

**SCHEDULE OF QUANTITY**

NAME OF WORK :- Improvement of water supply to village Amned Bumana & Kadriana in Tehsil & Distt. Hamirpurr					ESTIMATED COST Rs.	289871.00
SUB HEAD :- C/O sump well 35000 liters & Pump house )					TIME	3 MONTHS
S.No	Description of item	Quantity	Rate in fig	Rate in words	Unit	Amount.
1	2	3	4	5	6	7
1	Excavation in foundation , trenches etc., in all kinds of soil such as pickwork, jumper work blasting work, in soft / hard rock, including chiseling wedging out of rocks clearance of bushes etc.including shoring, dewatering etc. in all leads and lifts stacking the excavated soil upto any lead and lift clear from the edge of excavation and then returning the stacked soil 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 earth within all leads and lifts complete to the entire satisfaction as directed by the Engineer-in-charge of the site of work.	29.10			Cum.	
2	Providing and Laying cement concrete1:6:12 (1Cement :6Sand:12 graded stone aggregate 40 mm nominal size) including curing complete excluding the cost of form work in foundation and plinth in all leads and lifts.	2.45			cum	
3	Providing and Laying cement concrete1:3:6 (1Cement :3Sand:6 graded stone aggregate 20 mm nominal size) including curing complete excluding the cost of form work in foundation and plinth in all leads and lifts.	1.63			Cum.	
4	Squared rubble stone masonry coursed with hard stone of approved quality in foun. & plinth including racking out of joints in cement mortar 1:6 ( 1 cement :6 sand ) in all leads & lifts	8.72			cum	
5	Providing and Laying cement concrete1:1.5:3 (1Cement :1.5 Sand:3graded stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-					
i)	Foundations,footings bases of columns and the like and mass concrete in all leads and lifts.	3.25			cum	
ii)	Walls (any thickness but not less than 0.10 metre thickness) including attached pilasters buttersses ,plinth and string courses etc. from top of foundation upto floor two level in all leads and lifts.	6.22			Cum.	
iii)	Suspended floors,roofs,landing shelves and their supports balconies beams,girders bressumers and cantilever upto floor two level including carriage of material in all leads & lifts.	4.95			Cum.	
6	Brick work using common burnt clay building bricks (IInd class) in super structure above plinth level upto floor two level in cement mortar 1:6 (1cement:6 sand) in all leads and lifts.	9.81			Cum.	
i)	Providing woodwork in frames of doors,windows,clerestory,windows and other frames wrought,framed and fixed in position with second class deodar wood in all leads and lifts.	0.192			Cum.	
ii)	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws in all leads and lifts.	5.81			cum	
7	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 centering below supporting floor to ceiling not exceeding 4meters and removal of the same for insitu reinforced concrete and plain.					

