

S.No	Description of items.	Quantity	Rates.	Time Limit:- Three years		
				Unit.	Amount.	
		In fig.		In Words.		
1	Operation Running and maingtenance of Sub divisional watr sample testing laboratory at Sunni for three years by providing skilled / unskilled operating staff and good quality materials such as chemicals regents glass wares etc as required for testing of water sample for Physical, Chemical and Bacteriological tests complete process in all respect i.e. direction and satisfaction of website regularly as per the direction and satisfaction of Engineer-in-Charge as per the conditions of the contract and special terms and condition attached as per Annexure-A					
(a)	Physical & Chemical Test for all 17 Parameter - i) Temperature (ii) Colour (iii) Odour (iv) Taste (v) Turbidity (vi) pH (vii) TDS/ ElectConductivity (viii) Total Alkalinity (ix) Chloride (x) Fluoride (xi) Nitrate (xii) Sulphate (xiii) Iron (xiv) Manganese (xv) Total Hardness (xvi) Total Arsenic (xvii) Free Residual Chlorine .	750 x 3Yea	Nos		Each	
(b)	Bacteriological Test :-	1500 x 3Yea	Nos		Each	
	1) Total Coliform					
	E coli / Thermotolerant Coliform : Test if total coliform are found					
	( Rs:- Five Lacs ninety eight thousand five hundred only.)				Total:-	
<b>TERMS AND CONDITIONS</b>						
1	In order to give true picture of water tests and considering the importance of drinking water quality , the contractor / firm is expected to do entire job very carefully.					
2	The contractor / firm bidding for the job must have previous experience of operation & maintenance of the water testing laboratory ( not less than 500 water samples tests / month.					
3	The contractor / firm shall have to employ qualified and well experienced chemists / assistant chemist . The desirable qualification for laboratory staff shall be as per uniform Drinking water quality monitoring protocol 2013 i.e Chemist :- Graduation in science with chemistry Microbiologist / Bacteriologist- Graduation in science with biology. Data entry operator- Class xii with skills in MS office and internet operation.					
4	<u>Before award of work , the name , qualification details, correspondence address, complete resume of the engaged persons along with attested photocopies ( also originals to be returned ) of qualification documents certificates from recognized institute shall be submitted to departmental screening committee which will decide the selection of staff after conducting interview &amp; candidate if found suitable by the committee , the work will be awarded . In case candidate is not found suitable then the contractor / firm shall produce other candidate for interview. However candidate can be sponsored maximum three times failing which the work will not be awarded to the firm &amp; earnest money shall be forfeited.</u>					
5	The person employed by the firm shall be his establishment only & DWSM/Department shall not be bound to regularize their services.					
6	The candidate to be deployed should be free from any kind of communicable disease and before joining the candidate shall submit the certificate of medical fitness issued by the authorised medical attendant / medical officer.					
7	The contractor / firm shall follow relvent BIS codes for the testing of water samples for physical , chemical & bacteriological test in all respect.					
8	The contractor / firm shall be responsible for payment of minimum wages & monthly payment , insurance , agreement , medicare cover, accident cover to the employed staff as per prevailing labour law & latest instructions of Govt / department					
9	During working hours proper dress code shall be maintained in the laboratory . The lab staff shall attach batch/ identity cards displaying the name & designation.					
10	The contractor / firm shall be responsible for proper handling of lab equipments, reagents & chemical etc.					

