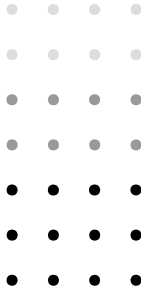


Pharos Engineering Solutions

Innovating Tomorrow's Engineering Solutions Today

A renowned name in
Mechanical
Engineering,
Procurement &
Construction (EPC)
Company In
Bangladesh



ABOUT US

Pharos Engineering Solutions brings over six years of rich and diverse experience in providing value-added construction services. As a general EPC contractor, Pharos offers a comprehensive range of construction services, including Site Analysis, Feasibility Studies, Preliminary Design Studies, and Permit Applications. We expertly manage projects across various sectors, including

- Pharmaceuticals
- Food
- Power
- Chemical
- Process
- Textile





History of Pharos Engineering Solutions

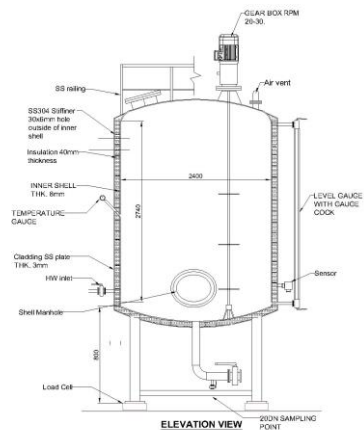
Pharos Engineering Solutions was founded in 2018 by Mr. Yusuf Murad, who envisioned an EPC company that prioritizes customer relationships and exceptional service delivery. Since its inception, Pharos has been dedicated to delivering high-quality construction services across various sectors.

Key Milestones

- **2018:** Mr. Yusuf Murad, founded Pharos, marking the beginning of our journey in providing exceptional construction services.
- **2022:** Mr. Manik Datta joined as a director, enhancing our strategic vision and operational capabilities.
- **2024:** Mr. Ataur Rahman joined as a director, contributing to our leadership and further expanding our expertise.

Over the past six years, Pharos has completed numerous projects in industrial, distribution, manufacturing, power plant, HVAC, pharmaceutical, and commercial sectors.

What We Are Working On



Engineering
Turn-Key Solutions



Procurement
International & Local
Sourcing



Construction
From Manpower to
Project Management

OUR PHILOSOPHY



MISSION

Be the PHAROS to our customers engineering problems with finest solutions



VISION

Lead the industry with innovation and reliability



VALUES

Integrity, Innovation, Safety, Sustainability & Excellence

Company Leadership



Md. Ataur Rahman

Director (Technical)
B.Sc (Mech), M.Sc. RUET (Cont.)
PGDLSCM
Member of ASHRAE

Over 15 Years of Working
Experience in Industrial expertise
in

- Engineering
- Construction
- Supply Chain & Procurement



Md. Yousuf Murad

Managing Director
B.Sc (Civil)

Over 18 Years of Working
Experience in the Industrial
Plumbing Industry expertise in

- Engineering
- Construction



Manik Datta

Director (Technical)
B.Sc (Mech)

Over 15 Years of Working Experience
in the Industrial Plumbing Industry
expertise in

- Design
- Engineering
- Construction

OUR TEAM EXPERTISE

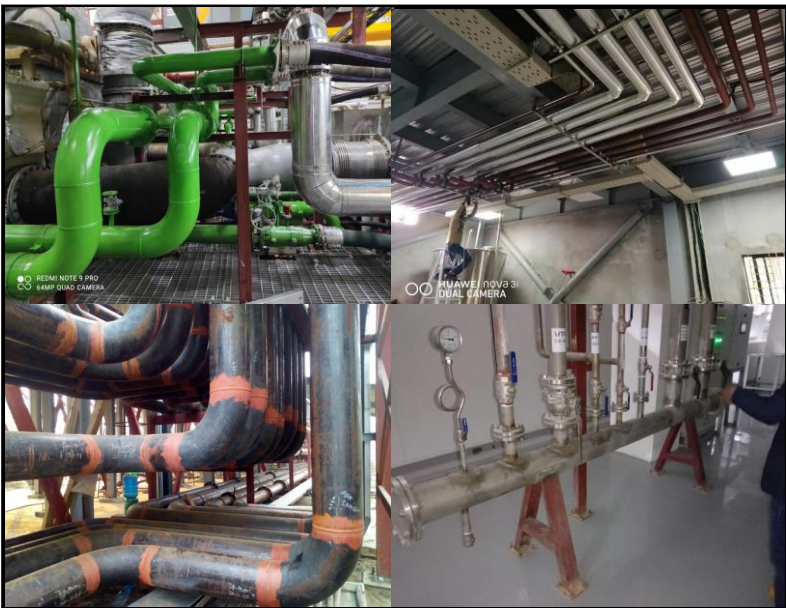
- 1. Industrial Piping Systems:** Extensive knowledge in designing and implementing complex piping systems for various fluids including steam, water, Gases, oil, and air. This covers HFO/LFO lines, cooling water systems, and specialized lines like coconut oil piping.
- 2. Power Plant Engineering:** Expertise in power generation systems, including starting air and control air systems
- 3. Process Engineering:** Strong understanding of industrial processes (PW/PS/WFI and others) across sectors such as pharmaceuticals, beverages, and power generation, enabling effective design of process piping and control systems.
- 4. Water Treatment and Management:** Proficiency in raw water, demineralized water, and condensate systems, essential for projects across multiple industries.
- 5. Mechanical Engineering:** knowledge of tank Installations, vessel and pump Installations, and conveyor systems.
- 6. HVAC and Air Systems:** Capability to design and implement industrial-scale air handling and duct work systems.
- 7. Insulation and Energy Efficiency:** Experience in industrial insulation work, crucial for energy efficiency in steam and oil lines.
- 8. Structural Engineering:** Skills in designing and constructing supporting structures like pipe bridges, tank railings, and other industrial supports.

