

Schedule of Quntity

Name of work:- PLWSS to Group of village Tinda Sharan Bijohi Galoon Laida Tilroo & Chanoun in Tehsil Banjar Distt. Kullu HP (SH:- Laying, jointing and testing of GI pipe at point K-B) (Phase-III)			Estimated Cost		148800.00
			Earnest Money		2976.00
			Time		3 months
S.No.	Description of items.	Quantity	Rate	Unit	Amount
1	Excavation in foundation trenches etc in earth work in all kinds of soil containing spade work, blasting work, jumper work including decomposed soft and hard rock etc., with all heights and depths and stacking the excavated soil not more then 3 mtr. clear from the edge of the excavation and then returning the stacked soil in 15 cm layer when required into plinth sides of foundation etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth complete in all respects with in all leads and lifts and to the entire satisfaction of Engineer incharge.	660.00		Cum	0.00
2	Laying, Jointing and testing in tranches following dia meters of GMS pipes and fittings (Earth work to be measured and paid for seprately) including all leads , lifts and to the entire satisfaction of Engineer Incharge.				
	32mm	2000.00		Rmt.	0.00
				Total:-	

TERMS AND CONDITIONS:-

- 1 The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code & CPHEEO Manual to be satisfac
- 2 The rates of all items are inclusive of carriage of all material with in all leads and lifts to the site of work by all
- 3 Contractor will be responsible for watch and ward of material at site of work.
- 4 G.I. pipes will be issued free of cost from Divisional store Shamshi.
- 5 The laying of pipe will be governed as per CPHEEO manual departmental standing instrutions
- 6 The alignment of pipe line is subject to change as per site conditions . Most suitable and technically feasible
- 7 All the necessary equipment and plant required for laying of pipe line shall
- 8 1% Labour cess will be deducted on gross amount from each bill besides

Executive Engineer,
IPH Division No. II
Kullu at Bhunter.

Schedule of Quntity

Name of work:- PLWSS to Group of village Tinda Sharan Bijohi Galoon Laida Tilroo & Chanoun in Tehsil Banjar Distt. Kullu HP (SH:- Laying, jointing and testing of GI pipe at point K-N) (Phase-IV)			Estimated Cost		278920.00
			Earnest Money		5578.00
			Time		3 months
S.No.	Description of items.	Quantity	Rate	Unit	Amount
1	Excavation in foundation trenches etc in earth work in all kinds of soil containing spade work, blasting work, jumper work including decomposed soft and hard rock etc., with all heights and depths and stacking the excavated soil not more then 3 mtr. clear from the edge of the excavation and then returning the stacked soil in 15 cm layer when required into plinth sides of foundation etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth complete in all respects with in all leads and lifts and to the entire satisfaction of Engineer incharge.	1254.00		Cum	0.00
2	Laying, Jointing and testing in tranches following dia meters of GMS pipes and fittings (Earth work to be measured and paid for seprately) including all leads , lifts and to the entire satisfaction of Engineer Incharge.				
	32mm	3800.00		Rmt.	0.00
				Total:-	

TERMS AND CONDITIONS:-

- 1 The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code & CPHEEO Manual to be satisfar
- 2 The rates of all items are inclusive of carriage of all material with in all leads and lifts to the site of work by all
- 3 Contractor will be responsible for watch and ward of material at site of work.
- 4 G.I. pipes will be issued free of cost from Divisional store Shamshi.
- 5 The laying of pipe will be governed as per CPHEEO manual departmental standing instructions
- 6 The alignment of pipe line is subject to change as per site conditions . Most suitable and technically feasible
- 7 All the necessary equipment and plant required for laying of pipe line shall
- 8 1% Labour cess will be deducted on gross amount from each bill besides

Executive Engineer,
IPH Division No. II
Kullu at Bhunter.

