

DRAFT NOTICE INVITING TENDER

Name of Work :-Automation of LWSS Taloti Khatnol Tehsil Suni Distt. Shimla (H.P) (SH :-Providing ,fixing & testing of .Automation system /Soft Starter panel for automation of Centrifugal pumps (for 1st & 2nd stage of the scheme)

Estimated cost:-Rs. 504030/-
Earnest Money:-Rs. 10100.00
Time:- 1 Year

Sr.No.	Description of item.	Qty.		Rates		Unit	Amount
				In fig.	In Words.		
1) a	Providing, fixing & testing of micoprocessor based .Automation system / Starter of of reputed Make approved by I&PH Department suitable for operation in 360-440 VAC, 3 phase ambient temperature of 25 Deg Cen. Ram up time 0-20 second with all connections needed to make motor pump run sucessfully. The Automation system /Soft Starter should be offered with cabinet including panel board with accessories of reputed make aproved by I&PH Department with ammeter,volt meter, push button & single phase preventor and controller for automatic reset for all tripping (like over voltage,under voltage,over load & short circuit etc.) with level sensors for tank up & down water level, complete in all respects. The automation system should make the motor and pump run automatically. as per parameters in ANNEX-1 attached for the pumping Machinery as under.	2.00	Sets				
	Pumping machinery Stage 1st						
	Stage 2nd						
	i) No. of stages = 2 Stage						
	ii) Location of Pump house near Thaila Bridge near Jawahar Nagar						
	iii) Pump Make KSB						
	iv) Modal WKF 1040/016 WKF1040/016						
	v) Total head 463 Mtrs. 472 Mtrs.						
	vi) HP 75 HP						
b	Prov.& Fixing buik meter on the delivery side of the main storage tank so as to measure total quantity of water lifted per day in each stage.	1.00	No.				
c	Prov.& Fixing hour run meter to measure total runing hours of the pump/motors.	1.00	No.				

2	Running maintenance of Scheme including with automition a,b,c, and including repair and maintenance of the existing Centrifugal / Submersible pump sets and its allied accessories including replacement of any spare parts oil and grese lubricants glands etc. required for smooth running of scheme and maintenance of Rising main inculiding all appurtenances contingent there to including repair and Pannel board, pressure gauges, voltmeter, ammeter, starter, providing and fixing pipe fitting and control valve of different size of approved brand/ make etc.including replacement of any device/ wire cable etc. to the entire satisfaction of Engineer-in-Charge. for a period of three years.						
		3829	Kilo ltrs.				
						Total Rs.	
1	The Pumping machinery, Rising main and the Pump houses will be handed over to the contractor on 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 any amount /payment due to him from the department.						
2	The agreement will remain operative for 3 years from the date of commencing of O&M , however, the contractual period can be increased/decreased keeping in view the performance of the contractor/agency with mutual consent.						
3	The contractor will be responsible for operation and maintenance including watch and ward of Pumping machinery, Rising main and pump houses of the scheme during the contract period.						
4	The contractor shall be responsible for maintaining sanitary conditions in and around Pump house to avoid pollution of water besides adequate locking arrangement to avoid entry of unscrupulous elements/ stray animals etc to avoid any untoward incidents.						
5	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.						
6	Contractor will ensure the lifting of potable water under the scheme to the beneficiaries as per department norms. With at least 8 hours pumping or more as per direction of Engineer in Charge.						
7	The Pumping machinery, Rising main and Pump houses will be well maintained by the contractor including its periodic cleaning/ disinfection as per direction/instructions of Engineer-in-charge to his satisfaction.						
8	No T& P shall be provided by the department for O&M purposes . The contractor shall have to arrange himself adequate tools and plants required for smooth O&M of pumping Machinery strictly as per Manufacturer's/ vendors O&M Manual.						
9	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.						
10	The contractor 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 including black listing of the firm/contractor.						
11	The contract can be terminated by giving one month notice by the Department, if the firm is unable to operate and maintain the plant/scheme as per satisfaction of Engineer-in-Charge, penalty as inconvenience charges @ 2% of amount put to tender shall be deducted from security or any payment due to the contractor and the						
12	The Contractor shall depute the staff per shift for O&M of pumping machinery and allied accessories at each stage strictly including distribution of water and proper duty roster shall be evolved and got approved from the Engineer-In-Charge & same should be displayed at pump house at nodal points under the guidance/ instructions of						
13	The firm / contractor must comply with prevailing EPF rules and maintain register showing number of the employees engaged on the scheme as per norms.						

14	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/Environment protection laws.
15	The contractor /firm will engage professionals who have requisite qualifications /sufficient experience in O&M of pumping machinery and should be able to understand the advice of the Department either in English or Hindi. The firm will submit Name & Qualification of such professionals,so deployed to the office of the Engineer -in- Charge.
16	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.
17	Not withstanding any thing mentioned above, if any dispute arrises regarding repair/ replacement of parts/ equipment of scheme etc.decision of the Assistant Engineer will be final and binding on the contractor.
18	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.
19	If the scheme remains out of order continuously for more than two days and fifteen days in a year due to contractor's negligence, the penalty @ Rs. 5000 per day will be charged from the contractor. Electrical or Mechanical fault will be made good with in 24 hours. The leakage/breakage in Rising main shall be repaired immediately as and
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 service in the contract or in the extent of any damages occuring or being caused by him or in the event of any default or failure in complying with any of the terms and
	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 exceeeding 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 pouse) 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.
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 installed by the contractor as mentioned in Item No. (a) & (b) and will be submitted by the contractor,otherwise no payment will be made to the contractor or and deductions
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 information be supplied to Executive Engineer invariably.
	(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 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.
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 Engineer-In-Charge.
28	The arrangement of lights inside or outside of pump house and its maintenance has to be ensured by the contractor by providiong lamp, tubes and CFL alongwith fixtures of requisite voltage / wattage of approved brands which are energy efficient and enviroinment friendly. The disposal of fused lamps /CFL etc. shall done scientifically..

Executive Engineer,
I&PH Division,Suni,
Distt Shimla H.P.