pipes upto all depths in all classification of earthwork such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft/hard rock or chiseling soft/hard rock where blasting is prohibited in all lifts including jungle clearance wherever required, trimming & dressing of sides, levelling of beds to correct grade including shoring/strutting, planking, timbering & dewatering wherever required stacking the useable/unuseable material/soil separately & after laying, jointing & testing of pipes, returning the useable soil in trenches in 15cm layers including consolidating of such deposited layer by ramming & watering & then disposing of all surplus excavated soil/unuseable material as directed with in all leads & lifts including restoration of un-metalled surfaces to its original condition & including cost of diversion for traffic, right signals, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts and as per direction of the Engineer-in-charge at site of work.	816.00	Cum	Per Cum		
13.00	Laying, jointing, testing and commissioning of high density polythene pipe for use for buried water main and services and for water supply above ground, both inside and out side building duly ISI marked (IS-4984-1995) as amended upto date of PE 80 of pressure 4.00 of the following diameter (Earth work work to be measured and paid for separately) complete in all respect, including entire carriage of materials upto all leads and lifts and as per direction of Engineer-in-Charge.					
13.10	110 mm dia PE 80 of pressure PN-4.00	840.00	Rmt.	Per Rmt		
13.20	90 mm dia PE 80 of pressure PN-4.00	780.00	Rmt.	Per Rmt		
14.00	Providing & fixing Alfa valves of reputed & approved make like Kirloskar/ Kilburn/ IVC/ Leader make on distribution system of conforming to IS : 780-1984 with latest amendments of appropriate class, diameter and capable to withstand the requisite nominal seat pressure i/c testing & upto entire satisfaction of Engineer-in-Charge.					
14.10	100 mm dia	6.00	Nos	Each		
15.00	Providing and fixing of HDPE Tee of following sizes and pressure conforming to IS: 4984-1995 complete.					
15.10	110 mm PN-4 PE-80	7.00	Nos	Each		
16.00	Providing and fixing of HDPE reducer of following sizes and pressure conforming to IS: 4984-1995 complete.					
16.10	110 mm X 90 mm PN-4 PE-80	7.00	Nos	Each		
Total in Figures						
Total in Words						
TERMS AND CONDITIONS: -						
<ol style="list-style-type: none"> 1. The work will be got executed as per IPH specifications. 2. Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable. 3. The contractor is fully responsible for watch and ward of the material at site of work. 4. Nothing shall be paid for rejected work/material. 5. HDPE pipe shall be issued from IPH store Nalagarh free of cost. 6. Cement @ Rs. 255/- per bag and steel @ Rs. 3890/- per Qtl will be issued from IPH store Nalagarh. 						
						Executive Engineer, I&PH Divn., Nalagarh.

Job No. 2

SCHEDULE OF QUANTITY

Name of Work:- Providing CAD facility to LIS Panjli under HMCAD in Tehsil Nalagarh District Solan (HP). (SH: - Providing fixing 21 Nos Pre-cast out let and Laying, jointing & testing of HDPE pipe in distribution system)

Estimated Cost :- Rs. **782720.00** /-only
 Earnest Money :- Rs. **15654.00** /-only
 Time :- Three Months.

