

SCHEDULE OF QUANTITY

Name of Work:- Remodelling of LWSS Bir Kathyana in G.P. Bir Tehsil Sadar Distt. Mandi (H.P.)						Estimated Cost:- Rs. 1,38,395/-Only	
Sub-Head:- C/O RCC Circular storage Tank 25000 Lit. Capacity at Village Sadoh)						Earnest Money:- Rs. 2800/- Only	
						Time Limit:- Three Months	
Sr. No.	Description of items	Quantity		Rates		Unit	Amount
				In Figures	In Words		
1	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft / hard rock, chiselling soft / hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads / lifts and shoring strutting, timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	25.12	Cum			Per Cubic Meter	
2	Providing and laying cement concrete 1 : 3 : 6(1 Cement : 3 Sand : 6 crushed stone aggregate 20 mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	3.66	Cum			Per Cubic Meter	
3	Providing and laying cement concrete 1 :1½ : 3 (1Cement :1½ Sand : 3 crushed stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-						
i)	In foundation and plinth in all leads and lifts.	2.50	Cum			Per Cubic Meter	
ii)	Walls (any thickness but not less than 0.1 m thickness) attached pillasters, buttresses, plinth and string courses, etc. from top of foundation level upto floor two level in all leads and lifts	5.13	Cum			Per Cubic Meter	
4	Providing and laying cement concrete 1 : 2 : 4 (1 Cement : 2 Sand : 4 crushed stone aggregate 20 mm nominal size)and curing complete excluding the cost of form work and reinforcement in :-						
i)	Suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level in all leads and lifts.	1.79	Cum			Per Cubic Meter	
5	Providing form work with steel plates 3.15 mm thick welded with angle iron in frames 30 x 30 x 5 mm, 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 4 mtrs. and removal of the same for in situ reinforced concrete and plain concrete work in:-						
i)	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillaster,buttresses, plinth and string courses and the like in all leads and lifts.	68.34	Sqm			Per Square Metre.	
ii)	Flat surfaces such as soffits of suspended floors, roofs landings and the like: floors etc. up to 200 mm in thickness in all leads and lifts.	15.90	Sqm			Per Square Metre.	

6	Providing for steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level in all leads and lifts.	847.80	Kg			Per Kilogram	
7	Providing and fixing Steel / fibre reinforcement concrete (SFRC) manhole cover and frame conforming to IS-12593 (Part-I)1988 and IS 12592-1991 Part-II with latest amendments 560mm dia (Medium duty) in all leads and lifts.	1.00	No.			Each	
8	Providing and fixing of MS Fabricated Protection Panel having size 750 mm x 750 mm made with MS Angle 40 x 40 x 4 mm for frame, MS Angle 30 x 30 x 3 mm for cover, MS Flat 25 x 5 mm for fixing of sliding door bolt and MS Sheet 3.15mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS angle, MS Flat & MS Sheet, embedding in RCC Slab by drilling holes in MS angle & in RCC slab, provision for providing and fixing sliding door bolt 300 x 16 mm, MS Handle 100 mm, Lock and applying a coat of red oxide paint and painting two coat with steel paint (Firoza Blue) complete job in all leads and lifts and to the entire satisfaction of the Engineer - in - Charge.	1.00	No.			Each	
						Total:-	

Terms and Conditions :-

- 1 The work should be executed as per PWD / IPH specifications and to the entire satisfactions of the Engineer-in Charge.
- 2 Cement and steel will be issued to the contractor by the Deptt. from IPH Divisional store Raghunath Ka Padhar Mandi cement @ Rs. 254/- per bag ,Steel Rs. 5524/- per quintal respectively
- 3 The Contractor will be fully responsible for watch and ward of material at site of work.
- 4 Crushed aggregate shall be used in concrete work.
- 5 Concrete work shall be done by using vibrator and concrete mixing plant.
- 6 Nothing shall be paid for sub-standard material/rejected works.
- 7 1% labour cess will be deducted from the bill of the contractor.
- 8 GST as applicable will be borne by the contractor.