Schedule of Quantity

Name of work:- PLWSS to Group of village Tinda Sharan Bijohi Galoon Laida Tilroo & Chanoun in Tehsil Banjar Distt. Kullu HP (SH:- Laying, jointing and testing of GI pipe at point K-M) (Phase-I)			Estimated Cost:-	229200	
			Earnest Money	4584	
			Time	3 months	
S.No.	Description of items.	Quantity	Rate	Unit	Amount
1	Excavation in foundation trenches etc in earth work in all kinds of soil containing spade work, blasting work, jumper work including decomposed soft and hard rock etc., with all heights and depths and stacking the excavated soil not more than 3 mtr. clear from the edge of the excavation and then returning the stacked soil in 15 cm layer when required into plinth sides of foundation etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth complete in all respects with in all leads and lifts and to the entire satisfaction of Engineer incharge.	0.00		Cum	
2	Laying, Jointing and testing in tranches following dia meters of GMS pipes and fittings (Earth work to be measured and paid for separately) including all leads , lifts and to the entire satisfaction of Engineer Incharge.				
	40mm	3000.00		Rmt.	
				Total:-	

TERMS AND CONDITIONS

- 1 The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code & CPHEEO Manual to be satisfar
- 2 The rates of all items are inclusive of carriage of all material with in all leads and lifts to the site
- 3 Contractor will be responsible for watch and ward of material at site of work.
- 4 G.I. pipes will be issued free of cost from Divisional store Shamshi.
- 5 The laying of pipe will be governed as per CPHEEO manual departmental standing instrutions
- 6 The alignment of pipe line is subject to change as per site conditions .
- 7 All the necessary equipment and plant required for laying of pipe line shall
- 8 1% Labour cess will be deducted on gross amount from each bill besides

Executive Engineer,
IPH Division No. II
Kullu at Bhunter.

Schedule of Quantity

Estimated Cost 128125

Name of work:- Restoration of rain damages to LIS Mohal in Tehsil Bhuntar

Earnest Money 2563

Distt. Kullu HP. (SH:- C/O Rwall & providing suction pipe etc.)

Time 1 Month

S.No.	Description of items.	Quantity	Rate	Unit	Amount
1	Excavation in foundation trenches etc. in earth work lift up to 1.5 mtrs. Stacking the excavated soil not more than 3 metres away from the edge of excavation and then returning the stacked soil in 15 cm layers when required in to plinth and sides of foundations, consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated earth as directed with in a lead of 20 metres in pick jumper work.	9.6		Cum	
2	Providing and laying cement concrete 1:6:12(1cement:6 sand: 12 graded stone aggregate 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinth.	4.7		Cum	
3	Random rubble masonry/ polygonal rubble masonry (uncoursed/ brought to courses) with hard of approved quality in foundation and plinth including levelling up with cement concrete 1:6:12 (1cement: 6sand: 12 graded stone aggregate 20mm nominal size) in R/Walls/ B/Walls in:-cement mortar 1:6 (1 cement : 6 sand) including all leads, lifts and carriage of materials at site and to the entire satisfaction of Engineer Incharge.	17.10		Cum	
4	Stone filling behind retaining wall at site and to the entire satisfaction of Engineer Incharge.	1.54		Cum	
5	Providing laying of suction pipe 100 mm dia at site and to the entire satisfaction of Engineer Incharge.	40.0		mtr	
6	Providing and fixing cast iron wheel valve 100 mm dia at site and to the entire satisfaction of Engineer Incharge.	2.0		Each	
7	Manufacturing ,supplying and fixing of GI nipple 100 mm dia 200 mm long within all leads and lifts to the entire satisfaction of the Engineer-in-charge.	2.0		Each	

TERMS AND CONDITIONS**Total:-**

- The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code & CPHEEO Manual to be satisfaction of the Engineer-in-charge.
- The rates of all should be inclusive of carriage of all material with in all leads and lifts to the site of work by all means of transport. The carriage of material issued from departmental store will be done by the contractor at his risk and cost.
- Contractor will be responsible for watch and ward of material at site of work.
- 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax, Surcharge on Income Tax and Sales Tax etc.
- GI pipe will be issued free of cost to the contractor from IPH store Shamsi
Cement will be issued to the contractor @ 316 per bag.