OUR SERVICES

Sanitary/Process piping of
Pharma & Food (Supply &
Installation)



Industrial Piping System
(Steam/Water/Air/Gases/Chilled/Hot/Fuel/
Chemical & Others) (Supply & Installation)



Steel Tanks &
Vessels (Supply &
Installation)



Process
Equipment (Supply &
Installation)



HVAC system, Duct Work
Cleanroom (Supply &
Installation)



Automation Equipment
Supply & Installation



Conveyor System Fabrication &
Installation



Mechanical Equipment
Installation



Local Fabrication of
Pipe Spools, Sand Blast
& Paint

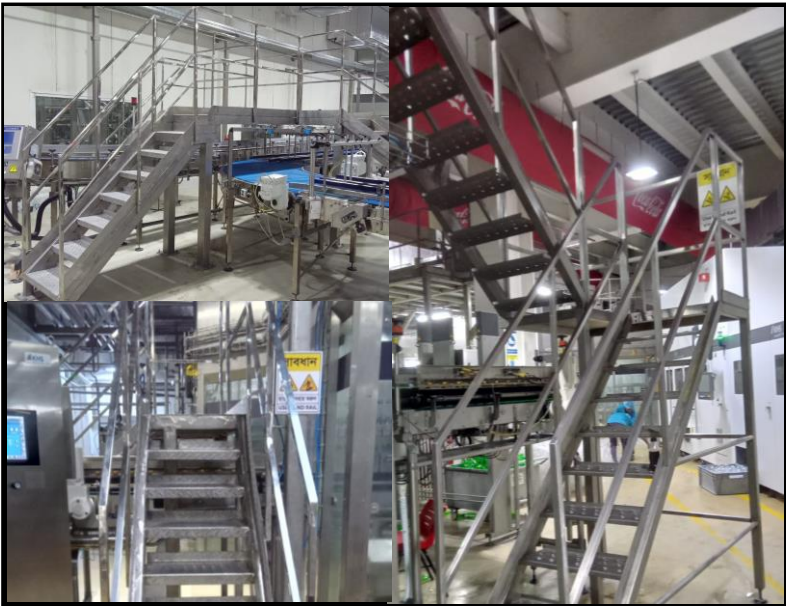


OUR SERVICES

Insulation & Jacketing-Hot & Cold (Supply & Installation)



