



A Theme Of Green
Technology



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OVERVIEW

Power Distribution Engineering Limited is a young engineering company in Bangladesh. Professional experiences of its managers are well known in the market and help the company involving in prestigious engineering projects. Major portion of the workforce is engineer or engineering technician. Following years of experience of its workforce, company is now competent enough to undertake following responsibilities. Combined heat and power solutions, Balance of the plant equipment for various industries, Project engineering design and contracting, Industrial process automation, control Switchgear, panel, substation projects, Power transmission & distribution projects, Complete LED lighting solutions, Lift, Escalator, Supply, Installation.

HISTORY

This Firm was registered in March 2010 in Bangladesh as a consultancy firm. This firm works to fulfill the requirements of Accord, Alliance, ILO etc. with a few years of experience this firm has already achieved success by the client's satisfaction.

WE CARE

We are a professional company with a long-term vision providing comprehensive blend of services. We are committed to caring for our valuable people and clients.

OUR ADDED VALUE

One stop service provider Well Experienced Management and technical team. Innovation supported by cooperation with technologically advanced and well experienced foreign partners.

SAFETY VISION

Vision to eliminate all injuries, occupational illnesses, unsafe practices and incident of environmental harm from our operations. In doing so, achieve a work place where nobody gets hurt and everyone gets to go home safely and in good health.

OUR MISSION

To provide insight and information to help our customers reduce risk and increasing efficiency in their most resource-intensive processes. We believe that prevention is better than cure & all our jobs are indicating that prevention most.

OUR VISION

Vision has been and always will be to provide only the highest quality service, solution & product available anywhere. This commitment to quality is also reflected in our engineering and customer service operations where no short cuts are taken and long term customer satisfaction is of paramount importance. To give our customers a competitive edge with minimum risk & reduce unwanted downtime as an associates to keep on efficiently optimize their processes.



**Engr. Md. Moniruzzaman Khan
Managing Director**

Engr. Md. Moniruzzaman Khan is the founder and Managing Director Of Power Distribution Engineering Limited (PDEL). With his farsighted vision, excellent management skills, innovative ideas, incessant efforts and dynamic leadership, he leads the over-all functioning of the organization. Since 2009, he is in line with business. In 2009, he started contracting the work of different companies. Besides, he started various types of electric products business & electrical trading house business. In 2014 he started a Switchgear manufacturing company of name Power Distribution Engineering Limited (PDEL).

During the period 2009 to 2020, he nurtured the company from a best Switchgear manufacturing Company in Bangladesh. The PDEL, with his courage and confidence, Md. Moniruzzaman Khan turned a small business into one of the best engineering conglomerates in Bangladesh. Since then the company has seen an immense growth rate.



PDEL manufactured Distribution Transformer, Power Transformer, Special Transformer are energy efficient, environment friendly, slim, cost effective and ensures low loss.



Our Remarkable Features:

- Compact, Low maintenance designs that are built for trouble-free operation.
- Laser-Grade type high efficient tank design.
- High reliability for lifetime.
- Greater Value for Money.
- Quick Delivery.
- Long warranty period.

STANDARDS	: IEC-76, BS-171, ANSI C57.12, VDE 0537
FREQUENCY	: 50 Hz, on request 60 Hz
RATINGS	: For ratings higher than 50 MV A please consult us
PRIMARY VOLTAGE	: For values above 24 kV and up to 36 kV please consult us. Double high voltages (example 15-20 kV) can be offered
STANDARD TAPPINGS	: $\pm 2.5\%$; $\pm 5\%$ or $\pm 2 \times 2.5\%$; -7.5% and others on request
SECONDARY VOLTAGE	: 400 to 433 V other values may be offered. Double low voltages with 7 LV bushings can be offered with full rating on both voltages or with reduced rating (75%) on lowest voltage



