

SCHEDULE OF QUANTITY

Name of Work:- Consultancy Services for Augmentation of LWSS Nalagarh Town in Tehsil Nalagarh Distt. Solan(HP) (SH:- Preparation of detailed project report)

Estimated Cost Rs. 368985.00 /-only
Earnest Money Rs. 7380.00 /-only
Time : 3 MONTHS

SCHEDULE OF WORKS									
Sl. No.	Description of work	No. or Qty.		Unit	RATE in		AMOUNT		
					Figures		Rs.	P	
1.00	Preparation of detailed project report and plan proposal for Augmentation of LWSS Nalagarh Town in Tehsil Nalagarh Distt. Solan(HP) Consultancy including survey and investigation , Site Plan, Prepration of L-Section of Rising main and distribution system etc. and nicely wined 06 copies of DPR shall be supplied in hard and one copy of soft format complete in all respect as per direction of Engineer in charge.								
A)	Survey & Plan proposal								
i)	Reconnanince Survey	1.00	Job	L-S					
ii)	Geodetic survey on different scales and prepration of topographical map in requisite scale to supply them both in soft and hard format with six copies complete including cost of manpower, labour, survey equipments, Camp equipment, tranportation etc. in all kind of terrain scale 1:1000 with Contour intervals 1.00 metre (wherever required) and complete as per direction of Engineer in Charge	30.00	KM	Per K.M.					
B)	Prepration of DPR								
i)	Project hydrology studies :- Detail studies for estimation of water availability, peak water demand, design rising main and distribution system studies i/c writing of report.	1.00	Job	L-S					
ii)	Estimation of quantity, analysis of rates and prepration of cost of estimation for detailed Project Report as per JJM / NABARD/Govt. guidelines .	1.00	Job	L-S					
Total:-									

Term & Condition :-

1	The work shall be carried out as per IPH/PWD IPH specification and prevailing norms of department.
2	The work should be done to the entire satisfaction of the Engineer-in-Charge.
3	Security, Income Tax, labour cess and GST as admissible will be deducted from the bill of the Contrator.
4	Nothing will be paid for rejected work.
5	The above quantities can be increase or decreased.
6	All kind of field data be collected by the consultant. During the Collection of data, legal or processing fees
7	Shortest length of Rising main/Gravity main/distribution system shall be followed.
8	The consultant should be registered with HPIPH in appropriate class & have the experience in survey &
9	All kind of NOCs and lead chart shall be provided by the department.
10	SUBMISSION OF REPORT
10.01	The Consultants shall be required to furnish the following reports in six copies each.
11	Payment Schedule:
11.01	On submission of DPR/A/A & ES (6 copies). = 65% of the awarded amount.
11.02	On Approval of DPR/AA /&ES = 10% of the awarded amount.
11.03	On submission of Working Estimte (4 copies). = 15% of the awarded amount.
11.04	On apporaval of Working Estimte (4 copies). = 10% of the awarded amount.
11.05	If the DPR will be approved by Urban Development then department will presue the DPR and balance 10% of A/A & E/S payment will be disbursed to the contractor .

Job No.2

SCHEDULE OF QUANTITY		Estimated Cost Rs :-	3,75,000		
Name of work:- R/M of LWSS Charoli Brahma in Tehsil Nalagarh ,Distt. Solan (HP) (SH: -Supply and erection of Centrifugal Pumping set 50.00 HP X 1 sets 2nd stage (Ratwari Phase).		Earnest Money Rs :-	7500		
		Time :-	1 month		
S.NO.	DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	Supply, erection, testing & commissioning of horizontal spindle, horizontal split casing, radial split Single,	50 HP		Per/ set	
a)	Total Head in mtrs (i/c depth of Column Pipe in case of t/well) :	339 mtrs	Set		
b)	Capacity (in LPS) of each pump set.	4.00 LPS			
c)	Dia of R/Main (in mm)	80 mm			
a)	SITE CONDITIONS:-				
l)	Location of Site:-	Near Village Balah			

Name of work: - R/M of LWSS Charoli Brahma in Tehsil Nalagarh ,Distt. Solan (HP) (SH: -Supply and erection of Centrifugal Pumping set 50.00 HP X 1 sets 2nd stage (Ratwari Phase)

TERMS AND CONDITIONS .