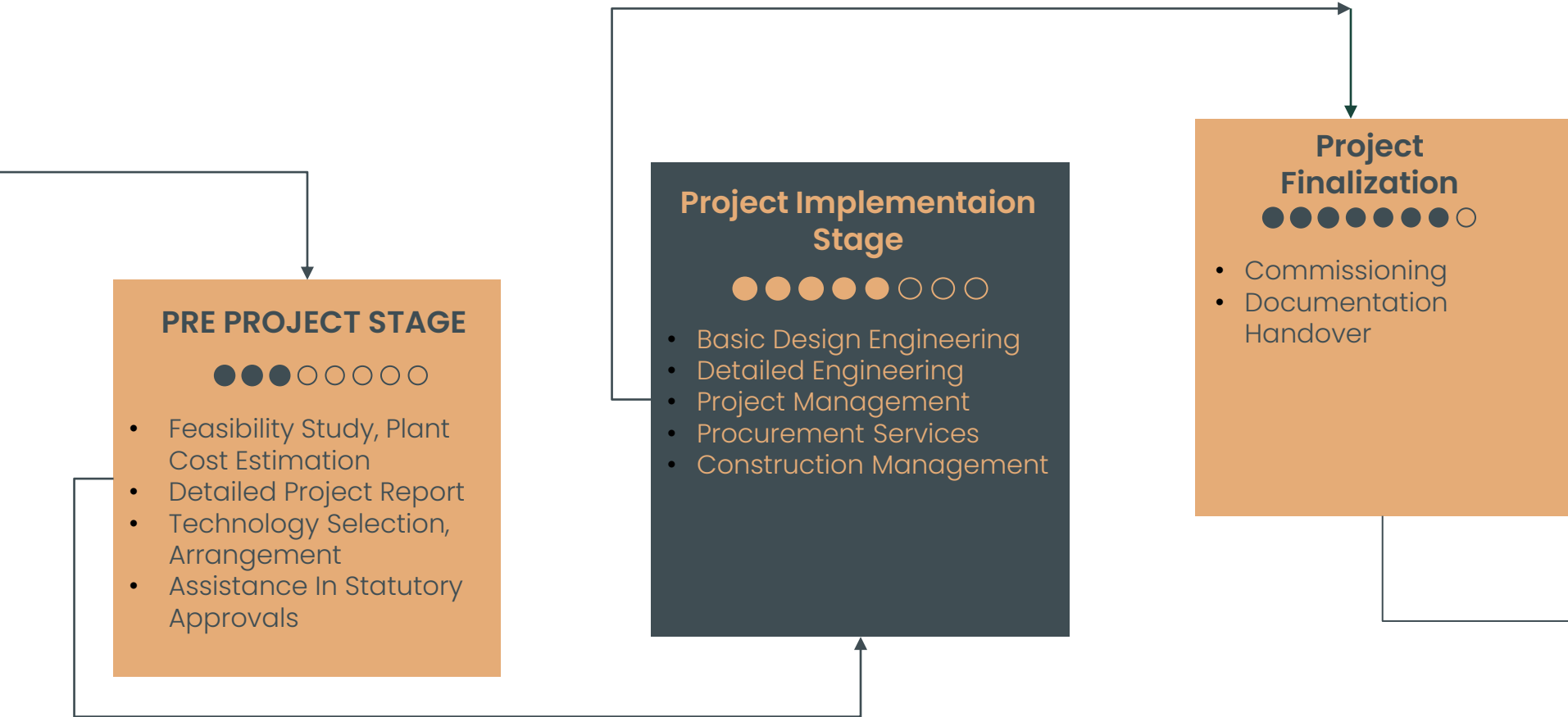
Steel Structure, Pre-Fabricated Steel Building (Supply & Installation)



Storage Tank, Chimney Installation



Project Management Organogram



Industries We Have Worked On



Case Study Of Our Most Important Project till Date



Energy Pac Power Limited

In 2020-2021, we undertook a major project for Energy Pac Power Limited, focusing on the Installation and integration of several critical systems. The project's scope included the **HFO & LFO Line, Cooling Water Line, Lube Oil Line, Starting Air and Control Air systems, Raw Water and Demineralized Water Line, and the Steam & Condensed Water Line**. Despite the complexity of these tasks, we successfully delivered the project on time and maintained a strict safety record.



Other Key Projects

Modern Syntex Limited (MSL)

In 2022 our project on Modern Syntex Limited (MSL), focusing on the Installation of a **high-efficiency boiler, economizer, and pump system**. Additionally, **chimneys** were erected for safe exhaust of combustion gases, and **exhaust ducting systems** were designed to manage airflow and emissions effectively. **Steam and condensed water lines** were implemented to optimize energy utilization, alongside Installation of **water and air lines** supporting industrial processes. **Insulation for pipes and equipment**, as well as **fabrication and installation of ladders, platforms, and support structures**, were also part of the scope.





Marico Bangladesh Limited (MBL)

The projects completed for Marico Bangladesh Limited between 2020 and 2023 demonstrate the company's expertise in industrial construction and Installation. The scope of work across multiple locations— Mouchak, Mirshorai, and Bagherbazar— included the Installation of chilled water lines, ductwork, MS tanks, steam and condensate water lines, coconut oil lines, and insulation work.

