

				Job No-1			
		SCHEDULE OF QUANTITY		Estimated Cost Rs:-		1,72,652/-	
		Name of work:- R/M of LWSS Madhiyana GP Kot Beja in Tehsil Kasauli Distt. Solan. (SH:- C/O RCC Sector storage tank		Earnest Money Rs:-		3400/-	
Sr. No.	Description	Qty.	Rate		Unit	Amount	
			In fig.	In words			
1	Excavation in foundation and trenches in all type of soil such as pickwork jumper work blasting soft & hard rock and through conglomeraterock upto all leads & lifts stacking the excavated soil not more than 3mtrs clear from the edge of excavation and then returning the stacked soil in 15cm layers when required into plinths sides of foundations etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated earth in all leads and lifts & as per directed of the Engineer in-charge.	19.84			Cum		
2	Providing and laying cement concrete 1:4:8(1cement:4approved sand:8app.graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth and as per the direction of Engineer-in-charge including entire carriage of material upto all leads and lifts.	4.41			Cum		
3	Providing and laying cement concrete 1:1.5:3(1cement:1.5approved sand:3approved graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-						
(a)	Wall (any thickness but not less than 0.1m thickness) attached pillasters,buttresses plinth and string courses etc. from top to foundation level upto floor two level and as per the direction of Engineer-in-charge.including entire carriage of material upto all leads and lifts.	6.11			Cum		
(b)	Foundation and plinth including entire carriage of material upto all leads and lifts..	2.23			Cum		
4	Providing & laying cement concrete 1:2:4 (1 cement :2 sand :4 graded stone aggregate 20mm nominal size and curing omplete excluding cost of form work & reinforcement for RCC work in suspended floors, roofs landings shelve & their supports balconies girders bresumers and cantilevers upto floor two level i/c entire carriage of material upto all leads & lifts.	1.71			Cum		
5	Providing tor steel reinforcement for RCC work including bending,winding and placing in position complete upto floor two level.as per the direction of Engineer-in-chief including entire carriage of material upto all leads and lifts.	1088			Kg		
6	Providing form work of ordinary timber planking so as to give a rough finish Including centring,shuttering strutting and propping etc. with wooden battens and ballies height of propping and centring below supporting floor to ceiling not exceeding 4mtrs and removal of the same for insitu reinforced concrete and plain concrete work in Arches beyond 6 mtr span including entire carriage of material upto all leads and lifts as per direction of Engineer-in-charge.						
i)	Vertical surface such as wall of (any thickness) partition and the like including attached pillaster buttresses plinth and string courses and like and as per the direction of Engineer-in-charge .including entire carriage of material upto all leads and lifts.	81.46			Sqm		
ii)	Flat surfaces such as soffits suspended floors roofs, landings and the like floors etc upto 200mm in thickness.and as per the direction of Engineer-in-charge.	14.99			Sqm		
iii)	Edges of slabs & breaks in floors & walls under 20cm wide.	14.76			Rmt.		
7	Providing & fixing man hole cover with frame 500mm dia (medium duty) total weight of frame and cover should not be less than 116 Kg. (weight of frame 58 kg and weight of cover 58 kg).	1			Each		
8	Fixing of inlet pipe, outlet pipe of 32mm, scour pipe 50mm dia & P/F C.I. ventilating pipe 100mm dia. 1 mtr. high with C.I. cowl fixed at top.	L.S.			Job		
						Total Rs.:-	

	TERMS AND CONDITIONS					
1	The undersigned reserves the right to accept or reject any or all the tenders without assigning any reason thereof.					
2	The work will be got executed as per IPH/PWD specification.					
3	Security, GST and other statutory deduction will be deducted from the contractor's bill as applicable.					
4	Nothing will be paid for sub-standard work/material.					
5	Work shall be started within 15 days after the date of award and completed in stipulated period.					
6	Stone aggregate/sand shall be used of approved quarry.					
7	The quoted rates should include all taxes and carriage charges etc. and nothing extra will be paid on this account.					
8	Useable material found at site while execution will be stacked properly and the same will be the property of the department.					
9	Cement @ 275/-per bag & steel @ 4700/- Per Qtl. will be issued from the IPH Store Solan.					
10	Empty bag required to be handed over to the deptt otherwise the recovery @ Rs. 5/-per bag will be made.					
11	Royalty for the material i.e. Sand, aggregate & stone shall be deducted from the bills as applicable					
12	G.I. pipes will be issued to the contractor free of cost on proper indent at IPH Store Solan. Further carriage and watch and ward will be the responsibility of the contractor. Shortage of G.I. pipe will be recovered on double rate as per Store issue rate.					Executive Engineer IPH Division Solan

