



BYPASS STACK WORKS

GRP PIPING WORKS

PIPE SUPPORT
STRUCTURE
WORKS

STEEL STRUCTURE WORKS AT POWER PLANT

POWER PLANT COOLING TOWER RELATED WORKS



Techno Associates

ENGINEERS • CONSULTANTS • CONTRACTORS

Industrial Engineering

1. Fabrication, Erection and Commissioning of complete Mechanical packages of Combined Cycle Power Project.
 - Fabrication, erection, testing of full package as per mechanical erection BOQ, drawings and other supporting documents.
 - Fabrication, erection, insulation and testing of piping at site as per requirement
 - Supply of all tools and tackles, consumables, (P&M) plant and machinery required for executing the identified works as per specification.
 - Supply skilled-manpower for commissioning assistance.
 - Surface preparation for painting by sand blasting/grit blasting/shot blasting.
 - Application of painting on all equipment as per painting requirements.
2. Project support services.
 - Surveying
 - Pre-commissioning
 - Commissioning
 - Supply chain
 - Electrical erection
 - NDT(DP test, Radiography, UT, Hydro-test etc.)
3. Fabrication of steel structures under renowned steel building companies as subcontractor within their factory premises.
4. Construction and erection with supervision of steel structures at site.

Shipbuilding/Ship-repair Engineering

1. Naval Architecture and Marine Engineering
 - Basic design and concept development
 - Detail design for production and fabrication
 - Stability
 - Weight estimation and control
 - Vessel Layouts
 - Classification Society interface and approval
 - Vessel inspections, evaluation, surveys and reports
2. Structural design and engineering
 - Equipment installation with foundation
 - Structural analysis
3. Ship Repair, Estimation and supervision

Other Engineering Services

1. Shipyard Design
2. Project Management
3. Feasibility Study
4. Computational Fluid Dynamic analysis(CFD)
5. Website Development
6. Mobile Apps development

Resources

The Company is managed by Engineer Enamul Baqui who is former Managing Director of Chittagong Dry-dock Ltd, where he served 35 years. He is a Naval Architect and Chartered Engineer of UK Engineering Council, He is member of Royal Institution of Naval Architects UK(RINA), Life Fellow of Institute of Engineers Bangladesh, Fellow of International Maritime Organization(IMO)UK, Authorised Panel Supervisor under Department of Shipping, Government of Bangladesh. He is also a Director and Advisor of Radiant Shipyard Ltd and Radiant Marine Design & Services Ltd, Narayanganj Dhaka.

The Company is supported by skilled Naval Architects, Mechanical Engineers, Welders, Fitters, Riggers, Electricians, Mechanics and other related Technicians having long working experience in local and foreign shipyards/Companies.

List of Permanent Technical Employees-

Name	Qualification	Designation	Experience (Years)
Engr. Enamul Baqui	MSc Eng. in Naval Architecture(Poland)	Chief Executive Officer	38 (Home & Abroad)
Engr. Abdullah Al Maruf	MSc Eng. in Marine Technology(UK)	Engineering Manager	8 (Home & Abroad)
Din Islam	6G,6GR,SMAW,FCAW,GTAW & Downhill Welding & Steel, Pipe Fabrication and Erection Specialist.	Sr. Site Manager (Power Plant Erection)	24 (Home & Abroad)
Nurul Islam	6G,6GR,SMAW,SS,Alloy,Al,Cu,Super duplex, FCAW,GTAW & Downhill Welding & Steel, Pipe Fabrication and Erection Specialist.	Site Manager(Power Plant Erection)	16 (Home & Abroad)
Md. Musa Ali	BSc in Mechanical Engineering (Ongoing)	Site Engineer(Power Plant)	9 (Home & Abroad)
Md. Showkat Hossen	Skilled Steel & Pipe Fabricator and Safety Inspector	Supervisor (Piping /Fabrication)	17 (Home & Abroad)
Md. Rakibul Hasan	Diploma Eng. in Mechanical Technology	QA/QC Supervisor	2 (Fabrication)
Md. Mostafa	Diploma Eng. In Ship Fabrication	Supervisor (Erection)	2 (Pipe Fabrication)
Md. Shahid	Highly Skilled Steel & Pipe Fabricator	Supervisor (Mechanical)	11 (Home & Abroad)
Abir Hossain	Diploma Eng. in Mechanical	Supervisor(Steel Fabrication)	8 (Steel building)
Md. Shafiqul	Skilled Steel & Pipe Fabricator	Foreman (Shipbuilding)	11 (Home & Abroad)

