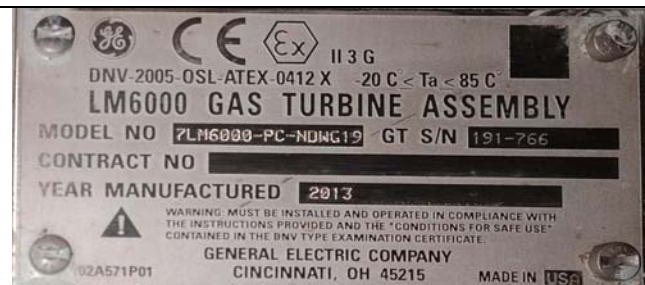
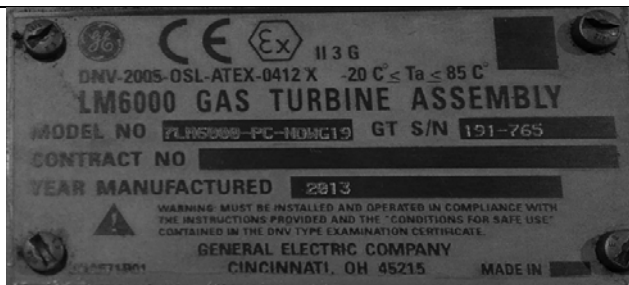


Equipment Brochure of MPL

Turbine

Description:

Manufacturer	:	General Electric
Model No.	:	7LM6000-PC-NDWG19
Quantity	:	02 Nos
Serial No.	:	Unit 1 - 191-765, Running Hour: 21,725.5
	:	Unit 2 - 191-766, Running Hour: 20,144.4
Type	:	Dual Shaft, Aero-derivative Gas Turbine, Sprint System.
Turbine Rated capacity	:	45.449 MW
Engine Weight	:	13270 lbs (6019.171 kg)
LP Rotor	:	3600 rpm
HP Rotor	:	10300 - 10500 rpm
Start system	:	Hydraulic
Fuel nozzle	:	30Nos.



Unit-01



Unit-02

Generator

Description:

Manufacturer	:	Brush
Model No.	:	Brushless Generator Type BDAX7-290ERJT
Quantity	:	02 Nos
Serial No.	:	Unit 1 - 923161.01
	:	Unit 2 - 923333.01
Type	:	Turbo Generator
Rated capacity	:	63500 kVA (50800 kW)