						Job No-2	
						Estimated Cost Rs:- 1,46,074/-	
						Earnest Money Rs:- 2900/-	
						Time Limit :- One month.	
	SCHEDULE OF QUANTITY						
	Name of work :- R/M of sewerage system to Solan Town. (SH:- C/O chlorine tank for half capacity i.e. 1.45 MLD in Tehsil & Distt. Solan HP).						
Sr. No.	Description	Qty.	Rate		Unit	Amount	
			In fig.	In words			
1	Excavation in foundation and trenches in all type of soil such as pickwork jumper work blasting soft & hard rock and through conglomeraterock upto all leads & lifts stacking the excavated soil not more than 3mtrs clear from the edge of excavation and then returning the stacked soil in 15cm layers when required into plinths sides of foundations etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated earth in all leads and lifts & as per directed of the Engineer in-charge.	19.09			P/Cum		
2	Providing and laying cement concrete 1:4:8 (1 cement:4:sand :8graded stone agg. 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinths. including entire carriage of material upto all leads and lifts.	1.909			P/Cum		
3	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 strutting and propping etc. with wooden battens and ballies height of propping and centring below supporting floor to ceiling not exceeding 4mtrs and removal of the same for insitu reinforced concrete and plain concrete work in:-						
a)	Vertical surface such as wall of (any thickness) partition and the like including attached pillaster buttresses plinth and string courses and like.including entire carriage of material upto all leads and lifts.	153			Sqm		
4	Providing and laying cement concrete 1:1.5:3(1cement:1.5approved sand:3approved graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-						
a)	Wall (any thickness but not less than 0.1m thickness) attached pillasters,buttresses plinth and string courses etc. from top to foundation level upto floor two level and as per the direction of Engineer-in-charge.including entire carriage of material upto all leads and lifts.	8.79			Cum		
b)	Foundation and plinth including entire carriage of material upto all leads and lifts.	1.91			Cum		
5	Providing tor steel reinforcement for RCC work including bending, winding and placing in position complete upto floor two level.as per the direction of Engineer-in-chief including entire carriage of material upto all leads and lifts.	641			Kg		
					Total Rs.:-		
	TERMS AND CONDITIONS:-						
1	The undersigned reserves the right to accept or reject any or all the tenders without assigning any reason thereof.						
2	The work will be got executed as per IPH/PWD specification.						
3	Security, GST & other statutory deduction shall be made as applicable.						
4	Nothing will be paid for sub-standard work/material.						
5	Work shall be started within 15 days after the date of award and completed in stipulated period.						
6	Stone aggregate/sand shall be used of approved quarry.						
7	The quoted rates should include all taxes and carriage charges etc. and nothing extra will be paid on this account.						
8	Useable material found at site while execution will be stacked properly and the same will be the property of the department.						
9	Cement @ 275/-per bag will be issued from the IPH Store Solan						
10	Empty bag required to be handed over to the deptt otherwise the recovery @ Rs. 5/-per bag will be made.						
11	Royalty for the material i.e. Sand, aggregate & stone shall be deducted from the bill @ Rs. 32/cum, Rs. 45/cum & Rs. 56/cum				Executive Engineer IPH Division Solan		

					Job No-3		
SCHEDULE OF QUANTITY					Estimated Cost Rs:- 3,47,484/-		
Name of work:- A/R & M/O Drinking water supply to Solan Town. (SH:- O&M of WTP 14.72 MLD capacity for six month job in Tehsil & Distt. Solan HP).					Earnest Money Rs:- 6950/-		
					Time Limit :- Six months.		
Sr. No.	Description	Qty.	Rate		Unit	Amount	
			In fig.	In words			
1	Operation and maintenance of water treatment plant of 14.72 MLD capacity including all components with requisite staff for a period of 6 months from the date of award under the strict supervision of department. The cost of material i.e. Alum, bleaching powder and energy charge shall be borne by the department. The firm shall operate, run & maintain the WTP strictly as per O&M manual for a period of six month. Doses of Alum/ Bleaching powder & PAC etc shall be fixed by the department and testing in the laboratory shall be done by the department through departmental staff.	6 month			Job		
						Total Rs.:-	
TERMS AND CONDITIONS:-							
1	The undersigned reserves the right to accept or reject any or all the tenders without assigning any reason thereof.						
2	The work will be got executed as per IPH specification.						
3	Security, GST and other statutory deductions will be made as applicable.						
4	Nothing will be paid for sub-standard work/material.						
					Executive Engineer		
					IPH Division Solan		