List of Consultants -

Name	Qualification	Skills	Designation	Experience (Years)
Dr. Yamin Bin Baqui	PhD in Eng. (Aerospace)-Cambridge, UK B.Eng. (Hons) Aeronautical & Economics- National University of Singapore	Computational Fluid Dynamics(CFD),Computer Aided Design(CAD),3D printing, Quantitative /Statistical Analysis, C,C++ Matlab, Ansys, AutoCAD,Fluent,SolidWorks, Java, Python	Consultant	6 (Research)
Dr. Yasir Bin Baqui	PhD in Eng. (Aerospace)-Cambridge, UK B.Eng. (Hons) Aeronautical & Economics- National University of Singapore	Computational Fluid Dynamics(CFD),Computer Aided Design(CAD),CNC Machining,3D printing, Quantitative/Statistical Analysis, Matlab, Ansys,AutoCAD,Fluent,SolidWorks,Java, Python, Forran, C,C++	Consultant	6 (Research)
Md Mozammel Hoque	MSc in Applied Informatics in Economics (Russia)	<ul style="list-style-type: none"> • Business Process Analysis and Optimization • IT Optimization • Project Management 	Consultant	17 (Home & Abroad)
Masudul Hoque	MBA	<ul style="list-style-type: none"> • Industry Analysis • Operations Management Marketing Solutions • Supply Chain Management • Distribution Network Development 	Consultant	6

List of Computer Engineers -

Name	Qualification	Skills	Designation
Md.Kamruz Zaman	BSc in Computer Science & Engineering	C,C++,Java,PHP,HTML,JS,C#,Visual Studio	Web & Mobile Application Developer
Shoumik Barua	BSc in Computer Science & Engineering	C,C++,Java,PHP,HTML,JS,C#,Visual Studio	Web & Mobile Application Developer
Md. Monirul Islam	BSc in Computer Science & Engineering	C,C++MySQL,Visual Studio	Web & Mobile Application Developer
Sulogna Chowdhury	BSc in Computer Science & Engineering	C,C++,Oracle,PHP,HTML,JS,C#,Visual Studio	Web & Mobile Application Developer
Sadia Iffat Sultana	BSc in Computer Science & Engineering	C,C++,Oracle,PHP,HTML,JS,C#,Visual Studio	Web & Mobile Application Developer