8	Vertical surfaces such as walls(any thickness) partitions and the like including attached pilasters, buttresses, plinth and string courses and the like complete in all respect as per direction and to the entire satisfaction of the Engineer-in-charge.	82.94			Sqmt	
9	Flat surfaces such as soffits of suspended floors, roofs, landings and the like floors etc. above 200mm. In thickness with in all leads and lifts & to the entire satisfaction of the Engineer-in-charge	27.29			cum	
10	Beams,cantilevers,girders & lintels, sides & soffits of beams, haunching,cantilevers,bressumers 1.00 mts. In depth in all heights from floor in all leads and lifts.	4.53			sqmt	
11	Edges of slabs and breaks in floors and wall under 20 cm. Wide in all leads and lifts.	21.64			sqmt	
12	Cement concrete flooring 1:2:4 (1 cement : 2 sand:4 graded stone aggregate 20 mm nominal size) laid in one layer finished with a floating coat of neat Cement 50mm thick in all leads and lifts.	9.00			sqmt	
i)	20mm cement plaster in single coat of rough sides of bricks/concrete stone walls for interior plastering upto floor two level including arrises internal rounded angles chamber and rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:6(1cement:6sand) within all leads and lifts.	46.22			sqmt	
ii)	Pointing on brick masonry in cement mortar 1:3 (1 cement:3 sand) (RULED POINTING ) in all leads and lifts.	38.43			sqmt	
iii)	6 mm cement plaster to ceiling in CM 1:4 (1Cement :4 Sand) in all leads and lifts.	17.60			Sqmt	
13	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1cement:3sand:6 graded stone aggregate 20mm nominal size) including finishing of the top surface of concrete smooth in all leads and lifts.	12.63			sqmt	
14	Providing under layers for plinth protection of 75 mm thick ( unconsolidated) bed dry brick/stone aggregated 40 mm nominal size will rammed & consolidated & grouted with fine sand including preparation of gruond in all leads and lifts..	12.63			sqmt	
15	Providing in RCC work smooth finishing of the exposed surface with cement mortar 1:3 (1 cement : 3 sand) with in all leads and lifts & to the entire satisfaction of the Engineer-in-charge.	82.94			sqmt	
16	Providing tor steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level including carriage of material in all leads & lifts.	1151.50			kg	
17	Steel work welded in built up sections,trusses & framed work, including cutting ,hoisting & fixing in position & applying a priming coat of red lead paint :- In grating, framed ,guards,bars, ladders, railing, brackets & similar works in all leads and lifts..	0.531			Qtl	
18	Laying jointing and testting of GMS pipe following dia (medium/ light class) for scour pipe, inlet pipe , over flow pipe & distribution system including carriage of material in all leads & lifts.( Labour rates.)					
19	100 mm dia .	10.00			sqmt	
20	Providing and fixing double flanged C.I sluice valve of following dia (with hand wheel) as per IS: 780 (including brass spindle and as per IS: 2906 Class-II complete with bolts., nuts, rubber insertion etc. ( along with tail pieces if required) following dia including all leads and lifts complete. ( Bir make) <b>with M.S. flanges of table 5.</b>					
21	100 mm dia .	2.00			rmt	

22	Providing and fixing SFRC Man hole cover with frame having frame size of 560mm internal dia (Medium duty) The Weight of cover & frame should not less than 100kg including carriage of material in all leads & lifts.	1.00			Each	
	Distempering two coat with oil bound washable distemper of approved brand and manufacturers of required shade of undecorated wall surfaces to give even shade over and including a priming coat with alkali-resistance primer of approved brand and manufacturer after thoroughly brushing the surface from motor dropping and other foreign matter and also including preparing the surface even and sand papering smooth priming coat with distemper primer in all leads and lifts.	46.22			sqmt	
	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil dirt grease and other foreign matter sand papering and knotting ready mixed paint brushing wood primer pink in all leads and lifts.	9.10			sqmt	
23	Painting two coats(excluding priming coat) on new wood and wood based surface with ready mixed paint brushing the give and even shade including cleaning of all dirt dust and other foreign matter and sand papering and stopping with ready mixed paint other than white in all leads and lifts.	9.10			sqmt	
	White washing with lime on undecorated walls surface (two coats) to give an even shade including thoroughly brooming the surface dirt dust mortar dirt and other foreign matter in all leads and lifts.	17.60			sqmt	
	Finishing wall with water proofing cement paint of approved brand & manufacture & of required shade on undecorated wall surfaces (two coats) to give an even shade after thoroughly brushing the surface to remove all dirt & remains of loose powdered materials.	38.43			sqmt	
24	Providing and fixing M.S.fan clamp(Type-I of 16mm dia M.S. Bar bent to shape with hooked ends in RCC. Slab during laying including painting the exposed portion of loop all as per standard design complete in all leads and lifts.	1.00			each	
25	Providing 40x3mm flat iron hold fast 40cm long including fixing to frame with 10mm dia meters bolts and nuts and wooden plug and embedding in cement mortar block 30x10x15cm 1:3:6(1cement:3sand:6 graded stone aggregate 20mm nominal size in all leads and lifts..	18.00			each	
26	Providing and fixing following anodized aluminium fittings of anodized transparent and shade with necessary screw etc.complete in all leads and lifts.					
27	Sliding door bolts 250x16mm.	1.00			each	
28	M.S. tower bolts (Barrel type) leads and lifts. 200x10mm.	2.00			each	
	M.S. tower bolts (Barrel type) leads and lifts. 100x10mm.	6.00			cum	
	M.S. handles 125mm dia	2.00			cum	
	M.S. handles 75mm dia	6.00			cum	
	Providing and fixing M.S. grill of required pattern in wooden frames of windows etc. with M.S. flat square or rounded with round head nuts and bolts or by screwed complete in all leads and lifts.	50.31			cum	
	Stone/Boulder filling under floors/behind retaining walls in all leads and lifts.	1.35			cum	

