

25.5.19

YY 6305/5

# 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 O.K.T	FILTER IN O.K.T	FILTER CONDITION	SEAL OIL PUMP DISCHARGE PR.	SOT VACCUM	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 O.K.T	ZDF CHOKING	SUPPLY PR.	DP (TE)	DP (EE)	GAS PR. IN CASING	H2 PR. IN MANIFOLD	H2 PURITY	CLEAN OIL TANK LEVEL	DIRTY OIL TANK LEVEL	REMARKS		
Number		13.5 AMP				kg/cm <sup>2</sup>	0.41 kg/cm <sup>2</sup>	45	57.5			20 mm	25 mm		%		1.5 kg/cm <sup>2</sup>	1.5 kg/cm <sup>2</sup>	4.0 kg/cm <sup>2</sup>	5.5 kg/cm <sup>2</sup>	97%		80°C			
1																										
2																										
3																										
4																										
5																										
6																										
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*Signature*

ਮਹਾਂਸ਼ਵਰ ਬਰਹਮਦਾਰੀ ਸਿੰਘ  
ਮਿਸਟਰ ਏ-2 (ਸੀ) ਐਚ.ਟੀ.ਪੀ.  
ਕਾਰਜ ਪ੍ਰਭਾਵ (ਕਾਰਜ)

Signature	Night Shift	Morning Shift	Evening Shift
SSO/SSA			
ASCE			
SCE			

Syno 20 (P/V 630591)

PUNJAB STATE POWER CORPORATION LTD., G.H.T.P., LEHRA MOHABBAT  
 6.6 KV SWITCH BOARD-OCA 6.6 KV UNIT SWDB-OCB STAGE-II

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

30/12

TIME	REMARKS
1	1.5 MVA SPARE TRF. FDR
2	1800 KW. SPARE MOTOR FDR
3	1.5 MVA PT. PLANT SER MOTOR FDR (OGBT-01)
4	IN COME FROM ST-3 (OAT-1)
5	KV
6	17IE TO CHP SWBD. (BUS-A)
7	1800 KW CW PUMP -3C
8	TIE FROM STN. SWBD -OCC
9	KV
10	425 KW MILL 3E
11	425 KW MILL 3 F
12	BUS. PT.
13	275 KW (AC) AIR COMP A
14	TIE TO UNIT SWDB-OCA
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
1	TIE TO UNIT SWDB-XCB
2	275 KW (AC) AIR COMP B
3	BUS. PT.
4	180 KW CW PUMP -3C
5	250 KW FAN PUMP-3A
6	TIE TO FROM STN SWBD-OCC
7	K.V.
8	TIE TO CHP CUM HP SWBD-OCC (BUS-A)
9	2 MVA STN. SER TRF. (OGBT-01)
10	IN COME FROM ST-3 (OAT-01)
11	K.V.
12	250 KW SPARE MOTOR FDR
13	2 MVA SPARE TRF. FDR

Handwritten notes in Urdu script, including "APV JPA" and "SSO/SSA".

Signature: APV JPA      Night Shift:      Morning:      Evening:

ASCE:      SCE:





Ss 110 (22)

(44/30588)



# PUNJAB STATE POWER CORPORATION LTD. LOG SHEET & H.O./T.O. OF J.P.A. (P) 06 CLARIFIER STAGE-I

Time Hrs.	Pump Position	RAW WATER PUMPS (IN TAKE)				PWR SLUDGE PUMP		CLEAR WATER TANK LEVEL	ALUM DOSING PUMPS				LEVEL OF		S.W.P.		
		1	2	3	4	1	2		ALUM		TANK		1	2	3		
									1	2	3	4					
	START																
	STOP																
	START																
	STOP																
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	START																
	STOP																
	START																
	STOP																

1. ALUM BAGS : CONSUMED..... BALANCE=.....

2. TURBIDITY : CLARIFIER-1..... CLARIFIER-2.....

Cooling tower 1/3..... Cooling Tower 2/4.....

3. CHLORINATION

POSITION	INTAKE	PWR	TEMP °C
Close/Running	.....	.....	.....
Cylinder No.	.....	.....	.....

4. LEVEL OF :- LAKE..... SLUDGE POND.....

5. Pumps Are in service
- a) Raw Water Pump .....
  - b) P.W.R. Pump .....
  - c) Alum Dosing Pump .....
  - d) Service Water Pump .....
  - e) .....

T.O.  
(J.P.A.)

Sr. Chemist

H.O.  
(J.P.A.)