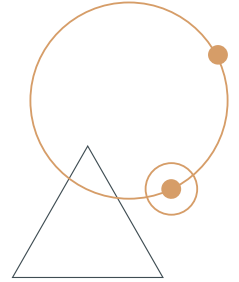




Confidence Power Limited (CPBL – 1 & 2)

The project CPBL- 1 & 2, completed for Confidence Power Limited under BDDE during 2018-20, involved comprehensive piping and structural work. The scope of the project included the Installation of HFO & LFO lines, cooling water lines, lube oil lines, starting air and control air systems, raw and demineralized water lines, steam and condensed lines, along with the construction of associated bridges, supports, and structures.





Bangladesh Beverage Limited , Valuka

The project for **Bangladesh Beverage Limited** in 2023 involved

- Raw Water & Purified Water system
- Steam, Condense, Air Line system
- WTP, ETP Equipment Installation
- Electrical Works





Opsonin Pharma Limited

For Opsonin Pharma Limited (OPL) spanning from 2021 to 2024, our ongoing project involved implementing **steam and condensed water lines** to improve thermal energy management, installing **raw and demineralized water lines** crucial for pharmaceutical processes, and setting up **control air lines** to ensure precise airflow. A **conveyor system** was designed and installed to streamline material handling, while **process piping and construction of pipe bridges and support structures** further supported manufacturing operations.





Swiss Bio Hygienic Limited (SBL)

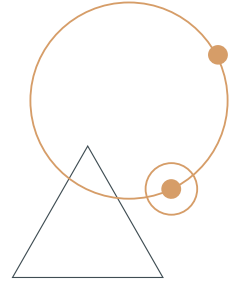
The project for Swiss Bio Hygienic Limited in 2024 involved the **fabrication and Installation** of 20KL and 10KL pressure vessels.



Meghna Group of Industry (Chemical)

The ongoing project for Tasnim Chemicals in 2024 focuses on the Phase 4 expansion of a 130TD Caustic Soda Plant at the Meghna Economic Zone, Narayanganj. The work involves the **Installation of MS, SS, Nickel, and Titanium pipelines**, underscoring the company's capability to handle complex and high-precision piping tasks in large-scale industrial settings.





Dabur Bangladesh Private Limited

In 2025, we carried out Pipeline Installation for an Oil Tank along with Heat Tracing works for Dabur Bangladesh Private Limited.





Fervent Multiboard Industries Limited

In 2024, we successfully completed multiple mechanical piping projects for Fervent Multiboard Industries Limited. Our scope included the installation of **Thermal Oil, Steam, and Water pipelines**, as well as **Secondary Thermal Press Pipelines**. Additionally, we executed a comprehensive **Fire Protection System**, which involved **fire fighting piping, fire pumps, and a water reservoir**.

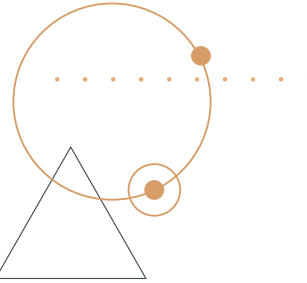




Running Projects

Meghna PVC Limited (MPVC)

The ongoing project for Meghna PVC Limited (MPVC), we completed the installation of **Conveyor Belt systems** as part of their industrial facility expansion.



MAJOR RUNNING PROJECTS TIMELINE

2024



Tasnim Chemicals,
Meghna Economic
Zone, Narayanganj

2024



Fervent Multiboard
Industries,
JamalPur

2025



Conveyor
Installations
Meghna PVC,
Narayanganj

2025



Dabur
Bangladesh,
Savar



'0'

Accident throughout the year

Safety Policy

.....

Stringent safety protocols and guidelines

Regular safety training for all employees

Zero-accident policy

Use of personal protective equipment (PPE)

Safety audits and inspections



Quality Assurance

- Rigorous quality control checks
- WPS , PQR, WQT & other Documentation Maintain
- Continuous improvement practices
- Client feedback integration



