

Job-I**SCHEDULE OF QUANTITY**

Estimated cost:-Rs. 402858/-

Earnest money:-Rs. 8060/-

Time limit:- Three months.

Name of work:- Improvement of distribution system of various WSS under Jaswan Pragpur constituency
(under Project) in tehsil Jaswan and Pragpur Distt. Kangra (HP) LWSS Swana Tiamal
(Sub-Head:- C/O storage tank of 30000 litres capacity at Vill. Pakka Bharo

Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
1	Excavation in foundation, trenches etc. in earth work in all kinds of soil lift upto all height, stacking the excavated soil not more then 3 mtrs. clear from the edge of excavation & then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc.	47.35 Cum			Per cubic meter.	
2	Providing and laying cement concrete 1:3:6(One cement :three sand : six graded stone aggregate 40mm nominal size and curing complete excluding the cost of centering & shuttering in foundation and plinth within all leads and lifts.	3.93 Cum			Per cubic meter.	
3	Providing and laying cement concrete 1:1.5:3 (One cement:one & half sand:three graded stone aggregate 20mm nominal size) and curing complete excluding the cost of form work and					
a)	Foundation, footing bases of columns and the like and mass concrete within all leads and lifts .	4.52 Cum			Per cubic meter.	
b)	Wall (any thickness but not less than 0.10 mtrs.thickness) attached pillasters, buttresses plinth & string courses etc. from top of foundation level upto floor two level within all leads and lifts.	14.02 Cum			Per cubic meter.	
c)	Suspended floor, roofs, landing & shelves & their support balconies, beams, girder, bressumers & cantilever upto floor level.	1.820 Cum			Per cubic meter.	
d)	Arches upto floor two level.	2.130 Cum			Per cubic meter.	
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 battons and ballies, height of propping and centring below supporting floor to					
b)	Vertical surface such as walls (any thickness) partitions and the like including attached pillasters,buttresses, plinth and string courses and the like within all leads and lifts.	95.00 Sqm			Per square meter.	

Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
5	Providing form work of ordinary timber plankings, 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 4 meters and removal of the same for in-					
a)	Arches upto 6.00 mtr. Span.	14.19 Sqm			Per square	
6	Providing in RCC work smooth finishing of the exposed surface with cement motor 1:3(One cement:Three sand) within all leads and lifts.	95.00 Sqm			Per square meter.	
7	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level within all leads and lifts .	2263.32 Kgs.			Per Kgs.	
8	Steel work welded in built up sections, trusses & framed work including cutting, hoisting and fixing in position and applying a priming coat of red paint:- In grating, framed, guards bars, ladders,railing, brackets & similar works within all leads and lifts.	102.24 Kgs.			Per Kg.	
9	Laying in trenches GMS pipe (L/M class) tube fitting (earth work in trenches to be measured and paid for separately) complete within all leads and lifts .					
	i) 80mm dia	18.00 Rmt.			Per Rmt	
10	Providing & fixing of Kirloskar/Leader make Cast Iron sluice valve following dia Class-PN-1.0 with M.S.flange table-5 conforming to IS:780-1984 latest with uptodate ammendments having seat pressure 10.20Kg./cm ² including nut, bolts and gasket sheet within all leads and lifts.					
	i) 80mm dia	3.00 Nos.			Per Rmt	
11	Constructing chamber for sluice valve, with C.I.surface box 100mm top dia,160mm bottom dia & 180mm deep(inside) with chained lid RCC top 1:2:4 mix (One cement : Two sand :Four graded stone aggregate 20mm nominal size)100mm thick foundation concrete 1:5:10 (One cement :	2.00 Nos.			Each	

Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
12	Providing and fixing of precast concrete SFRC manhole cover with internal frame & cover system conforming to IS specifications code-12592-Part-I & II with latest amendments having size of 560mm internal dia within all leads and lifts.	2.00 Nos.			Each	
13	Finishing wall with water proofing cement paint of approved brand & manufacture and of required shade on undecorated wall surface (two coats) to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered material within all leads	95.00 Sqm			Per square meter.	

Total:-

TERMS & CONDITIONS.