- 1 The firm shall forward a copy of supply order /indent placed by it, for the supply of pumps and motors on the manufacturers/authorized dealers of the pumps and motors to the consignee within 30 days after issue of the letter of intent/award by the Engineer In-charge. The copy of supply order/intent to the consignee should also accompany the dealership certificate of the dealer for the pumping machinery in case the pumps and motors are arranged from the authorized dealer.
- 2 The firm shall arrange dispatch of offered pumps and motors to the consignee direct from the manufacturers/their authorized dealer of the pumping machinery for which the supply order/indent has been placed by the firm. The packing slip should indicate the details of materials in the package and material of construction of pumps and motors.
- 3 The shop test for the pumps and motors shall be carried out at manufacturer's works in the presence of representative of the department as per IS: 325-1978. The test performance certificate of the pumping machinery shall be arranged by the firm from the manufacturers and get it approved from the Engineer In-charge before actual dispatch of the pumping machinery.
- 4 The firm shall supply the recommended list of spares and quantities required for normal working of pumping machinery (2 years) from the manufacturers of the aforesaid equipment at the time of quoting rates and shall quote item rates for the same also.
- 5 The firm shall supply the manufacturer's manuals for the operation and maintenance of the pumping equipment.
- 6 The firm shall arrange operation and maintenance training to the operating staff for the pumping machinery without extra cost for a period of 7 days i.e. during the testing period.
- 7 The characteristic curves/performance curve chart in original of the offered pumping equipments shall be supplied with the tender by the participating firms failing which the tender shall be rejected.
- 8 The firm shall supply & get the same approved from Engineer In-charge, the layout drawing in respect of various components, such as suction pipes, valves, cable, trenches, control panel etc. from the foot valves location to the common header which shall extend up to 5 meter from the outer wall of the pump house towards rising main. The details of foundations required for various components shall also be supplied by the firm within 30 days of the letter of intent/award.
- 9 The installation of pumping machinery above 100HP shall be inspected by the technical representative of the manufacturer of rank not less than that of a service engineer, at the work site and inspection certificate shall be supplied to the Engineer In-charge. This inspection shall be in addition to the test report and nothing extra shall be paid on this account.
- 10 All the civil work shall be constructed by the department.
- 11 The wiring and installation of electric equipment shall be as per HPSEB rules and regulations and subject to the approval of the Chief Electrical Inspector and or his authorized officer. Any defect pointed out shall be rectified by the firm without any extra cost. The wiring and installation of all electric equipment shall be done by licensed contractor of approved class of HPSEB and test report shall be got accepted from the HPSEB authorities on their approval format (Form-D) for release of power connection by the firm without extra cost.
- 12 The temporary electrical connection, if required during installation shall be arranged by the firm at its own cost and energy charges shall also be paid directly by the firm to the HPSEB.
- 13 Prices of all the items shall be FOR site of work inclusive of all leads and lifts and shall be inclusive of all charges of transportation. Insurance, packing, taxes and duties such as sales tax, excise duty and local taxes extra.
- 14 The rates shall be quoted only on the format of schedule of quantities which is attached with the tender documents giving all specified data so desired there in.