Employee Training & Development



Technical Training

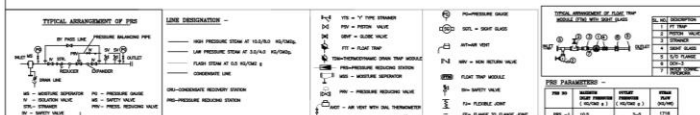
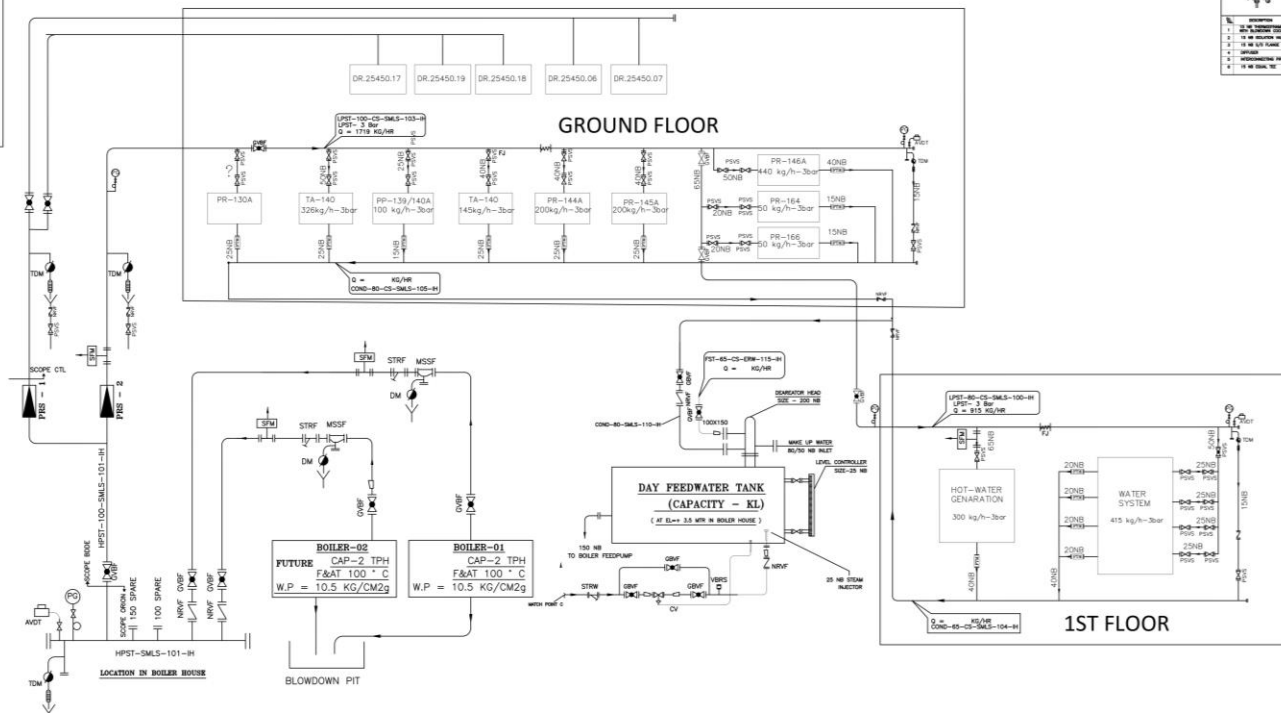
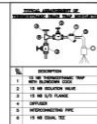


Professional Development Opportunities



Leadership & Management Training

CLOUD AREA OF MEDIUM STEAM & COND SCOPE BY CTL



Customer :

TITLE

PID (STEAM SYSTEM)

PHAROS ENGINEERING SOLUTION

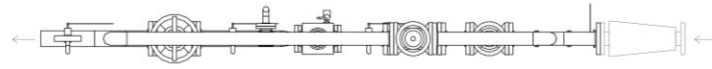
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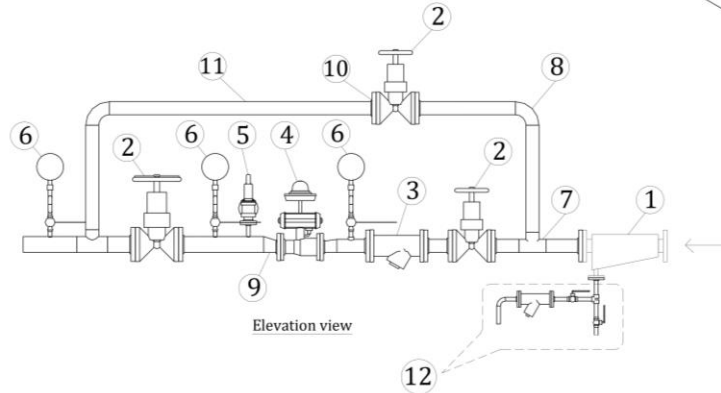
CHKD.