Technical Information Of Transformer

11/0.415 KV, 3 PHASE, 50 HZ

Rated Power Model No.		(KVA)	50 FCNI50	100 FCNI100	150 FCNI150	200 FCNI200	250 FCNI250	315 FCNI315	400 FCNI400	500 FCNI500	630 FCNI630	750 FCNI750	800 FCNI800	1000 FPYI1000	1250 FPYI1250	1600 FPYI1600	2000 FPYI2000	2500 FPYI2500	3000 FPYI3000
NO Load loss		(W)	153	234	330	360	450	540	630	720	900	945	990	1170	1350	1620	1845	2250	2890
Load loss at 75°C		(W)	810	1350	1800	2520	2610	2970	3330	4230	5400	6300	6500	8100	9450	11700	13500	17100	24300
Imped.vol at 15°C		(%)	4	4	4	4	4	4.5	4.5	4.5	6	6	6	6	6	6	6	6	
Regulation at p.f=1		(%)	1.75	1.41	1.3	1.10	1.08	1.04	0.987	0.941	0.987	0.9	1.03	1.00	0.98	0.95	0.93	0.90	0.83
Regulation at p.f=0.8		(%)	3.54	3.36	3.29	3.17	3.16	3.41	3.37	3.34	4.2364	4.27	4.33	4.31	4.30	4.28	4.26	4.24	4.23
Efficiency at p.f=1	At load 100%	(%)	98.00	98.42	98.6	98.79	98.81	98.89	98.95	99.00	99.05	99.04	99.03	99.06	99.09	99.12	99.15	99.19	99.09
	At load 75%	(%)	98.31	98.68	98.82	98.98	99.00	99.06	99.12	99.16	99.20	99.21	99.20	99.23	99.25	99.28	99.31	99.34	99.26
	At load 50%	(%)	98.52	98.85	98.98	99.11	99.13	99.29	99.23	99.27	99.31	99.34	99.33	99.35	99.38	99.40	99.43	99.46	99.4
	At load 25%	(%)	98.30	98.71	98.83	98.98	99.02	99.08	99.13	99.17	99.22	99.31	99.29	99.32	99.36	99.39	99.42	99.46	99.41
Efficiency at p.f=0.8	At load 100%	(%)	97.50	98.03	98.26	98.48	98.51	98.61	96.68	98.75	99.81	98.8	98.78	98.83	98.86	98.90	98.94	98.99	98.87
	At load 75%	(%)	97.89	98.34	98.53	98.72	98.75	98.83	98.98	99.95	99.00	99.01	99.00	99.03	99.07	99.10	99.13	99.17	99.08
	At load 50%	(%)	98.15	98.56	98.72	98.88	98.91	98.98	99.04	98.09	99.13	99.18	99.16	98.19	99.23	99.25	99.29	99.32	99.25
	At load 25%	(%)	97.88	98.38	98.55	98.73	98.77	98.85	98.91	98.97	99.02	99.14	99.12	99.15	99.21	99.24	99.28	99.32	99.26



HT Panel (VCB)



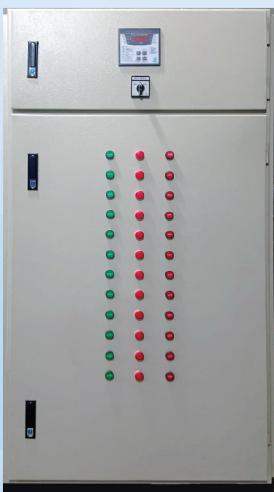
Synchronization Panel



Mechanical Interlock



ACB Panel



PFI Panel



BBT System

Cable Tray



Generator



 **Perkins**  **STAMFORD**  **RICARDO**  **Cummins**

Racking System



Component



VCB



ACB



ABB MCCB



Magnetic Contactor



Energy Meter



11 kv PT



11 kv CT



Capacitor

Solar System



TYPES OF OPERATION AND ACTIVITES

- Sub-Station (Sales & Service)
- Total Electrical Solution.
- HT, LT, Switchgear, PFI Plant, MDB, SDB, Change Over Switch.
- Cable Tray, Supply & Installation.
- All Industrial Electrification of factory Binding etc.
- Busbar Trunking System (BBT) Supply & Installation.
- All Kinds of Electrical Goods Supply.
- Generator Sales & Service.
- Solar System

OTHER CONCERN



ABB Component Product Ready Stock Available

OUR GLOBAL PARTNER



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