**Executive Engineer,
IPH Division, Mandi.**

SCHEDULE OF QUANTITY

Name of Work:- Remodelling and Improvement of G.I. Pipes and new Storage Tanks in G.P. Sai, Sadhyana. Sehli, Bari	Estimated Cost:- Rs. 1,53,127/-Only
Sub-Head:- C/O RCC Circular storage Tank 25000 Lit. Capacity at Village Galoo)	Earnest Money:- Rs. 3100/- Only
	Time Limit:- Three Months

Sr. No.	Description of items	Quantity		Rates		Unit	Amount
				In Figures	In Words		
1	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft / hard rock, chiselling soft / hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads / lifts and shoring strutting, timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	25.12	Cum			Per Cubic Meter	
2	Providing and laying cement concrete 1 : 3 : 6(1 Cement : 3 Sand : 6 crushed stone aggregate 20 mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	3.66	Cum			Per Cubic Meter	
3	Providing and laying cement concrete 1 :1½ : 3 (1Cement :1½ Sand : 3 crushed stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-						
i)	In foundation and plinth in all leads and lifts.	2.50	Cum			Per Cubic Meter	
ii)	Walls (any thickness but not less than 0.1 m thickness) attached pillasters, buttresses, plinth and string courses, etc. from top of foundation level upto floor two level in all leads and lifts	5.13	Cum			Per Cubic Meter	
4	Providing and laying cement concrete 1 : 2 : 4 (1 Cement : 2 Sand : 4 crushed stone aggregate 20 mm nominal size)and curing complete excluding the cost of form work and reinforcement in :-						
i)	Suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level in all leads and lifts.	1.79	Cum			Per Cubic Meter	
5	Providing form work with steel plates 3.15 mm thick welded with angle iron in frames 30 x 30 x 5 mm, 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 4 mtrs. and removal of the same for in situ reinforced concrete and plain concrete work in:-						
i)	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillaster,buttresses, plinth and string courses and the like in all leads and lifts.	68.34	Sqm			Per Square Metre.	
ii)	Flat surfaces such as soffits of suspended floors, roofs landings and the like: floors etc. up to 200 mm in thickness in all leads and lifts.	15.90	Sqm			Per Square Metre.	

6	Providing for steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level in all leads and lifts.	847.80	Kg			Per Kilogram	
7	Providing and fixing Steel / fibre reinforcement concrete (SFRC) manhole cover and frame conforming to IS-12593 (Part-I)1988 and IS 12592-1991 Part-II with latest amendments 560mm dia (Medium duty) in all leads and lifts.	1.00	No.			Each	
8	Providing and fixing of MS Fabricated Protection Panel having size 750 mm x 750 mm made with MS Angle 40 x 40 x 4 mm for frame, MS Angle 30 x 30 x 3 mm for cover, MS Flat 25 x 5 mm for fixing of sliding door bolt and MS Sheet 3.15mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS angle, MS Flat & MS Sheet, embedding in RCC Slab by drilling holes in MS angle & in RCC slab, provision for providing and fixing sliding door bolt 300 x 16 mm, MS Handle 100 mm, Lock and applying a coat of red oxide paint and painting two coat with steel paint (Firoza Blue) complete job in all respect in all leads and lifts and to the entire satisfaction of the Engineer - in - Charge.	1.00	No.			Each	
						Total:-	

Terms and Conditions :-

- 1 The work should be executed as per PWD / IPH specifications and to the entire satisfactions of the Engineer-in Charge.
- 2 Cement and steel will be issued to the contractor by the Deptt. from IPH Divisional store Raghunath Ka Padhar Mandi cement @ Rs. 254/- per bag ,Steel Rs. 5524/- per quintal respectively
- 3 The Contractor will be fully responsible for watch and ward of material at site of work.
- 4 Crushed aggregate shall be used in concrete work.
- 5 Concrete work shall be done by using vibrator and concrete mixing plant.
- 6 Nothing shall be paid for sub-standard material/rejected works.
- 7 1% labour cess will be deducted from the bill of the contractor.
- 8 GST as applicable will be borne by the contractor.

