

SCHEDULE OF WORK

NAME OF WORK: M/O Completed/closed scheme at Dwarka ^{Zone} SH: A/R/M/O of clear water booster p/set, sub. p/set & D.G. Set, at 468 SFS DUs pkt-I, sector-9 Dwarka ph-I

S.No.	Description of Item	Qty	Rate	Unit	Amount
1.	Operation of pump/D.G set as per inventory and terms and conditions attached.	1 Job for 12 months		P/Month	
2.	Supply and replacement of following items				
a	HPSV lamp 70 watt	4 Nos		Each	
b.	Copper wound polyster filled ballast 70 watt	2 Nos		Each	
3.	Supply and replacement of 12 Volt 17 plate 120 AH Battery i/c initial charging connection, testing etc. as read.	1 No		Each	

Executive Engineer
Elect. Division No. 3
B. D. A.

(2)

INVENTORY

PART-A

1. BOOSTER PUMP
 - a. 25HP centrifugal pump set 2Nos
 - b. 5HP vaccum pump set for priming of above p/set 1No
 - c. Dewatering p/set 2HP 1No
 - d. Control panel comprising of changeover TP&N switches, starters, MCBs & allied accessories necessary for operating above pump sets
2. DETAIL OF VALVES
 - a. Sluice valve with non rising spindle CI double flanged(suction side) 150mm dia 2Nos
 - b. Sluice valve C.I. double flanged (Delivery side) 100mm dia 2Nos
 - c. Non return valve C.I. double flange (Delivery side) 100mm dia 2Nos
 - d. C.I. foot valve 150mm dia 2 Nos

PART-B

1. SUBMERSIBLE PUMP SETS
 - a. 5HP submersible pump set 2Nos (1 in each p/house)
 - b. Control panel comprising of TP&N switch DOL starter MCBs & allied accessories necessary for operation of submersible p/set 2No (-do-)

PART-C

1. D.G SET
 - a. capacity 40KVA 1set
 - b. control panel comprising of changeover isolator ammeter voltmeter and other necessary accessories for operation of above DG set

PART-D

- a. Water level indicator 10 levels 1set

PART-E

1. INTERNAL ELECTRICAL INSTALLATIONS
 - a. Light points fan points, Exhaust fan points with exhaust fan, tube fittings, bulbs, ceiling fans HP5V fittings 20 Nos



Executive Engineer(E)/ED.5

6
A-7 CONDITIONS

The work comprises of running and operation of pump sets, D.G.set and General lighting as per the inventory attached.

2. The contractor shall depute the following staff under the contract.
 - a) Operator ~~3~~ Nos., one in each shift i.e. from 6 A.M. to 2 P.M. and from 2 P.M. to 10 P.M.
2 10 PM to 6 AM
 - b) Wireman Grade-1 shall attend the site of work between 9 AM to 5 P.M. at least once in a fortnight and as and when required.
3. The contractor shall employ trained and competent staff to the satisfaction of Engineer-in-Charge having two years experience on operation of pump/D.G.set.
4. The contractor shall supply the list of staff along with experience certificate to be engaged on the installation within 7 days of award of work. Engineer-in-charge shall have the right to reject any staff employed by the contractor.
5. The staff employed by the contractor shall wear proper uniform and wear badges displaying their names and designation. The staff shall also be given photo identity cards by the contractor displaying their name, father's name, address, date of birth, name of the agency with address and telephone No., site for which employed and period of validity. A copy of the identity cards shall be given to the Engineer-in-charge within 15 days of award of work.
6. The contractor shall employ staff throughout the period of contract including Saturdays, Sundays, Gazetted holidays and National holidays.
7. Following records are to be kept at site of work.
 - a) Printed log book for recording operation.
 - b) Attendance register for staff deployed.
 - c) Complaint / Inspection register.Note: The contractor shall get the registers authenticated from Engineer-in-charge before use at site.
8. The following minor maintenance including preventive maintenance shall be carried out by the contractor. The details of work carried out shall be recorded in the log book:
 - a) Servicing and greasing of pumps/ Motors once in 3 months.
 - b) Replacement of rubber packing of valves and worn out nuts and bolts etc.
 - c) Replacement of gland dori as and when required.
 - d) Replacement of HRC fuses as and when required.
 - e) Replacement of Fl. Tubes, incandescent lamps and starters.
 - f) Adjustment, alignment /tightening of nuts and bolts as and when required.
 - g) Replacement of burnt out thimbles, wire terminals etc.
 - h) Top up of battery water.
 - i) Daily cleaning of equipments / pump house.Note: The material required for carrying out above jobs shall be supplied by the contractor Within quoted rates.
9. The D.G. set shall be operated in case of electricity failure or as and when desired by the Engineer-in-charge. However P.O.L. shall be supplied by the department
10. Co-ordination and follow up action with electric supply agency shall be done by the contractor in case of failure / fault in supply / fluctuation in voltage.

11. The contractor shall intimate the Engineer-in-charge about the major breakdown or failure of Electric supply in time.
12. Watch and ward shall be the responsibility of the contractor. Any loss due to theft or pilferage etc. shall be borne by the contractor.
13. The payment to the contractor shall be made bi-monthly or at other suitable intervals desired by the contractor but not less than one calendar month.
14. Proper handing/ taking over of all the installation shall be carried out by JE(E) in charge of the work and the contractor in writing immediately after award of work / before start of work
15. The Engineer-in-charge if so desire may extend the contract up to 2 months or terminate the Contract at any time after giving 15 days notice.
16. If any staff employed by the contractor is found absent on a particular time and date an amount proportionate to per shift shall be recovered from the contractor's bill.
17. All allied accessories / installations shall be kept in working order and in case any damages / loss is done to the pumping installations due to the negligence of the operational staff deployed by the contractor. The Contractor shall have to make good the damages/ loss at his own cost. In case the contractor fails to rectify the damages / loss within reasonable time, the same shall be got rectified/ replaced by the department at the risk and cost of the contractor.
18. The contractor shall keep all the necessary spares and T & P at site required for operation and maintenance to be carried under his contract.
19. In case of any disobedience or misbehavior by the operational staff of the contractor the Engineer-in-charge may ask the contractor to dispense with the services of such staff with immediate effect. The contractor shall provide suitable substitute simultaneously.
20. The rates quoted by the contractor shall be inclusive of all taxes, duties and Govt.levies etc.
21. Pumping installation shall be painted (excluding control panel) once during the contract period
22. Any injury to the operational staff in case of any mishap, during duty hours will be the liability of contractor.
23. The copper wound ballast, H.P.S.V. Lamp and Battery shall be of following make.
a) Ballast-----Philips / Bajaj / *Surya*
b) H.P.S.V. Lamp-----Philips / Bajaj / Osram / *Surya*
c) Battery-----Exide / Standard/Amco.
24. Dismantal Material shall be returned to the deptt. except Battery.


Executive Engineer
Elect. Division No. 3
B. D. A.