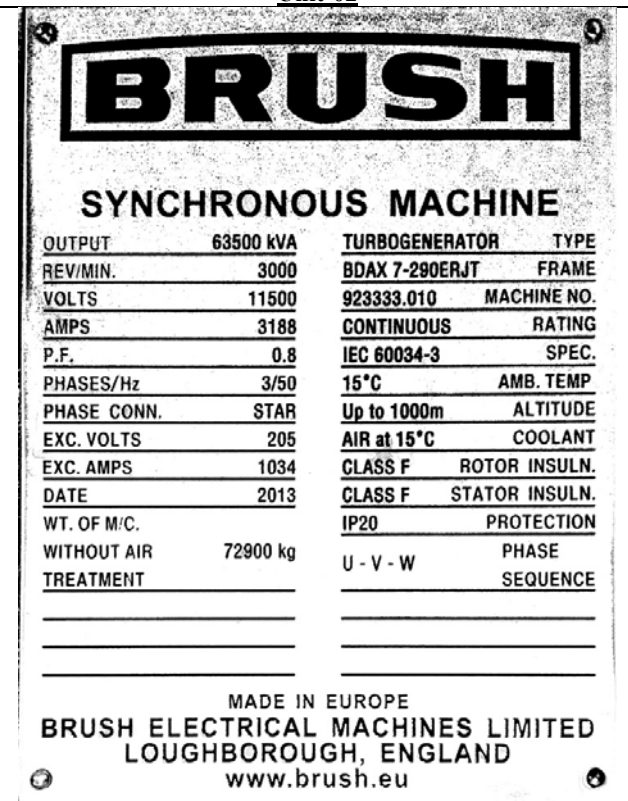
Unit-01



Unit-02



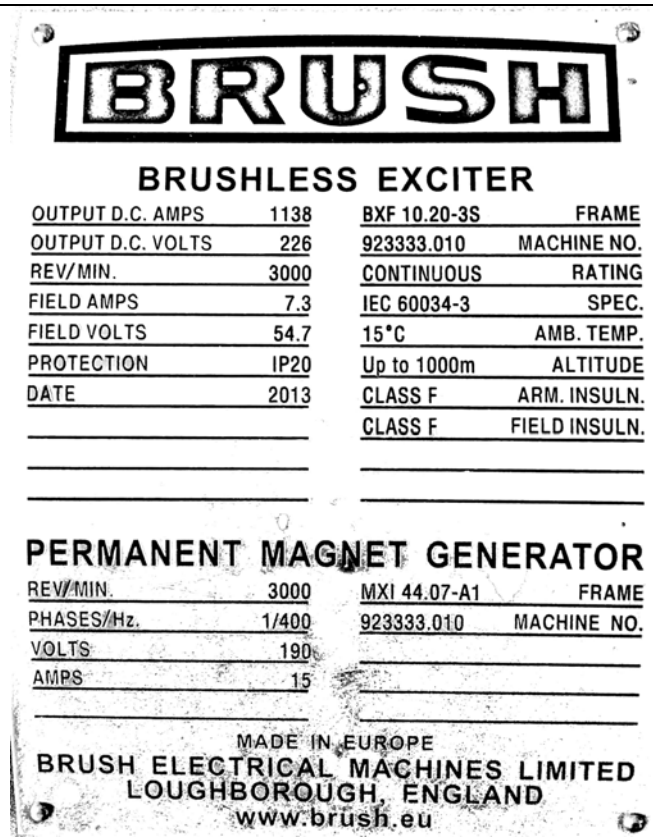
Generator Nameplate [At Actual]



Generator Nameplate [Grayscale]



Generator Exciter Nameplate [At Actual]



Generator Exciter Nameplate [Grayscale]

GBC (Gas Booster Compressor)

Description:

Manufacturer : CAMERON [Compressor]
HYUNDAI [Motor]
Model No. : 3R3MSGPB-3ARC3G/30
Quantity : 02 Nos
Serial No. : CB-18970 [GBC-01]
CB-18969 [GBC-02]
Type : 3 Stage Methane Compressor with Induction Motor
Rated capacity : 5 KG/S, Dry



GBC (Gas Booster Compressor)



GBC Compressor Nameplate

HYUNDAI		CE Ex II 3 G	
3 - INDUCTION MOTOR		Baseefa 08 ATEX 0044X	
1893 kW	2 P	11000 V	116.2 A 50 Hz
FRAME SIZE	560	ROTOR TYPE	SQUIRREL CAGE
TYPE	HNQ3 561-28E	DUTY TYPE	S1
PROTECTION DEGREE	IP 54	SERVICE FACTOR	1.0
SPEED AT FULL LOAD	2982 RPM	INSULATION CLASS	F
AMBIENT TEMP.	40 °C	TEMPERATURE RISE	80 °C
EFFICIENCY	95.0 %	POWER FACTOR	0.90
BEARING(D.E)	SLEEVE	BEARING(IN-D.E)	SLEEVE
SPACE HEATER	MOTOR : 1Ø 220 V	400 W	MAIN T/B : 1Ø 220 V 200 W
WEIGHT	11000 kg	CODE LETTER	G
SERIAL NO.	20142949RMH944002	MANUFACT'G DATE	2014. 12
TYPE OF EXPLOSION PROTECTION : Ex nA II T3			
MADE IN KOREA HYUNDAI HEAVY INDUSTRIES CO.,LTD / 682-792 ULSAN CITY KOREA			
4M-086304			

GBC Motor Nameplate [At Actual]

