

### SCHEDULE OF QUANTITY

Name of work: R/M of Water Supply Scheme Solan Town from Giri River  
(SH:- Operation and maintenance of Raw water pumping stage at Gaura) in Tehsil & District Solan  
(For 6 months )

Estimated Cost Rs:- 283887/-  
Estimated Cost Rs:- 5680/-  
Time:- 6 months.

Sr. No.	Description of item	Qty	Rate	Unit.	Amount
			In fig.	In words.	
1	Operation and maintenance(except major repair of pumps, rewinding of motors and replacement of mechanical seal) of 3 Nos 85HP pump/motor (submersible) installed at Raw water stage at Gaura for DWSS Solan Town including all repair time to time such as painting of equipments and replacement of M. oil at regular intervals for a period of six months. The cost of operation and maintenance shall include deployment of adequate staff i.e. pump operators, Helper, Beldar, Chowkidar, Supervisor, Electrician and the visit of expert Electrical/Mechanical Engineers of original manufacturer/contractors owned for periodical maintenance for atleast once in a month. The offer shall include cost of maintenance and repair of electrical and mechanical equipments (except for replacement of major equipments as a whole) various control valves, reflux valves, common header, suction stainer, water level indicator system, all electrical panels etc. The firm shall provide general consumable materials, like florescent tubes, indicating lamps, cleaning materials, gaskets of required size and pressure rating lubricating materials i.e. oil, grease and spare parts etc. The offer shall be subject to all the terms and conditions given in the NIT. The firm shall service the equipments strictly as per the O&M manual of the manufacturers. It shall include all type of maintenance of raw water stage of WSS Solan Town from Giri River.	1.00		P/Job	

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**Total**

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### Terms and Conditions

- 1 The Contractor/firm/his employee to be deployed should have a valid Electrical License for handling of Raw water pumping machinery which needs to be enclosed with the tender.
- 2 The O&M period shall be reckoned from \_\_\_
- 3 If the performance of the firm is not satisfactory and the raw water pumping stage remain shut down for a period of more than 4 hours due to failure of timely repair to Pumping Machinery, the work may be rescinded and the same shall be got carried out on the risk and cost of the firm.

- 4 The contractor shall depute the following staff for O&M of Raw water pumping machinery for six months.
  - a. Pump Operator = 3 Nos
  - b. Helper = 3 Nos
  - c. Electrician:- Y2 Nos.
- 5 The contractor shall be responsible for workmen compensation of workers deputed at site of work for any casualty and he should abide by the labour laws of the State and shall be solely responsible for its violation.
- 6 No T &P shall be provided by the department for O&M and repair purposes.
- 7 The contractor/firm shall have to arrange visits of Electrical/Mechanical Engineers of their own/original manufacturer for periodic inspection of raw water pumping machinery /panels once in a month.
- 8 The contractor shall make all necessary arrangements for repair of raw water pumps, motors, and other allied equipments etc. at site or at manufacturer's works, during the operation and maintenance period as directed by the Engineer-in- charge.
- 9 If the plant remains un-operational due to lack of repairs on the part of the Firm, then a penalty @ Rs.500/- per hour shall be charged after 4 (four) hours of stoppage of plant from him.
- 10 The O&M staff of contractor/firm shall have to maintain log books of Raw water pumping machinery on Performa provided by the Department.
- 11 The contractor /firm shall be responsible for proper house keeping of raw water stage during all time for six months after award of work.
- 12 The contractor shall have to arrange himself adequate tools and plants required for operation and maintenance including carriage upto raw water stage.
- 13 The contractor/firm shall be responsible for undertaking all kinds of repairs, if any to electrical and mechanical equipment including preventive maintenance- The contractor shall engage experienced vendor for maintenance of equipment.
- 14 The contractor /firm will submit the weekly report on performance of machinery on the Performa supplied by the department.
- 15 The contractor /firm will not be allowed to sublet the work after award of work, failing which the agreement shall be terminated immediately and security deposit will be forfeited.
- 16 The contractor/firm will engage professionals who have requisite qualification /sufficient experience in O&M and repair of raw water pump and motors should be able to understand the advice of the department; the firm will submit name and qualification of such professionals so deployed to the office of the Engineer-In charge.
- 17 The firm/contractor must be registered with EPF Deptt. and shall must provide the Registration Number of the employees engaged to the department. The deposition of EPF will be firm/contractors responsibility

