

REPLACEMENT OF CENTRIFUGAL PUMPS AT PUMP STATION LOCATED AT ST 24, G-13/2, ISLAMABAD.						
Sr.No	No	Description	Qty	Rate	Unit	Amount (Rs)
Non-Schedule Items						
Pump Set						
1	NS-01	Providing, Installing and Commissioning of 4 Nos Centrifugal Pumps Sets each having the following specs: 1) Flow Rate of 4 Cusec. 2) 60 Hp Motor (ABB/WEG) Minimum Class IE3 3) Pump (KSB/Grundfos) Cast Iron Body and Bronze Impeller 4) Soft Starter (ABB/WEG) Based MCU Scope: *Modification of existing suction and delivery manifolds to accommodate new flow parameters, including the provision and installation of Flexible Bellow, Gate Valves, Non-Return Valves, matching Reducers/Expanders, and Pressure Gauges. (Any modification/part required included) *Supply and installation of a Main Distribution Board (MDB), including the laying of Main Incoming Copper Cables from the Transformer to the MDB and secondary cabling from the MDB to individual pump units (properly sized for 60 HP load). *Execution of a dedicated Chemical/Copper Plate Earthing System for the MDB and all four pumping units to ensure equipment safety and neutral stability. *Careful dismantling and removal of existing pumping sets and outdated piping. Reconstruction of foundations RCC (1:2:4 MS Bars#6 & 6" c/c) including metal base plate tailored to the footprints of the new 4-cusec units. *The work includes all labor, materials, transportation, tools, and plant required for a complete operational installation, finished in all respects as per the technical specifications and to the entire satisfaction of the Engineer In-Charge.	1	29,020,375	P.Job	29,020,375
2	NS-02	Providing , Installation, Testing, and Commissioning of a wall-mounted Main Distribution Board (MDB). The unit shall be equipped with one (1) Main Circuit Breaker and four (4) secondary circuit breakers per pump set, alongside appropriately rated busbars, ammeters, and voltmeters. The scope includes all necessary electrical terminations and the provision of appropriately sized power cabling from the MDB to each Motor Control Unit (MCU). The work shall be completed in all respects, strictly to the satisfaction and approval of the Engineer-in-Charge	1	445,300	P.Job	445,300
3	NS-03	Supply, installation, testing, and commissioning of a comprehensive earthing system for one (1) Main Distribution Board (MDB), four (4) Motor Control Units (MCUs), and four (4) pump motor sets. The scope of work includes the provision of borehole, the installation of copper earth electrodes (rods or plates), and the routing and fixing of bare copper conductors, alongside all necessary fittings and associated works. The installation shall be complete in all respects, strictly to the satisfaction and as required by the Engineer-in-Charge.	1	427,000	P.Job	427,000
Total						29,892,675