Executive Engineer
IPH Division kullu-II at Bhuntar

Schedule of Quantity

Name of work :- A/R & M/O various WSS in Shamshi Sub Division (SH:- Preparation of detailed project report for LWSS Bhedu Farm to GP Bhallan , Dev Garhgohi , Talara , rote and Bhallan -I in teshil Bhunter Distt Kullu H.P.)			Estimated Cost:-		200000
			Earnest Money		4000
			Time		3 months
S.No.	Description of items.	Quantity	Rate	Unit	Amount
1	Preparation of detailed project report and plain proposal for above mentioned work i/c estimated work i/c estimation calculation of hydraulic design of civil structure and fixing size of components design of gravity main pumping machinery deatailed calculation of components for civil work main gravity distribution system cost calucation on the basis of lates market rate after analysis and complilation of estimate including preparation of the line plan of scheme complete in all respect as per the direction of Engineer-in-Charge as per NABARD/JJM guide lines.	1.00		Cum	
				Total:-	

TERMS AND CONDITIONS

- 1 The work should be inclusive of all items contingent to work and nothing extra shall be paid except awarded rate.
- 2 All statutory deduction will be made from each will.
- 3 The plan proposal shall be submitted in 3 copies and DPR shall be submitted in 3 copies duly
- 4 G.I. pipes will be issued free of cost from Divisional store Shamshi.
- 5 All required data will be provided by the department

Executive Engineer,
IPH Division No. II
Kullu at Bhunter.

schedule of Quantity

Name of work :- C/O LIS Hat in Tehsil Bhuntar Distt. Kullu HP. (SH:- C/O wire crates ,sanitary fitting and roof covering of sump well)

Estimated 122276
Cost
Earnest 2446
money
Time:- 3 Months.

S.No.	Description of items.	Quantity	Unit	Rate	Amount.
1	Providing and placing (at all heights) polyethylene water storage tank ISI : 12701 marked indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes including all fittings and float valve excluding the base support for tank [Sintex, Electroplast, Star, Lotus or equivalent having valid ISI license]. 300 Ltrs. capacity	1	No.		
2	Providing and fixing vitreous china wash, down water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement: 1 sand). Seat and cover to be measured and paid for seperately. Anglo Indian Universal closet.	1	Each		
3	Providing and fixing plastic seat and cover for wash down water closet with C.P. brass hinges and rubber buffers: White plastic seat and cover, solid type.	1	Each		
4	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.10 litre capacity - White	1	Each		
5	Providing and fixing PVC / G.I. inlet connection for flush pipe connecting with W.C. pan.	1	Each		
6	Providing and fixing C.P. brass small body tap of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	2	Each		
7	Providing and fixing C.P. brass angle valve of standard design and of approved make, 15mm nominal bore.	1	Each		
8	Providing and fixing C.P. water jet including connection pipe with check nut complete in all respect	1	Each		
9	Providing and fixing PVC pipes of 10 Kg f/Sq.cm working pressure including fittings as per requirement at site complete in all respect in all leads and lifts and to the entire satisfaction of Engineer-in-charge i)110 mm OD	12	Rmt		
10	Steel work welded in built up sections,trusses and framed work,including cutting ,hoisting ,fixing in osition nd applying a priming coat of red lead paint. In beams joists channels ,angles , tee ,flats with connecting plates or angle cleats as in main and cross beams,hip and jack rafters,purlins connected to common rafters and the like.	218	Kg		
11	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with repainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accesories as required as per the direction of Engineer-in-charge.	11.31	Sqm		

12	Excavation in earth work and disposal of all excavated earth upto a lead of 20 mtrs. (twenty metres) and lift upto 1.50 mtrs. (one point fifty metres) disposing earth to be leveled and neatly dressed pick jumper work within all by the Engineer-in-charge. leads and lifts as directed	12.19	Cum		
13	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire (Wire crates to be measured and paid for separately) with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge. The weight of each boulder should not be less than 18 kgs.	203.13	Sqm		
14	Wire crates made of G.I. wire filled with boulders with square and cut faced against the wire (boulder fillingsto be measured and paid for separately)with in all leads ,lifts, carriage and to the entire satisfaction of engineer in charge. G.I. wire 5 mm thick corresponding to SWG-8 15cmx15cm mesh.	50.78	cum		
				Total:-	

TERMS & CONDITIONS:-

- 1 Work should be carried out as per PWD/ I&PH specification and to the entire
- 2 1% Labour cess will be deducted on gross amount from each bill besides other
- 4 Contractor himself responsible for watch and ward the material at site of work.
- 5 weight of boulder should not be less than 18 Kg.
- 6 Nothing shall be paid for rejected material/work.
- 7 Cement will be issued from Divisional store Shamshi @ Rs. 298 /- per bag for which