SCHEDULE OF WORKS

Sr. No.	Description of work	No.or Qty.	Unit	RATES		AMOUNT Rs. P
				Figures	Words	
	C/O Out let= 21 Nos					
1.00	Excavation in foundation trenches etc. in all kinds of soil such as pick work,jumper work blasting work in soft or hard rook or by cum chiselling soft/ hard rock where blasting is prchibited in all leads and lif-ts including trimming and dewatering where ever required dressing of sides and bed stacking the excavated soil clear from the edge of excavaton and then returning the excavated soil after completion of work in 15cm layers when required into plinths, side of foundation etc. Consolidating each deposited layers by remming and watering and then disposing of all surplus excavated earth as direction within a lead of 20 mtrs. pick jumper work 50% each as per direction and to the entire satisfaction of Engineer-in-Charge upto all lead and lifts.	45.32	Cum	Per Cum		
2.00	Providing and laying cement concrete 1:4:8 (1 cement :4 sand :8 graded stone agg. 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth in all lead and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	4.47	Cum	Per Cum		
3.00	Providing and laying cement concrete of design mix M-20 with graded stone aggregate 20 mm nominal size and curing complete including the cost of getting mix designed from Govt/ semi Govt./ Govt. recognised Institute/ lab etc but excluding cost of form work and reinforcemnt for reinforced concrete work complete all respect with in all leads and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge .	3.76	Cum	Per Cum		
4.00	Providing and laying Precast slab in nominal cement concrete of design mix M-25 with graded stone aggregate 20 mm nominal size and curing complete including the cost of getting mix designed from Govt/ semi Govt./ Govt. recognised Institute/ lab etc but excluding cost of form work and reinforcemnt for reinforced concrete work complete all respect with in all leads and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge .	1.01	Cum	Per Cum		
5.00	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish including centring,shuttering,struting and propping etc with wooden battens and ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs. and removal of the same for insitu,reinforced concrete and plain concrete and plain concrete work in :-					
5.10	Vertical surfaces such as wall(Any thickness) partitions and the like i/c attached pillars, buttresses,plinth and string courses and the like including carriage of material in all leads & lifts.	23.54	Sqmt.	Per Sqm		
6.00	Boulder filling at bottom of 350 mm dia Hydrant Chamber.	4.24	Cum	Per Cum		
7.00	Providing and fixing fitting accessories as under complete in all respect as per the direction of Engineer in Charge.					
7.10	90 mm dia HDPE pipe PE 80 of pressure PN-4.00.	53.00	Rmt	Per Rmt		
7.20	90 mm dia HDPE pipe end PE 80 of pressure PN-6.00	42.00	Nos	Each		
7.30	90 mm dia HDPE pipe bends of 90 degree PE 80 of pressure PN-6.00	42.00	Nos	Each		
7.40	90 mm dia HDPE pipe QC pump connector PE 80 of pressure PN-6.00	21.00	Nos	Each		
8.00	Providing Tor steel reinforcement for RCC work including bending ,binding and placing in position complete upto floor two level.	142.00	Kg	Per Kg		
9.00	Providing & fixing in position RCC pipe of following dia, class & length for outlets.					
9.10	RCC pipe of 900 mm dia NP-2	26.25	Rmt	Per Rmt		
9.20	RCC pipe of 350 mm dia NP-2	13.65	Rmt	Per Rmt		
10.00	Providing and fixing 80 mm dia control/ sluice valve PN-1 of Kirloskar/ Leader make as per direction and to the entire satisfaction of the Engineer-in Charge.	21.00	Nos	Each		

11.00	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 in gratings, framed guard bars, ladders, railing, brackets and similar works complete in all respects including entire carriage of materials within all leads and lifts as per the direction of the Engineer-in-Charge.	340.00	Kg	Per Kg			
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Distribution System.						
12.00	Excavation in drain and channels etc. earth work for pipes upto all depths in all classification of earthwork such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft/hard rock or chiseling soft/hard rock where blasting is prohibited in all lifts including jungle clearance wherever required, trimming & dressing of sides, levelling of beds to correct grade including shoring/strutting, planking, timbering & dewatering wherever required stacking the useable/unuseable material/soil seperately & after laying, jointing & testing of pipes, returning the useable soil in trenches in 15cm layers including consolidating of such deposited layer by ramming & watering & then disposing of all surplus excavated soil/unuseable material as directed with in all leads & lifts including restoration of un-metalled surfaces to its original condition & including cost of diversion for traffic, right signals, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respect with in all leads and lifts and as per direction of the Engineer-in-charge at site of work.	1509.48	Cum	Per Cum		
13.00	Laying, jointing, testing and commissioning of heigh density polythene pipe for use for buried water main and services and for water supply above ground , both inside and out side building duly ISI marked (IS-4984-1995) as amended upto date of PE 80 of pressure 4.00 of the following diameter (Earth work work to be measured ans paid for separately) complete in all respect, including entire carriage of materials upto all leads and lifts and as per direction of Engineer-in-Charge.					
13.10	125 mm dia PE 80 of pressure PN-4.00.	1040.00	Rmt.	Per Rmt		
13.20	110 mm dia PE 80 of pressure PN-4.00.	720.00	Rmt.	Per Rmt		
13.30	90 mm dia PE 80 of pressure PN-4.00.	1625.00	Rmt.	Per Rmt		
14.00	Providing & fixing Alfa valves of reputed & approved make like Kirloskar/ Kilburn/ IVC/ Leader make on distribution system of conforming to IS : 780-1984 with latest ammendments of appropriate class, diameter and capable to withstand the requisite nominal seat pressure i/c testing & upto entire satisfaction of Engineer- in- Charge.					
14.10	125 mm dia	5.00	Nos	Each		
15.00	Providing and fixing of HDPE Tee of following sizes and pressure conforming to IS: 4984-1995 complete.					
15.10	125 mm PN-4 PE-80	9.00	Nos	Each		
15.20	110 mm PN-4 PE-80	7.00	Nos	Each		
16.00	Providing and fixing of HDPE reducer of following sizes and pressure conforming to IS: 4984-1995 complete.					
16.10	125 mm X 90 mm PN-4 PE-80	9.00	Nos	Each		
16.20	110 mm X 90 mm PN-4 PE-80	7.00	Nos	Each		
Total in Figures						
Total in Words						
TERMS AND CONDITIONS: -						
<ol style="list-style-type: none"> 1. The work will be got executed as per IPH specifications. 2. Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable. 3.The contractor is fully responsible for watch and ward of the material at site of work. 4. Nothing shall be paid for rejected work/material. 5. HDPE pipe shall be issued from IPH store Nalagarh free of cost. 6. Cement @ Rs. 255/-per bag and steel @ Rs. 3890/- per Qtl will be issued from IPH store Nalagarh. 						
						Executive Engineer, I&PH Divn., Nalagarh.