11	The contractor / firm shall be responsible for any accident / losses caused due to negligence & a first aid box shall also be provided by the contractor / firm in the laboratory.
12	The contractor / Firm shall be penalized for any breakage or any damage of the equipments of the lab and shall replace the same with new one and decision of the Engineer-in-Charge shall be final in this regard.
13	The necessary materials and chemicals required for the testing of samples shall be provided by the Contractor / Firm at his cost.
14	The chemicals to be used for water quality testing should be of Laboratory Reagent (LR) or Analytical Reagent ( AR) grade Contractor / Firm shall keep the inventory of all the used material and chemicals. The inventory shall be maintained in registers.
15	The Contractor / Firm shall keep the proper record of all tested water sample and shall submit the consolidated report to the Assistant Engineer- in- charge of the laboratory monthly. The firm shall also bring to the notice of the Engineer-in-Charge the details of failed samples daily.
16	The contractor / Firm shall report and suggest the measures to be taken for the disinfection of the water, as found anything unhygienic for human consumption.
17	The inventory of all the glass ware shall be maintained by the Contractor / Firm.
18	All sample collecting material including those which are to be returned and reused should be fit for sampling cleaning and sterilization of sample collecting material shall be as per standard procedure.
19	The Electricity charges will be borne by the department.
20	The payment shall be made on Quarterly basis in equal installments
21	All the water sample reached in the lab have to be tested Minimum 3000 samples out of which minimum 2/3rd i.e. 2000 sample shall be for Bacteriological analysis have to be tested in a year and monthly report alongwith photocopy of register shall be submitted through Assistant Engineer to Divisional office.
22	If more than 3000 samples are tested in the lab the Contractor / Firm shall be paid extra for excess sample at the approved rate. A penalty of double the rate awarded shall be levied if samples are not tested inspite of its receipt in lab.
23	Each source shall be tested twice a year i.e. pre monsoon and post monsoon for bacteriological analysis and once a year for chemical analysis. Therefore contractor / Firm shall be responsible for ensuring the sampling schedule of sources and if any, shortcoming is noticed in above mentioned schedule by the contractor / firm, it should be brought to the notice of concerned Executive Engineer. Also ensure that sources from every habitation falling under jurisdiction of lab shall be tested.
24	The list of parameter to be tested at sub divisional level lab is as under:-
25	(i) Temperature (ii) Colour (iii) Odour (iv) Taste (v) Turbidity (vi) pH (vii) TDS/ Elect Conductivity (viii) Total Alkalinity (ix) Chloride (x) fluoride (xi) Nitrate (xii) Sulphate (xiii) Iron (xiv) Manganese (xv) Total Hardness (xvi) Total Arsenic Discrete testing shall be done / (xvii) Free Residual Chlorine / (xviii) Total Coliform The contractor / Firm shall be responsible for cleaning of Laboratory during working hours.
26	The contractor / firm shall keep the lab operational on all working days. If any person from lab staff goes on leave the alternate staff shall be provided in lab by the contractor / firm for the respective job . Even then if it remains non- operational a penalty of Rs 500/- per day shall be levied.
27	Online entry of the samples tested on a particular day shall be made within next 24 hours on the format available on web site i.e. www.indiawater.gov.in after getting the test report signed from either consultant ( chemist) or concerned JE incharge or concerned AE incharge of the laboratory.
28	The firm shall hand over the laboratory including all equipments, glass wares, chemicals, reagents to the department after expiry of the contract in good conditions.
29	Disposal of all the waste generated in the lab and washing of glassware, breakage & discard materials will be done by the firm at their own cost at appropriate place marked in the area and as per the standard procedure for waste water disposal.
30	Firm will also be responsible for functioning of all light switch fittings, fixtures and accessories in the lab building at their own cost.
31	The period of contract will be for three year beginning after 15 days from the date of award.
32	As per negotiation if the samples provided by the department are less than 3000 samples in an year , the payment will be for 3000 samples.
33	The department will make bills on quartely basis .
34	The firm shall keep the laboratory operational as per labour law. Sunday and holiday & all the national & state holidays will be provided to staff.
35	The rates are exclusive of the glass ware & glass wares provided by the department shall have to be returned back to the department in good condition, any breakage of glass ware shall be made good by the contractor.

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Distt Shimla H.P.

**Job 2.**

**DRAFT NOTICE INVITING TENDER**

Name of work :- Providing LWSS Saresh Pahal in GP Khatnol tehsil Suni Distt. Shimla HP.

Estimated Amount Rs. 106838/-

(Sub Head :- C/O Intake Chamber, RCC slab Storage Tank, L/J of GI pipes and P/L of feeder pipe etc.)