- 1 The work shall be executed as per PWD/IPH specifications.
- 2 Security, sale tax & Income tax shall be deducted from the bill as per prevalent rules.
- 3 Nothing shall be paid for rejected work/material.
- 4 The cement and steel shall be issued by the Department @ Rs.267/- per bag and Steel @ Rs.5046/ per quintal from Divisional Store Dehra.
- 5 The G.I.pipe will be issued free of cost from Divisional Store Dehra.
- 6 1% cess on account of building and other construction workers as per Act-1996.
- 7 The final payment made to the contractor after completion of work and to the entire satisfaction of Engineer-in-Charge.

**Executive Engineer,
IPH Division, Dehra.**

Job-II**SCHEDULE OF QUANTITY**

Name of work:- Restoration of rain damages LWSS Kamlota Kohala in tehsil Jawalamukhi Distt. Kangra (HP)
 (Sub-Head:- C/O Wire crate to protect the P/well)

Estimated cost:-Rs. 333195/-
 Earnest money:-Rs. 6670/-
 Time limit:- Three months.

Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
1	Excavation in foundation, trenches etc. in earth work in all kinds of soil lift upto all height, stacking the excavated soil not more then 3 mtrs. clear from the edge of excavation & then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc.	60.97 Cum			Per cubic meter.	
2	Wire crate made of G.I.wire filled with boulders with square cut faces against the wire (wire crate to be measured and paid for separately)for launching apron within all leads and lifts.	144.73 Cum			Per cubic meter.	
3	Wire crate made of G.I.wire filled with boulders with square cut faces against the wire (boulder filling to be measured and paid for separately) G.I.wire 5.00mm thick corresponding to SWG-6 15cm x 15cm mesh within all leads and lifts.	694.70 Sqm			Per square meter.	

Total:-**TERMS & CONDITIONS.**

- 1 The work shall be executed as per PWD/IPH specifications.
- 2 Nothing shall be paid for rejected work/material.
- 3 Security, sale tax & Income tax shall be deducted from the bill as per prevalent rules.
- 4 1% cess on account of building and other construction workers as per Act-1996.
- 5 The final payment shall be released after completion of work and to the entire satisfaction of Engineer-in-Charge.

**Executive Engineer,
 IPH Division, Dehra.**

Job-III**SCHEDULE OF QUANTITY**

Name of work:- Improvement of distribution system Kasba Kotla in tehsil Jaswan and Dehra Distt. Kangra (HP)
 (Sub-Head:- C/O RCC sector tank of 50000 Ltrs. Capacity in Vill. Chowki Di Bar)

Estimated cost:-Rs. 503487/-
 Earnest money:-Rs. 10070/-
 Time limit:- Three months.

Sr.	Description of Items	Qty.	Rate in Rs.	Unit	Amount
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No.			Figures/ Words			
1	Excavation in foundation, trenches etc. in earth work in all kinds of soil lift upto all height, stacking the excavated soil not more then 3 mtrs. clear from the edge of excavation & then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc.	46.86 Cum			Per cubic meter.	
2	Providing and laying cement concrete 1:3:6(One cement :three sand : six graded stone aggregate 40mm nominal size and curing complete excluding the cost of centering & shuttering in foundation and plinth within all leads and lifts.	5.47 Cum			Per cubic meter.	
3	Providing and laying cement concrete 1:1.5:3 (One cement:one & half sand:three graded stone aggregate 20mm nominal size) and curing complete excluding the cost of form work and					
a)	Foundation, footing bases of columns and the like and mass concrete within all leads and lifts .	6.29 Cum			Per cubic meter.	
b)	Wall (any thickness but not less than 0.10 mtrs.thickness) attached pillasters, buttresses plinth & string courses etc. from top of foundation level upto floor two level within all leads and lifts.	18.05 Cum			Per cubic meter.	
c)	Suspended floor, roofs, landing & shelves & their support balconies, beams, girder, bressumers & cantilever upto floor level.	2.250 Cum			Per cubic meter.	
d)	Arches upto floor two level.	3.360 Cum			Per cubic meter.	
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 battons and ballies, height of propping and centring below supporting floor to					
b)	Vertical surface such as walls (any thickness) partitions and the like including attached pillasters,buttresses, plinth and string courses and the like within all leads and lifts.	117.62 Sqm			Per square meter.	

Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
5	Providing form work of ordinary timber plankings, 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 4 meters and removal of the same for in-					
a)	Arches upto 6.00 mtr. Span.	22.42 Sqm			Per square	
6	Providing in RCC work smooth finishing of the exposed surface with cement motor 1:3(One cement:Three sand) within all leads and lifts.	117.62 Sqm			Per square meter.	
7	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level within all leads and lifts .	3076.49 Kgs.			Per Kgs.	
8	Steel work welded in built up sections, trusses & framed work including cutting, hoisting and fixing in position and applying a priming coat of red paint:- In grating, framed, guards bars, ladders,railing, brackets & similar works within all leads and lifts.	102.24 Kgs.			Per Kg.	
9	Laying in trenches GMS pipe (L/M class) tube fitting (earth work in trenches to be measured and paid for separately) complete within all leads and lifts .					
	i) 80mm dia	18.00 Rmt.			Per Rmt	
10	Providing & fixing of Kirloskar/Leader make Cast Iron sluice valve following dia Class-PN-1.0 with M.S.flange table-5 conforming to IS:780-1984 latest with uptodate ammendments having seat pressure 10.20Kg./cm ² including nut, bolts and gasket sheet within all leads and lifts.					
	i) 80mm dia	3.00 Nos.			Per Rmt	
11	Constructing chamber for sluice valve, with C.I.surface box 100mm top dia,160mm bottom dia & 180mm deep(inside) with chained lid RCC top 1:2:4 mix (One cement : Two sand :Four graded stone aggregate 20mm nominal size)100mm thick foundation concrete 1:5:10 (One cement :	2.00 Nos.			Each	

Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
12	Providing and fixing of precast concrete SFRC manhole cover with internal frame & cover system conforming to IS specifications code-12592-Part-I & II with latest amendments having size of 560mm internal dia within all leads and lifts.	2.00 Nos.			Each	
13	Finishing wall with water proofing cement paint of approved brand & manufacture and of required shade on undecorated wall surface (two coats) to give an even shade after throughly brushing the surface to remove all dirt and remains of loose powdered material within all leads	117.62 Sqm			Per square meter.	

Total:-

TERMS & CONDITIONS.

- 1 The work shall be executed as per PWD/IPH specifications.
- 2 Security, sale tax & Income tax shall be deducted from the bill as per prevalent rules.
- 3 Nothing shall be paid for rejected work/material.
- 4 The cement and steel shall be issued by the Department @ Rs.267/- per bag and Steel @ Rs.5046/ per quintal from Divisional Store Dehra.
- 5 The G.I.pipe will be issued free of cost from Divisional Store Dehra.

- 6 1% cess on account of building and other construction workers as per Act-1996.
- 7 The final payment made to the contractor after completion of work and to the entire satisfaction of Engineer-in-Charge.

**Executive Engineer,
IPH Division, Dehra.**

Job-IV**SCHEDULE OF QUANTITY**

Name of work:- Providing water facility to Vill. Bhageen and Diyara by C/o T/Well 8" bore Mini T/Well from WSS Lower Sunhet in tehsil Dehra Distt. Kangra (HP)
 (Sub-Head:- C/O RCC O.H.S.R.20000 litres capacity with 10.00 mtrs. staging height at Vill. Bhageen)

Estimated cost:-Rs. 637000/-

Earnest money:-Rs. 12740/-

Time limit:- Three months.

Sr No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
1	Construction of reinforcement cement concrete circular over head water storage reservoir 20000 Ltr capacity with 10.00 Mtr staging height including barbed wire fencing site development, supply of design and structural drawing subject to approval of the same from the	20000 Ltrs.			Per Ltr	

