

## **130 MLD STP Jajmau Site Inspection Report**

**Joint Inspection report of 130 MLD STP Jajmau for ongoing construction works by UPJN team (Presence of UPJN Chief Engineer and EE E&M), STC and KRMPL Representative as given below:-**

<b>Date of site visit</b>	<b>17/10/2023</b>
<b>Visit Team &amp; Persons met</b>	Mr. Anil Kumar Seth—Team Leader (I/C), STC Kanpur Mr. D.K. Gautam, AE UPJN MR. Bipin Pal, JE UPJN Kanpur Mr. Indra Deo Pandey, Support Engineer, STC Kanpur Mr. Ankit Singh, JE UPJN Kanpur Mr. Ashish shyal JE UPJN Kanpur  Mr. Vijay Jadhav – Civil Engg, KRMPL, Kanpur Mr. Jadab Karmakar –Mech. Engg, KRMPL Kanpur Mr. Alokesh Das –Electrical Engg. , KRMPL Kanpur
<b>Location</b>	<b>130 MLD STP Jajmau</b>

### **CIVIL Works of CCT & TEPH**

**TEPH-** Brick work, plaster work and finishing work were pending. About 90% work progress was observed.



**TEPH**

**CCT & Common Chanel-**Inlet chamber construction, connecting channel and finishing works are pending. About 90% work progress was observed.



CCT



Common Chanel



**Chlorination Building-** Slab shuttering and reinforcement work were in progress. Brick work, plaster work, finishing work and approach road is pending.



**Chlorination building**

### **Electromechanical works of CCT & TEPH**

After completion of civil works mechanical works are to be started. List of mechanical materials required along with supplied and pending is enclosed.

MATERIALS STATUS FOR TEPH AND CCT					
TEPH MATERIALS					
SL NO.	ITEM	UNIT	Req. Qty	Supplied Qty.	STATUS
1	PUMP	NOS	11	11	AVAILABLE
2	SIUICH VALVE	NOS	11	11	AVAILABLE
3	PIPE (DIFFERENT DIA)	R.M	130	130	AVAILABLE
4	NUT BOLT WITH DOUBLE WASHER	NOS			NOT AVAILABLE
5	BUTTERFY VALVE	NOS	11	11	AVAILABLE
6	NRV	NOS	11	11	AVAILABLE
7	DM JOINT	NOS	11	11	AVAILABLE
8	PADDLE PIPE	NOS	11	11	AVAILABLE
9	DISTANCE PIPE	NOS	11	11	AVAILABLE
10	ELBOW 90 DEGREE	NOS	11	11	AVAILABLE
11	ECENTRIC REDUCER	NOS	11	0	NOT AVAILABLE
12	CONCENTRIC REDUCER	NOS	11	11	AVAILABLE
13	ELBOW 90 DEGREE (1200 DIA)	NOS	1	0	NOT AVAILABLE
14	FLANGE AND GASKET (1200 DIA)	NOS	1	0	NOT AVAILABLE
15	BLIENT FLANGE (1200 DIA)	NOS	1	0	NOT AVAILABLE
16	ISMB 300	RM	72	0	NOT AVAILABLE
CCT MATERIALS					
1	BOOSTER PUMP	NOS	2	2	AVAILABLE
2	CHLORINE TONNER	NOS	16	0	NOT AVAILABLE
3	SUCTION AIR BLOWER	NOS	2	2	AVAILABLE
4	NURILIZATION TANK	NOS	1	0	NOT AVAILABLE
5	FRP PIPE	RM	30	0	NOT AVAILABLE
6	CHLORINATOR UNIT	NOS	2	2	AVAILABLE
7	ROLLER BASE	NOS	32	32	AVAILABLE
8	INJECTOR	NOS	2	2	AVAILABLE
9	REGULATOR	NOS	2	2	AVAILABLE
10	FILTER	NOS	2	2	AVAILABLE
11	UPVE PIPE	RM	12	12	AVAILABLE
12	MS PIPE	RM	30	30	AVAILABLE
13	CHLORINE SENSOR UNIT	NOS	4	0	NOT AVAILABLE
14	PRESSURE GAUGE	NOS	4	4	AVAILABLE
15	COPPER TUBE	NOS	16	16	AVAILABLE
16	VACUM GAUGE	NOS	2	2	AVAILABLE
17	SAFETY TOOL BOX	NOS	1	1	AVAILABLE
18	CENTRIFUGAL PUMP	NOS	2	2	AVAILABLE

