

PUNJAB STATE POER CORPORATION LTD., G.H.T.P. LEHRA MOHABAT

YY/130557 (Sp Mr T)

TURBINE GENERATOR RECORD REGISTER NO. 1 (LOCAL)

DAY.....DATE.....UNIT NO.....

TIME	GOVERNING SYSTEM											TURB. EXPANSION		TURBINE BEARING TEMP.							LPH 1			LPH 2			LPH 3			REMARKS								
	Turbine Speed In RPM	Secondary Oil (IP) Pressure	Secondary Oil (HP) Pressure	Aux. Sec. Oil Pressure	Start Up Oil Pressure	Trip Oil Pressure	Control Oil Pressure	Aux. Trip Oil Pressure	Test Oil Pressure	Primary Oil Pressure	Aux. Start up Oil Pressure	Absolute Expan. HPT	Absolute Expan. IPT	Bearing No. 1	Bearing No. 2	Bearing No. 3	Bearing No. 4	Bearing No. 5	Bearing No. 6	Bearing No. 7	Inlet Temp.	Outlet Temp.	Extn. STM Temp.	Vacuum	Level	Inlet Temp.	Outlet Temp.	Extn. STM Temp.	Vacuum		Level	Inlet Temp.	Outlet Temp.	Extn. STM Temp.	Vacuum	Level		
Operating Value	3000 RPM			4.2 Kg/Cm ²	5.0 Kg/Cm ²	5.0 Kg/Cm ²	6.4 Kg/Cm ²					25 mm	14 mm M32	65°C	65°C	65°C			65°C																			
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PUNJAB STATE POWER CORPORATION LTD., G.H.T.P., LEHRA MOHABBAT

B.F.P. Record Register (Local) Stage-1

(Jtar sur)

YY 131583

DAY DATE UNIT

TIME	HYDRAULIC COUPLING						WORKING OIL			LUBE OIL			BOOSTER PUMP						BOILER FEED PUMP										B. F. P. MOTOR						REMARKS																		
	BEARING TEMP						INLET TEMP.	OUTLET TEMP.	OIL PRESSURE	INLET TEMP.	OUTLET TEMP.	OIL PRESSURE	DIFF. PR. ACROSS FILTER	SUCTION PRESSURE	DISCHARGE PR.	SAUCE LEM/OFF PR.	SEAL COOLER CW TEMP		TRIPLE END BRG. OIL PR.	DE. END BRG. OIL PR.	FEED WTR JACKET TEMP	FEED WTR JACKET TEMP	WFO TEMP		SCOOP BE POSITION	SEAL WATER TEMP MECH SEAL				DL BEARING TEMP	NUT BEARING TEMP	AIR TEMP		OIL PR. TO JRN. BRG.		PERCENTAGE LOAD	COUNTER TEMP	OIL FILTER IN OIL															
	BREAKING NO. 1	BREAKING NO. 2	BREAKING NO. 3A	BREAKING NO. 5	BREAKING NO. 4	BREAKING NO. 7/10											INLET	OUTLET					INLET	OUTLET		INLET	OUTLET	INLET	OUTLET			INLET	OUTLET	INLET					OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
Normal Value	70° C	70° C	70° C	70° C	70° C	70° C	70° C	110° C	45° C	65° C	2.5 kg/cm ²	0.5 kg/cm ²	0.5 kg/cm ²	0.2 kg/cm ²	2.5 kg/cm ²	0.5 kg/cm ²	65° C	65° C	0.5 kg/cm ²	0.5 kg/cm ²	162° C	167° C	70° C	70° C	%	60° C	70° C	80° C	70° C	65° C	65° C	40° C	60° C	0.5 kg/cm ²	0.5 kg/cm ²	NORMAL	60° C	AS															
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(S2no 3) YY130644

PUNJAB STATE POWER CORPORATION LTD., G.H.T.P., LEHRA MOHABBAT

SEAL OIL AND STATOR WATER RECORD REGISTER (LOCAL) STAGE-2

DAY DATE UNIT

Time	SEAL OIL PUMP IN SERVICE	SEAL OIL PUMP MOTOR CURRENT	VACUUM PUMP IN CKT	FILTER IN CKT	FILTER CONDITION	SEAL OIL PUMP DISCHARGE PR.	SOT VACUUM	SEAL OIL TEMP. COOLER OUTLET	SEAL OIL TEMP. COOLER INLET	C.W. TO COOLER TEMP INLET	C.W. TO COOLER OUTLET	SOT LEVEL	ROT LEVEL	DUPLEX FILTER IN CKT	% ZOP CHOKING	SUPPLY PR.	DP (TE)	DP (EE)	GAS PR. IN GEN. CASING	H ₂ PR. IN MANIFOLD	H ₂ PURITY	CLEAN OIL TANK LEVEL	DIRTY OIL TANK LEVEL	REMARKS		
Normal Parameters		15 A/5A				12 Kg/Cm ²	0.41 Kg/Cm ²	45	57.5			20 (75)	25 (75)		%		1.5 Kg/Cm ²	1.5 Kg/Cm ²	4.0 Kg/Cm ²	5.5 Kg/Cm ²	97%		66°C			
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(Ghan 2005) Y130555