HYUNDAI		CE Ex II 3 G	
3 - INDUCTION MOTOR		Baseefa 08 ATEX 0044X	
1893 kW	2 P	11000 V	116.2 A 50 Hz
FRAME SIZE	560	ROTOR TYPE	SQUIRREL CAGE
TYPE	HNQ3 561-28E	DUTY TYPE	S1
PROTECTION DEGREE	IP 54	SERVICE FACTOR	1.0
SPEED AT FULL LOAD	2982 RPM	INSULATION CLASS	F
AMBIENT TEMP.	40 °C	TEMPERATURE RISE	80 °C
EFFICIENCY	95.0 %	POWER FACTOR	0.90
BEARING(D.E)	SLEEVE	BEARING(IN-D.E)	SLEEVE
SPACE HEATER	MOTOR : 1Ø 220 V	400 W	MAIN T/B : 1Ø 220 V 200 W
WEIGHT	11000 kg	CODE LETTER	G
SERIAL NO.	20142949RMH944002	MANUFACT'G DATE	2014. 12
TYPE OF EXPLOSION PROTECTION : Ex nA II T3			
MADE IN KOREA HYUNDAI HEAVY INDUSTRIES CO.,LTD / 682-792 ULSAN CITY KOREA			
4M-086304			

GBC Motor Nameplate [Grayscale]

Nitrogen Generator

Description:

Manufacturer	:	Parker Hannifin Manufacturing Ltd.
Model No.	:	MAXIGAS106ECBLL [02 Nos] N2-25PBLN [01 Nos]
Quantity	:	03 Nos
Serial No.	:	14MX0290 [02 Nos] 17NSP0277 [01 Nos]
Rated capacity	:	45 m ³ /h



Nitrogen Generator-01 & 02

Manufactured By Parker Hannifin Manufacturing Ltd Donnick Hunter Filtration & Separation Division Dukesway, Team Vale, Trading Estate, Gateshead Tyne & Wear, NE11 0PZ, United Kingdom Tel: +44(0)191 4029000, Fax +44(0)191 4826296 Email: dhindsales@parker.com, Web: http://www.parker.com.dhns			
Prod No	MAXIGAS106ECBLL	Pt No	646500602
Serial No	14MX0290	Date	04/11/14
Weight	394 kg / 869 lb		
Electrical Supply	115 / 230 VAC	50 / 60 Hz	40 W
Min. Operating Press	8 Bar g	88 psi g	0.6 Mpa
Max. Operating Press	10 Bar g	145 psi g	1.0 Mpa
Vessel Test Press	14.5 Bar g	207.5 psi g	1.43 Mpa
Min. Operating Temp	5 C		41 F
Max. Operating Temp	50 C		122 F
Factory Settings			
Inlet Pressure	7.0 Bar g	101 psi g	
Outlet Pressure	5.8 Bar g	81 psi g	
Flowrate	45 m ³ /hr 1586 scfh		
Purity	5.0 % O ₂		
CE 03-			
CRN No. 041 (2014)			
UL US LISTED LABORATORY EQUIPMENT 34NA			

Nameplate [Nitrogen Generator-01 & 02]

Main Transformer

Description:

Manufacturer : GE PROLEC
 Quantity : 01 Nos
 Serial No. : ITK 45110/3367
 Type : ONAN/ONAF
 Rated capacity (MVA) : 100/133



Main Transformer

IEC: 600 76

SPECIFICATION REF. No.

TYPE OF COOLING	ONAN	ONAF	IMPEDANCE AT 75°C	%	15.15		
RATED POWER	kVA	100000	133000	FREQUENCY	Hz	50	
RATED VOLTAGE AT NO LOAD	HV	230000	VECTOR GROUP REF.			YNd1	
	LV	11500	CORE & WINDINGS			kg	73000
AMPERES	HV	251.02	333.86	TANK & FITTINGS		kg	43000
	LV	6020.58	6677.37	WEIGHT OF OIL		kg	4672.5
INSULATION LEVEL	HV	850 kVP / 395 kVrms	TOTAL WEIGHT			kg	172,800
	LV & LVN	95 kVP / 38 kVrms	OIL IN LITRES			L	52,506
No. Of PHASES	3			TRANSPORT MASS (OIL FILLED)	kg	12,192.0	
DIAGRAM DRG. No.	IT-3 1 5553			YEAR OF MANUFACTURE	2.010		
MAKER'S SL. No. / W.O. No.	ITK - 45110 / 3367			TEMP. RISE IN OIL/WDG	°C		60 / 65
CUSTOMER REF.:-	P.O. No. : 44218256, DT. 01-11-2010						