Earnest Money Rs 2200/-

Time Limit:- 3 Months

S.No	Description of items.	Quantity.		Rates.		Unit.	Amount.
				In fig.	In Words.		
1	Excavation in foundation trenches etc.in earth work 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 trimming and dressing of side levelling of bed to correct grade and returning the stacked soil in trenches in 15cm.layers by ramming and watering and then disposing of all surplus excavated soil as directed in all leads and lifts and soring strutting/timbering and dewatering where ever required including restoration of un metalled/metalled paved surfaces of its original conditions including caution boards in all respect and to the entire satisfaction of the Engineer-in-Charge.	268.65	Cum			Per Cubic Mere.	
2	Providing and laying cement concrete 1:3:6(1cement:3 sand:6 graded stone agg.40mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	0.34	Cum			Per Cubic Metre.	
3	Providing and laying cement concrete 1:1/12:3(M20) (1cement:1 1/2 sand:3 ggraded stone aggregate 20mm nominal size) and curring complete excluding the cost of form work and reinforcement for reinforced concrete work in:-						
i	In foundation & plinth.	0.34	Cum			Per Cubic metre.	
ii	Walls (any thickness)but not less than 0.1 mtr.thickness)attached pillasters,buttresses,plinth and string courses etc.from top of foundation level upto floor two level in all leads and lifts.	0.47	Cum			Per Cubic metre.	
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 et c.with wooden battens and ballies height of propping and centring below supporting floor to ceiling in all heights and removal of the same for insitu reinforced concrete and plain concrete workin:-						
i	Flat surfaces such as soffits of suspended floors,roofs,landings and the like floors etc.upto 200mm in thickness in all leads and lifts.	8.63	Sqm.			Per Square Metre	
ii	Vertical surfaces such as walls(any thickness)partitons and the like including attached pillasters,buttresses plinth and string courses and the like Columns,pillars posts and struts in all leads and lifts	46.09	Sqm.			Per Square Metre	
5	Providing and laying cement concrete 1:2:4 ( 1cement:2 sand: 4graded stone aggregate 20 mm nominal size )and curing complete excluding the cost of form work and reinforcement for reinforced concrete work 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 & lifts.	0.75	Cum			Per Cubic Metre	
6	Providing tor steel reinforcement for RCC work including bending, binding and placing in position compete up to floor two level in all leads and lifts.	82.68	Kg			Per Kg	
7	Providing in RCC work smooth finishing of the exposed surfaces with cement mortar 1:3 (1 cement : 3 sand)complete in all leads and lifts.	25.06	Sqm.			Per Square Metre	
8	Laying ,jointing and testing in trenches GMS tubes (Light grade) tube fittings such as bends,tees unions 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)in all leads and lifts.						
	20 mm dia	600	Rmt.			Per Running Metre.	
	40 mm dia	216	Rmt.			Per Running Metre.	
9	P/ F Brass fullway valve with hand wheel of superior quality. 40 mm dia	2	Nos.			Each	

	20 mm dia	2	Nos.			Per Running Metre.
10	40mm thick cement concrete flooring 1:2:4 ( 1 cement :2 sand :4 graded stone agg. 20 mm nominal size ) laid in one layer finished with a floating coat of neat cement.	0.81	Sqm.			Per Square Metre
11	White washing with lime on un-decorated wall surfaces (2 coats) to give and even shade including thoroughly bromming the surface to remove all dirt, dust mortar, dirt and other foreign matter in all leads & lifts.	208.75	Sqm.			Per Square Metre
12	Providing in RCC work smooth finishing of the exposed surfaces with cement mortar 1:3 (1 cement : 3 sand)complete in all leads and lifts.	25.06	Sqm.			Per Square Metre
13	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease dirt & other foreign matter sand papering and knotting ready mixedpait brushing in wood primer pink with in all leads & lifts.	15.55	Sqm.			Per Square Metre
14	Painting two coats(Excluding priming coat) on new wood and wood based surface with ready mixed paint brushing to give and even shade including cleaning of all dirt , dust & other foreign matter sand papering and stopping with ready mixed paint othe than white with in all leads & lifts.	15.55	Sqm.			Per Square Metre
15	Making connection of galvanised steel distribution branches with galvanised mild steel main 15 mm to 40 mm nominal bore by providing & fixing tee including cutting and threading the pipe complete.	10	Nos			Each
						<b>Total:-</b>