PUNJAB STATE POWER CORPORATION LTD., G.H.T.P., LEHRA MOHABAT

SERVICE AIR COMPRESSOR RECORD LOG SHEET STAGE-1

DAY _____ DATE _____ UNIT NO. _____

Time	SERVICE AIR COMPRESSOR											SERVICE AIR COMPRESSOR											REMARKS												
	L. P. CYLINDER				H. P. CYLINDER				CRANK CASE			L. P. CYLINDER				H. P. CYLINDER				CRANK CASE															
	AIR SUCTION PR.	AIR OUTLET PR.	SUCTION AIR TEMP.	OUTLET AIR TEMP.	BCW INLET TEMP.	BCW OUTLET TEMP.	AIR INLET TEMP.	AIR OUTLET TEMP.	AIR OUTLET PR.	BCW OUTLET TEMP.	LUBE OIL PRESS	LUBE OIL TEMP.	LUBE OIL LEVEL	AIR PR. IN AFTER COOLER	AIR TEMP. IN AFTER COOLER	AIR SUCTION PR.	AIR OUTLET PR.	SUCTION AIR TEMP.	OUTLET AIR TEMP.	BCW INLET TEMP.	BCW OUTLET TEMP.	AIR INLET TEMP.		AIR OUTLET TEMP.	AIR OUTLET PR.	BCW OUTLET TEMP.	LUBE OIL PRESS	LUBE OIL TEMP.	LUBE OIL LEVEL	AIR PR. IN AFTER COOLER	AIR TEMP. IN AFTER COOLER	BCW HEADER PR.	AIR PR. AT RECEIVER	COMP-A	COMP-B
0 to 5000	2.5	2.5	without temp.	10	10	10	10	10	2.5	2.5	2.5	Not less than min.	2.5	2.5	2.5	2.5	2.5	without temp.	10	10	10	10	10	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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P.W. JAB STATE POWER CORPORATION LTD., G.H.T.P. LEHRA MOHABBAT

DAILY LOAD POSITION OF 220 KV LINES AND TRANSFORMERS (AMPERES ON 220 KV SIDE)

Item No. 6/ 4/130581

401

Date:

EQUIPMENT	2:00	4:00	6:00	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	24:00	REMARKS
BARNALA-I													
BARNALA-II													
HIMATPURA-I													
HIMATPURA-II													
BAJAKHANA-I													
BAJAKHANA-II													
BATHINDA-I													
BATHINDA-II													
MAUR													
DHANAUJA													
GT-I													
GT-II													
GT-III													
GT-IV													
ST-I													
ST-II													
ST-III													
ST-IV													
160 MVA T/F T1													
160 MVA T/F T2													

JE Substation
GHTP, Lehra Mohabbat

Shift Change Engineer
Shift :-

Item serial 7 (47630507)

DETAIL OF ENERGY RECEIVED/SENT OUT AT 220KV S/STN.

GHTP. LEHRA MOHABBAT

Description		Reading on Meters		Difference	Multiplying Factor
		As on Previous Day			
		24.00 Hrs.	00.00 Hrs.		
Energy Received at 220KV S/Stn	GT-I				1600
	GT-II				1600
	GT-III				1600
	GT-IV				1600
	Total				
Energy Received at 220KV S/Stn. GHTP FROM	Barnala-I				1600
	Barnala-II				1600
	Himmatura-I				1600
	Himmatura-II				1600
	Bajakhana-I				1600
	Bajakhana-II				1600
	Bathinda-I				1600
	Bathinda-II				1600
	Talwandi Sabo				1600
	Dhnaula				1600
Total				1600	
Energy Sent out from 220KV S/Stn. GHTP (excluding ST-IV)	Barnala-I				1600
	Barnala-II				1600
	Himmatura-I				1600
	Himmatura-II				1600
	Bajakhana-I				1600
	Bajakhana-II				1600
	Bathinda-I				1600
	Bathinda-II				1600
	Talwandi Sabo				1600
	Dhnaula				1600
	160 MVA T/F				600000
	160 MVA T/F 2				10000
	Total				
Energy drawn from 220KV S/Stn.	ST-I				250
	ST-II				250
	ST-III				250
	ST-IV				250
	Total				

JE Sub-Station
G.H.T.P. Lehra
Mohabbat

SHIFT CHARGE ENGINEER
SHIFT.....G.H.T.P. LEHRA MOHABBAT



PUNJAB STATE POWER CORPORATION LTD., GHTP LEHRA MOHABBAT

MOT DAILY SITE LOG SHEET NO. 2

STAGE 1

DAY.....DATE.....UNIT NO.....03

Ham san 8 (yy 130519)