- 15 The rates offered for, the specified makes in the schedule of quantities only shall be considered. Rates quoted for part of non specified makes shall lead to rejection of the tender.
- 16 The site of work is located near village Charoli Brahmna in Tehsil Nalagarh District Solan (HP). The rates quoted by the firm shall be inclusive of all mechanical and manual transport within all leads and lifts.
- 17 All the equipments /material shall conform to the relevant BIS specifications wherever applicable and in its absence to any accepted national/International standards.
- 18 All the equipment shall be guaranteed against any manufacturing defect including metallurgy and its performance for a period of 12(twelve) months from the date of commissioning/15 (fifteen) months from the date of supply whichever is earlier. Any defect if noticed within the stipulated period shall be rectified by the firm at its own cost within 15 days of bringing the same to its notice. The guarantee clause shall be substantiated by a guarantee bond of a Nationalized Bank for an amount equal to the cost of pumping and electric equipment (accessories included) pledged in the name of the Executive Engineer in-charge at the time of applying for refund of security deposits. The guarantee bond shall be released after the expiry of the guarantee period.
- 19 The installed pumping machinery and other allied accessories shall be tested daily for stipulated pumping hours in the NIT for a period of seven days without extra cost. However, the cost of electricity and water shall be borne by the deptt.
- 20 During the guarantee period efficiency of the pumping and the electric equipment should not vary beyond the range of (+/-) 2.5% .If during guarantee period, the efficiency falls beyond 2.5% to a maximum of 5%, 1% cost of the pump set for 1% fall of the efficiency shall be deducted. In case of fall of efficiency beyond 5% the pump set shall be rejected and cost of the defected pump set recovered from the pledged Bank guarantee & or from the security deposit as the case may be.
- 21 80% (eighty percent) payment of the cost of pumping machinery and equipment less 10% security and other statutory recovery shall be made after receipt of complete pumping machinery i.e. pump and motor received together at site of work in good condition. The balance 20% cost after deduction of the security and other recoveries shall be released after successful and satisfactory installation, testing of the entire equipment. Ten percent security deposit shall be released as stipulated in the agreement.
- 22 90% (ninety percent) installation charges shall be released after satisfactory installation of all the pumping and electrical equipment. Remaining 10% of installation charges shall be released after testing of the entire equipment.
- 23 The installation of pumping machinery shall be inspected by the technical representative of manufacturer of rank not less than that of service Engineers at site of work and inspection certificate shall be supplied by to the engineer in charge. This inspection shall be in addition to the test report and nothing extra be paid on this account.
- 24 Unless otherwise specified delivery pipe and pipe for common header shall be of same specification as of Rising Main in initial R.D,s near pump house.
- 25 Only manufacturers or their authorized dealers shall be eligible to participate in the tender process. They shall have to provide certificate from principal manufacturers.
- 26 Those firms/persons having sub-dealership of any approved make of pump shall be allowed to participate in tender process if and only if they are authorized dealer of any one of the approved make of pump.
- 27 Documentary proof of dealership/sub-dealership for supplying pumping machinery of NIT make must be attached with the tender by the participating firms/contractors.
- 28 In case a principal manufacturer or authorized dealer offers a Pump of which he is not a manufacturer or an authorized dealer, he must at least have sub dealer-ship of the pump "make" offered by him
- 29 Any authorized dealer participating in the tender process of the given work shall not be allowed to give authority to any individual/firm for the same work.

Executive Engineer,
JSV Divn.Nalagarh.

Schedule of quantity

Name of Work:-R/M of LIS Bheonkheri in Tehsil Nalagarh , Distt. Solan HP. (SH:- C/O Septic tank & Toilet bath room near Pump house) Estimated amount :- R **151587.00** /-only
 Earnest Money :- Rs. **3020.00** /-only
 Time : - Two Months

SCHEDULE OF WORKS

Sr No.	Description of work	No.or Qty.	Unit	RATE In Figures To be entered by the Bidder		AMOUNT	
				Figures	Words	Rs.	P
1.00	Excavation in foundation trenches etc. in all kinds of soil such as pick work,jumper work blasting work in soft or hard rock or by cum chiselling soft/ hard rock where blasting is prohibited in all leads and lifts including trimming and dewatering where ever required dressing of sides and bed stacking the excavated soil clear from the edge of excavaton and then returning the excavated soil after completion of work in 15cm layers when required into plinths, side of foundation etc. Consolidating each deposited layers by remming and watering and then disposing of all surplus excavated earth as direction within a lead of 20 mtrs. pick jumper work 50% each as per direction and to the entire satisfaction of Engineer-in-Charge upto all lead and lifts.	38.33	Cum	Per Cum			
2.00	Providing and laying cement concrete 1:4:8 (1 cement :4 sand :8 graded stone agg. 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth in all lead and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	2.05	Cum	Per Cum			
3.00	Brick work using common burnt clay 2 nd class building bricks in foundation and plinth in cement mortar 1:6 (1 cement :6 sand) i/c curing complete in all lead and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	4.94	Cum	Per Cum			
4.00	Brick work using common burnt clay 2 nd class building bricks in super structure above plinth level in cement mortar 1:6 (1 cement :6 sand) i/c curing complete with all leads and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	4.69	Cum	Per Cum			
5.00	Cement concrets flooring 1:2:4 (1 cement :2 sand :4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement (40 mm thick) as per direction and to the entire satisfacion of Engineer-in-charge upto all lead and lift.	3.06	Sqmt.	Per Sqmt.			
6.00	Placing of Tor steel reinforcement for RCC work including bending binding and placing in position including wire upto all floor level as per direction and to the entire satisfaction of Engineer-in-Charge. (Labour rate)	191.00	Kg	Per Kg.			
7.00	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish including centring, shuttering strutting and propping etc. with wooden batten and ballies, in all heights of propping and centring below supporting floor to ceiling upto all height and removal of the same for insitu-reinforced concrete and plain concrete work in :-						
7.10	Flat surface such as soffits of suspended floors, roofs,landing and the like floor etc upto 200mm in thickness.	14.36	Sqm.	Per Sqm			
8.00	15mm thick cement plaster in single coat on rough side of brick /stone /concrete walls for interior plastering upto floor two level I/c arrises, internal rounded angles, chambers and/or rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar1:6 (1 cement :6 sand) and curing complete.	37.10	Sqm.	Per Sqm			
9.00	Providing and laying cement concrete work 1:2:4(1 cement :2 sand :4 graded stone agg. 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-						
9.10	Suspended floor roofs, landing, shelves and their supports balconies beams, girders, bressumers and cantilevers upto two level all floor level in all leads and lifts as per direction and to the entire satisfaction of Engineer-in-charge.	1.91	cum.	Per cum.			