#### TERMS AND CONDITIONS

- 1 The work will be executed as per HP IPH specification and to the entire satisfaction of the Engineer-in-Charge.
- 2 Nothing shall be paid for rejected work.
- 3 Security, income tax and sale tax will be deducted from each bill of the contractor as per admissible..
- 4 The following material will be issued to the contractor rate shown against each from divisional store.

**a) Cement @ Rs.270/- Per bag. Steel @ 4910 per Qtl & G.I. Pipe free of cost .**

- 5 All other material will be arranged by the contractor at his own cost and risk
- 6 **Crushed stone aggregate will be used for concrete work.**
- 7 Well screened /washed sand will be used for concrete work.
- 8 Mechanical mixture and vibrator will be used for RCC work.
- 9 Water will be arranged by the contractor at his own cost and risk.
- 10 Material should be used of approved quarry.
- 11 Contractor shall be responsible for watch and ward of material at site of work.
- 12 1% labour cess will be deducted from each bill of contractor

**SCHEDULE OF QUANTITY**

ESTIMATED COST Rs. 999258.00

ESTIMATED MONEY Rs. 19985.00

**NAME OF WORK :- Providing drinking water facilities to the habitations having less than 100 persons under IPH Sub Division**  
**SUB HEAD :- C/O RCC storage tank 10000 liters capacity 6Nos & C/O boundary wall around the head works )**

TIME 6 MONTHS

S.No	Description of item	Quantity	Rate in fig	Rate in words	Unit	Amount.
1	2	3	4	5	6	7
1	Excavation in foundation , trenches etc., in all kinds of soil such as pickwork, jumper work blasting work, in soft / hard rock, including chiseling wedging out of rocks clearance of bushes etc.including shoring, dewatering etc. in all leads and lifts stacking the excavated soil upto any lead and lift clear from the edge of excavation and then returning the stacked soil 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 earth within all leads and lifts complete to the entire satisfaction as directed by the Engineer-in-charge of the site of work.	127.78	Cum.		Cum.	
2	Providing and Laying cement concrete1:3:6 (1Cement :3Sand:6 graded stone aggregate 20 mm nominal size) including curing complete excluding the cost of form work in foundation and plinth in all leads and lifts.	4.26	Cum.		Cum.	
3	Providing and laying cement concrete 1:4:8 (1 cement:4 sand:8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in: foundation and plinth in all leads and lifts.	8.47	Cum.		Cum.	
4	Providing and Laying cement concrete1:1:2 (1Cement :1 Sand:2graded stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-					
i)	Foundations,footings bases of columns and the like and mass concrete in all leads and lifts.	6.36	Cum.		Cum.	
(ii)	Walls (any thickness but not less than 0.10 metre thickness) including attached pilasters buttersses ,plinth and string courses etc. from top of foundation upto floor two level in all leads and lifts.	18.36	Cum.		Cum.	
5	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 centering below supporting floor to ceiling not exceeding 4meters and removal of the same for insitu reinforced concrete and plain.					
i)	Vertical surfaces such as walls(any thickness) partitions and the like including attached pilasters, buttresses, plinth and string courses and the like complete in all respect as per direction and to the entire satisfaction of the Engineer-in-charge.	245.16	sqmt		sqmt	
ii)	Flat surfaces such as soffits of suspended floors, roofs, landings and the like floors etc. above 200mm. In thickness with in all leads and lifts & to the entire satisfaction of the Engineer-in-charge	24.78	sqmt		sqmt	
6	Providing in RCC work smooth finishing of the exposed surface with cement mortar 1:3 (1 cement : 3 sand) with in all leads and lifts & to the entire satisfaction of the Engineer-in-charge.	245.16	sqmt		sqmt	
7	Providing and Laying cement concrete1:1.5:3 (1Cement :1.5 Sand:3graded stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-					