						Job No-4			
		SCHEDULE OF QUANTITY				Estimated Cost Rs:-		2,52,232/-	
		Name of work:- C/O LWSS Sawagaon GP Hinner Tehsil Kandaghat Distt. Solan HP. (SH:- C/O storage tank near Jatoli				Earnest Money Rs:-		5,000/-	
Sr. No.	Description	Qty.	Rate		Unit	Amount			
			In fig.	In words					
1	Excavation in foundation and trenches in all type of soil such as pickwork jumper work blasting soft & hard rock and through conglomeraterock upto all leads & lifts stacking the excavated soil not more than 3mtrs clear from the edge of excavation and then returning the stacked soil in 15cm layers when required into plinths sides of foundations etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated earth in all leads and lifts & as per directed of the Engineer in-charge.	47.46			Cum				
2	Providing and laying cement concrete 1:4:8(1cement:4approved sand:8app.graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth and as per the direction of Engineer-in-charge including entire carriage of material upto all leads and lifts.	2.37			Cum				
3	Providing and laying cement concrete 1:1.5:3(1cement:1.5approved sand:3approved graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-								
(a)	Wall (any thickness but not less than 0.1m thickness) attached pillasters,buttresses plinth and string courses etc. from top to foundation level upto floor two level and as per the direction of Engineer-in-charge.including entire carriage of material upto all leads and lifts.	10.04			Cum				
(b)	Foundation and plinth including entire carriage of material upto all leads and lifts..	4.9			Cum				
4	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 strutting and propping etc. with wooden battens and ballies height of propping and centring below supporting floor to ceiling not exceeding 4mtrs and removal of the same for insitu reinforced concrete and plain concrete work in:-								
i)	Flat surfaces such as soffits suspended floors roofs, landings and the like floors etc upto 200mm in thickness.and as per the direction of Engineer-in-charge.	26.92			Sqm				
ii)	Vertical surface such as wall of (any thickness) partition and the like including attached pillaster buttresses plinth and string courses and like and as per the direction of Engineer-in-charge .including entire carriage of material upto all leads and lifts.				Sqm				
iii)	Edges of slabs & breaks in floors & walls under 20cm wide.	68.53			Rmt.				
5	Providing & laying cement concrete 1:2:4 (1 cement :2 sand :4 graded stone aggregate 20mm nominal size and curing omplete excluding cost of form work & reinforcement for RCC work in suspended floors, roofs landings shelve & their supports balconies girders bresumers and cantilevers upto floor two level i/c entire carriage of material upto all leads & lifts.	3.51			Cum				
6	Providing tor steel reinforcement for RCC work including bending,winding and placing in position complete upto floor two level.as per the direction of Engineer-in-chief including entire carriage of material upto all leads and lifts.	1476			Kg				
7	Providing & fixing man hole cover with frame 500mm dia (medium duty) total weight of frame and cover should not be less than 116 Kg. (weight of frame 58 kg and weight of cover 58 kg).	1			Each				
8	Providing & fixing gun metal full way valve of following dia as per direction of Engineer-in-charge including entire carriage of material upto all leads and lifts.								
	50mm dia	2			Each				
	25mm dia	1			Each				
9	Steel work welded in built up sections, trusses and frame work including cutting hosting, fixing in position and applying a priming coat of red lead paint in grating framed guard bars ladders, railing, brackets angle 50x50x6mm complete in all respect including entire carriage of material upto all leads and lifts as per the directions of the Engineer-in-Charge.	70.875			Kg				
						Total Rs.:-			

	<u>TERMS AND CONDITIONS</u>					
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3	Security, GST and other statutory deduction will be deducted from the contractor's bill as applicable.					
4	Nothing will be paid for sub-standard work/material.					
5	Work shall be started within 15 days after the date of award and completed in stipulated period.					
6	Stone aggregate/sand shall be used of approved quarry.					
7	The quoted rates should include all taxes and carriage charges etc. and nothing extra will be paid on this account.					
8	Useable material found at site while execution will be stacked properly and the same will be the property of the department.					
9	Cement @ 275/-per bag & steel @ 4700/- Per Qtl. will be issued from the IPH Store Solan.					
10	Empty bag required to be handed over to the deptt otherwise the recovery @ Rs. 5/-per bag will be made.					
11	Royalty for the material i.e. Sand, aggregate & stone shall be deducted from the bills as applicable					
					Executive Engineer	
					IPH Division Solan	