**Executive Engineer,
IPH Division, Mandi.**

SCHEDULE OF QUANTITY

Name of Work:- Restoration of Rain Damages to WSS Baggi in G.P. Baggi Tehsil Sadar Distt. Mandi (H.P.)		Estimated Cost:- Rs. 1,99,776/-Only
Sub-Head:- C/O RCC Circular storage Tank 20000 Lit. Capacity at Village Baggi and laying, Jointing & Testing of G.I. Pipe 25 mm dia = 300 Rmt, 20 mm dia = 150 Rmt & 15 mm dia = 200 Rmt))		Earnest Money:- Rs. 4000/- Only
		Time Limit:- Three Months

Sr. No.	Description of items	Quantity		Rates		Unit	Amount
				In Figures	In Words		
1	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft / hard rock, chiselling soft / hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads / lifts and shoring strutting, timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	222.46	Cum			Per Cubic Meter	
2	Providing and laying cement concrete 1 : 3 : 6(1 Cement : 3 Sand : 6 crushed stone aggregate 20 mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	3.11	Cum			Per Cubic Meter	
3	Providing and laying cement concrete 1 : 1½ : 3 (1Cement : 1½ Sand : 3 crushed stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-						
i)	In foundation and plinth in all leads and lifts.	2.14	Cum			Per Cubic Meter	
ii)	Walls (any thickness but not less than 0.1 m thickness) attached pillasters, buttresses, plinth and string courses, etc. from top of foundation level upto floor two level in all leads and lifts	4.81	Cum			Per Cubic Meter	
4	Providing and laying cement concrete 1 : 2 : 4 (1 Cement : 2 Sand : 4 crushed stone aggregate 20 mm nominal size)and curing complete excluding the cost of form work and reinforcement in :-						
i)	Suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level in all leads and lifts.	1.53	Cum			Per Cubic Meter	
5	Providing form work with steel plates 3.15 mm thick welded with angle iron in frames 30 x 30 x 5 mm, 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 4 mtrs. and removal of the same for in situ reinforced concrete and plain concrete work in:-						
i)	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillaster,buttresses, plinth and string courses and the like in all leads and lifts.	64.09	Sqm			Per Square Metre.	
ii)	Flat surfaces such as soffits of suspended floors, roofs landings and the like: floors etc. up to 200 mm in thickness in all leads and lifts.	13.52	Sqm			Per Square Metre.	

6	Providing for steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level in all leads and lifts.	763.20	Kg			Per Kilogram	
7	Providing and fixing Steel / fibre reinforcement concrete (SFRC) manhole cover and frame conforming to IS-12593 (Part-I)1988 and IS 12592-1991 Part-II with latest amendments 560mm dia (Medium duty) in all leads and lifts.	1.00	No.			Each	
8	Providing and fixing of MS Fabricated Protection Panel having size 750 mm x 750 mm made with MS Angle 40 x 40 x 4 mm for frame, MS Angle 30 x 30 x 3 mm for cover, MS Flat 25 x 5 mm for fixing of sliding door bolt and MS Sheet 3.15mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS angle, MS Flat & MS Sheet, embedding in RCC Slab by drilling holes in MS angle & in RCC slab, provision for providing and fixing sliding door bolt 300 x 16 mm, MS Handle 100 mm, Lock and applying a coat of red oxide paint and painting two coat with steel paint (Firoza Blue) complete job in all respect in all leads and lifts and to the entire satisfaction of the Engineer - in - Charge.	1.00	No.			Each	
9	Laying, jointing and testing in trenches galvanised mild steel tubes (light grade) tube fittings such as bends, tees, air valves, unions and collars etc.as per direction and to the entire satisfaction of the Engineer-in-Charge (Earth work in trenches to be measured and paid for separately).						
	i) 15 mm dia	200.00	Rmt			Per Running Metre	
	ii) 20 mm dia	150.00	Rmt			Per Running Metre	
	iii) 25 mm dia	300.00	Rmt			Per Running Metre	
						Total:-	

Terms and Conditions :-

- 1 The work should be executed as per PWD / IPH specifications and to the entire satisfactions of the Engineer-in Charge.
- 2 Cement, steel and G.I. pipe will be issued to the contractor by the Deptt. from IPH Divisional store Raghunath Ka Padhar Mandi cement @ Rs. 254/- per bag ,Steel Rs. 5524/- per quintal and G.I. Pipe free of cost respectively
- 3 The Contractor will be fully responsible for watch and ward of material at site of work.
- 4 Crushed aggregate shall be used in concrete work.
- 5 Concrete work shall be done by using vibrator and concrete mixing plant.
- 6 All G.I. fittings including required degree bends will be provided by the contractor at his own cost.
- 7 Nothing shall be paid for sub-standard material/rejected works.
- 8 1% labour cess will be deducted from the bill of the contractor.
- 9 GST as applicable will be borne by the contractor.