Executive Engineer
IPH Division Kullu-II at

DRAFT SCHEDULE OF QUANTITY

Name of work :- Providing LWSS to NC/PC habitaion of G.P. Kotla Gopalpur and thatibir in Tehsil Banjar Distt. Kullu H.P. (SH:- Drilling lowering of 1 No. Bore well 70 Mtr deep).			Estimated cost		495874.00
			Earnest money		9917.00
			Time Limit:-		Three month
S.No	Sub-Head and item of work	Qty.	Rate	Unit	Amount
1	Transporation of suitable truck/Tractor mounted where only road available , DTH and ODEX / percussion calyx /RC drilling with portable rigs alongwith necessary accessories etc to the site of work and erection of portable rig including levelling of site etc. complete in all respect as per direction of the Engineer-in-charge.	1 Nos.		Each	
2	Drilling bores of 200mm dia as per IS 2800-1979 using percussion/ calyx/ RC,ODEX /method required for drilling in collapsible strata conglomerate boulders,pebbles ,sand,graval,silt,clay etc including cost of atthments extractable casing consumable stores, bits water, POL gravel pack in annular space etc complete in all respects as per directions of Engineer-in-charge.	70 Mtrs.		Per Mtr.	
3	Supplying and lowering of IS marked 175 mm dia ERW plain end casing pipe as per IS 4270-2001 with upto date amendments in a length of 3 mtrs including cost of cuttings, welding , transporation charges complete in all respect. The pipe shall be slotted at suitable intervals as per the direction of the Engineer-in-charge.	70 Mtrs.		Per Mtr.	
4	Providing and fixing suitable casing shoe and bit tube as per requirement of ODEX attachment complete in all respect as per direction of the Engineer-in-charge.	1 Nos.		Each	
5	Collection and preservation of soil samples in polythene bags complete in all respect as per direction of the Engineer-in-charge.	1 Nos.		Each	
6	Development of bore well and yield testing with Air compressor through V-notch and disinfection etc. complete in all respect as per IS-2800-1979 and as per direction of the Engineer-in-charge.	1 Hour		Per hour	
Total:-					

SPECIFICATIONS:-

- 1 The verticality shall not vary in excess of the smallest diameter of the well per 30m length.
- 2 A record of the strata encountered ,depth of each bore well together with properly labelled samples of drilling cutting shall be
- 3 The anti-corrosive treatment painting as per IS-13056-1991 and IS 9301 and upto date amendments shall be

TERM AND CONDITIONS:-

- 4 The accessories, pipes, couplings etc shall be ISI marked.
- 5 The drilling shall commence with normal conventional set up and when problem area is encountered , the conventional set up shall
- 6 The height of the internal weld projection shall not exceed 0.5 mm on the outside welding should not rise more than
- 7 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax, Surcharge on

**Executive Engineer,
I&PH Division Kullu-II at Bhuntar**

Schedule of Quantity

Name of work:-LWSS to PC habitation Reri Mashgan & Dogadhar in Tehsil Bhunter Distt. Kullu H.P. (SH:- P/L & jointing of GI pipes and C/O storage tank of 20000ltrs cap.)		Estimated Cost	114930.00		
		Earnest Money	2299.00		
		Time	3 months		
S.No.	Description of items.	Quantity	Rate	Unit	Amount
1.00	Excavation in foundation trenches etc. in earth work lift up to 1.5 mtrs. Stacking the excavated soil not more than 3 metres away from the edge of excavation and then returning the stacked soil in 15 cm layers when required in to plinth and sides of foundations, consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated earth as directed with in a lead of 20 metres in pick jumper work.	140.63		Cum	
2.00	Providing and laying cement concrete 1:4:8 (1 cement : 4 sand :8 graded stone aggregate 40 mm nominal size) and curring complete excluding cost of form work in foundation and plinth in all height and depth with in all leads lifts and to the entire satisfaction of Engineer incharge.	2.72		Cum	
3.00	Providing and laying cement concrete 1:1 1/2:3 (1 cement :1 1/2 sand :3 graded stone aggregate 20 mm nominal size) and curring complete excluding cost of form work in foundation and plinth in all heights and depths with in all leads lifts and to the entire satisfaction of Engineer incharge.				
3.01	a) Foundation and plinth with in all heights and depths includiing all leads lifts and	2.15		Cum	
3.02	b) Wall (any thickness but not less then 0.1m thickness) attached pillaster buttersses plinth and string coursees etc from top of foundation level upto floor two level with in all leads lifts and to the entire satisfaction of Engineer incharge.	4.10		Cum	
4.00	Providing and laying cement concrete 1:2:4(1Cement :2 sand:4 graded crushed stone aggregate 40mm nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in all leads and lifts in :-				
4.01	(a)Suspended floors, roofs, landing, shelves and their supports balconies, lintels, beams girders bresmers and cantilevers upto all floor two level .	0.98		Cum	