	Profile- A	18			Rmt	
	Profile- B	7.5			Rmt	
12	Providing fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory window including black enamelled iron butt hinges with necessary screws in 2nd class deodar/kail wood 40mm thick including entire carriage of material upto all leads and lifts.	7.10			Sqm	
13	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.and as per the direction of Engineer-in-charge Including entire carriage of material upto all leads & lists.	4.69			Cum	
14	Providing and laying cement concrete 1:4:8 (1 cement:4:sand :8graded stone agg. 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinths. including entire carriage of material upto all leads and lifts.	4.96			Cum	
15	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 including entire carriage of material upto all leads and lifts.	51.5			Sqm	
16	Providing and fixing on wall face cast iron water pipe including fitting and joints with spun yarn and cement mortar 1:2 (1cement:2sand) including entire carriage of material upto all leads and lifts.	7			Rmt	
17	Painting top of roof with bitumen of approved quality @ 1.70 kgm ² impregante with a coat of sand at 63 cm ³ per 10 sqm including creaming the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete with residual type petroleum bitumen of penetration 80/100. Including entire carriage of material upto all leads and lifts.	78.19			Sqm	
18	Providing & laying tiles over mumty roofs grouted with cement mortar 1:3 (1cement :3sand) over a 12mm layer of cement mortar 1:3	78.19			Sqm	
19	Applying priming coat over new wood and wood based surfaces after and including preparing the surface by throughly cleaning oil,grease,dirt and other foreign matter preparing the surface by throughly cleaning oil,grease,dirt and other foreign matter with ready mixed paint brushing wood primer pink including entire carriage of material upto all leads and lifts.	38.61			Sqm	
20	Painting two coat excluding priming coat on new wood and wood surfaces with ready mixed paint brushing to give an even shade including cleaning the surface of dirt,dust and other foreign matter sand papering & stoping.including entire carriage of material upto all leads & lifts	38.61			Sqm	
21	White washing with lime on decorated wall surfaces (three coats) to give an even shade including throughly brooming the surface to remove all dirt dust mortar drops and loose scale of lime wash and other foreign matter including entire carriage of material upto all leads and lifts.	164.72			Sqm	
22	Hirmachi colour wash on undecoated wall surfaces (three coats) to give an even shade i/c thoroughly brooming the surface to remove all dirt, dust mortar drops and loose scale of hirmachi wash and other foreign matter as per direction of Engineer-in-charge including entire carriage of material upto all leads & lifts.	108.65			Sqm	
23	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1cement:3snd:6graded stone agg. 20mm nominal size) including entire carriage of material upto all leads and lifts.	24.22			Sqm	
24	Providing 40x3mm flat iron hold fast 40cms long including fixing to frame with 10mm diameter bolts nuts and wooden plugs and embedding in cement concrete block 30x10x15cms 1:3:6 (1cement:3sandf:6graded stone aggregate 20mm nominal size) including entire carriage of material upto all leads and lifts.	20			Each	
25	Providing and fixing an oxidized M.S.tower bolts barrel type with necessary screws etc. complete as per the direction of Engineer,in-charge including entire carriage of material upto all leads and lifts.(250x10mm)	32			Each	
26	Providing and fixing an oxidized aluminium handle with necessary screws etc. complete as per the direction of Engineer-in-charge including entire carriage of material upto all leads and lifts.					
	125mm dia	4			Each	
	100mm dia	12			Each	

27	Providing fixing M.S. sliding door bolts anodized transparent or dyed to required shade and colour with screws etc complete as per the directions of Engineer-in-Charge including entire carriage of material upto all leads and lifts (250x16mm).	2			Each	
28	Providing & fixing fan clamps type 1 of 16mm dia bar bent to shape with hooked ends in RCC slab during laying including painting the exposed portion of roof as per standard design complete in all respect including entire carriage of material upto all leads & lifts.	2			Each	
29	Providing and fixing M.S. grills of required pattern in wooden frames/ pressed steel frame with M.S. flat, square or round bars 12mm dia with round headed bolts and nuts or by screws as per the direction of Engineer-in-charge including entire carriage of material upto all leads and lifts. (Plain grills).	35.78			Kg	
					Total Rs.:-	
	TERMS AND CONDITIONS:-					
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3	Security, GST & other statutory deduction shall be made as applicable.					
4	Nothing will be paid for sub-standard work/material.					
5	Work shall be started within 15 days after the date of award and completed in stipulated period.					
6	Stone aggregate/sand shall be used of approved quarry.					
7	The quoted rates should include all taxes and carriage charges etc. and nothing extra will be paid on this account.					
8	Useable material found at site while execution will be stacked properly and the same will be the property of the department.					
9	Cement @ 275/-per bag will be issued from the IPH Store Solan					
10	Empty bag required to be handed over to the deptt otherwise the recovery @ Rs. 5/-per bag will be made.					
11	Royalty for the material i.e. Sand, aggregate & stone shall be deducted from the bill @ Rs. 32/cum, Rs. 45/cum & Rs. 56/cum respectively.					
					Executive Engineer	
					IPH Division Solan	