i)	Suspended floors,roofs,landing shelves and their supports balconies beams,girders bressumers and cantilever upto floor two level including carriage of material in all leads & lifts.	4.02	Cum.			Cum.	
8	Providing tor steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level including carriage of material in all leads & lifts.	2255.46	kg			kg	
9	Steel work welded in built up sections,trusses & framed work, including cutting ,hoisting & fixing in position & applying a priming coat of red lead paint :- In grating, framed ,guards,bars, ladders, railing, brackets & similar works in all leads and lifts..	301.78	kg			kg	
10	Laying jointing and testting of GMS pipe following dia (medium/ light class) for scour pipe, inlet pipe , over flow pipe & distribution system including carriage of material in all leads & lifts.( Labour rates.)						
i)	100 mm dia .	96.00	rmt			rmt	
11	Providing and fixing double flanged C.I sluice valve of following dia (with hand wheel) as per IS: 780 (including brass spindle and as per IS: 2906 Class-II complete with bolts., nuts, rubber insertion etc. ( along with tail pieces if required) following dia including all leads and lifts complete. ( Bir make) <b>with M.S. flanges of table 5.</b>						
ii)	100 mm dia .	18.00	Nos			each	
12	Providing and fixing SFRC Man hole cover with frame having frame size of 560mm internal dia (Medium duty) The Weight of cover & frame should not less than 100kg including carriage of material in all leads & lifts.	6.00	Nos			each	
13	Random rubble stone masonry/polygonal rubble masonry ( uncoursed / brought to courses) with hard stone of approved quality in foundation & plinth including leveling up with cement concrete 1:6:12 ( 1cement :6sand : 12 graded stone aggregate 20mm nominal size ) at plinth level in cement mortar 1:6 ( 1 cement :6 sand ) in all leads & lifts	28.53	Cum.			cum	
14	Brick work using common burnt clay building bricks (IIInd class) in foundation and plinth upto floor two level in cement mortar 1:4 (1cement:4 sand) in all leads and lifts.	11.27	Cum.			Cum.	
15	Half brick masonry in common burnt clay building bricks in cement mortar 1:4( 1cement :4sand) 2nd class brick complete in all leads and lifts.	78.3	sqmt			sqmt	