5.00	Providing form work with steel plates 3.15 mm thick welded with angle iron in frame 30x30x5mm, So as to give a fair finish including centering , shuttering , strutting and propping etc with wooden batten and ballies, height of propping and centering below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for insitu-reinforcedconcrete and plain concrete workwork in, with in all leads, lifts and to the entire satisfaction of Enginner Incharge.				
5.01	a) Vertical surfaces such as walls (any thickness) partitions and the like including attached pillasters, buttresses, plinth and string sources and the like.	55.76		Sqm	
5.02	b) Flat surfaces such as soffits of suspended floors, roofs, landings and the like, floors etc., up to 200mm in thickness.	8.34		Sqm	
6.00	Providing and laying tor steel reinforcement for RCC work including bending binding and placeing in position complete upto floor two level with in all leads and lifts and to the entire satisfaction of Engineer Incharge including cost of binding wires.	505.00		Kg	
7.00	Providing and fixing man hole cover made with angle iron 40 x40x 3 mm thick(base frame) & 30x 30x 3 mm thick top frame covered with MS sheet 6 mm thick with locking arrangements to avoid the anti social activities (lock with a set of 3 keys). Which should be ambended in cement concrete 1:1.5:3 (1 cement 1.5 graded stone aggrigate10 mm : 3 Sand) (Weight of man hole cover should not be less than 34 Kg)	1.00		Each	
8.00	Laying , jointing and testing in trenches galvanised mild steel of following dia metre, including carriage of pipe and cost of fitting such as bends, tees, air valve, unions and collars etc, as per direction and to the entire satisfaction of Engineer in charge. (Earth work to be measured and paid for seperately)				
	32mm dia	350.00		Rmt.	
TERMS AND CONDITIONS:-				Total:-	

- 1 The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code &
- 2 The rates of all items should be inclusive of carriage of all material with in all leads
- 3 The cement shall be issued by the deptment @ Rs. 298/-per bag from IPH Store Shamshi.
- 4 Income Tax , Sale tax G.S.T. and labour welfare cess shall be deducted from the bill of the contractor as applicable.

Executive Engineer
IPH Division No.II at Bhunter

Schedule of Quantity

Name of work:- Operation and maintenance of water testing laboratory at sub division level Banjar in tehsil

Estimated Cost 487800
Earnest Money 9756
Earnest Money 12 Month

S.No	Description of item	Quantity	Rate	Unit	Amount
1	Operation, running and maintenance of water sample testing laboratory by providing skilled/unskilled operating staff and material such as chemicals, reagents, glass wares etc. as required for testing of samples in fully equipped laboratory including testing of water sample for Physical, Chemical & Bacteriological analysis on daily basis.	12		Month	