CONNECTION DIAGRAM

VECTOR GROUP - YNd1

VOLTAGE TABLE

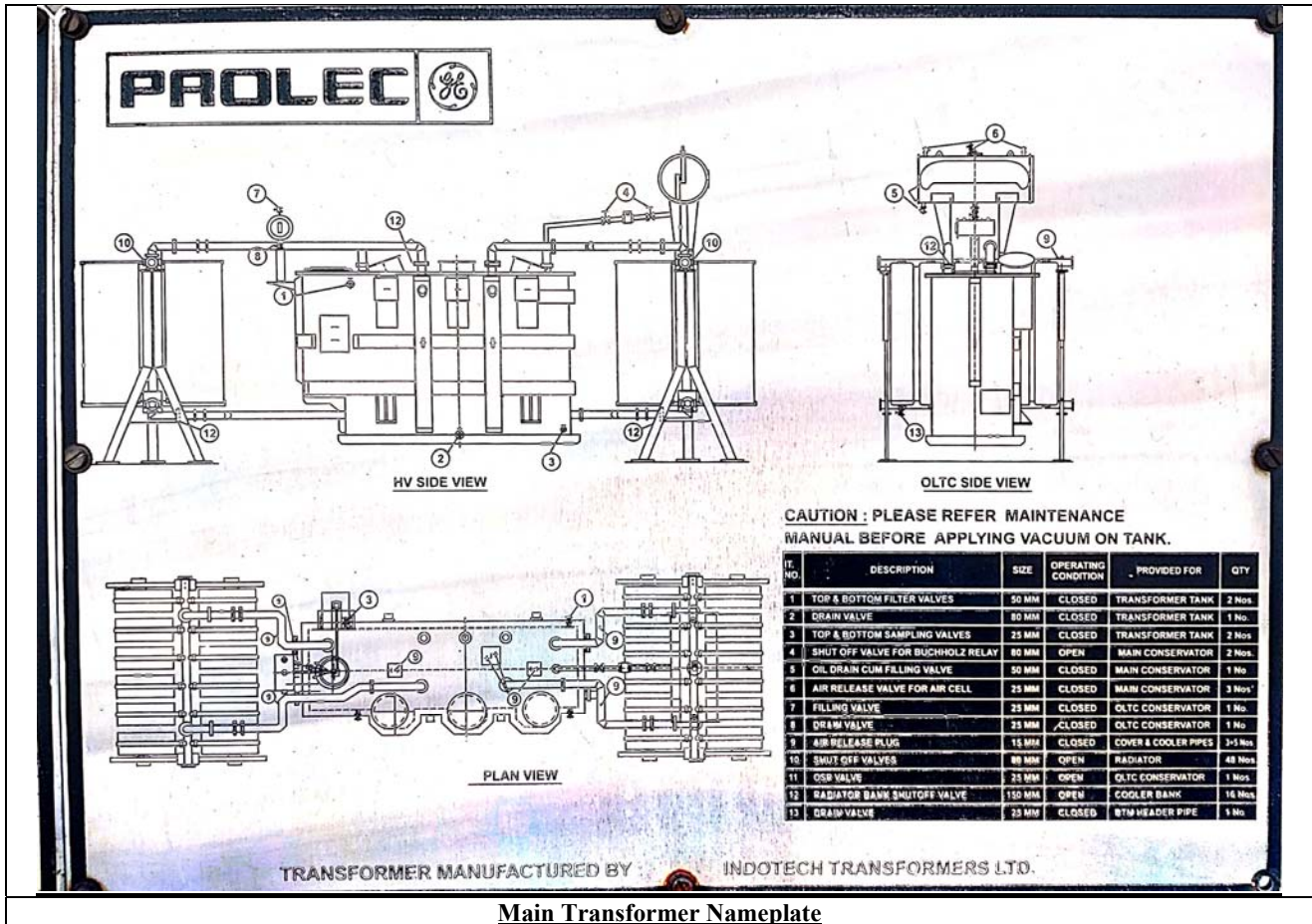
OLTC : Mill.500Y.123/C.10.19.3W (MAKE:-Easun-MR)