## **Target Dates-**

1. Construction manager KRMPL informed in presence of chief engineer all the civil works shall be completed by **30/10/23**.
2. As per **RoD** of review meeting on **30/09/2023** of DG NMCG mechanical erection shall be completed by **15/11/23** and TEPH and CCT to be functional by **30/11/23**.

## **HT LT Panel Civil work**

Finishing works, painting works, approach road work, gate and Window works are pending.



**HT LT Panel Room**

## **HT LT Panel E&M work**

1. In 11/0.44 KV substation 1600 KVA new transformer has been installed. Oil filtration/BDV test done. Pre commissioning of transformer is pending. Cable termination work is in progress. There are 4 no's transformers 1600 KVA (New), 1600 KVA (Old), 1600 KVA (Old) and 1000 KVA (Old). It is proposed by KRMPL to use 1600 KVA 3 no's transformers for 130 MLD STP and 1000 KVA (Old) for 43 MLD STP.
2. Remote tap changing control (RTCC) panel erection works done. Cable termination is in progress.
3. HT VCB panel with 3 no's outgoing has been installed in which cable termination is in progress.
4. LT panels have not received and therefore erection is pending.
5. Internal electrification and installation of exhausts fan are yet to be done.





### **Installation of HT Panel in the panel room**

### **Belt Filter Press**

1. All four BFP were reported by KRMPL to be installed but at the time of inspection none of them were in operation and no staffs were present at site to show the operation. OEM has also left who were here to commission to newly install BFP. The progress of OEM visit for commissioning has not been reported. Neither anything at site was informed.
2. Two bores to supply water for BFP were to be made but only one bore has been made through which requirement of water for 3 no's BFP is insufficient for operation (3 working and 1 standby).
3. Hand railing work, painting work and finishing works are pending.

### **Digester**

**Digester 1-** It was informed that 1.5 M desalting work is still pending.

**Digester 2-** Inside painting work has not been completed.

### **Biogas Engine**

Two no's supplied but they are yet to be installed. Radiator supply is pending. EOT not functional which is hindrance for their installation.

## **DG Sets**

Two no's foundations are made but supply of DG sets are pending.

## **Chimney & Gas Pipeline work**

1. Chimney foundation has been made. Fabrication of 3/4 Chimney has been done.
2. Gas pipeline work from digester to gas holder total length 166 m but it is not laid.
3. Total pedestals 90 no's, Excavation completed 59 no's and concreting work completed 59 no's.

**Ventilation Room-** Water tank wall construction work and finishing work are pending.

**Gas Holder-** Foundation construction and hand railing work are pending.

**Scrubber Unit-** Shed structure is pending. Mechanical equipment only placed on foundation. Dehumidifier supply is pending.

**Inlet Panel Room-** Cable trench construction work and approach road are pending.

## **OTHERS(Information to be updated).**

For 130 MLD STP and associated faculties IPS and CSPS material required/received/installation progress given by EE (E&M) vide their letter no 2430/W-21/74 dated 04/10/2023 which is to be updated by KRMPL as no information of new material arrival has been furnished by KRMPL.

## **NOTE**

1. Manpower deployment by KRMPL is inadequate and there is lack of continuity in work.
2. Housekeeping is very unsatisfactory.
3. Compliance of inspection reports are not given by KRMPL.
4. Old dismantle material stacking is not properly done and no record is being made.

This inspection report is being issued with consent and on behalf of UPJN.