23 44630535



**PUNJAB STATE POWER CORPORATION LTD.**

**24 LOG SHEET & H.O./T.O. OF J.P.A. (P)  
CLARIFIER STAGE-II**

Time Hrs.	Pump Position	RAW WATER PUMPS (IN TAKE)				AD		CLEAR WATER TANK LEVEL	LEVEL OF		C.W. MAKE UP PUMP	SLUDGE PUMP		
		1	2	3	4	1	2		ALUM	TANK		1	2	3
	START													
	STOP													
	START													
	STOP													
	START													
	STOP													
	START													
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	STOP													
	START													
	STOP													

1. ALUM BAGS : CONSUMED..... BALANCE=.....  
 2. TURBIDITY : CLARIFIER-1..... CLARIFIER-2.....  
 Cooling tower 1/3..... Cooling Tower 2/4.....

3. CHLORINATION

POSITION	INTAKE	PWR	TEMP °C
Close/Running	.....	.....	.....
Cylinder No.	.....	.....	.....

4. LEVEL OF :- LAKE..... SLUDGE POND.....

5. Pumps Are in service
- a) Raw Water Pump .....
  - b) P.W.R. Pump .....
  - c) Alum Dosing Pump .....
  - d) Service Water Pump .....
  - e) .....

T.O. (J.P.A.) ..... Sr. Chemist ..... H.O. (J.P.A.) .....

(24) *Hum on 24 (44130617)*  
**PUNJAB STATE POWER CORPORATION LTD.**

H.O./T.O. of JPA (CDR)  
 Chemical Department, GHTP, Lehra Mohabbat.

Date:  
 Day:  
 Shift:

Time	UNIT	Hydrazine + Ammonia Dosing				Phosphate Dosing			
		PUMP	STROKE	TANK IN SERVICE	TANK LEVEL	PUMP	STROKE	TANK IN SERVICE	TANK LEVEL
	I	PLP1				PLP1			
		PLP2				PLP2			
	II	PLP3				PLP3			
		PLP4				PLP4			
	III	PLP5				PLP5			
		PLP6				PLP6			
	IV	PLP7				PLP7			
		PLP8				PLP8			
	I	PLP1				PLP1			
		PLP2				PLP2			
	II	PLP3				PLP3			
		PLP4				PLP4			
	III	PLP5				PLP5			
		PLP6				PLP6			
	IV	PLP7				PLP7			
		PLP8				PLP8			
	I	PLP1				PLP1			
		PLP2				PLP2			
	II	PLP3				PLP3			
		PLP4				PLP4			
	III	PLP5				PLP5			
		PLP6				PLP6			
	IV	PLP7				PLP7			
		PLP8				PLP8			
	I	PLP1				PLP1			
		PLP2				PLP2			
	II	PLP3				PLP3			
		PLP4				PLP4			
	III	PLP5				PLP5			
		PLP6				PLP6			
	IV	PLP7				PLP7			
		PLP8				PLP8			

Chemicals

N2H4  
 NH3  
 PO4

*Same quantity on back side.*  
 Consumption Balance

Ramarks / Faults

*Al*

T.O. / JPA

Senior Chemist

Shift Chemist

H.O. / JPA



4) 20.10.25 (130587)



PUNJAB STATE POWER CORPORATION LTD.  
CHEMICAL DEPARTMENT GHTP, LEHRA MOHABAT  
H.O./T.O. OF LAB. ASSTT.

DM PLANT - I

DATE.....  
DAY.....  
SHIFT.....

- 1. D.M. PLANT POSITION.....IN SERVICE / ISOLATED
- 2. D.M. WATER PRODUCTION.....M<sup>3</sup>
- 3. D.M. WATER CONSUMPTION.....M<sup>3</sup>
- 4. D.M. WATER STORAGE

Time	T1	T2	CST1	CST2	TOTAL (M <sup>3</sup> )
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5. REGENERATION-DONE / DUE

LOAD ON EXCHANGES	SAC-1	SAC-2	SBA-1	SBA-2	MB-1	MB-2
.....	.....	.....	.....	.....	.....	.....

7. CHEMICAL CONSUMPTION DURING SHIFTS BALANCE

- I) HYDROCHLORIC ACID.....
- II) CAUSTIC LYE FLAKES.....
- III) POLY ELECTROLYTE.....
- IV) ALUM.....
- V) LIME.....
- VI) SODIUM SULPHITE.....
- VII) B. POWDER.....
- VIII) SOD. HYPOCHLORIDE.....

RAW WATER CLARITY.....RW.....  
 SLUDGE BLANKET CLARIFIER NO. 1.....CLARIFIER NO. 2.....

- 8. ALKALI DIL TANK POSITION FOR SBA.....
- 9. ACID DIL TANK POSITION FOR MB.....
- 10. ACID DIL TANK POSITION FOR MB SAC.....
- 11. ALKALI DIL TANK POSITION FOR MB.....
- 12. D.M. WATER TRANSFER PUMP POSITION.....

