

## SCHEDULE OF QUANTITY

Estimated Cost: Rs.421335/-

Eanest Money: Rs.8500/-

Time : 1 year

Name of Work:- **Operation and maintainance of complete Pumping Machinery with allied accessories of LWSS Reog Himri in Tehsil Suni Distt. Shimla (HP).**

SN	Item of work/ Scope of work	Qty	Rate	Unit	Amount
1	Operation and maintainance of complete Pumping Machinery and its allied accessories of all stages including repair / replacement of spare parts required for the same for smooth running of the scheme for one year to the entire satisfaction of Engineer-in-charge.	1		Job	
<b>(A)</b>	<b>Pumping Machinery</b>	<b>Stage-I</b>	<b>Stage-II</b>		
i)	No. of stages :-	<b>2 Stages</b>			
ii)	Pump make :-	KSB	KSB		
iii)	Model :- WKFI 40/14	WKFI 40/14			
iv)	Total head :- 420.00 Mtr.	412.35 Mtr.			
v)	Discharge :-	3.72 LPS	3.75 LPS		
vi)	Motor HP (i/c 100% Stand-by) :-	2x 60 HP	2x 60 HP		
	<b>Total :-</b>				
	<b>(RS.:-</b>				
	<b>TERMS AND CONDITIONS:-</b>				
1	The following staff shall be deputed for running the scheme by the contractor:				
	<b>Sr No</b>	<b>Staff / Labour</b>	<b>Qualification</b>	<b>Capability / Experience n</b>	
	i)	Pump Operator	ITI Trained	Shall be capable to run and operate and rectify minor defects of P/Machinery	
	ii)	Helper	ITI Trained/ Matric	Shall be capable to run and operate P/Machinery independently.	
	iii)	Chowkidar	---	Responsible for watch and ward of Govt. Property.	

2	The contractor will be responsible for operation and maintenance including watch and ward of the scheme during the contract period.
3	The required discharge i.e 3.72 & 3.75 lps will be maintained by the contractor daily for 8 hours pumping through out the contract period at main delivery tank for further supply /distribution to the beneficiaries of the scheme @70 lpcd as well as to the public Hydrants.
4	The scheme will be handed over to the contractor as is where is basis in running condition.The contractor will hand over the scheme to the deptt after expiry of the contract in smooth running condition, failing, which penalty at double the amount of repair cost to bring the scheme in running condition shall be recovered from the contractor from his Performance Guarantee Bond or any amount /payment due to him from the department.
5	The agreement will remain operative for one years from the date of commencing of O&M , however, the contractual period can be increased or decreased keeping in view the performance of the contractor/agency. Also the contract can be terminated at any time by the Engineer-in-charge without assigning any reason, by giving notice of 15 days to the contractor / firm.
6	The contractor shall be responsible for maintaining sanitary conditions avoid pollution of water .
7	Contractor shall not carry out any ammendment or modifications to any accessories or equipments of scheme/ its components without approval of Engineer-In-Charge in writing.
8	The O & M staff of contractor/firm shall have to maintain log sheets of P/Machinery on proforma provided by the department and should be submitted to Engineer-in-Charge monthly.
9	The Contractor/firm shall be responsible for proper house keeping of plant and pump houses during entire contract period.
10	The contractor will not be allowed to sublet the work after award of work, failing which, the Agreement shall be terminated immediatly and security deposit will be forfeited including black listing of the firm/contract.
11	The firm / contractor must comply with prevailing EPF rules and maintain register showing number of the employees engaged on the scheme as per rule .
12	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 besides adhering to safety norms/Envoirement protection laws.
13	All the materials to be used for repair work or replaced shall confirm to the relevant I.S.I.specifications of approved brand /make and Manufacturerer's approved vendors and shall produce the bills /cash memo in support of genuineness of the same.

14	The dismantled material will belong to the contractor and Assistant Engineer, shall certify that the dismantled parts have been replaced with genuine parts and its proper account shall be maintained.
15	Notwithstanding any thing mentioned above, if any dispute arises regarding repair/ replacement of parts/ equipment of scheme etc. decision of the Assistant Engineer will be final and binding on the contractor.
16	All valves such as sluice valve, reflux valve, foot valve, non return valves fixed on the scheme will have to be kept operative without leakages and their oiling , greasing etc. be ensured from time to time.
17	Performance bond in shape of an unconditional bank guarantee of Nationalised bank amounting to 5% of awarded amount shall be executed by the firm/contractor in favour of Executive Engineer, IPH Division Suni within 15 days of issue of award letter (i.e before entering in to the arrangement). The department shall be at liberty to adjust appropriate amount or forfeit the full amount in case the above mentioned conditions are not strictly adhered to by the contractor/firm.
18	In case of the scheme remains out of order for more than 24 hrs a penalty @ 0.25% of the awarded amount will be charged for each day for first two days and at double rate for subsequent days. In case scheme is non-functional due to nonavailability of power, the matter should be brought to the knowledge of Assistant Engineer immediately by the
19	Deduction of Scurity , GST , Income tax , labour cess and other deduction as admissible shall be made from contractor bill.
20	Nothing will be paid for the period during which the scheme will remain out of the order due to fault of the contractor. In the event of contractor not providing stipulated service in the contract or in the extent of any damages occurring or being caused by him or in that event of any fault or failure in complying with any of the terms and conditions ,The a) Terminate the contract after 15 days notice. b) Recover and /or amount of loss caused by damage, failure or default as may be determined by the Engineer-In- c) impose and/or penalty not exceeding 10 % value of the contract. d) Forfeit and /or the security / performance guarantee.
21	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 directly to HPSEB .The contractor shall not use the. the electricity for any other purpose except for the bonafide use of the running /repair of the scheme.
22	No escalation on the quoted rate will be allowed under any circumstances.
23	The contractor/ firm shall submit copies of logbook, complaint register and attendance register at the time of submission of bills and no payment shall be made without production of above documents/records.

24	The site shall be inspected by the contractor/firms before submitting their offer right from source, treatment units, delivery tanks to distribution network . In case of any defect/ short-coming the same shall be brought to the notice of Engineer-In-Charge and suggest remedial measure to rectify the same, if required. The decision of the Engineer-In-Charge shall be final and binding in this regard.
25	If departmental vehicle will be deputed for carriage of machineries/ other materials by the contractor then it will be charged at the prevailing out turn rates of the vehicle and amount shall be deducted from the payments due / bills of the contractor.
26	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 Engineer-In-Charge.
27	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 fixtures of requisite voltage / wattage of approved brands which are energy efficient and environment friendly. The disposal of fused lamps /CFL etc. shall be done scientifically..

Executive Engineer,  
I&PH Division Suni