LV VOLTS AT 2U - 2V - 2W						115000
HV VOLTS AT 1U, 1V, 1W	HV AMPS (100 MVA)	HV AMPS (133 MVA)	PRE SEC. SWITCH	TAP SELECTOR	TAP. No.	
253000	228.20	303.50	3-4	2 - 12	1	
250125	230.82	306.70		2 - 11	2	
247250	233.50	310.55		2 - 10	3	
244375	236.24	314.20		2 - 9	4	
241500	239.06	317.85		2 - 8	5	
238625	241.84	321.78		2 - 7	6	
235750	244.88	325.69		2 - 6	7	
232875	247.92	329.73		2 - 5	8	
230000	251.02	333.86		2 - 4	9a	
230000	251.02	333.86		2 - 3	9b	
230000	251.02	333.86	2 - 12	9c		
227125	254.18	338.06	3-12	2 - 11	10	
224250	257.44	342.39		2 - 10	11	
221375	260.80	346.98		2 - 9	12	
218500	264.22	351.41		2 - 8	13	
215625	267.74	356.09		2 - 7	14	
212750	271.36	360.80		2 - 6	15	
209875	275.08	365.95		2 - 5	16	
207000	278.80	370.83		2 - 4	17	

BUSBING CURRENT TRANSFORMER								
Sl. No.	Location	Core Ratio (A)	Accuracy Class	Burden (VA)	Knee Point Voltage (V) (min)	Mag. Current (mA) (max)	Sec. Resistance (Ω) max.	Application
1	HV WTI	335 / 1.75	3	5VA	-	-	-	HV WTI
2	LV WTI	6678 / 1.75	3	5VA	-	-	-	LV WTI
3	HV 'N'	800-600-400/5A	C400 (SP/20)	100VA	-	-	-	Protection CT

TRANSFORMER MANUFACTURED BY : INDO TECH TRANSFORMERS LTD.

Main Transformer Nameplate



Main Transformer Nameplate

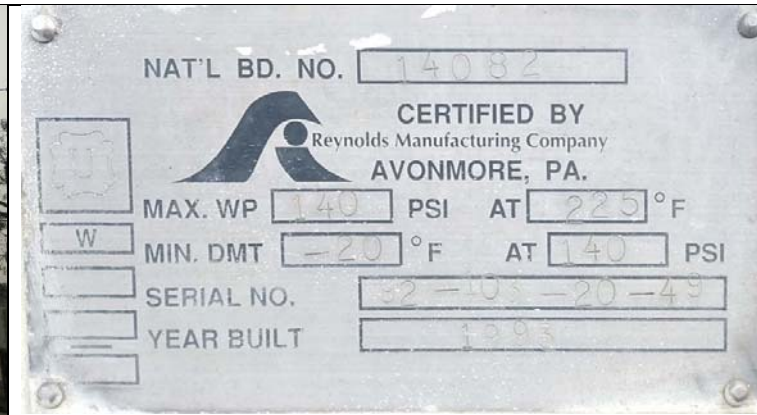
SF6 Circuit Breaker

Description:

Manufacturer : ABB ASEA Brown Boveri
 Quantity : 01 Nos
 Serial No. : 100626-03
 Type : 242P 63-30



SF6 Circuit Breaker



SF6 Circuit Breaker Nameplate

Auxiliary Transformer

Description:

Manufacturer : INDO TECH TRANSFORMERS LTD.
 Quantity : 02 Nos
 Serial No. : IT 45141 and IT 45142
 Rated Voltage : HV: 11500, LV: 400
 Rated capacity : 1500 KVA