13. LEVEL OF STORAGE TANK..... T1..... T2..... TOTAL

ACID.....

C.LYE.....

14. FAULT/UNDER PERMIT/MTC.....

.....

.....

15. REQUIREMENT

16. ATTENDANCE

17. Running Hrs. of Dmp-l

18. STOCK

1) FAN.....2) TELEPHONE.....3) TABLE.....

4) CHAIR.....5) HEATER.....6) TORCH.....

7) STOOL.....8) PH METER.....9) Condy Meter.....

21. REMARKS.....

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(T.C.)  
LAB ASSTT.

(H.O.)  
LAB ASSTT.

SR. CHEMIST

DY. Ch. CHEMIST



ju 256 YY 130662

PUNJAB STATE POWER CORPORATION LTD. G.H.T.P. LEHRA MOHABBAT  
 CHEMICAL DEPARTMENT H.O./T.O. LAB. ASSTT.  
 DM PLANT-II

4P

08

Date.....  
 Day.....  
 Shift.....

1. D.M. PLANT POSITION.....IN SERVICE/ISOLATED  
 2. D.M. PLANT PRODUCTION.....M<sup>3</sup>  
 3. D.M. PLANT CONSUMPTION.....M<sup>3</sup>

Time (Hrs.)	#3	#4	DMC	REG	Before	D.M. Water		TOTAL CONSUMPTION (M <sup>3</sup> )
						FROM ST-I	TO ST-II	
TOTAL								

4. D.M. WATER STORAGE

TIME (Hrs.)	SDM3	SDM4	CST3	CST4	TOTAL (M <sup>3</sup> )
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....

5. REGENERATION DONE/DUE

6. LOAD ON EXCHANGES

	SAC	SBA	MB
7. CHEMICAL	.....	.....	.....]
	CONSUMED DURING SHIFT		BALANCE

- I) HYDROCHLORIC ACID.....  
 II) CAUSTIC LYE.....  
 III) SODIUM HYPOCHLOORITE.....

8. LEVEL OF U.F. DOSING TANKS

- a) LEVEL OF SODIUM HYPOCHLORITE TANK .....  
 b) THE LEVEL OF CASTIC LYE TANK .....  
 c) LEVEL OF HYDROCHLORIC ACID TANK .....

9. LEVEL OF ACID/CAUSTIC LYE DIL. TANK

- a) ALKALI DIL. TANK FOR SBA: .....  
 b) ACID DIL. TANK FOR SAC: .....  
 c) ACID DIL TANK FOR MB: .....  
 d) ALKALI DIL TANK FORMB .....

10. D.M. WATER TRANSFER PUMP POSITION.....

11. LEVEL OF STORAGE TANK:	TANK LEVEL	BALANCE
ACID		
C. LYE		

12. FAULT/UNDER PERMIT/MTC.....  
 .....  
 .....

13. REQUIREMENT

14. ATTENDANCE

15. RUNNING HRS. OF D.M. PLANT

16. STOCK

1) TELEPHONE.....2) TABLE.....3) CHAIRS.....

4) HEATER.....5) PH METER.....6) CONDY METER.....

7) OTHER MATERIALS.....

17. i) SET OF CYCLE FOR CEB .....

ii) ENCLASPED CYCLE FOR CEB .....

18. REMARKS

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(T.C.)  
LAB. ASSTT.)

(H.O.)  
LAB. ASSTT.)

Sr. Chemist

Dy. CH. CHEMIST



6

Item No. 27 (YV/305M7)



**PUNJAB STATE POWER CORPORATION LTD.**  
**CHEMICAL DEPARTMENT GHTP LEHRA MOHABBAT**  
**PRODUCTION/CONSUMPTION OF DM WATER (STAGE I/II)**

DAY 30 DATE \_\_\_\_\_

Time	DMW Prod. m3	DMW STORAGE M <sup>3</sup>					DMW TRANSFER TO M <sup>3</sup>			DMW CONSUMPTION M <sup>3</sup>						
		CST-I	CST-II	CST-I	CST-I	SDM-I	SDM-II	TOTAL	CST-I	CST-II	TOTAL	UNIT-I	UNIT-II	REGN. BEFORE SYNCH	TOTAL	
23-00																
23-00																
00-00																
Total																
PREV DAY TOTAL																
01-00																
02-00																
03-00																
04-00																
05-00																
Total																
06-00																
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20-00																
21-00																
Total																

Sign. of LA \_\_\_\_\_ N \_\_\_\_\_ M \_\_\_\_\_ E \_\_\_\_\_ Sign. of Sr. Chemist \_\_\_\_\_ N \_\_\_\_\_ M \_\_\_\_\_ E \_\_\_\_\_

Chief Chemist/Water  
G.H.T.P., LEHRA MOHABBAT











