

General, Thermal & Electrical Details

TO BE RETURNED DULY FILLED IN

Petroleum Conservation Research Association (Northern Region)

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I. GENERAL DETAILS

S.NO	PARTICULARS	DETAILS
1	Name & Address of Company	
2	Name of Contact Officer	
	Designation	
	Name of Alternative Officer	
	Designation	
3	Telephone No.	
	Fax No.	
4	No. of Shifts	
	Hours/Shift	
5	No. of Employees (Aprox)	
6	Production (units)	
	Daily	
	Monthly	
	Annual	
7	Type of Fuel Used	Gas Oil Coal Others
	Annual Fuel Consumption (KL)	
8	Electricity Consumption (kW)	
	DG Set	
9	Specific Energy Consumption	
	Fuel (Lit/Ton of Production)	
	Electricity (Unit/Ton of Production)	

II. ELECTRICAL DETAILS

1. TRANSFORMERS

	No. 1	No. 2	No. 3	No. 4
Rating				
Voltage Ratio				
KVA				
% Impedence				

2. CONSUMPTION

	Particulars	Demand		
A	Contract demand KVA			
B	Maximum demand			
C	Total Energy units consumed / day			
D	Avg. Power Factor (P.F.)			
E	Avg. Energy bills (Rs/month)			
F	KVA Load Peak KVA Duration	Morning	Noon	Night

3. LIST OF ELECTRIC MOTORS OPERATING IN THE PLANT

S.NO.	NAME OF THE PLANT	KW	NO. OF MOTORS
1			
2			
3			
4			
5			

4. DETAILS OF CAPACITORS FOR P.F. IMPROVEMENT

S.NO.	NAME OF THE PLANT	KVAR
1		
2		
3		
4		
5		
6		

5. CONNECTED LOAD

	EQUIPMENT	LOAD IN KW
A	Motors <10 HP >10 HP	Nos. Nos.
B	Compressors Details	Rated CFM
	Compressor – 1	
	Compressor – 2	
	Compressor – 3	
C	AC & Ventilation with TR capacity	TR CAP
	Air Conditioner Plant	
	A.H.U.	
	Others	
D	Process	
E	Lights	
	Total Load	

III. THERMAL DETAILS**1. HSD/ LDO /RFO/LSHS - FIRED UNIT DETAILS****A. BOILER**

Equipment	Make	Model	Capacity TPH	Flue Gas Temp. (°C)	% Efficiency (if being monitored)
Boiler No. 1					
Boiler No. 2					
Boiler No. 3					
Boiler No. 4					

B. THERMOPAC

Equipment Type	Make/ Model	Operating Temp. (°C)		Capacity '000 Kcal/ Hr.	Flue Gas Temp. (°C)	% Efficiency (if being monitored)
		In	Out			
Thermopac-1						
Thermopac-2						
Thermopac-3						

C. FURNACE/OVEN

Equipment No.	Type of Furnace/Oven	Product	Design Capacity of Furnace/ hr.	Actual Production/hr.	Flue Gas Temp	Consumption of Fuel Oil (Lit./Ton)

D. DIESEL GENERATING SET

S. No.	Make	Model	Rating KVA	Stand by or Continuous operation	Actual Average Loading	Avg. kWhUnits /Lit. of Oil
1						
2						
3						

2. DETAILS OF STEAM**A. STEAM CONSUMPTION DETAILS**

S.No.	Name of Equipment	MT/hr	Pressure kg/cm ² / psi	Temp. °C
1				
2				
3				
4				

B. CONDENSATE RECOVERY

- i) Whether condensate recovery is being done : Yes / No
- ii) Approximate quantity of condensate recovery done :

C. STEAM TRAPS

- i) Approximate No. of steam traps being used :
- ii) Type of steam Traps :

NOTE: PLEASE ATTACH ADDITIONAL SHEETS IF REQUIRED.

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