

Name of work: _Construction of 10 No. Tubewells in Nalagarh area
(SH: Supply and erection of submersible Pumping Machinery with allied accessories for Tubewell Plasra)

TERMS AND CONDITIONS.

- 1 The firm shall forward a copy of supply order /indent placed by it, for the supply of pumps and motors to 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 **assuction** 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 at 55Kms from Nalagarh is situated at Nalagarh – Jainagar road of village Maloun. 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
- 30 A firm or a person who has not done any work of providing & fixing of pumping machinery shall not be allowed to quote for work even if he has been authorized for any particular work by authorized dealer.

Executive Engineer,

IPH Divn.Nalagarh,

Distt. Solan (HP).