Terms and conditions

- 1 In order to give true picture of water tests, it is mentioned that contaminated water is
- 2 The contractor/firm shall have to employ qualified and well experienced Chemist and Assistant
- 3 The contractor/firm shall be responsible for proper handling of equipments.
- 4 The inventory of all the glass ware shall be managed by the contractor/firm.
- 5 The necessary chemicals and material required for the testing of samples shall be provided by the contractor/firm and shall keep its inventory of register of usages.
- 6 All the Vessels/Bottles shall be sterilized and mouth wrapped using for collection of water samples.
- 7 If the work of the contractor is found satisfactory the period of the agreement can be extended.
- 8 The names qualification details correspondence address, complete resume of the engaged
- 9 During working hours proper dress code shall be adhered in the laboratory. Also the persons shall attach the batch/identity card displaying the name and designation.
- 10 The firm shall be responsible for adherence of minimum wages and monthly payments, insurance, agreement, medical cover, accidental cover of employed staff as per prevailing Labour Act and latest instructions of the Government Department.
- 11 The water samples reaching the labs after 8 hours of its collection shall not be entertained. Department shall be at liberty to get the water samples cross checked/tested for verification in Government accredited laboratories in the state or out the state at contractors /firm cost
- 12 All water samples brought in the lab have to be tested and its report alongwith printout and photocopy of register shall be submitted to Divisional office through Assistant Engineer at firms own cost on daily basis on printed format as per annexure "B" and C parameter report respectively, failing which penalty @ Rs. 250.00 per test shall be levied

- 13 The firm shall hand over the laboratory, including all equipments in working order, glassware chemicals, reagent to the departments after expiry of the contract in good condition, in case the firm does not get renewed the contract after completion of the time.
- 14 Disposal of all the waste generated in the lab and washings of the glassware, breakage and discarded material will be done by the firm at their own cost at appropriate place marked in the area.
- 15 Firm will be responsible for all light switches fittings, fixtures and accessories in the lab building at their own cost.
- 16 Firm will also be responsible for up keeping the maintenance of the laboratory building like painting, white washing etc at its own cost as per PWD/IPH specifications and norms laid.
- 17 The firm should inspect the equipments available in the laboratory and same shall be handed over to the firm on as is where is basis in working conditions.
- 18 Any damages or breakage of equipments shall be charged at capital cost from the firm or he shall replace it with similar specifications.
- 19 The firm/contractor shall be responsible for watch and ward and proper working of equipments and in case theft/breakage or any other damages, the same shall be replaced/ repaired of same make by him free of cost(without any charges)
- 20 The necessary chemicals and material required for the testing of samples shall be provided by the contractor/ firm and shall keep its inventory of register of usages.
- 21 The firm/contractor shall keep register /record/computerized record of all tested samples and submit its report to the Assistant Engineer IPH Sub Division Banjar every fortnight and also make on line entries of the tests conducted as directed by the Engineer-in-Charges.
- 22 The firm shall bring to the notice of Engineer-in-charge the details of failed samples daily.
- 23 Any additional glass wares required for tests shall be procured by the firm at its own cost.
- 24 The water sample bottles for the collection of samples shall be procured by the department and these shall be duly sterilized by the contractor/firm for the collection of samples.
- 25 All samples shall be tested as per CPHEEO manual/BIS codes/as per direction of Engineer-in-charge.
- 26 The Electric charges shall be born by the department.
- 27 The payment shall be made on quarterly basis in equal installments.
- 28 The department will collect water samples from different schemes and hand over to the staff and laboratory.
- 29 The maximum No of samples to be tested per month for **physical and chemical analysis** shall be 125 Nos and **bacteriological analysis** samples shall be 125 Nos.
- 30 The firm shall keep the laboratory operational on all days except national holidays on 26th January, 15th August and 2nd October or else penalty @ Rs. 500/- per day shall be charged for each non-operational working day if the lab is kept closed without any valid reason.

- 31 All statutory deductions shall be made from the bills of the contractor on the rates specified by the department from time to time.
- 32 The firm/ contractor shall report and suggest the measures to be taken for the disinfection of the water samples where anything found unhygienic or contaminated for human consumption to the Engineer-in-Charge. In case test results of any samples are not within the prescribed limit as per BIS-10500-1991, remedial measures shall be specified by the firm/contractor.
- 33 The firm/contractor shall be responsible for proper house keeping of the lab during working hours and it shall be kept clean by all means
- 34 The performance guarantee bond in the shape of bank deposit in favour EE IPH Division No.II,Kullu @ 5% of awarded amount which have to be deposited by successful firm/contractor before award of work. Earnest money will also have to be deposited in prescribe mode
- 35 Test result shall be authenticated upto 50% & 20% Junior Engineer and Assistant Engineer respectively and Executive Engineer expected to authenticate by 5%. On line entries of the samples tested on a particular day shall be made within next 24 hours in the format available in the link www.indiawater.gov.in.
- 36 Online entries of the samples tested on a particular day shall be made within next 24 hours in the format available in the link www.indiawater.gov.in
- 37 Payment schedule will be as under.
- i) 25% after expiry of 3 months.
 - ii) 25% after expiry of 6 months.
 - iii) 25% after expiry of 9 months.
 - iv) 25% after expiry of 12 months.