**Executive Engineer,
IPH Division, Mandi.**

SCHEDULE OF QUANTITY								
Name of Work:- Providing Water Supply Scheme to NC / PC habitation Roda Nallah Satahan in G.P. Lagdhar Tehsil Sadar						Estimated	1,01,974	/- Only
(SH :- Laying, Jointing and Testing of G.I. Pipe 50 mm dia = 800 Rmt and 25 mm dia = 250 Rmt , Total length = 1050 Rmt for Improvement of WSS Sain Chopra in G.P. Upperli Sarwari)						Earnest Money :- Rs	2100	/- Only
						Time :-	Three	Months
Sr. No.	Description of Items	Quantity		Rate		Unit	Amount	
				In Figures	In Words			
1	Excavation in foundation and trenches etc. (for pipes and pits) upto all depths in all kinds of soil such as pick work, jumper work, blasting and chiselling soft / hard rocks where blasting is prohibited in all leads and lifts including jumper work, blasting and chiselling soft / hard rocks where blasting is prohibited in all leads and lifts including trimming and dressing of sides, levelling of bed to correct excavation and then returning the stacked soil after laying, jointing and testing of G.I. Pipes in trenches in 15cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads and lifts and shoring strutting,timbering and dewatering where ever required including restoration of unmetalled / metalled paved surface of its original conditions including cost of diversion for traffic night signals fixing caution boards and fencing etc. complete in all respects as per the direction of the Engineer-in-Charge.	259.88	Cum			Per Cubic Metre		
2	Laying, jointing and testing in trenches galvanised mild steel tubes (light grade) tube fittings such as bends, tees, air valves, unions and collars etc.as per direction and to the entire satisfaction of the Engineer-in-Charge (Earth work in trenches to be measured and paid for separately).							
	i) 50 mm dia	800	Rmt			Per Running Metre		
	ii) 25 mm dia	250	Rmt			Per Running Metre		
						Total:-		

TERMS AND CONDITIONS :-

- 1 The work shall be executed as per HPPWD / IPH specifications.
- 2 The contractor shall be fully responsible for watch and ward of materials at the site of work and in case of any theft or loss the recovery shall be made at the double
- 3 The GI pipe will be issued to the contractor free of cost from IPH Divisional store Raghunath Ka Padhar on proper indents.
- 4 All G.I. fittings including required degree bends will be provided by the contractor at his own cost.
- 5 The work shall be completed with in stipulated period.
- 6 The rates are inclusive of carriage of all materials to the site of work in all leads and lifts.
- 7 1% labour cess will be deducted from the bill of contractor.
- 8 GST as applicable will be borne by the contractor.

Executive Engineer,
IPH Division, Mandi.

SCHEDULE OF QUANTITY

Name of Work:- Providing Water Supply Scheme to NC / PC habitation Roda Nallah Satahan in G.P. Lagdhar Tehsil Sadar Distt. Mandi (H.P.)	Estimated Cost:- Rs. 2,70,214/-Only
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Sub-Head:- C/O Intake Chamber at Source Jugli, Dismantling of existing Storage Tank 3500 Lit. Cap. and C/O RCC Circular storage Tank 50000 Lit. Capacity at Village Badduin for Improvement of WSS Sain Chopra in G.P. Upperli Sarwari)	Earnest Money:- Rs. 5500/- Only
	Time Limit:- Three Months

