

SCHEDULE OF QUANTITY

Name of Work :- A/R & M/O LWSS to various villages for dried up sources by Larji Hydro Electric Project Tehsil Sadar Distt Mandi (HP).	Estimated Cost:- Rs. 277908/- only
(S.H :- Operation, Running, Repair and Maintenance of Pumping Machinery and Rising Main upto Main Storage Tank complete in all respect for 3 Months).	Earnest Money:- 5600 /- only
	Time Limit:- Three Months.

S.No	Description of items.	Quantity.		Rates.		Unit.	Amount.
				In fig.	In Words.		
	Operation, maintenance and repair of pumping machinery of following description including electrical/ mechanical accessories, rising main and filter units complete in all respects by deploying reputed qualified skilled/unskilled labour. The scope of work include all minor and major repair of pumping machinery, electrical/mechanical accessories, filter units, rising main. It also include cost of all consumable such as chemical, oil greese and watch and word of pump house during night hours as per direction and to the entire satisfaction of Engineer-in-Charge.	1	Job			Per Job	
	Description of Pumping Machinery Installed						
		1 st Stage	2 nd Stage				
	Pump specifications Make:-	KSB	Mather & Platt				
	Model	NL 80-6	RN 50A x 12-CHR				
	Discharge:-	64.80 cum/Hour	33.69 cum/Hour				
	Head:-	306.00 Mtr	311.00 Mtr				
	Motor specifications make:-	KIRLOSKAR	Kirloskar				
	KW/BHP:-	90.00/125.00 HP	55.00/75.00				
	RPM:-	2900 RPM	2900 RPM				
	Dia of Rising Main:-	200 mm	150mm				
	Length of Rising Main	1470 Rmt	1290 Rmt				
	Pumping Hours:- (min 8 Hours but can be exceeded to meet the requirements of beneficiaries)	8 Hrs.	8 Hrs.				

	Slow Sand filter bed	Four Units				
	Area	488.00 Sqm				

Terms and Conditions.

- 1 Income tax and sale tax shall be deducted as per rules.
- 2 Work shall be done as per specifications and to the entire satisfaction of the Engineer-in-Charge.
- 3 Period of agreement shall be 3 months.
- 4 Standby arrangement shall be made while carrying out repairs to ensure availability of potable water to all the consumers of the scheme.
- 5 Unserviceable material received after repair shall be handed over to the Engineer-in-Charge.
- 6 The contractor shall maintain daily diary which shall indicate the water supply level lifted upto main storage tank and log book at every pump house. Payment will be made on the production of the daily water supply level dairy and logbook.
- 7 The number of private/public tap can be increased during the period and contractor shall not charge any thing extra for it.
- 8 The energy charges on account of running of pumping machinery and lighting arrangement in the pump house shall be made by the Engineer-in-Charge directly to HPSEB. However the contractor shall not use the electricity for any other purpose except for the bonafide use of the running and repair of scheme.
- 9 The contractor shall be fully responsible for proper upkeep of machinery and the water supply scheme. In case the repair and maintenance of the machinery guidelines of the department specifications / manufacturers manual shall be followed. In case any part is required to be replaced , only ISI marked or original part from the manufacturers shall be used. In case of any deviation from above prior written permission shall have to be obtained from the Engineer-in-Charge.
- 10 The firm / contractor shall engage all skilled /unskilled labour for the smooth running of Pumping machinery including person responsible for watch and ward of pump house and all its fittings including pumping machinery. The copy of appointments made of skilled/un-skilled labour for Operation and maintenance shall be supplied to the department by the contractor/firm.
- 11 The scheme shall be run for pumping water un-interrupted for minimum 8 hours daily with both pump set alternatively or as much required to fulfil the daily water requirement of beneficiaries. The penalty for non running of both pumps shall be as under.
 - (a) @1% per day of the awarded amount for the specific year for R/M for First 24 hours.
 - (b). @2% per day of the awarded amount for the specific year for R/M for next 24 hours.
 - (c) @5% per day of the awarded amount for the specific year for the R/M for the rest of period.
- 12 The contractor shall hand over the scheme to the deptt. after expiry of contract period in smooth running condition.
- 13 Security and all other deductions shall be made as per rules of the department.
- 14 Required discharge as per NIT shall be maintained by the contractor through out the contract period at delivery point.
- 14 Contract period can be increased or decreased at the discretion of the department.
- 16 No escalation shall be allowed under any circumstances.

- 17 All the material to be used for repair work/replacement shall be as per manufacture's recommendation/approved makes of department/BIS marked to the entire satisfaction of the Engineer-in-charge. In case of any deviation from the above prior written permission shall have to be obtained from Engineer-in-charge.
- 18 The pump sets motor and electric equipments repaired by the contractor/firm shall be guaranteed for one year after expiry of contract period.
- 19 Notwithstanding any thing mentioned above if any dispute arises regarding repair/replacement of parts/equipments etc decision of the Engineer-in-Charge will be final.
- 20 All valves such as sluice, reflux, foot valve fixed in pump house have to be kept operative with out any leakage.
- 21 If departmental vehicle is deputed for carriage of equipment to work shop, it shall be charged at the out turn rate.
- 22 The premises of the pump house shall be kept open for inspection by any departmental officer/officials.
- 23 The copy of appointments made of skilled/unskilled labour for operation and maintenance of scheme shall be supplied to the department by the contractor/firm.
- 24 If the scheme remains in operative continuously for three days the contract shall be deemed to be cancelled and performance guarantee, security etc will be forfeited.
- 25 Nothing shall be paid for those period during which the scheme will remain out of order due to fault of the contractor.
- 26 The dismantled material shall be property of the department.
- 27 The contractor shall not carryout any amendment or modifications to any accessories of equipments without approval of Engineer-in-Charge.
- 28 The contractor/Firm will ensure that the sources of the schemes are kept aesthetically good and free from all pollutants.
- 28 The contractor / firm will ensure that all the treatment units (if any) are run at optimum level and give desired results as per provision of relevent IS code and specifications. The contractor/ Firm will get the water samples of raw & treated water tested twice in a month from departmental laboratory at Mandi.
- 30 The scope of the tender includes all the works contingent to the supply of uninterrupted potable water to the consumers from source to consumer points and upkeeping all the departmental assets in original condition as were during the taking over from department.
- 31 In the event of non- compliance of above conditions, the department reserves the right to terminate the contract at any point of time and without assigning any reason.
- 32 The firm/contractor will be deploy the required number of skilled/unskilled man power as per approved norms taken in the estimate and will supply the list along with their telephone numbers with in a period of one month to this office.
- 33 1% Labour cess will be deducted from the contractor.
- 34 GST as applicable shall be born by the contractor.

**Executive Engineer,
IPH Division Mandi.**