Job No. 3

SCHEDULE OF QUANTITY							
Name of Work:- Providing CAD facility to LIS Bheonkheri under HIMCAD in Tehsil Nalagarh District Solan (HP). (SH: - Providing fixing 13 Nos Pre- cast out let and Laying, jointing & testing of HDPE pipe in distribution system)					Estimated Cost :- Rs.	620133.00	/-only
					Earnest Money :- Rs.	12493.00	/-only
					Time :-	Three Months.	
SCHEDULE OF WORKS							
Sr. No.	Description of work	No.or Qty.	Unit	RATES		AMOUNT	
				Figures	Words	Rs.	P
C/O Out let= 13 Nos							
1.00	Excavation in foundation trenches etc. in all kinds of soil such as pick work,jumper work blasting work in soft or hard rook or by cum chiselling soft/ hard rock where blasting is prhibited in all leads and lif-ts including trimming and dewatering where ever required dressing of sides and bed stacking the excavated soil clear from the edge of excavaton and then returning the excavated soil after completion of work in 15cm layers when required into plinths, side of foundation etc. Consolidating each deposited layers by remming and watering and then disposing of all surplus excavated earth as direction within a lead of 20 mtrs. pick jumper work 50% each as per direction and to the entire satisfaction of Engineer-in-Charge upto all lead and lifts.	28.05	Cum	Per Cum			
2.00	Providing and laying cement concrete 1:4:8 (1 cement :4 sand :8 graded stone agg. 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth in all lead and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	2.77	Cum	Per Cum			
3.00	Providing and laying cement concrete of design mix M-20 with graded stone aggregate 20 mm nominal size and curing complete including the cost of getting mix designed from Govt/ semi Govt./ Govt. recognised Institute/ lab etc but excluding cost of form work and reinforcemnt for reinforced concrete work complete all respect with in all leads and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge .	2.33	Cum	Per Cum			
4.00	Providing and laying Precast slab in nominal cement concrete of design mix M-25 with graded stone aggregate 20 mm nominal size and curing complete including the cost of getting mix designed from Govt/ semi Govt./ Govt. recognised Institute/ lab etc but excluding cost of form work and reinforcemnt for reinforced concrete work complete all respect with in all leads and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge .	0.62	Cum	Per Cum			
5.00	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish including centring,shuttering,struting and propping etc with wooden battens and ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs. and removal of the same for insitu,reinforced concrete and plain concrete and plain concrete work in :-						
5.10	Vertical surfaces such as wall(Any thickness) partitions and the like i/c attached pillars, buttresses,plinth and string courses and the like including carriage of material in all leads & lifts.	14.57	Sqmt.	Per Sqm			
6.00	Boulder filling at bottom of 350 mm dia Hydrant Chamber.	2.63	Cum	Per Cum			
7.00	Providing and fixing fitting accessories as under complete in all respect as per the direction of Engineer in Charge.						
7.10	90 mm dia HDPE pipe PE 80 of pressure PN-4.00.	32.50	Rmt.	Per Rmt			
7.20	90 mm dia HDPE pipe end PE 80 of pressure PN-6.00	26.00	Nos	Each			
7.30	90 mm dia HDPE pipe bends of 90 degree PE 80 of pressure PN-6.00	26.00	Nos	Each			
7.40	90 mm dia HDPE pipe OC pump connector PE 80 of pressure PN-6.00	13.00	Nos	Each			
8.00	Providing Tor steel reinforcement for RCC work including bending ,binding and placing in position complete upto floor two level.	68.00	Kg	Per Kg			
9.00	Providing & fixing in position RCC pipe of following dia, class & length for outlets.						
9.10	RCC pipe of 900 mm dia NP-2	16.25	Rmt.	Per Rmt			
9.20	RCC pipe of 350 mm dia NP-2	8.45	Rmt.	Per Rmt			
10.00	Providing and fixing 80 mm dia control/ sluice valve PN-1 of Kirloskar/ Leader make as per direction and to the entire satisfaction of the Engineer-in Charge.	13.00	Nos	Each			