10.00	Providing and fixing pressed steel doors frames manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jump lock jamb, beed and if required angle threshold of mild steel angle of section 50x25mm or base ties of 1.25mm pressed mild steel welded or regidly fixed together by mechanical means, adjustable lugs with split and tails to each jamp including steel but hinges 2.5mm thick with guards, lock strike plate and shock as specified and applying a coat of steel primer after pretreatment or surface as directed by Engineer- in - charge.					
10.10	Profile -- A	12.90	Rmt.	Per Rmt		
11.00	Providing and fixing 1 mm thick MS sheet door with frame of 40 mmX 40 mmX 6 mm angle iron 3.15 mm M.S . Gusset plate at the junctions and corners including all necessary fittings, complete including applying a priming coat of red lead paint using flat 30 mmX 6mm for diagonal braces and control cross/ pieces.	3.26	Sqm.	Per Sqm		
12.00	Filling in plinth with sand under floors including watering, ramming consolidating and dressing complete.	0.75	Cum	Per Cum		
13.00	White glazed tiles 6 mm thick in skirting risers of steps and dado 12 mm thick cement mortar Finishing wall with water proofing cement paint of approved brand and :3 (1 cement :3 sand) and jointed with cement slurry.	5.67	Sqmt.	Per Sqmt.		
14.00	White glazed tiles 6 mm thick in flooring in cement mortar 1:3 (1 Cement : 3 sand) and jointed with cement slurry.	2.97	Sqm.	Per Sqm.		
15.00	White washing with lime on undecorated wall surface(two coat) to give an even shade i/c throughly brooming the surface to remove all dirt,dust,mortar dirt and other foreign matter. i/c entire carriage of material upto all leads and lifts.	20.27	Sqmt.	Per Sqmt.		
16.00	Hirmachi colour wash on decorated wall surfaces (Three coats) to give an even shade i/c thoroughly brooming the surfaces to remove all dirt, dust, mortar drops and loose scales of hirmachi wash and other foreign matter.	18.68	Sqmt.	Per Sqmt.		
17.00	Painting two coats(excluding priming coat)on new steel work based surfaces,with ready mixed paint,brushing to give an even shade including cleaning of all dirt,dust and other foreign matter,sand papering and stopping,with paint other than white.	3.26	Sqmt.	Per Sqmt.		
18.00	Providing and fixing M.S tower bolts(berral type)anodized transparent or dyed to required shade and colour with screws etc. complete (250 x 10) i/c entire carriage of material upto all leads and lifts..	4.00	Nos	Each.		
19.00	P/F M.S. handles to required color of shade with necessary screws etc complete in all respects.	4.00	No	Each.		
20.00	P/F vitreous china wash down water closet squatting pan (Indian Type WC pan) size 580 mm (Earth work, bed concrete, foot rest and tap should be measured and paid for seprately (Orissa Pattern)	1.00	No	Each.		
21.00	P/F PVC water storage tank of ISI 12701 marked, GI inlet and out let connection 15 mm nominal bore ball valve and mosquito proof pvc cover with locking arrangment including hoisting upto all heights above ground level of 500 litre capacity	1.00	No	Each.		
22.00	P/F PTMT coloured/ white high density polyethylene/ poly propylene 10 litre capacity (full flush) european standard control low level flushing cistern with fitting with a pair of brackets with fitting such as lead valve, syphon, 15 mm nominal size PVC ball valve with polythene float, with push button, coupling for connections with inlet, outlet and overflow pipe, 40 mm dia CP flush bend i/c cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (over flow pipe to be measured and paid for sepretely)	1.00	No	Each.		
23.00	Providing and fixing waste pipe 32 m dia for cisten	2.00	Nos	Each.		
14.00	P/F C.P. brass waste pipe for wash basin 32 mm dia	1.00	Nos	Each.		
25.00	P/F brass bib tap(Superior or heavy type) of 15 mm dia.	2.00	Nos	Each.		