Total:-**TERMS AND CONDITIONS.**

- 1 Security, sale tax & Income tax will be deducted from each running bill as per prevalent rules.
- 2 All the necessary documents such as Income tax clearance certificate, renewal of registration and sale tax Numbers should be readily available with the contractor at the time of purchasing of the tender document.
- 3 Two sets of structural drawing and design calculations on the bases of appropriate seismic forces for the area shall be supplied by the firm within three weeks after issue of the letter of intent for checking and approval by the competent authority.
- 4 After checking of the detailed structural drawings by the competent authority, the firm have to supply four sets of the fair drawings duly incorporated the correction for approval of the competent authority.
- 5 The size of the manhole cover will be as per IS specification.
- 6 Testing for water tightness stability of the Over head tank will be the contractors responsibility.
- 7 The water will be arranged by the contractor for the construction of the work and filling of the tank at his risk and cost.
- 8 All equipments such as machineries and T&P will be arranged by the contractor/firm.
- 9 The design of the job shall be supplied by the contractor/firm and it will be according to relevant IS specification/code.
- 10 The cement will be issued by the Department @ Rs.267/- per bag and tor steel @ Rs.5046/- per quintal from Divisional Store Dehra against proper indent.
- 11 G.I.pipe for inlet, outlet, scour and over flow and railing pipe will be issued by the department free of cost from Divisional store Dehra against proper indent.
- 12 Crushed /screened aggregate will be used for RCC work.
- 13 The rates shall be written both in words and figures.
- 14 The contractor should have completed at least three Nos. of similar type of job.
- 15 The final payment will be released after sucessful testing of the tank.
- 16 SBC test will be carried out by firm at its own cost.
- 17 1% cess on account of building and other construction workers as per Act-1996.
- 18 The tank should be completed in all respect including making connection testing, laying and jointing G.I.pipe of required dia as per site from existing pipe net work. Other wise 1% amount shall be withheld.

**Executive Engineer,
IPH Division, Dehra.**

Job-V

Name of work:- Providing water facility to Vill. Bhageen and Diyara by C/o T/Well 8" bore Mini T/Well from WSS Lower Sunhet in tehsil Dehra Distt. Kangra (HP)
(Sub-Head:- C/O RCC O.H.S.R.35000litres capacity with 10.00 mtrs. staging height at Vill. Diyara)

SCHEDULE OF QUANTITY

Estimated cost:-Rs. 674800/-

Earnest money:-Rs. 13500/-

Time limit:- Three months.

Sr No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
1	Construction of reinforcement cement concrete circular over head water storage reservoir 35000 Ltr capacity with 10.00 Mtr staging height including barbed wire fencing site development, supply of design and structural drawing subject to approval of the same from the	35000 Ltrs.			Per Ltr	

Total:-**TERMS AND CONDITIONS.**

- 1 Security, sale tax & Income tax will be deducted from each running bill as per prevalent rules.
- 2 All the necessary documents such as Income tax clearance certificate, renewal of registration and sale tax Numbers should be readily available with the contractor at the time of purchasing of the tender document.
- 3 Two sets of structural drawing and design calculations on the bases of appropriate seismic forces for the area shall be supplied by the firm within three weeks after issue of the letter of intent for checking and approval by the competent authority.
- 4 After checking of the detailed structural drawings by the competent authority, the firm have to supply four sets of the fair drawings duly incorporated the correction for approval of the competent authority.
- 5 The size of the manhole cover will be as per IS specification.
- 6 Testing for water tightness stability of the Over head tank will be the contractors responsibility.
- 7 The water will be arranged by the contractor for the construction of the work and filling of the tank at his risk and cost.
- 8 All equipments such as machineries and T&P will be arranged by the contractor/firm.
- 9 The design of the job shall be supplied by the contractor/firm and it will be according to relevant IS specification/code.
- 10 The cement will be issued by the Department @ Rs.267/- per bag and tor steel @ Rs.5046/- per quintal from Divisional Store Dehra against proper indent.
- 11 G.I.pipe for inlet, outlet, scour and over flow and railing pipe will be issued by the department free of cost from Divisional store Dehra against proper indent.
- 12 Crushed /screened aggregate will be used for RCC work.
- 13 The rates shall be written both in words and figures.
- 14 The contractor should have completed at least three Nos. of similar type of job.
- 15 The final payment will be released after sucessful testing of the tank.
- 16 SBC test will be carried out by firm at its own cost.
- 17 1% cess on account of building and other construction workers as per Act-1996.
- 18 The tank should be completed in all respect including making connection testing, laying and jointing G.I.pipe of required dia as per site from existing pipe net work. Other wise 1% amount shall be withheld.

**Executive Engineer,
IPH Division, Dehra.**

Job-VI**SCHEDULE OF QUANTITY**

Estimated cost:-Rs. 129704/-

Earnest money:-Rs. 2595/-

Time limit:- Three months.