P&ID Drawing of One of Our Pipeline Project

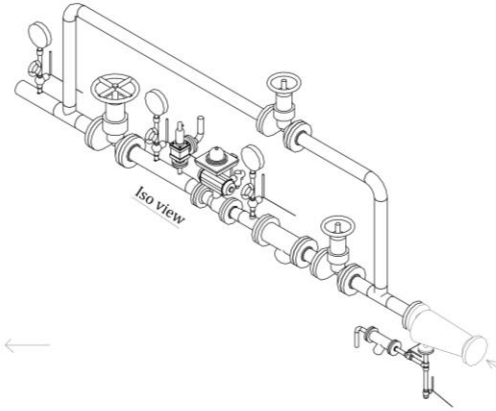
THIS DRAWING IS ASSET OF PES



Top view



Elevation view



PILOT OPERATED
PRESSURE REDUCING STATION (PRS)

SL No.	NAME/DESCRIPTION	QTY	SL No.	NAME/DESCRIPTION	QTY
01	MOISTURE SEPARATOR	01	07	TEE	02
02	GLOBE VALVE	03	08	ELBOW 90°	02
03	STRAINER	01	09	ECCENTRIC REDUCER	02
04	PRESSURE REDUCING VALVE	01	10	FLANGE	11
05	SAFETY VALVE	01	11	PIPE	NEEDED
06	PRESSURE GAUGE	03	12	DRAIN TRAP ASSEMBLY	01

Customer :

Name : PRS PILOT OPERATED Assembly

DATE: 04/07/24

DRAWN: PES

CHKD.

PHAROS ENGINEERING SOLUTION

3D
Drawing
of Pilot
Operated
Pressure
Reducing
Station

Our Detailed Portfolio of Installation/Client List

Serial	Project Name	Project Scope	Client Name	Year
01	CPBL - 2	<ul style="list-style-type: none">• HFO & LFO Line• Cooling Water Line• Lube Oil Line• Starting Air, Control Air• Raw Water & Demineralized water line• Steam & Condensed Line• Bridge, Support & Structure	Confidence Power Limited (Under BDDE)	2018 - 19
02	CPBL - 1	<ul style="list-style-type: none">• HFO & LFO Line• Cooling Water Line• Lube Oil Line• Starting Air, Control Air• Raw Water & Demineralized water line• Steam & Condensed Line	Confidence Power Limited (Under BDDE)	2019 - 20
03	BSPL	<ul style="list-style-type: none">• Intake & Exhaust Duct Work	Baraka Potenga Power Limited (Under BDDE)	2019
04	ZPCL	<ul style="list-style-type: none">• HFO & LFO Line• Cooling Water Line• Lube Oil Line	Confidence Power Limited (Under BDDE)	2019
05	MBL Mouchak	<ul style="list-style-type: none">• HVAC - Chilled Water Line• HVAC - Duct Work	Marico Bangladesh Limited (Under BDDE)	2020

Serial	Project Name	Project Scope	Client Name	Year
06	EPVTL	<ul style="list-style-type: none"> HFO & LFO Line Cooling Water Line Lube Oil Line Starting Air, Control Air Raw Water & Demineralized water line Steam & Condensed Line 	Energy Pac Power Limited (Under BDDE)	2020 - 21
07	MBL Mirshorai	<ul style="list-style-type: none"> MS Tank Steam, Condense Water Line Coconut Oil Line Insulation Work 	Marico Bangladesh Limited (Under BDDE)	2022
08	MSL Boiler	<ul style="list-style-type: none"> Boiler, Economizer & Pump Installation Chimney Installation Exhaust Ducting Work Steam & Condense Line Water & Air Line Insulation Work Ladder Platform & Pipe Support Structure 	Modern Syntex Limited (Under BDDE)	2022
09	MBL Bagherbazar	<ul style="list-style-type: none"> MS Tank Steam, Condense Water Line Coconut Oil Line Insulation Work 	Marico Bangladesh Limited (Under BDDE)	2023
10	BVL	<ul style="list-style-type: none"> Raw Water & Purified Water Steam, Condense Air Line WTP, ETP Equipment Installation Electrical Works 	Bangladesh Beverage Limited (Under BDDE)	2023
11	SBE	<ul style="list-style-type: none"> 20KL & 10 KL Pressure Vessel 	Swiss Bio Hygenic Limited	2024

Serial	Project Name	Project Scope	Client Name	Year
12	MBL Mirshorai	<ul style="list-style-type: none"> MS Tank Steam, Condense Water Line Coconut Oil Line Insulation Work 	Marico Bangladesh Limited	2023
13	TBL	<ul style="list-style-type: none"> Vessel & Pump Installtion Process Pipe Line 	Transcom Beverage Limited (Under BDDE)	2023
14	OGL	<ul style="list-style-type: none"> Water System Piping 	Orion Group	2021
15	LPL	<ul style="list-style-type: none"> MS & SS Piping 	Linde Bangladesh Limited (Under BDDE)	2023
16	MPL	<ul style="list-style-type: none"> HFO & LFO Line Cooling Water Line Lube Oil Line Starting Air, Control Air Raw Water & Demineralized water line Steam & Condensed Line 	Max Power Limited (Under BDDE)	2023- 24
17	OPL	<ul style="list-style-type: none"> Steam & Condensed & Chilled water Line Raw Water & Demineralized water line Control Air Line Conveyor System Process Piping Pipe bridge & Support WFI/(Pure Steam)/Orbital 	Opsonin Pharma Limited	2021 - 24
18	SKFP	<ul style="list-style-type: none"> SS Process Piping 	Manha MEP Solution	2024