- 18 Repair work conducted at site of work should be recorded in the Log Book date wise and the dismantled material should be recorded in the dismantled item register issued by the department.
- 19 The visit of Electrical and mechanical Engineer be recorded ,in the log book with remarks of Engineers and should be attached with the bill for running payments.
- 20 The contractor will be responsible for painting of all equipments annually including epoxy painting wherever required.
- 21 The contract can be terminated by giving 3 months notice by the department. If the firm is unable to operate and maintain the plant as per satisfaction of Engineer In-charge, a panel fee @ 2% of amount put to tender shall be deducted from security of contractor as inconvenience charge and the raw water stage shall be operated and maintained at the risk and cost of the firm.
- 22 The contractor shall ensure that at the time of handing over the plant all mechanical and electrical machinery/equipment are in working order and fit condition.
- 23 Release of security shall be subject to satisfactory handing over the raw water stage back to the department,
- 24 The contractor/firm shall organize regular trainings and workshops for his staff in consultation with the IPH Department so that they are competent to trouble shoot any system failure.
- 25 Spare parts used for repair shall be of the original make and manufacturer's and Test certificate shall be supplied by the firm .
- 26 The work include repair /fitting of pumping machinery and allied accessories (excluding major repair of pump and rewinding of motor) including replacement of spare parts, such as mechanical seal, water seal, bearings, O rings, lubricant oil and grease, repair of panel board, repair of reflux valve. sluice valve, change of rubber gasket sheet, nuts and bolts, replacement of damaged cables, repair of panel board including fitting etc. complete in all respect excluding replacement of sluice valves and reflux valves.
- 27 The payment schedule:-  
The payment shall be made to the firm/contractor on monthly basis.
- 28 The contractor//firm will be eligible only if they have completed/executed /maintained similar nature of work before quoting the rates. Necessary certificate in this regard duly signed by concerned Executive Engineer is mandatory.

Executive Engineer,  
IPH Division ,Solán.

SCHEDULE OF QUANTITY

Name of work:- Stock storage

(SH:- C/O additional accomodation for Division office building Tehsil & Distt. Solan

(White washing and distempering work etc. )

Estimated cost Rs. 170294/-

Earnest money Rs. 3400/-

Time: Two months

Sr. No.	Description of item	Qty	Rate		Unit.	Amount
			In fig.	In words.		
1	Removing white wash or colour wash by steel wire brushing and/or scarping sand papering and perparing the wall surface smooth including necessary repairs to scarches complete in all respect.	455			P/Sqm	
2	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortor drops,dust,loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete in all respect as per direction of Engineer -in-charge .	1419			P/Sqm	
3	Finishing wall with apex water proofing cement paint of approved brand and manufacture & of required shade on undecorated wall surfaces (two coats) to give an even shade after throughly brushing the surface to remove all dirt & remains of loose powdered materials including entire carriage of material upto all leads and lifts.	664			P/Sqm	
4	Distempering(two coats) with oil bund washable distemper of approved brand and manufacture & of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after throughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even & sand papered smooth priming coat with distemper primer including entire carriage of material upto all leads and lifts.	781			P/Sqm	
5	Painting one coat (excluding priming coat) on new wood and wood based surfaces with enamel paint to give and even shade including cleaning of all of dirt,dust and other foreign matter sand papering & stoping. with enamel paint other than white as per the direction of Engineer-in-charge including entire carriage of material upto all leads & lifts .	580			P/Sqm	
6	Applying priming coat over steel and steel based surfaces after and including preparing the surface by throughly cleaning oil, grease, dirt and other foreign matter with ready mixed paint brushing wood primer pink including entire carriage of material upto all leads and lifts.	90			P/Sqm	
					<hr/> <b>Total:-</b> <hr/>	

TERMS AND CONDITIONS:-

- 1 The undersigned reserves the right to accept or reject any or all the tenders without assigning any reason thereof.
- 2 The work will be got executed as per IPH specification.
- 3 Security, GST and other statutory deductions will be made as applicable.
- 4 Nothing will be paid for sub-standard work/material.
- 5 Work shall be started within 15 days after the date of award and completed in stipulated period.

Executive Engineer,  
IPH Division Solan