16	Manufacturing and supplying of fencing panel of size 1.20x1.80 meters of Jali 25x25mm welded to M.S. black tube of 32mm dia of 14 guage with M.S. flats 20x3mm, welded all around the pipe panel two on both side and propviding hold fasts 7 Nos of M.S flate of 32x3mm thickness having consting of tee of size 15x15 cmsd tee acting as hold fasts including cutting, welding, painting with read oxide paint complete in all respects the work should be executed as per the entire satisfaction of the Engineer-in-Charge complete in all respects .	58.00	Nos			each	
17	15 mm cement plaster in single coat of rough sides of bricks/concrete stone walls for interior plastering upto floor two level including arrises internal rounded angles chamber and rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:6(1cement:6sand) within all leads and lifts.	266.40	sqmt			sqmt	
18	Finishing wall with water proofing cement paint of approved brand & manufacture & of required shade on undecorated wall surfaces (two coats) to give an even shade after thotoughly brushing the surface to remove all dirt & remains of loose powdered materials.	266.40	sqmt			sqmt	
19	Providing / fixing & commissioning of HPSV street light including 125 W. Sodium valve with deep drawn alluminium lamp including all weather proof cast alluminium control gear box mounted on a detachable metal tray for easy maintenance inside / outside the lamp housing finished with white enamelled by means of scientifically designed electro brightned and inner side reflector enssuring high light out put from the tantern and clear acrylic bowl of high transparency fitted with synthetic rubber gasket to secure the loop housing by mean of four loggiet it render the tantern relectful enclosed and weather proof of GEC/Phlipd/ Bajaj/CROMPTON/GROFTON make can be adjusted with 32mm dia pipe bend one meter of suitable angle including fixing butts and bolts and clamps & making hook to G.I. pipe etc. complete in all respects (G.I.pipe shall be issued by the department free of cost by the department.	2.00	Nos.			Cum.	

#### TERMS AND CONDITIONS

- 1 The work will be executed as per HP IPH specification and to the entire satisfaction of the Engineer-in-Charge.
- 2 Nothing shall be paid for rejected work.
- 3 Security, income tax and GST will be deducted from each bill of the contractor as per admisible..
- 4 The following material will be issued to the contractor rate shown against each from divisional store.  
**a) Cement @ Rs. 270 /- Per bag. Steel @ 4910 per Qtl & G.I. Pipe free of cost .**
- 5 All other material will be arranged by the contractor at his own cost and risk
- 6 **Crushed stone aggregate will be used for concrete work.**
- 7 Well screened /washed sand will be used for concrete work.
- 8 Mechanical mixture and vibrator will be used for RCC work.
- 9 Water will be arranged by the contractor at his own cost and risk.
- 10 Material should be used of approved quarry.No deviation will be allowed from the approved scope without prior permission of undersigned .
- 11 Contractor shall be responsible for watch and ward of material at site of work.
- 12 1% labour cess will be deducted from each bill of contractor

**SCHEDULE OF QUANTITY**

Name of work :- Providing LWSS to NC/PC/ habitation under LWSS Aman LWSS Kachoti and

ESTIMATED COST Rs. 503040.00  
EARNEST MONEY Rs. 10061.00

TIME 2 MONTHS

S.No	Description of item	Quantity	Rate in fig	Rate in words	Unit	Amount.
1	2	3	4	5	6	7
1	Excavation in foundation , trenches etc., in all kinds of soil such as pickwork, jumper work blasting work, in soft / hard rock, including chiseling wedging out of rocks clearance of bushes etc.including shoring, dewatering etc. in all leads and lifts stacking the excavated soil upto any lead and lift clear from the edge of excavation and then returning the stacked soil 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 earth within all leads and lifts complete to the entire satisfaction as directed by the Engineer-in-charge of the site of work.	43.31			Cum.	
2	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 centering below supporting floor to ceiling not exceeding 4meters and removal of the same for insitu reinforced concrete and plain.					
a)	Vertical surfaces such as walls(any thickness) partitions and the like including attached pilasters, buttresses, plinth and string courses and the like complete in all respect as per direction and to the entire satisfaction of the Engineer-in-charge.	360.00			sqmt	
3	Providing and laying cement concrete 1:5:10 (1cement :5sand :10 graded stone aggregate 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 complete upto floor two level in all leads and lifts..	135.00			Cum.	
4	Brick work using common burnt clay building bricks (IInd class) in super structure above plinth level upto floor two level in cement mortar 1:6 (1cement:6 sand) in all leads and lifts.	8.96			cum	
5	Providing and laying cement concrete 1:2:4(1cement:2sand:4 graded stone aggregate 20mm nominal size)and curing complete excluding the cost of form work in foundation and plinth including carriage of material in all leads & lifts.	10.680			Cum.	
6	Steel work welded in built up sections, trusses and framed work including cutting,hoistingfixing in position and applying a priming coat of red lead paint in grating framed guard bars, ladders railing, brackets and similar work including all leads and lifts complete.	1.04			Qtl	
7	Finishing wall with water proof cement paint of approved brand and manufacturers and of required shade on undecorated wall surfaces ( two coats) to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered material in all leads and lifts	100.50			Per sqmt	