11.00	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 in gratings, framed guard bars, ladders, railings, brackets and similar works complete in all respects including entire carriage of materials within all leads and lifts as per the direction of the Engineer-in-Charge.	210.28	Kg	Per Kg		
Distribution System.						
12.00	Excavation in drain and channels etc. earth work for pipes upto all depths in all classification of earthwork such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft/hard rock or chiseling soft/hard rock where blasting is prohibited in all lifts including jungle clearance wherever required, trimming & dressing of sides, levelling of beds to correct grade including shoring/strutting, planking, timbering & dewatering wherever required, stacking the useable/unuseable material/soil separately & after laying, jointing & testing of pipes, returning the useable soil in trenches in 15cm layers including consolidating of such deposited layer by ramming & watering & then disposing of all surplus excavated soil/unuseable material as directed with in all leads & lifts including restoration of un-metalled surfaces to its original condition & including cost of diversion for traffic, right signals, fixing caution boards, crossing over trenches for access to houses, fencing etc. complete in all respects with in all leads and lifts and as per direction of the Engineer-in-charge at site of work.	1487.20	Cum	Per Cum		
13.00	Laying, jointing, testing and commissioning of high density polythene pipe for use for buried water main and services and for water supply above ground, both inside and outside building duly ISI marked (IS-4984-1995) as amended upto date of PE 80 of pressure 4.00 of the following diameter (Earth work work to be measured and paid for separately) complete in all respects, including entire carriage of materials upto all leads and lifts and as per direction of Engineer-in-Charge.					
13.10	125 mm dia PE 80 of pressure PN-4.00	660.00	Rmt.	Per Rmt		
13.20	110 mm dia PE 80 of pressure PN-4.00	690.00	Rmt.	Per Rmt		
13.30	90 mm dia PE 80 of pressure PN-4.00	1660.00	Rmt.	Per Rmt		
14.00	Providing & fixing Alfa valves of reputed & approved make like Kirloskar/ Kilburn/ IVC/ Leader make on distribution system of conforming to IS : 780-1984 with latest amendments of appropriate class, diameter and capable to withstand the requisite nominal seat pressure i/c testing & upto entire satisfaction of Engineer-in-Charge.					
14.10	125 mm dia	6.00	Nos	Each		
15.00	Providing and fixing of HDPE Tee of following sizes and pressure conforming to IS: 4984-1995 complete.					
15.10	125 mm PN-4 PE-80	6.00	Nos	Each		
15.20	110 mm PN-4 PE-80	4.00	Nos	Each		
16.00	Providing and fixing of HDPE reducer of following sizes and pressure conforming to IS: 4984-1995 complete.					
16.10	125 mm X 90 mm PN-4 PE-80	6.00	Nos	Each		
16.20	110 mm X 90 mm PN-4 PE-80	4.00	Nos	Each		
Total in Figures						
TERMS AND CONDITIONS: -						
<ol style="list-style-type: none"> 1. The work will be got executed as per IPH specifications. 2. Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable. 3. The contractor is fully responsible for watch and ward of the material at site of work. 4. Nothing shall be paid for rejected work/material. 5. HDPE pipe shall be issued from IPH store Nalagarh free of cost. 6. Cement @ Rs. 255/- per bag and steel @ Rs. 3890/- per Qtl will be issued from IPH store Nalagarh. 						
						Executive Engineer, I&PH Divn., Nalagarh.