26.00	Providing and fixing on wall face PVC (D-Plast) rain water pipes of working pressure not less than 4.5kg/sqm i/c filling the joints with approved adhesive complete in all respect of 100 mm dia.	25.00	Rmt.	Per Rmt			
27.00	Providing and fixing MS sheet manhole cover of 600 mm X 600 mm to existing storage tank made of angle iron 30 mm X 30 mmX 4mm base plate and man hole frame angle iron 25 X 25X 4 mm with MS sheet 2 mm thik including cutting welding , red lead paint, locking arrangement with lock complete as per the direction and satisfaction of Engineer - in -Charge.	1.00	No	Each			
Total in Figures							
Total in Words							#NAME?

TERMS AND CONDITIONS: -

1. The work will be got executed as per IPH specifications.
2. Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable.
3. The contractor is fully responsible for watch and ward of the material at site of work.
4. Nothing shall be paid for rejected work/material.
5. Although Cement, GI pipe & steel will be issued free of cost from Divisional store Nalagarh, but in case of loss or theft from the custody of contractor the same shall be recovered at double the store issue rates which are as under:-
 - i) Cement @ Rs. 255/-per bag.

Executive
Engineer,
I&PH Divn., Nalagarh.

Schedule of quantity

NAME OF WORK :-Providing LWSS to Khera Nichla and Khera Gharat & adjoining Villages in Tehsil Nalagarh Distt. Solan (HP)(SH:- Supply ,Installation ,		Estimated Cost :- Rs. 183825.00 /-only
Testing and Commissioning of Air Conditioner 1.50 Tonne in T/Well Sub Division Office Building Nalagarh.		Earnest Money :- Rs. 3676.50 /-only
		Time :- One Month

Sl. No.	Description of work	No.or Qty.	Unit	RATES		AMOUNT	
				Figures	Words	Rs.	P
1	Supply, installation, testing and commissioning of split wall cordless remote Air Conditioner of Inverter Technology (5 star Rating) with independent evaporator and one compressor. Normal cooling capacity 4500 Kcal/Hr (suitable for operation on single phase 220-240 volts, 50 Hz, AC supply) 1.50 Tonne capacity LG/Samsung/Voltage/Godrej make including all leads and lifts and to the entire satisfaction of Engineer in Charge.	3.00	No	Each			
2	Supply and installation of corresponding/matching Voltage Stablizers for the1.50 TRAC unit of a standard make with suitable wall mount option as per site requireent and to the entire satisfaction of Engineer in Charge.	3.00	No	Each			
3	Supply and fixing of suitable MS frame/stand mounting the condensing units for 1.50 Ton AC on the terrace or ground with paiting as per site requirement and to the entire satisfaction of Engineer in Charge.	3.00	No	Each			

Total in Figures	
Total in Words	One lac. Eighty three thousand eight hundred twenty five only/

1. The work will be got executed as per IPH specifications.
2. Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable.
- 3.The contractor is fully responsible for watch and ward of the material at site of work and nothing shall be paid extra for this purpose.
4. The work should be done to the entire satisfaction of the Engineer-in-charge .
5. Gurantee Period for 12 months .

Executive Engineer,
Jal Skakti Divn., Nalagarh.