**TERMS AND CONDITIONS**

- 1 Use of vibrator in mendatory for RCC/CC work
- 2 5% payment shall be with held for testing of line & civil structures
- 3 Cement will be issued to the contractors from IPH Store Suni @ Rs 240/- per bag PPC .
- 4 Steel will be issued to the contractors from IPH Store Suni @ Rs 52.00 per/Kg.
- 5 The work will be executed as per PWD/IPH specification and as per the direction of the Engineer-in-Charge.
- 6 The contractor is fully responsible for watch and ward of material as issued to him
- 7 The sale tax, Labour cess & Income tax will be deducted from every bill.
- 8 Pipe will be issued by the Deptt to the contractor from IPH Store Suni free of cost.
- 9 The pipe fitting such as Tee,Bend ,Union etc shall be arranged by the contractor at his own cost.

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20	Security, GST, labour cess and other deduction will be made as per prevailing rules time to time.
21	Nothing will be paid for the period during which the scheme remains out of the order due to fault of the contractor. In the event of the contractor not providing stipulated
	a) Terminate the contract after 15 days notice. Or/and
	b) Recover amount of loss caused by damage, failure or default as may be determined by the Engineer-In-Charge. Or/and
	c) impose penalty not exceeding 10 % value of the contract. Or/and
	d) Forfeit the security / performance guarantee.
22	Energy charges required for operation of scheme (running of pumping machinery and lighting arrangement in the pump house) shall be borne by the deptt and paid
23	The contractor/ firm shall submit copies of logbook at the time of submission of bills and no payment shall be made without production of above documents/records. Payment schedule will be as under:-
24	The Payment shall be made monthly /quarterly on the basis of daily bulk meter readings, daily Energy meter readings and daily hour run meter readings which shall be
25	The payment shall only be made electronically through NEFT/RTGS directly crediting the amount in the bank account of the contractor/firm and the following
	(i) Bank account No .....
	(ii) Name of Bank and Branch .....
	(iii) IFSC code of Bank Branch .....
26	The site shall be inspected by the contractor/firms before submitting their offer complete in all respect. In case of any defect/ short-coming the same shall be brought
27	Release of security and final payment shall be subject to satisfactory handing over the pumping Machinery as well as entire scheme in working condition to the
28	The arrangement of lights inside or outside of pump house and its maintenance has to be ensured by the contractor by providing lamp, tubes and CFL alongwith

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SCHEDULE OF QUANTITY							
Name of Work:- A/R & M/O LWSS Deola GP Deola Tehsil Sunni Distt Shimla (HP)					Estimated Amount Rs.		
Sub Head :- Repair of Pump House 1st stage & C/O Attendent Room )					Earnest Money Rs 4000/-		
Time Limit:-6 Months							
S.No	Description of items.	Quantity.		Rates.		Unit.	Amount.
				In fig.	In Words.		
1	Excavation in foundation trenches etc.in earth work 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 trimming and dressing of side levelling of bed to correct grade and returning the stacked soil in trenches in 15cm.layers by ramming and watrering and then disposing of all surplus excavated soil as directed in all leads and lifts and soring strutting/timbering and dewatering where ever required including restoration of un metalled/metalled paved surfaces of its original conditions including caution boards in all respect and to the entire satisfaction of the Engineer-in-Charge.	0.81	Cum			Per Cubic Mere.	
2	Providing and laying cement concrete 1:3:6(1cement:3 sand:6 graded stone agg.20mm nominal size)and curing complete excluding cost of form work in foundation and plinth in all leads and lifts.	0.16	Cum			Per Cubic Metre.	
3	Providing and laying cement concrete 1:2:4 ( 1cement:2 sand: 4graded stone aggregate 20 mm nominal size )and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in :-						
	i) In foundation & plinth.	0.32	Cum			Per Cubic metre.	
	ii) suspended floors, roofs,landings and shelves and their supports, balconies, beams, girders, bressumers and cantilivers up to floor two level in all leads & lifts.	0.19	Cum			Per Cubic Metre	
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 et c.with wooden battens and ballies height of propping and centring below supporting floor to ceiling in all heights and removal of the same for insitu reinforced concrete and plain concrete workin:-						
i	Flat surfaces such as soffits of suspended floors,roofs,landings and the like floors etc.upto 200mm in thickness in all leads and lifts.	1.62	Sqm.			Per Square Metre	
ii	Vertical surfaces such as walls(any thickness)partitons and the like including attached pillasters,buttresses plinth and string courses and the like Columns,pillars posts and struts in all leads and lifts	2.16	Sqm.			Per Square Metre	
6	Providing tor steel reinforcement for RCC work including bending, binding and placing in position compete up to floor two level in all leads and lifts.	47.00	Kg			Per Kg	
7	Brick Work using common burnt clay building bricks in foundation and plinth in cement mortar 1:4 (1 cement : 4 sand) First class bricks.	0.51	Cum			Per Cum	
8	Half brick masnory in common burnt clay building bricks in cement mortar 1:4(1cement:4 sand ) for Railing.	25.85	Sqm			Per sqmtr	
9	Providing wood work in frames of doors, windows, clear storey windows & other frames wrought framed & fixed in position complete with all leads & lifts 2nd Class Deadar Wood.	0.2	Cum			Per sqmtr	
10	Providing & fixing panelled glazed or panned & panelled & glazed shutters for doors, windows, & clear story windows including black enamelled iron butt hinges with necessary screws(40mm thick in all leads & lifts2nd class deodar wood)	3.92	Sqm.			Per sqmtr	
11	Prov. & fixing wire gauge shutter using galvanised MS wire gauge of IS Gauge designation 85 G with wire of dia 0.56 mm for doors windows & clearstory windows i/c bright finished black enamelled iron hinges with necessary screws. 2nd class deodar wood.	3.92	Sqm.			Per Square Metre	