Name of work:- Improvement of water supply system to SC Village Sadwan Plat Maniala, Kathiara under
LWSS Sadwan Maniala in tehsil Rakkar Distt. Kangra (HP)

(Sub-Head:- C/O RCC collection tank 20000 Ltrs Capacity Near baba Balak Mandir Upper kaloha)

Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
1	Excavation in foundation, trenches etc. in earth work in all kinds of soil lift upto all height, stacking the excavated soil not more then 3 mtrs. clear from the edge of excavation & then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc.	21.78 Cum			Per cubic meter.	
2	Providing and laying cement concrete 1:3:6(One cement :three sand : six graded stone aggregate 40mm nominal size and curing complete excluding the cost of centering & shuttering in foundation and plinth within all leads and lifts.	1.26 Cum			Per cubic meter.	
3	Providing and laying cement concrete 1:1.5:3 (One cement:one & half sand:three graded stone aggregate 20mm nominal size) and curing complete excluding the cost of form work and					
a)	Foundation, footing bases of columns and the like and mass concrete within all leads and lifts .	2.51 Cum			Per cubic meter.	
b)	Wall (any thickness but not less than 0.10 mtrs.thickness) attached pillasters, buttresses plinth & string courses etc. from top of foundation level upto floor two level within all leads and lifts.	5.98 Cum			Per cubic meter.	

c)	Suspended floor, roofs, landing & shelves & their support balconies, beams, girder, bressumers & cantilever upto floor level.	1.08 Cum			Per cubic meter.	
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 battons and ballies, height of propping and centring below supporting floor to					
a)	Flat surfaces such as soffits of suspended floor, roofs, landings and the like floor etc. upto 200mm thickness within all leads and lifts.	7.65 Sqm			Per square meter.	
b)	Vertical surface such as walls (any thickness) partitions and the like including attached pillasters, buttresses, plinth and string courses and the like within all leads and lifts.	59.82 Sqm			Per square meter.	
5	Providing in RCC work smooth finishing of the exposed surface with cement motor 1:3(One cement:Three sand) within all leads and lifts.	59.82 Sqm			Per square meter.	

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Sr. No.	Description of Items	Qty.	Rate in Rs.		Unit	Amount
			Figures/	Words		
6	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level within all leads and lifts .	521.78 Kgs.			Per Kgs.	
7	Steel work welded in built up sections, trusses & framed work including cutting, hoisting and fixing in position and applying a priming coat of red paint:- In grating, framed, guards bars, ladders,railing, brackets & similar works within all leads and lifts.	49.47 Kgs.			Per Kg.	
8	Laying in trenches GMS pipe (L/M class) tube fitting of following dia (earth work in trenches to be measured and paid for separately) complete within all leads and lifts .					
	i) 80mm dia	21.00 Rmt.			Per Rmt	
9	Providing & fixing of Kirloskar/Leader make Cast Iron sluice valve of following dia Class-PN-1.0 with M.S.flange table-5 conforming to IS:780-1984 latest with uptodate ammendments having seat pressure 10.20Kg./cm ² including nut, bolts and gasket sheet within all leads and lifts.					
	i) 80mm dia	3.00 Nos.			Each	
10	Constructing chamber for sluice valve, with C.I.surface box 100mm top dia,160mm bottom dia & 180mm deep(inside) with chained lid RCC top 1:2:4 mix (One cement : Two sand :Four graded stone aggregate 20mm nominal size)100mm thick foundation concrete 1:5:10 (One cement :	2.00 Nos.			Each	
11	Providing and fixing of precast concrete SFRC manhole cover with internal frame & cover system conforming to IS specifications code-12592-Part-I & II with latest ammendments having size of 560mm internal dia within all leads and lifts.	1.00 Nos.			Each	

Total:-

TERMS & CONDITIONS.

- 1 The work shall be executed as per PWD/IPH specifications.
- 2 Security, sale tax & Income tax shall be deducted from the bill as per prevalent rules.
- 3 Nothing shall be paid for rejected work/material.
- 4 The cement and steel shall be issued by the Department @ Rs.267/- per bag and Steel @ Rs.5046/ per quintal from Divisional Store Dehra.
- 5 The G.I.pipe will be issued free of cost from Divisional Store Dehra.
- 6 1% cess on account of building and other construction workers as per Act-1996.
- 7 The final payment made to the contractor after completion of work and to the entire satisfaction of Engineer-in-Charge.

**Executive Engineer,
IPH Division, Dehra.**