Serial	Project Name	Project Scope	Client Name	Year
19	AML	<ul style="list-style-type: none"> Steam Energy System 	Abdul Monem/Bran Oil Refinery	2024
20	IPL	<ul style="list-style-type: none"> Jacketed System Piping 	Incepta Biotech	2024
21	AML – Beverage Unit	<ul style="list-style-type: none"> Tank Railing Works Duct Work 	Abdul Monem Limited	2024
22	IVL	<ul style="list-style-type: none"> SS Jacketed Piping 	Incepta Vaccine Limited	2024
23	EPGTL	<ul style="list-style-type: none"> Insulation Work 	Epic Group	2024
24	GHP	<ul style="list-style-type: none"> Storage Vessel Fabrication & Installation Filling Machine & Pumps Installation 	Godrej Household Products (BD) Pvt. Ltd.	2024
25	HVAC Commissioning	<ul style="list-style-type: none"> Pumps Installation Chilled Water Piping Jacketing & Insulation 	Nipro–JMI Pharma Ltd.	2024
26	Pipeline Installation	<ul style="list-style-type: none"> Thermal Oil Pipeline Steam & Water Pipeline 	Fervent Multiboard Industries Limited	2024
27	Press Pipelines	<ul style="list-style-type: none"> Secondary Thermal Line(x2) 	Fervent Multiboard Industries Limited	2024
28	Fire Protection System	<ul style="list-style-type: none"> Fire Fighting Piping Fire Pumps & Water Reservoir 	Fervent Multiboard Industries Limited	2024

Serial	Project Name	Project Scope	Client Name	Year
29	MPVC	<ul style="list-style-type: none">SS, Nickel & Titanium Pipeline Inst.CS Piping Inst.	Meghna PVC Limited	2024
30	GTL	<ul style="list-style-type: none">Aluminum Sheet Supply & Inst. (x2)Rockwool Supply & Inst. (x2)	EPIC Group (Green Textile)	2024
31	GTL	<ul style="list-style-type: none">Pipeline Installations	EPIC Group (Green Textile)	2024
32	MGIPVC	<ul style="list-style-type: none">Conveyor Belt Installations	Meghna PVC Limited	2024
33	DBPL	<ul style="list-style-type: none">Pipeline Installation for Oil TankHeat Tracing	Dabur Bangladesh Private Limited	2025
34	MSIL30MW	<ul style="list-style-type: none">CS & SS Pipeline Inst.Valves & Instruments Inst.Auxiliary Modules & Painting Works	AKIJ Resource (under Versute Engineering Ltd.)	2025

Supply Chain Division

Piping/Fittings/Accessories



MS/GI Pipe

Standard: ASTM A 106/ A153
Sch: 20/40/80
Seamless/ERW



SS Pipe

Standard: ASTM A312 Gr.TP304/316
Sch: 20/40/80
Seamless/ERW



Sanitary / Process Pipe

Standard: ASTM A270 ASME BPE
Gr: TP304/304L/316/316L
PVC, CPVC, Plastic Pipe



MS/GI Fittings & Accessories

Standard: ASTM A234 WPB/ 3000#,
40SCH End: Butt Weld/Threaded
Items: Flange, Elbow, Tee, Socket,
Reducer, Union Etc.



SS Fittings & Accessories

Standard: ASTM A403 Gr.WP304,/3000#
End: BW/Threaded 40Sch
Items: Flange, Elbow, Tee, Socket,
Reducer, Union Etc.



Sanitary / Process Fittings & Accessories

Standard : ASTM A270-3A,
ISO, DIN, SMS, 3A, ASME BPE
Items : Flange, Elbow, Tee,
Socket, TC Clamp, Reducer
Etc.