12	15 mm cement plaster in single coat on rough side of brick/stone masonry for interior plastering up to 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 1:6 (1cement:6sand ) with in all leads , lifts and carriage of material.	261.88	Sqm.			Per Square Metre
13	Cement concrete flooring 1:2:4(1cement:2sand:4graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement(40mm thick) with all leads and lift.	9.61	Sqm.			Per Square Metre
14	Prov. White glazed tiles 6mm thick in flooring , treads of steps & landings laid on a bed of 12 mm thick cement mortar 1:3 ( 1 cement : 3 sand ) finished with flush pointing in white cement. .	9.61	Sqm.			Per Square Metre
15	Distemping with lime / oil bound on undecorated wall surface two coats to give an even shade i/c thoroughly brooming the surface to remove all dirt dust and other foreign matter.	161.9	Sqm.			Per Square Metre
16	Applying birla white wall care putty over plaster surface after throughly brushing the surface drom mortar drpos , dust, loose materials and other foreign matters sand paped smooth to give final matter finish to the surface complete.	161.9	Sqm.			Per Square Metre
17	Railing for path to attendant quarter.	150	Kg			Per Kg
18	P/F plain square edge cover fillets ( beading) 40mm x12 mm section with wood screw in ceiling and lining i/c mitring at junction . 1st class deodar wood.	24.8	Rmtr			Per Rmtr
19	P/F plain lining with tounge and groved jointing and screws ( frame work & cover fillets to be measured and paid for separately 12 mm thick Ply wood.	16	Sqmtr			Per sqmtr
20	P/F 0.60 mm thick prepainted steel sheet in roofing with hot dipped maetallic Zinc coated sheet with top coat of regular modified polyster ( RNP) organic coating of 20 mircons over 5 microns primer coating of black coat of ployster of 5 microns primer coating i/c fixing with prepainted iron J & L hooks bolts and nuts 6 mm dia meter with prepainted limpet and rubber washers complete with all accessories as required as per the direction of Engineer-in-charge.	23.04	Sqmtr			Per sqmtr
21	Steel work in single section i/c cutting, hoisting fixing in position and applying priming coat of lead paint.	3.37	Qtl			Per Qtl.
22	P/F of ridges or hips 60cm over all in plain GI Sheet with galavanised Jor L hooks bolts and nuts 8 mm dia GI Limpet and bitumen washers complete . 0.63 mm thick sheet.	15	Rmtr			Per Rmtr
23	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease dirt & other foreign matter sand papering and knotting ready mixed paint brushing in wood primer pink with in all leads & lifts.	7.84	Sqm.			Per sqmtr
24	Painting two coats(Excluding priming coat) on new wood and wood based surface with ready mixed paint brushing to give an even shade including cleaning of all dirt , dust & other foreign matter sand papering and stopping with ready mixed paint othe than white with in all leads & lifts.	7.84	Sqm.			Per sqmtr
25	P/F Anodized aluminium Sliding door bolts 250x16mm	2	Nos			Each
26	P/F Anodized aluminium Tower bolts 250x10 mm	2	Nos			Each
27	P/F Anodized aluminium Tower bolts 200x10 mm	16	Nos			Each
28	P/F Anodized aluminium handles anodized transparent or dyed to required shade & colour with screw etc complete..					
		125mm	4	Nos		Each
		100mm	8	Nos		Each
29	P/F Oxidized MS hooks and eyes.	8	Nos			Each
30	Providing & fixing 40x30mm flat iron hold fast 40cm long including fixing to frame with 10mm dia meter nuts & bolts wooden plug & embending in cement concrete block 30x10x15cm 1:3:6 (1cement:3sand:6graded stone aggregate 20mm nominal size) with in all leads and lifts.	14	Nos			Each
						<b>Total:-</b>