List of Permanent Skilled Workers -

No	Name	Designation	Experience	No	Name	Designation	Experience
1	Morshed Alam	TIG,SS,ALLOY Welder	7 (Home & Abroad)	20	Atik Hossain	Plate Fitter	5(Home & Abroad)
2	Faruk Hossain	TIG,SS,ALLOY Welder	8(Home & Abroad)	21	Abdul Salam	Plate Fitter	12(Home & Abroad)
3	Rasel Miah	TIG,SS,ALLOY Welder	7(Home & Abroad)	22	Khandokar Yousuf	GRP Fitter	6(Home & Abroad)
4	Sapan Sardar	TIG,SS,ALLOY Welder	7(Home & Abroad)	23	Md. Rayhan	GRP Fitter	5(Home & Abroad)
5	Shahidul Islam Billal	TIG,FCAW Welder	9(Home & Abroad)	24	Md. Asadullah	Plate Fitter	10(Home & Abroad)
6	Shafikul Islam	SMAW,FCAW Welder	10(Home & Abroad)	25	Md. Jasim	Plate Fitter	7(Home & Abroad)
7	Selim Mamun	TIG,SS,ALLOY Welder	7(Home & Abroad)	26	Md. Hasan	Electrician	10(Home & Abroad)
8	Rahmatullah	TIG,SS,SMAW,GTAW Welder	10(Home & Abroad)	27	Md. Kawsar	Electrician	7(Home & Abroad)
9	Sheikh Shapon	SMAW,TIG Welder	5(Home & Abroad)	28	Md. Rayhan	Electrician	5(Home & Abroad)
10	Kamal Hossen	SMAW,TIG,SS,ALLOY Welder	10(Home & Abroad)	29	Md. Ramjan	Rigger	12(Home & Abroad)
11	Md. Rana	Pipe Fitter	6(Home & Abroad)	30	Md. Aziz Rahman	Rigger	10(Home & Abroad)
12	Kazi Najrul	Pipe Fitter	6(Home & Abroad)	31	Md. Saiful Islam	Rigger	10(Home & Abroad)
13	Juwel Rana	Pipe Fitter	6(Home & Abroad)	32	Nirmol Das	Rigger	8(Home & Abroad)
14	Shariful Islam	Pipe Fitter	12(Home & Abroad)	33	Md. Fariduzzaman	Mill Wright	6(Home & Abroad)
15	Bashir Miah	Pipe Fitter	7(Home & Abroad)	34	Md. Masud Rana	Mill Wright	4(Home & Abroad)
16	Md. Salauddin	Pipe Fitter	7(Home & Abroad)	35	Md. Edil Islam	Painter	6(Home & Abroad)
17	Monirul Islam	Pipe Fitter	6(Home & Abroad)	36	Md. Ali Hossen	Painter	4(Home & Abroad)
18	Raj Ahmed	Pipe Fitter	5(Home & Abroad)	37	Md. Anisur Rahman	Scaffolder	10(Home & Abroad)
19	Md. Saurav	Pipe Fitter	7(Home & Abroad)	38	Md. Alamgir Hossain	Scaffolder	8(Home & Abroad)
				39	Helal udlin	Material Controller	7(Home & Abroad)
				40	Mostofa	Material Controller	5(Home & Abroad)

Note: Additional contractual workers are hired depending on the project requirements

Manpower deployed for Mechanical Erection of a 225MW Power Plant

Number and type of Man power working in our Mechanical Erection team for PDB's 225 MW combined cycle Power Plant at Shikalbaha, Chittagong. EPC Contractor - Larsen and Toubro(L &T). We are working since April,2016 under L & T 's local contractor Union Mercantile Limited (UML).

No	Title	Quantity	No	Title	Quantity
1	BSc Engineer	2	16	Rigger	16
2	Diploma Engineer	4	17	Painter	4
3	Quality Controller(QC)	2	18	Scaffolder	6
4	Supervisor	10	19	General Worker & Helper	40
5	Foreman	12			
6	Office Staff	6			
7	Material Controller	4			
8	Store Keeper	3			
9	Electrician	5			
10	TIG Welder(SS, Alloy, Cu,AL)	15			
11	SMAW,FCAW Welder	6			
12	Pipe Fitter	15			
13	Mill Wright Fitter	2			
14	GRP/FRP/CPVC Fitter	2			
15	Plate Fitter	6			



Overhead Crane Erection

List of some Equipment & Tools we have

No	Title	Specification	Quantity	No	Title	Specification	Quantity
1	Welding Machine 400 Amp	DC	12	23	Dull Wrench	14" -38"	40
2	Welding Machine 300 Amp	DC	12	24	Halogen light		15
3	MIG Welding Machine		4	25	Electrical Panel Board		4
4	Plate Bending Machine	Up to 20 mm	1	26	Electrical Power Meter		3
5	Hand Drilling Machine	1.5 mm -16mm	1	27	Adjustable Sly Wrench		20
6	Compressor for-Sand/Grit Blasting and Spray Painting		1	28	'L' -Square	12" -24"	25
7	Sand / Grit Blasting Equipment		1 set	29	Spirit Level	12" -24"	22
8	Heavy Duty Spray Painting Machine		2 set	30	Gas cylinder Key	Oxygen/Argon	20
9	Hammer Drill Machine		1	31	Cutting Torch		3
10	Diesel Generator	50 KW	1	32	Pipe Clamp	8" -20"	10
11	Electrode Holding and Drying Ovens		14	33	Safety Helmet		150
12	Argon, LP, Oxygen Meter		30	34	Safety Body Harness		30
13	Argon TIG Torch		30	35	Aluminium Ladder	10 '	1
14	Arc Welding Holder		20	36	Torque wrench	1000 N -m	1
15	Grinding Machine	4" & 7"	30	37	Gasket Cutter		5
16	Pencil Grinding Machine		10	38	Inside Micrometer		1
17	Thread Cutting Machine	½" - 3" Pipes	1 set	39	Outside Micrometer		1
18	Welding Cable with Holder		400 M	40	Chain Pulley Block	2 t --5 t	15
19	Service Cable	3 Core -4.5RM	700 M	41	Pulley Block	5 t	2
20	Service Cable	4 Core -16 RM	700 M	42	D-Shackle	2 t-20 t	15
21	Service Cable	2 Core -3RM	1300 M	43	Lifting Belt	2 t-10 t	20
22	Pipe wrench	10" -52"	10				