Sr. No.	Description of items	Quantity		Rates		Unit	Amount
				In Figures	In Words		
1	Demolition of stone masonry upto G.L. including stacking of serviceable materials and disposal of unserviceable materials with in all leads and lifts dressed stone in cement motor.	5.52	Cum			Per Cubic Meter	
2	Demolition below G.L. level including disposal of unserviceable material with in all leads and lifts including cutting the necessary reinforcement separating out RCC work.	1.83	Cum			Per Cubic Meter	
3	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft / hard rock, chiselling soft / hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads / lifts and shoring strutting, timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	76.31	Cum			Per Cubic Meter	
4	Providing and laying cement concrete 1 : 3 : 6(1 Cement : 3 Sand : 6 crushed stone aggregate 20 mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	0.60	Cum			Per Cubic Meter	
5	Providing and laying cement concrete 1 : 4 : 8 (1 Cement : 4 Sand : 8 crushed stone aggregate 20 mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	3.77	Cum			Per Cubic Meter	
6	Squarred rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1 : 4 (1 Cement : 4 Sand) in all leads and lifts.	1.56	Cum			Per Cubic Metre	
7	Providing and laying cement concrete 1 : 1½ : 3 (1Cement : 1½ Sand : 3 crushed stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-						
i)	In foundation and plinth in all leads and lifts.	2.85	Cum			Per Cubic Meter	
ii)	Walls (any thickness but not less than 0.1 m thickness) attached pillasters, buttresses, plinth and string courses, etc. from top of foundation level upto floor two level in all leads and lifts	8.12	Cum			Per Cubic Meter	

8	Providing and laying cement concrete 1 : 2 : 4 (1 Cement : 2 Sand : 4 crushed stone aggregate 20 mm nominal size)and curing complete excluding the cost of form work and reinforcement in :-						
i)	Suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level in all leads and lifts.	1.93	Cum				Per Cubic Meter
9	Cement concrete flooring 1:2:4(1 cement:2 sand:4 graded stone agg.20mm nominal size)laid in one layer finished with a floating coat of neat cement 40mm thick in all leads and lifts.	0.81	Sqm				Per Square Metre
10	15mm thick cement plaster in single coat on rough side of brick/concrete/stone walls for interior plastering upto floor two level including arrises internal rounded angles chamfers and or rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1 : 3(1Cement : 3 Sand) in all leads and lifts.	5.04	Sqm.				Per Square Metre
11	Providing form work with steel plates 3.15 mm thick welded with angle iron in frames 30 x 30 x 5 mm, 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 4 mtrs. and removal of the same for in situ reinforced concrete and plain concrete work in:-						
i)	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillaster,buttresses, plinth and string courses and the like in all leads and lifts.	71.15	Sqm				Per Square Metre.
ii)	Flat surfaces such as soffits of suspended floors, roofs landings and the like: floors etc. up to 200 mm in thickness in all leads and lifts.	15.28	Sqm				Per Square Metre.
iii)	Edges of slabs & breaks in floors and walls under 20 cm wide with in all leads and lifts.	14.46	Rmt.				Per running Metre
12	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level in all leads and lifts.	1392.60	Kg				Per Kilogram
13	Fixing of GI pipe 32 mm dia for inlet,outlet and scour pipe in all leads and lifts.	12.00	Rmt.				Per Running Metre
i)	Fixing of GI pipe 50 mm dia for inlet,outlet and scour pipe in all leads and lifts.	18.00	Rmt.				Per Running Metre
14	Providing and fixing cast iron rungs 200 mm wide chequered or ribbed non slip surface including fixing in manhole with 200x200x100mm cement concrete 1:3:6(1cement:3sand:6 graded stone aggregate 20mm nominal size) in all respect. In all leads and lifts.	10.00	Nos				Each

15	Providing and fixing of MS Fabricated Protection Panel having size 750 mm x 750 mm made with MS Angle 40 x 40 x 4 mm for frame, MS Angle 30 x 30 x 3 mm for cover, MS Flat 25 x 5 mm for fixing of sliding door bolt and MS Sheet 3.15mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS angle, MS Flat & MS Sheet, embedding in RCC Slab by drilling holes in MS angle & in RCC slab, provision for providing and fixing sliding door bolt 300 x 16 mm, MS Handle 100 mm, Lock and applying a coat of red oxide paint and painting two coat with steel paint (Firoza Blue) complete job in all respect in all leads and lifts and to the entire satisfaction of the Engineer - in - Charge.	1.00	No.			Each	
16	Providing and fixing cast iron spun soil waste and ventilating pipe lead caulked joint to be measured and paid for separately 100mm dia with C.I cowl 100 mm dia nominal size in all leads and lifts.	1.00	No			Each	
17	Providing and fixing brass full way wheel valve with wheel of following dia in all leads and lifts.						
i)	50 mm dia.	3.00	Nos			Each	
ii)	25 mm dia	2.00	No.			Each	
iii)	20 mm dia	2.00	Nos			Each	
						Total:-	