Schedule of quantity

Name of Work : -Restoration of rain damages of FIS Pounji Chaskar Kuhl in Tehsil Ramshehar Distt. Solan (SH:- (SH: Removal of slip, clearing of Jungle, Providing and laying HDPE pipe and construction of Retaining wall for protection of Kuhl)

Estimate amount :- Rs. **248054.00** /-only
 Earnest Money :- Rs. **4970.00** /-only
 Time : Three Months

Sr. No.	Description of work	No.or Qty.	Unit	RATE		AMOUNT	
				Figures	Words	Rs.	P
1.00	Excavation in earth work and filling in 15 cm. layers in foundation and plinths including ramming, watering and consolidating upto a lead of 20 metres and lift upto a 1.5 metres. Spade and jumper work 50%.	29.25	Cum	Per Cum			
2.00	Removal of slips in all kinds of soil (including saturated soil but excluding boulders and rocky portion requiring blasting upto a distance of 20 metres disposing of un-serviceable materials, stacking serviceable materials and neatly dressing the surface.	47.83	Cum	Per Cum			
1.00	Excavation in foundation trenches etc. in all kinds of soil such as pick work, jumper work blasting work in soft or hard rock or by cum chiselling soft/ hard rock where blasting is prohibited in all leads and lifts including trimming and dewatering where ever required dressing of sides and bed stacking the excavated soil clear from the edge of excavaton and then returning the excavated soil after completion of work in 15cm layers when required into plinths, side of foundation etc. Consolidating each deposited layers by remming and watering and then disposing of all surplus excavated earth as direction within a lead of 20 mtrs. pick jumper work 50% each as per direction and to the entire satisfaction of Engineer-in-Charge upto all lead and lifts.	5.76	Cum	Per Cum			
3.00	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish including centring, shuttering strutting and propping etc. with wooden batten and ballies, in all heights of propping and centring below supporting floor to ceiling upto all height and removal of the same for insitu-reinforced concrete and plain concrete work in :-						
3.10	Vertical surfaces such as wall (any thickness) partitions and the like including attached pillasters, buttresses plinth and string courses and the like in all leads and lifts as per direction and to the entire satisfaction of Engineer-in-charge.	43.06	Sqm	Per Sqm			
4.00	Providing and laying cement concrete 1:6:12 (1 cement :6 sand :12 graded stone agg. 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth in all lead and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	1.32	Cum	Per Cum			
5.00	Clearing of jungle including uprooting of rank vegetation, grass brushwood trees and saplings of girth upto 30 cm measured at a height of 1 meter above ground and removal of rubbish upto a distance of 20 metres outside the periphery of area cleared.	450.00	Sqm	Per Sqm.			
6.00	Providing and laying foling dia HDPE pipe grade PE-80 high density pipe pressure rating PN-4.00, minimum thickness not less than 4.90 mm conforming to IS 4984-1995 complete with fitting. as directed by Engineer- in - charge.						
6.10	225 mm dia PE-80 PN-4.00	65.00	Rmt	Per Rmt.			
7.00	Providing and laying cement concrete work 1:2:4(1 cement :2 sand :4 graded stone agg. 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth with all leads and lifts as per direction of Engineer in charge .	4.59	Cum	Per Cum			

8.00	Placing of Tor steel reinforcement for RCC work including bending binding and placing in position including wire upto all floor level as per direction and to the entire satisfaction of Engineer-in-Charge. (Labour rate)	183.60	Kg	Per Kg.			
9.00	Prov.and lying cement concrete 1:5:10 (1Cement: 5Sand: 10 Graded stone agg.40mm nominal size) with 15% plum & curing complete excluding cost of form work and cement in retaining Walls/ Breast Walls , the size of plums shall usually be 150mm to 300mm as per HPPWD specification.	15.00	Cum	Per Cum			
Total in Figures							
Total in Words							#NAME?

TERMS AND CONDITIONS :-

1. The work will be got executed as per IPH specifications.
2. Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable.
- 3.The contractor is fully responsible for watch and ward of the material at site of work.
4. Nothing shall be paid for rejected work/material.
- 5.Although Cement, GI pipe & steel will be issued free of cost from Divisional store Nalagarh, but in case of loss or theft from the custody of contractor the same shall be recovered at double the store issue rates which are as under:-
 - i) Cement @ Rs. 255/-per bag.
 - ii) Reinforcement Steel @ Rs. 3890/- Per Qtl.

Executive
Engineer,
Jal Shakti Divn., Nalagarh.