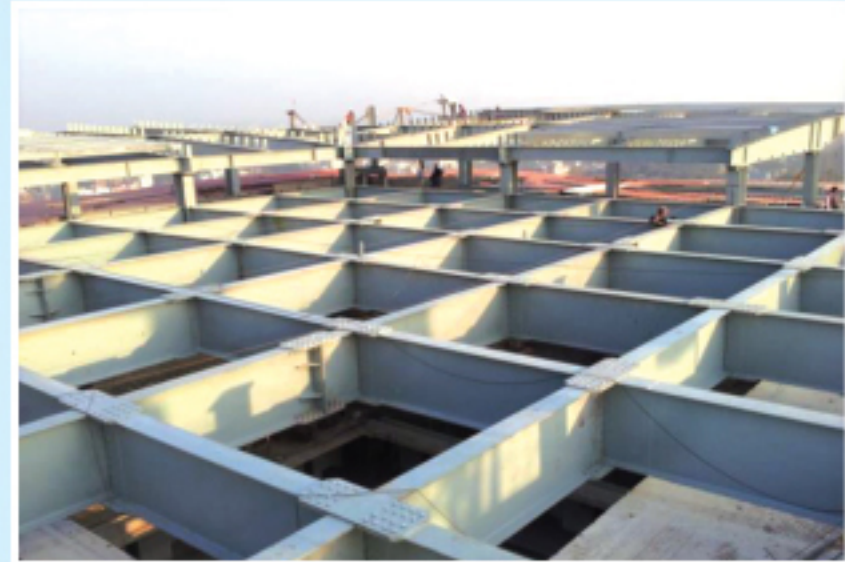
4600 Sft Multi storage utility building Fabrication and Erection



Erection Gas Turbine Enclosure



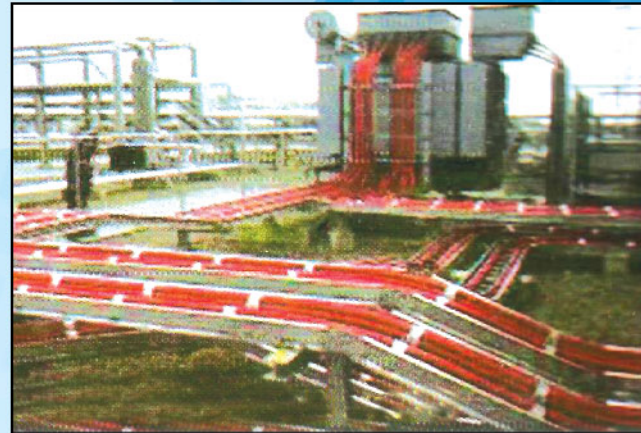
Universal LPG Plant at Fani



Erection of Safety floor, Metal Canopy and Glass roof for Radisson Bay View Hotel, Chittagang



Different Size Of Tank



Cable Tray Fabrication & Erection



Overhead Crane Fabrication & Erection



Boiler Erection



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PUMP HOUSE WORKS(FUEL OIL SYSTEM AT POWER PLANT)



DM PLANT STEEL STRUCTURE WORKS AT POWER PLANT



ERECTION WORKS OF BYPASS STACK



FUEL OIL TRANSFER PIPING AND VALVE WORKS



FUEL OIL SYSTEM PIPE LINE WORKS

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