Terms and Conditions :-

- 1 The work should be executed as per PWD / IPH specifications and to the entire satisfactions of the Engineer-in Charge.
- 2 Cement, steel and G.I. pipe will be issued to the contractor by the Deptt. from IPH Divisional store Raghunath Ka Padhar Mandi cement @ Rs. 254/- per bag ,Steel Rs. 5524/- per quintal and G.I. Pipe free of cost respectively
- 3 The Contractor will be fully responsible for watch and ward of material at site of work.
- 4 Crushed aggregate shall be used in concrete work.
- 5 Concrete work shall be done by using vibrator and concrete mixing plant.
- 6 Nothing shall be paid for sub-standard material/rejected works.
- 7 1% labour cess will be deducted from the bill of the contractor.
- 8 GST as applicable will be borne by the contractor.

**Executive Engineer,
IPH Division, Mandi.**

SCHEDULE OF QUANTITY

Name of Work:- Providing WSS Kun Trehan in G.P. Kot Tehsil Sadar Distt. Mandi (H.P.)						Estimated Cost:- Rs. 2,02,816/-Only	
Sub-Head:- C/O Intake Chamber at Source Drubal, Dismantling of existing Storage Tank 3500 Lit. Cap. and C/O RCC Circular storage Tank 30000 Lit. Capacity at Village Kun)						Earnest Money:- Rs. 4100/- Only	
						Time Limit:- Three Months	
Sr. No.	Description of items	Quantity		Rates		Unit	Amount
				In Figures	In Words		
1	Demolition of stone masonry upto G.L. including stacking of serviceable materials and disposal of unserviceable materials with in all leads and lifts dressed stone in cement motor.	5.52	Cum			Per Cubic Meter	
2	Demolition below G.L. level including disposal of unserviceable material with in all leads and lifts including cutting the necessary reinforcement separating out RCC work.	1.83	Cum			Per Cubic Meter	
3	Excavation in foundation and trenches etc. in earth work in all kind of soil such as pick work, jumper work, saturated soil including bailing or pumping out water, blasting soft / hard rock, chiselling soft / hard rock where blasting is prohibited in all lifts including trimming and dressing of sides, levelling of bed, stacking the excavated soil clear from the edge of excavation and then returning the excavated soil in 15 cm. layers including consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated soil as directed in all leads / lifts and shoring strutting, timbering and dewatering where ever required as per the direction of the Engineer-in-Charge.	49.77	Cum			Per Cubic Meter	
4	Providing and laying cement concrete 1 : 3 : 6(1 Cement : 3 Sand : 6 crushed stone aggregate 20 mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	0.60	Cum			Per Cubic Meter	
5	Providing and laying cement concrete 1 : 4 : 8 (1 Cement : 4 Sand : 8 crushed stone aggregate 20 mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	3.04	Cum			Per Cubic Meter	
6	Squarred rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1 : 4 (1 Cement : 4 Sand) in all leads and lifts.	1.56	Cum			Per Cubic Metre	
7	Providing and laying cement concrete 1 :1½ : 3 (1Cement :1½ Sand : 3 crushed stone aggregate 20 mm nominal size) & curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-						
i)	In foundation and plinth in all leads and lifts.	2.30	Cum			Per Cubic Meter	
ii)	Walls (any thickness but not less than 0.1 m thickness) attached pillasters, buttresses, plinth and string courses, etc. from top of foundation level upto floor two level in all leads and lifts	5.94	Cum			Per Cubic Meter	
8	Providing and laying cement concrete 1 : 2 : 4 (1 Cement : 2 Sand : 4 crushed stone aggregate 20 mm nominal size)and curing complete excluding the cost of form work and reinforcement in :-						