TIME	MOT LEVEL	DUPLEX FILTER IN CKT.	FILTER CONDUCTOR	AOP		EO (DC) DISCH. PR.	JOP (AC) DISCH PR.	JOP (DC) DISCH PR.	M.O.P. SUC. PR. AFTER INJECT-II	M.O.P. DISCH PR. BEFORE INJECT-I	L. O. PR. BEFORE COOLER	LUBE OIL COOLER IN CKT.	L.O. COOLER INLET TEMP.	L.O. COOLER OUTLET TEMP.	LUBE OIL TEMP. AFTER MIXING VALVE	COOLING WAT. TO L.O. COOLER		HEATER IN CKT.			INLET OIL PR. P1	OIL PR. BEFORE HEATER P2	OIL PR. AFTER HEATER P3	OIL PR. BEFORE FILTER P4	OIL PR. AFTER FILTER P5	CENTRIFUGE OIL PUMP MOTOR CURRENT	CONTROL SUPPLY ON/OFF		VAPOUR EXHAUST FAN IN CKT.	AUTO TEST SWITCH ON AUTO		REMARKS		
				INLET TEMP.	OUTLET TEMP.											OIL TEMP. T1	OIL TEMP. T2	OIL TEMP. T3	JOP	EOP							JOP	EOP						
																			Fire Protection O.K.															
Normal Parameters				KG	KG	KG	KG	KG	KG	KG			KG	KG	KG																			
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(Item Sr No. 9) 44/30542

PUNJAB STATE POWER CORPORATION LIMITED, G.H.T.P. LEHRA MOHABBAT

220/66 KV YARD DAILY LOG SHEET

TIME	SST-A 2 MVA			SST-B 2 MVA			ST-I 20/31.5 MVA			GT-I 250 MVA			UAT-1A 15 MVA			UAT-1B 15 MVA			UST-1A 2 MVA			UST-1B 2 MVA			ST-II 20/31.5 MVA			GT-II 250 MVA			UAT-2A 15 MVA			UAT-2B 15 MVA			Remarks
	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level	Wdg Temp.	Oil Temp.	Oil Level				
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TIME	EST-1A			EST-1B			GTS	LVT-3B	LVT-1A	ST-4	GT-4	LVT-4B	OIL TEMP	150 MVA T1	100 MVA T1	BATTERY	WEA	ENERGY METER
	Wtg Temp	Oil Temp	Oil Level	Wtg Temp	Oil Temp	Oil Level												
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Item No - 15 (Yr 630506)



**PUNJAB STATE POWER CORPORATION LTD., G.H.T.P., LEHRA MOHABAT
220 KV SUB STATION RECORD REGISTER (LOCAL) STAGE-1**

DAY.....DATE.....UNIT.....

TIME	220 KV BUS CORNULIN A-11		220 KV BAHNULAKI A-22		220 KV BAHNULAKH A-22		GT-4 A-21		ST-4 A-20		GT-3 A-19		ST-3 A-18		220 KV HANDEPUR A-1		220 KV HANDEPUR A-2		220 KV BAHNULAKH-1 A-3		220 KV BAHNULAKH-2 A-4		220 KV BAHNULAKH-3 A-5		GT-2 A-6		ST-2 A-7		220 KV BAHNULAKH-4 A-6		
	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	AMPS	MVAR	
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PUNJAB STATE POWER CORPORATION LTD., G.H.T.P., LEHRA MOHABAT
220 KV SUB STATION RECORD REGISTER (LOCAL) STAGE-1 90

DAY..... DATE..... UNIT

TIME	220 KV A8 MVAR	220 KV A8 DVAR	220 KV A10 A-11	220 KV A10 A-12	220 KV A13 BUS COUPLER	BUS-1 KV	BUS-2 KV	220 KV A14 100 MVA T1	220 KV A15 100 MVA T2	Top Position T 1	Top Position T 2	66 KV VOLTAGE	66 KV INCOMER CC-1	66 KV INCOMER-1 C1	66 KV INCOMING C10	66 KV BALIANWALI C9	66 KV VIKRAMFAC. C8	66 KV BHAI RUPA C2	66 KV L.M. C6	66 KV BIC C4	66 KV Mathana C3	66 KV R/Pura C5	66 KV CAP BANK C7	66 KV Phul-2 C11	66 KV Phul-1 C12	66 KV Bhicho C13	Weather	
1	MW	MVAR	MW	MVAR	MW	MVAR	AMP	HZ	KV	KV	MW	MVAR	AMPS/YIB	MW	MVAR	AMPS												
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Station 11 441305/6

THERMAL PLANT, LEHRA MOHABBAT

Register

Page No.

P.T.W. Issued				Clearing of P.T.W.			Cancellation of P.T.W.			Remarks
P.T.W. No.	To whom issued	From	To	Date	Time	Signature with Desig.	Date	Time	Signature with Desig.	

GURU HARGOBIND

P.T.W.

S. No.	Date	Time	Name Desing & Cell of Person Seeking P.T.W.	Name of Equipment	Date & Period of P.T.W. Equipment	Signature of Person Seeking PTW	PTW Approved By :