DRAFT SCHEDULE OF QUANTITY

Name of work :-Retrofitting and Improvement of GWSS Behli Baunta under JJM in Tehsil Nalagarh District Solan (HP)
(SH:-Providing and Installation of FHTC for balance house 30 Nos ,construction of Main storage tank at Node-1 & construction of Intake chamber)

Estimated Cost :- Rs. **362182.00** /-only
Earnest Money :- Rs. **7245.00** /-only
Time : Three Months

SCHEDULE OF WORKS

Sl. No.	Description of work	No.or Qty.	Unit	RATES		AMOUNT	
				Figures	Words	Rs.	P
1.00	Excavation in foundation trenches etc. in all kinds of soil such as pick work,jumper work blasting work in soft or hard rock or by cum chiselling soft/ hard rock where blasting is prohibited in all leads and lif-ts including trimming and dewatering where ever required dressing of sides and bed stacking the excavated soil clear from the edge of excavaton and then returning the excavated soil after completion of work in 15cm layers when required into plinths, side of foundation etc. Consolidating each deposited layers by remming and watering and then disposing of all surplus excavated earth as direction within a lead of 20 mtrs. pick jumper work 50% each as per direction and to the entire satisfaction of Engineer-in-Charge upto all lead and lifts.	17.82	Cum	Per Cum			
2.00	Excavation in drains and channels etc. in all kinds of soil such as pick work, jumper work, blasting, soft and hard rock and through conglomerate rock upto all lelads and lifts stacking the excavated soil not more than 3 meters clear from the edge of excavation and then returning the stacked soil in trenches consolidatig each deposited layers by ramming and watering and then disposing of all surlus excavated material within all leads and lifts and like as directed by the Engineer-in-Charge including jungle clearance.	270.00	Cum	Per Cum			
3.00	Providing and Installation of house connections with 15 mm dia G.I. pipe (Light class) including G.I. union 15 mm dia,G.I. Ferule 15 mm dia,G.I. Elbow 15 mm dia ,G.I. Socket 15 mm dia ,G.I. Tee 15x15 mm dia & 15 mm dia brass bib tap .(Excavation in trenches to be measured and paid for seprately and the GMS pipe will be issued free of cost from IPH store Nalagarh	30.00	No	Each			
4.00	Providing and laying cement concrete 1:4:8 (1 cement :4 sand :8 graded stone agg. 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth in all lead and lifts as per the direction and to the entire satisfaction of Engineer-in-Charge.	2.79	Cum	Per Cum			
5.00	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish including centring, shuttering strutting and propping etc. with wooden batten and ballies, in all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for insitu-reinforced concrete and plain concrete work in :-						
5.10	Vertical surfaces such as wall (any thickness) partitions and the like including attached pillasters, buttresses plinth and string courses and the like in all leads and lifts as per direction and to the entire satisfaction of Engineer-in-charge.	82.96	Sqmt.	Per Sqmt.			
5.20	In flat surfaces with steel plates such as soffits of suspended floors, roofs, landing and the like floor etc upto all thickness in all leads and lifts as per direction and to the entire satisfaction of Engineer-in-charge.	48.80	Sqmt	Per Sqmt.			
6.00	Providing and laying cement concrete 1 : 1½ : 3 mix. (1 cement : 1½ : sand : 3 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in :						