i)	Suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level in all leads and lifts.	1.59	Cum			Per Cubic Meter	
9	Cement concrete flooring 1:2:4(1 cement:2 sand:4 graded stone agg.20mm nominal size)laid in one layer finished with a floating coat of neat cement 40mm thick in all leads and lifts.	0.81	Sqm			Per Square Metre	
10	15mm thick cement plaster in single coat on rough side of brick/concrete/stone walls for interior plastering upto floor two level including arrises internal rounded angles chamfers and or rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1 : 3(1Cement : 3 Sand) in all leads and lifts.	5.04	Sqm.			Per Square Metre	
11	Providing form work with steel plates 3.15 mm thick welded with angle iron in frames 30 x 30 x 5 mm, 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 4 mtrs. and removal of the same for in situ reinforced concrete and plain concrete work in:-						
i)	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillaster,buttresses, plinth and string courses and the like in all leads and lifts.	59.15	Sqm			Per Square Metre.	
ii)	Flat surfaces such as soffits of suspended floors, roofs landings and the like: floors etc. up to 200 mm in thickness in all leads and lifts.	12.10	Sqm			Per Square Metre.	
iii)	Edges of slabs & breaks in floors and walls under 20 cm wide with in all leads and lifts.	12.89	Rmt.			Per running Metre	
12	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level in all leads and lifts.	1057.60	Kg			Per Kilogram	
13	Fixing of GI pipe 32 mm dia for inlet,outlet and scour pipe in all leads and lifts.	30.00	Rmt.			Per Running Metre	
14	Providing and fixing cast iron rungs 200 mm wide chequered or ribbed non slip surface including fixing in manhole with 200x200x100mm cement concrete 1:3:6(1cement:3sand:6 graded stone aggregate 20mm nominal size) in all respect. In all leads and lifts.	10.00	Nos			Each	
15	Providing and fixing of MS Fabricated Protection Panel having size 750 mm x 750 mm made with MS Angle 40 x 40 x 4 mm for frame, MS Angle 30 x 30 x 3 mm for cover, MS Flat 25 x 5 mm for fixing of sliding door bolt and MS Sheet 3.15mm thick for protection of manhole covers of storage tanks including the cost of cutting and welding of MS angle, MS Flat & MS Sheet, embedding in RCC Slab by drilling holes in MS angle & in RCC slab, provision for providing and fixing sliding door bolt 300 x 16 mm, MS Handle 100 mm, Lock and applying a coat of red oxide paint and painting two coat with steel paint (Firoza Blue) complete job in all respect in all leads and lifts and to the entire satisfaction of the Engineer - in - Charge.	1.00	No.			Each	
16	Providing and fixing cast iron spun soil waste and ventilating pipe lead caulked joint to be measured and paid for separately 100mm dia with C.I cowl 100 mm dia nominal size in all leads and lifts.	1.00	No			Each	

17	Providing and fixing brass full way wheel valve with wheel of following dia in all leads and lifts.						
i)	32 mm dia.	3.00	Nos			Each	
ii)	25 mm dia	2.00	No.			Each	
iii)	20 mm dia	2.00	Nos			Each	
						Total:-	

Terms and Conditions :-

- 1 The work should be executed as per PWD / IPH specifications and to the entire satisfactions of the Engineer-in Charge.
- 2 Cement, steel and G.I. pipe will be issued to the contractor by the Deptt. from IPH Divisional store Raghunath Ka Padhar Mandi cement @ Rs. 254/- per bag ,Steel Rs. 5524/- per quintal and G.I. Pipe free of cost respectively
- 3 The Contractor will be fully responsible for watch and ward of material at site of work.
- 4 All G.I. fittings including required degree bends will be provided by the contractor at his own cost.
- 5 Crushed aggregate shall be used in concrete work.
- 6 Concrete work shall be done by using vibrator and concrete mixing plant.
- 7 Nothing shall be paid for sub-standard material/rejected works.
- 8 1% labour cess will be deducted from the bill of the contractor.
- 9 GST as applicable will be borne by the contractor.

**Executive Engineer,
IPH Division, Mandi.**