



XEN (OP)

Challan

Date: 25.06.2024

To
Plant Manager
Saidabad Water Treatment Plant,
Phase-2, O&M Division.

Subject: Supply of super vortex impeller pump for biofilm media transfer of Meteor cell.

Reference: Work Order No. - 46.05.0000.635.07.043.23.292
Contract No. - CA-46.05.0000.635.07.043.23.86

Date: 08.04.2024
Date: 25.10.2023

Signature
25.06.2024
মোহাম্মদ মোবারক হোসেন
প্লান্ট ম্যানেজার
সাপাশো সেক্টর-২ (ওএমডি) বিভাগ
ঢাকা ওয়াশা

Sl. No.	Description of Item	Qty.
1	Supply of Super Vortex Impeller Pump for biofilm media transfer of meteor cell having following Specification Brand: Grundfos, Country of Origin: Hungary. Flow: 140 m³/hr, Head: 18-20 meter, Liquid Density: 950 - 1000 kg/m³, Type of impeller: SUPER VORTEX, Maximum particle size: 100 mm, Primary shaft seal: SIC/SIC, Max. hydraulic efficiency: 48 %, Pump housing: EN 1561 EN-GJL-250, , Impeller: Cast iron, EN 5.1301 EN-GJL-200, , Maximum operating pressure: 6 bar, Flange standard: DIN, Pump outlet: DN 100, Pressure rating: PN 10, Maximum installation depth: 20 m Power input - P1: 9 kW, Rated power - P2: 7.5 kW, Mains frequency: 50 Hz, Rated voltage: 3 x 380-415 V, Voltage tolerance: +6/-10 %, Max starts per. hour: 20, Rated current: 17.7-17.5 A, Rated speed: 1455 rpm, Locked-rotor torque: 91 Nm, Breakdown torque: 141 Nm, Moment of inertia: 0.0692 kg m², Motor efficiency at full load: 83.4 %, Number of poles: 4, Start. method: star/delta, Enclosure class (IEC 34-5): IP68, Insulation class (IEC 85): F	01 Nos.

Signature
25.06.24

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01 Nos Vortex Impeller
Pump motor Phase-2
to S&M S&M 22/07/2024
20/07/2024

Orient Electrical Services

Signature
Proprietor