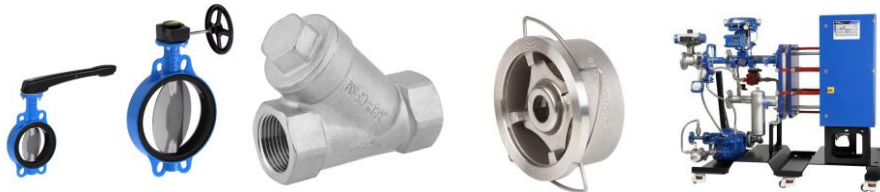
Supply Chain Division

Valves & Accessories



Manual Flow Control Valves

- Gate valve
- Globe valve
- Ball Valve
- Butterfly Valve
- Y / Basket Strainer
- Non-Return valve
- Piston & Forged Valve
- PRS & PRV
- Air vent
- Moisture separator & others



Automated Control Valves

- Diaphragm valve
- Pneumatic Actuated valves



Steam Accessories

- Condensate recovery Unit
- Thermodynamic & Float Trap Module
- Heat Exchanger & others



Supply Chain Division

Valves & Accessories

Vessel & Tanks

- SS Mixing Tank
- SS Storage Tank
- SS Pressure Vessel
- SS Jacketed Vessel
- Steam Jacketed Vessel
- Pre-Solution Vessel

Support System

- Angle & Beam
- Channel
- Plates
- Saddles, Clamps & Shoes
- Scaffolding



Pumps (Sanitary & Industrial)

- End suction
- Gear
- Pneumatic Diaphragm Vacuum Pump
- Fire Pump
- Rotary Lobe Pump
- Rotor Pump
- Homogeneous & Emulsification Pump
- Compound & Homogeneous Pump.
- Pump Booster Skid System

Supply Chain Division

Accessories Item



Mechanical System Accessories

- HVAC System Equipment & Accessories, Cooling tower
- Fire Protection & Detection equipment's & Accessories
- Hot water Generation system
- Heat Recovery system
- Tube & Plate Heat exchanger

Automation Accessories

- Inverter, Servo Drive and Motor
- PLC/HMI/Touch Screen & other Automation parts



Instrument & Measuring Device

- Temperature Sensor
- RH Sensor
- Pressure Sensors
- Controllers & Encoders
- DO & PH Sensor
- Conductivity sensor
- Proximity sensor
- Flow Transmitter
- Electronic Weighing machine and others

Prefabricated Items

- Pipe Spools
- Cable Tray
- Steel Platform



Supply Chain Division

Insulation, Gasket & Others

Insulation

- Rock Wool
- Glass Wool
- Nitrile Rubber

Conveyor System

- Conveyor Machine
- Packing Conveyor Belt
- Gravity Powered Roller Conveyor Belt
- Gravity Power Roller Flexible Conveyor Belt
- Inclined Conveyor Belt
- Load and Unload Conveyor Belt
- 90Degree Roller Belt.

Gasket

- Rubber Gasket
- Spiral-Wound Gasket
- Metal Gasket
- PTFE Gasket
- Non Asbestos Gasket

Nut Bolts

- Hex Nut Bolt
- Anchor Bolt
- U Bolt



Our Partners



VISVANA



dp pumps



Endress+Hauser



DONGRUN

Our Detailed Portfolio of Supply/Client List

Serial	Project Name	Project Scope	Client Name	Year
01	CPBL - 2	• Supply of Steam Water & Air System Equipment	Confidence Power Bangladesh Ltd.	2019-20
02	MPL	• Supply of SS Pipe & Fittings (x2)	Max Infrastructure Ltd.	2024
03	MPL	• Supply of Valves & Forged Item(x2)	Max Infrastructure Ltd.	2024
04	TBL	• Supply of SS Storage Tanks	Transcom Beverage Ltd	2024
05	AML	• Supply of Valves & Insulation	Abdul Monem/Bran Oil Refinery	2024
06	IPL	• Supply of Valves, instrument, PRV, pHV, PHE, Sanitary PRV	Incepta Pharma Limited	2024
07	BOCL	• Supply of 800 Class SS Ball Valve	Brand Oil Company Limited	2024
08	GTL	• Supply of MS Pipes	EPIC Group (Green Textile)	2024
09	MGIPVC	• SS Fittings & Accessories	Meghna PVC Limited	2024

Why Us ?

Proven track record of
success

Comprehensive service
offering

Commitment to quality
and safety



Contact Us...!



+8801913638034



www.pharos@gmail.com



Road 17, Block K, South Banasree,
Dhaka, Bangladesh

Thanks!

DO YOU HAVE ANY QUESTIONS?

Feel free to drop an email in our mailbox or
contact directly between office hour (9 AM – 6 PM)



/Pharos Engineering Solutions



/Pharos Engineering Solutions



/Pharos Engineering Solutions



/Pharos Engineering Solutions