Executive Engineer,
IPH Division No. II
Kullu at Bhunter.

DNIT

Name of work:- A/R & M/O WSS Bhalan (Phase Kulha) of CV Bhalan in Tehsil Banjar Distt. Kullu HP(SH:- C/O Intake Chamber & L/J of GI pipe

Estimated Cost 122167
 Earnest Money 2443
 Time 6 months

S.No.	Description of items.	Quantity	Rate	Unit	Amount
1	Excavation in foundation trenches etc. in earth work lift up to 1.5 mtrs. Stacking the excavated soil not more than 3 metres away from the edge of excavation and then returning the stacked soil in 15 cm layers when required in to plinth and sides of foundations, consolidating each deposited layer by ramming , watering and then disposing of all surplus excavated earth as directed with in a lead of 20 metres in pick jumper work.	237.82		Cum	
2	Providing and laying cement concrete 1:4:8(1cement:4 sand: 8 graded stone aggregate 40 mm nominal size) and curing complete excluding the cost of form work in foundation and plinth.	0.00		Cum	
3	Random rubble masonry coursed with hard stone of approved quality in foundation & plinth i/c racking out joints in cement mortar 1:6(1cement:6sand).	0		cum	
4	Prov. Form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so asto give a fair finish including centring , shuttering, strutting & propping etc. with wooden battens & ballies , height of propping & centring below supporting floor to ceiling not exceeding 4 mtrs.& removal of the same for insitu reinforced concrete & plain concrete work in :Flat surfaces such as soffits of suspended floors , roofs , landings & the like .Floors etc. up to 200 mm in thickness :				
	ii) Flat surfaces such as soffits of suspended floors, roofs landings and the like: floors etc. up to 200 mm in thickness.	0.00		Sqm	
5	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete up to floor two level.	0.00		Kg	
6	Providing and laying cement concrete 1:2:4(1cement:2sand:4graded stone agg. 20mm nominal size) excluding cost of form work and reinforcement for reinforced concrete work in suspened floors,roofs,landing and shelves and their supports ,balconies,beams,girders,bressumers and cantilever upto floor two level .	0		cum	
7	20mm thick cement plaster in single coat on rough side of brick/ stone masonry for interior plastering upto floor two level i/c arrises ,internal rounded angles, chamfersand rounded angles not exceeding 80mm in girth and finished even and smooth in C.M.1:3(1cement:3 sand).	0		Sqm	
8	Cement concrete flooring 1:2:4(1cement:2sand:4graded stone agg. 20mm nom-nal size) laid in one layer finished with a floating coat of neat cement 40 mm thick	0		Sqm	
9	Providing and fixing man hole cover in CC 1:2:4 fixed with angle iron frame of size 0.60x 0.45 light duty. The weight of frame should not be less than 15 kg.	1.00		Each	

10	Laying , jointing and testing in trenches galvanised mild steel of following dia metre, including carriage of pipe and cost of fitting such as bends, tees, air valve, unions and collars etc, as per direction and to the entire satisfaction of Engineer in charge. (Earth work to be measured and paid for seperately)				
	20 mm	1130		Rmt.	

TERMS AND CONDITIONS

Total:-

- 1 The work will be carried out as per HPPWD/IPH specification relevant IS/BIS-code &
- 2 The rates of all items should be inclusive of carriage of all material with in all leads
- 4 Cement will be issued from Divisional store Shamshi @ Rs. 298 /- per bag for which recovery shall be made from each bill.
- 5 Steel will be issued @ 4600 per qtl.from sub Divisional store Sainj .
- 7 1% Labour cess will be deducted on gross amount from each bill besides other deductions such as income Tax, Surcharge on Income Tax and Sales Tax etc.

Executive Engineer,
IPH Division No. II
Kullu at Bhunter.