

**Name of work:- Boring of two number tubewell's i/c supplying & installation of submersible pumpset at IGNOU Campus Maidan Garhi, New Delhi**

**SPECIFICATION & SPECIAL CONDITIONS:**

1. Unless otherwise stated the work shall be carried out in accordance with CPWD/specification/ISI specification No. 2800/1964 amended upto date.
2. The work to be executed under this contract will be subjected to inspection by the departmental officers. Any defect in workmanship quality of material used shall have to be rectified by the contractor at his own cost and in case contractor fails to do so, it will be got rectified through any other agency or by the department at the risk and cost of the contractor.
3. Before quoting the contractor shall inspect the site of work, site conditions, approaches etc. If any extra approach is required for taking DTH Rig to the proposed location of tubewell it shall be made by the contractor within the tendered cost and nothing extra shall be paid on this account. The tubewells are proposed to be dug at IGNOU Campus, Midan Garhi New Delhi and final decision of location will be taken at the time of award of work.
4. The quantities shown in the Schedule are tentative and subject to variation depending upon the ground and water condition. The payment shall be made to the agency as per actual work done.
5. The drilling in all kind of soil, moorum and rock etc is to be done by DTH Rotary Drilling machine capable of drilling at least upto 200 meters deep bore by using 1100 CFM/400 PSI machine.
6. Nothing extra shall be paid to the contractor for any special devices for drilling, erection or dismantling of machine/equipment and for carriage of pipe etc used in boring work. The rates quoted by the contractor shall be inclusive of shifting erecting and dismantling of equipments at site. Hire charges of any special equipment used in drilling operations shall be the responsibility of the contractor.
7. The sample for different strata should be taken at every 5 mtr or earlier in case of change of strata. These should be dried and kept in cloth or polythene bag which should be labeled, arranged neatly indicating the depth range of the strata sample. The strata sample of tubewells should be kept in wooden box and handed over to the Engineer Incharge.
8. Water samples of tubewells drilled are to be got tested from Delhi Jal Board or any other Govt. approved laboratory. The testing charges of the samples shall be born by the contractor and nothing extra shall be paid on this account.
9. The rate of all items for work shall unless clearly specified otherwise include the cost of all labour, material and other input involved in the execution of work i/c taxes & duties.

10. If the bore hole collapses or get spoiled due to any reasons, the same shall be the responsibility of the contractor and nothing extra shall be paid for rewashing/reboring of the bore holes.
11. The pipe assembly which is to be lowered in the well after the boring is completed shall be got approved from the Engineer Incharge. Strata chart is to be prepared by the contractor and got approved by the Engineer Incharge before the lowering of pipe assembly.
12. The contractor shall remove the malba from the site of work as directed by the Engineer Incharge without extra payment.
13. Water and electricity shall have to be arranged by the contractor at site for carrying out the work and no extra payment for the same shall be made by the university.
14. Development of tubewells shall be carried out with the help of heavy duty Air-compressor of capacity 1100 CFM/400 PSI or DTH cum Rotary Rig machine. Record of the working of the Air-compressor for the purpose will be maintained by the Engineer Incharge which shall be duly signed by the contractor or his representative. These hours will only from the basis of payment.
15. The well cap to be provided on 200mm dia nominal bore pipe at the top of assembly plate having proper locking arrangement.
16. The pea Gravel to be supplied and shrouded in the tubewell should be well ground round or oval in shape and should be between 3mm to 8mm size.
17. The challan of pumpsets, pipes along with Guarantee Cards shall be submitted to the department.

Executive Engineer (C)