**TERMS AND CONDITIONS**

- 1 Use of vibrator in mendatory for RCC/CC work
- 2 5% payment shall be with held for testing of line & civil structures
- 3 Cement will be issued to the contractors from IPH Store Suni @ Rs 280/- per bag PPC .
- 4 Steel will be issued to the contractors from IPH Store Suni @ Rs 52.00 per/Kg.
- 5 The work will be executed as per PWD/IPH specification and as per the direction of the Engineer-in-Charge.
- 6 The contractor is fully responsible for watch and ward of material as issued to him
- 7 The sale tax, Labour cess & Income tax will be deducted from every bill.
- 8 The material shall be supplied / use as per IS specification.

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SCHEDULE OF QUANTITY							
Name of Work:- A/R & M/O to various Scheme under I&PH Sub Division Sunni Tehsil Sunni Distt. Shimla.					Estimated Amount Rs.		
(Sub Head :-Laying & Jointing of GI Pipe & making connections under section Sunni, Mandri & Basantpur).					Earnest Money Rs 2700/-		
Time Limit:-3 Months							
S.No	Description of items.	Quantity.		Rates.		Unit.	Amount.
				In fig.	In Words.		
1	Excavation in foundation trenches etc.in earth work 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 trimming and dressing of side levelling of bed to correct grade and returning the stacked soil in trenches in 15cm.layers by ramming and watring and then disposing of all surplus excavated soil as directed in all leads and lifts and soring strutting/timbering and dewatering where ever required including restoration of un metalled/metalled paved surfaces of its original conditions including caution boards in all respect and to the entire satisfaction of the Engineer-in-Charge.	405.00	Cum			Per Cubic Mere.	
2	Laying ,jointing and testing in trenches GMS tubes (Light grade) tube fittings such as bends,tees unions 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)in all leads and lifts.						
	15mm dia	450	Rmt.			Per R/ Metre.	
	20mm dia	450	Rmt.			Per R/ Metre.	
	25mm dia	450	Rmt.			Per R/ Metre.	
3	P/ F Brass fullway valve with hand wheel of superior quality. 15 mm dia.	36	Nos.			each	
	20 mm dia	36	Nos.			each	
	25mm dia	36	Nos.			each	
4	Making connection of galvanised steel distribution branches with galvanised mild steel main 20 mm to 40 mm nominal bore by providing & fixing tee including cutting and threading the pipe complete.	108	Nos			each	
						<b>Total:-</b>	

**TERMS AND CONDITIONS**

- 1 5% payment shall be with held for testing of line & civil structures
- 2 The work will be executed as per PWD/IPH specification and as per the direction of the Engineer-in-Charge.
- 3 The contractor is fully responsible for watch and ward of material as issued to him
- 4 Pipe will be issued by the Deptt to the contractor from IPH Store Sunni free of cost.
- 5 The pipe fitting such as Tee,Bend ,Union etc shall be arranged by the contractor at his own cost.
- 6 The sale tax, Labour cess & Income tax will be deducted from every bill.

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