Auxiliary Transformer

SPECIFICATION REF No. IEC: 60076

K.V.A. 1500 TYPE OF COOLING ONAN
 RATED { H.V. 11500 FREQUENCY HZ 50
 VOLTS { L.V. 400 IMPEDANCE VOLTS % 6.36
 AMPERE { H.V. 75.31 VECTOR GROUP REF. NO. Dyn11
 { L.V. 12165.06 CORE & WINDINGS Kg. 2080
 PHASE { H.V. 3 OIL Kg. 1035
 { L.V. 3 TOTAL WEIGHT Kg. 4915
 MAKER'S SR. NO. IT-45141 OIL IN LITRE 1220
 WORK ORDER No. IT-3447 YEAR OF MANUFACTURE 2010
 CUSTOMER'S REF. P.O. No. 442138256 DATED: 01-11-2010
 GUARANTEED MAXIMUM TEMP. RISE IN OIL / WDG. IN °C 60 / 65
 CUSTOMER M/s. G.E. ENERGY

RATIO: 288/115, 3P23, 25VA

LV2 VOLTS AT 2U - 2V - 2W	400	
HV VOLTS AT 1U, 1V, 1W	JOIN TAPS	SWITCH POSITION
12075	5 - 6	1
11787.5	6 - 4	2
11500	4 - 7	3
11212.5	7 - 3	4
10925	3 - 8	5

INSULATION LEVEL
LI 75 AC28 / LI AC3

COPPER WOUND TRANSFORMER
TRANSFORMER MANUFACTURED BY INDO TECH TRANSFORMERS LTD.

Auxiliary Transformer Nameplate

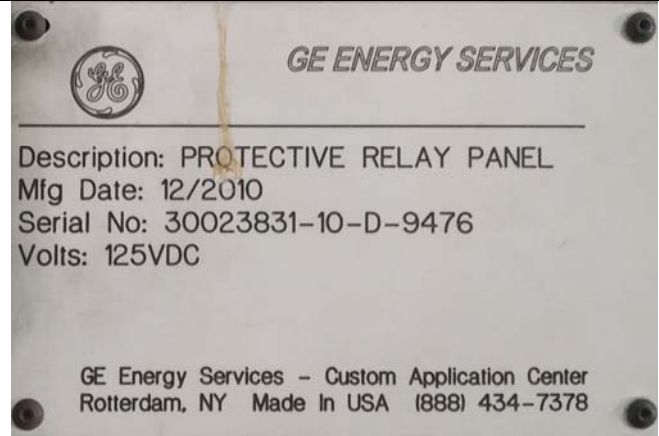
PROTECTIVE RELAY PANEL

Description:

Manufacturer	:	GE ENERGY SERVICES
Quantity	:	01 Nos
Serial No.	:	30023831-10-D-9476
Volts	:	125VDC



Protective Relay Panel



Protective Relay Panel Nameplate

Break Circuit Breaker

Description:

Manufacturer : GE
 Quantity : 02 Nos
 Serial No. : P24000200500101
 Rating : 2000AMP MAX. 600V AC 3 POLE



Break Circuit Breaker

STD. BREAK CIRCUIT BREAKER
 CATALOG NO: SSD20G220
 SERIAL NO: P24000200500101
 2000AMP MAX. 600V AC
 3 POLE
 RATING PLUG TYPE: GTP20

INTERRUPTING RATING
 RMS SYM AMPS 50/60 Hz

VOLTS	KA
240	85
480	65
600	50



CIRCUIT BREAKER FRAME
 3-POLE UNIT
 Issue No. AF8198

SHORT TIME RATING
 40 KA 1/2 SEC

P0321

Break Circuit Breaker Nameplate

52G Breaker

Description:

Manufacturer : Guangzhou Baiyun Electric Equipment Co. Ltd. China
 Quantity : 02 Nos
 Serial No. : KK1505200001 and KK1505200002
 Type : KYN 44 - 12
 Rated Current : 4000/4000 A



52 G Breaker



52G Breaker Nameplate

WTP (Water Treatment Plant)

Description:

Manufacturer : EPC by Max Power Infrastructure Ltd.
Quantity : 01 Nos
Rated capacity : 10m³/h [Final Output]



WTP [RO Unit]

Reverse Osmosis Unit

EPC: Max Power Infrastructure Ltd

Design modification: Dr. Md. Raisuddin Miah

Re-commissioning: 05 May, 2016

Design production capacity:

(RO-Stage1)- 15m³/h

(RO-Stage2)- 10m³/h

Original plant: CHINA

RO Unit Nameplate