6.10	Foundation footings bases of columns and the like; and mass concrete as per direction and to the entire satisfaction of Engineer-in-Charge.	3.60	cum	Per cum.			
6.20	Walls any thickness but not less than 0.1m thickness including attached pillar buttresses, plinth and string courses from top of foundation upto two level all floor level as per direction and to the entire satisfaction of Engineer-in-Charge.	6.51	cum	Per cum.			
7.00	Providing and laying cement concrete work 1:2:4 (1 cement :2 sand :4 graded stone agg. 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-						
7.10	Suspended floor roofs, landing, shelves and their supports balconies beams, girders, bressumers and cantilevers upto two level all floor level in all leads and lifts as per direction and to the entire satisfaction of Engineer-in-charge.	1.86	cum.	Per cum.			
8.00	Placing of Tor steel reinforcement for RCC work including bending binding and placing in position including wire upto all floor level as per direction and to the entire satisfaction of Engineer-in-Charge. (Labour rate)	1087.01	Kg	Per Kg.			
9.00	Providing and fixing MS sheet manhole cover of 600 mm X 600 mm to existing storage tank made of angle iron 30 mm X 30 mm X 4mm base plate and man hole frame angle iron 25 X 25X 4 mm with MS sheet 2 mm thik including cutting welding , red lead paint, locking arrangement with lock complete as per the direction and satisfaction of Engineer - in -Charge.	2.00	No	Each.			
10.00	Laying and jointing & testing of G.I pipe for outlets pipe scour pipe and over flow pipes etc. in all leads and lifts as per direction and to the entire satisfaction of Engineer-in-Charge.						
	50 mm dia	6.00	Rmt	Per Rmt			
11.00	Providing and fixing double flanged cast iron sluice valve of Kirloskar/ Leader make conforming to IS- 780 including rubber sheet and nut bolts including M.S Flange Table-5 as per 6392-1971 with welding of M.S.flanges in two layer on both faces including carriage of material complete of following internal dia.						
	50 mm dia PN 1.6	2.00	Nos	Each			
Total in Figures							
Total in Words							
TERMS AND CONDITIONS: -							

1. The work will be got executed as per IPH specifications.
2. Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable.
3. The contractor is fully responsible for watch and ward of the material at site of work.
4. Nothing shall be paid for rejected work/material.
5. Although Cement, GI pipe & steel will be issued free of cost from Divisional store Nalagarh, but in case of loss or theft from the custody of contractor the same shall be recovered at double the store issue rates which are as under:-
 - i) Cement @ Rs. 255/- per bag.
 - ii) Reinforcement Steel @ Rs. 3890/- Per Qtl.
 - iii) G.I. pipe 20 mm dia @ 108 /-, 25 mm dia @ 148 /- and 32 mm dia @ 195 /- per mtr respectively.

Executive
Engineer,
Jal Shakti Divn., Nalagarh.

SCHEDULE OF QUANTITY

Name of work :-Retrofitting and Improvement of GWSS Behli Baunta under JJM in Tehsil Ramshehar District Solan (HP)
(SH:- Laying jointing,testing and commissioning of GMS pipe of various dia in distribution system)

Estimated Cost :- Rs. **363752.00** /-only
Earnest Money :- Rs. **7275.00** /-only
Time : Three Months

SCHEDULE OF WORKS							
Sl. No.	Description of work	No.or Qty.	Unit	RATES		AMOUNT	
				Figures	Words	Rs.	P
1.00	Excavation in drains and channels etc. in all kinds of soil such as pick work, jumper work, blasting, soft and hard rock and through conglomerate rock upto all leads and lifts stacking the excavated soil not more than 3 meters clear from the edge of excavation and then returning the stacked soil in trenches consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated material within all leads and lifts and like as directed by the Engineer-in-Charge including jungle clearance.	640.78	Cum	Per Cum			
2.00	Laying, jointing and testing in trenches galvanised mild steel tube of Light grade complete including providing and fixing tube fitting such as union, tees, socket etc (excluding cost of bends and valves) for the following dia as per direction and to the entire satisfaction of Engineer-in-charge.						
2.10	20 mm dia (Light grade)	2100.00	Rmt.	Per Rmt			
2.20	32 mm dia (Light grade)	1950.00	Rmt.	Per Rmt			
3.00	Providing and fixing Gun Metal wheel valve of following dia screwed type as per ISI.778-ISI. Marked complete in all respect as per direction and to the entire satisfactiopl of Engineer-in-Charge..						
3.10	15 mm dia	6.00	No	Each			
3.20	20 mm dia	6.00	No	Each			
3.30	25 mm dia	8.00	No	Each			
3.40	32 mm dia	8.00	No	Each			
3.50	40 mm dia	5.00	No	Each			
3.60	50 mm dia	5.00	No	Each			
Total in Figures							
Total in Words							#NAME?

TERMS AND CONDITIONS: -

- The work will be got executed as per IPH specifications.
- Security, GST, income tax, labour cess and other statutory deduction will be deducted as applicable.
- The contractor is fully responsible for watch and ward of the material at site of work.
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 - G.I.pipe 20 mm dia @ 108 /-, 25 mm dia @ 148 /- and 32 mm dia @ 195 /- per mtr respectively.

Executive
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Jal Shakti Divn., Nalagarh.