8	Applying priming coat over new steel & other metal surfaces after & including preparing the surface by thoroughly cleaning oil grease dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete with ready mixed priming paint brushing red lead,Red-oxide/zinc oxide chrome in all leads and lifts. .	86.40			sqmt	
9	Painting two coats (excluding priming coat)on new steel and other metal surface under coat with ready mixed paint brusing to give an even shade including cleaning the surface all dirt,dust and other foreign matter With Enamel paint other than white	10.13			sqmt	
10	20 mm cement plaster in single coat of rough sides of bricks/concrete stone walls for interior plastering upto floor two level including arrises internal rounded angles chamber and rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:6(1cement:6sand) in all leads and lifts.	10.13			sqmt	
11	Providing fixing and commissioning of HP CFL street light including 75 watt CFL bulb and weather proof box GEC/Philps/ Bajaj/Crompton/ Grofton make can be adjusted with 32mm dia pipe bend one meter of suitable angle including fixing bolts and nuts and clamps & making hook to G.I. pipe etc. complee in all respects ( G.I. pipe shall be issued by the department free of cost) .in all leads and lifts and to the entire satisfaction of the Engineer-in-Charge.	8			ech	
12	Providing and laying suitable size copper PVC insulated armoured power 2.5 core cable conforming to BIS 1554 (part-I) –1988 of latest with upto date amendments siemen/closter/ICC make form meter of HPSEB- to MCB and form MCB to Bus bar switch and starter (one cable carrying all three phases) including all other electrical equipment/accessories such as thimbles, flexible pipe solder, nuts and bolts, cable glands, etc. laid in pipes of trenches under floor. The type, size and make will be subject to approval of HPSEB authorities. In case of non acceptance by HPSEB authorities it shall have to be replaced by the tenderer.	240.00			mtr	
13	Construction of temporary toilet 1.00x1.00mtr(two into one mtr) size of stanard eigh and depth made of RCC planks, frame and shutters of anele iron and plains crrugated iron sheets, shutters, W.C. (water closet) india type and pit including excavation of toilet foundation and soakpit in all kind of soil and disposal of surplus excavated earth filling with coarsed sand cement concrete flooring 1:2:4( 1cement, 2sand,4graded stone aggregate of 20mm nominall size of temporary rural santation system in all leads and lift and height as per direction of Engineer-in - incharge.	1.00			each	

#### TERMS AND CONDITIONS

- 1 The work shall be carried out as per IPH. specifcation and to the entire satisfactories after Engineer-in-charge.
- 2 Security, Income tax GST and surcharge as applicable under various clause of form PW 6 & 8 will be decuded from the each running bill
- 3 The following material will be issued to the contractor rate shown against each from divisional store.  
**A) Cement @ 270- per bag.**
- 4 The final payment will be made to the contractor after completion of work.
- 5 Nothing shall be paid for rejected material/work.
- 6 **Crushed stone aggregate will be used for concrete work.**
- 7 The cost of employer provident fund(EPF) shall be included in the rares quoted by the firm/ contractors. The deposition of same will be firm/ contractor's
- 8 All the necessary documents such as Income tax clearance certificate, renewal of registration and Sale tax No. should be readily available with the contractor at the time of purchasing of tender documents.
- 9 **Labour cess @ 1% will be deducted from the running payments.**