

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL PRINCIPAL  
BENCH AT NEW DELHI**

**ORIGINAL APPLICATION NO. 366 OF 2023**

**IN THE MATTER OF:**

RAJESH KUMAR DOKWAL

..... Petitioner

Versus

GOVT OF NCT OF DELHI

.... Respondents

**NDOH: 10.07.2024**

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Filed by

Delhi Pollution Control Committee

Delhi

Dated:-05.07.2024

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH AT NEW DELHI

ORIGINAL APPLICATION NO 366 / 2023

**In the matter of:**

Rajesh Kumar Dokwal

..... Applicant

Versus

Govt. of NCT of Delhi

..... Respondent(s)

**STATUS REPORT ON BEHALF OF DELHI POLLUTION CONTROL  
COMMITTEE (DPCC) WITH RESPECT TO ORDER DATED 15.01.2024  
& 03.04.2024.**

1. That this Hon'ble Tribunal has taken up the above referred matter on 15.01.2024 and ordered as follows :

“ .....

5. *Having, regard to the circumstances of the case and in order to ascertain the correct position, we direct the Member Secretary, CPCB to carry out the sample analysis from Inlet and Outlet of all the four STPs with reference to BOD, SS and FC and submit the report before the Tribunal at least one week before the next date of hearing. It will be open to the DPCC and DJB to file fresh report indicating the progress at least one week before the next date of hearing.”*

2. That Water Laboratory of DPCC conducted analysis of samples from the Inlet and Outlet of STPs at Kondli Phase-I, Phase-II, Phase-III & Phase-IV in respect of BOD, COD, TSS, Ammonical Nitrogen, Dissolved Phosphate as P & Faecal Coliform. Brief of Analysis Report in respect of June, 2024 is briefed below:

S. No.	Name of STP	Capacity (in MGD)	Compliance Status
1	STP Kondli Phase-I	10	Meeting all the parameters analysed by DPCC Laboratory.
2	STP Kondli Phase- II & III	25 (Phase-II) 10 (Phase-III)	Meeting all the parameters analysed by DPCC Laboratory.
3	STP Kondli Phase- IV	45	Meeting all the parameters analysed by DPCC Laboratory.

Copy of the Analysis Reports of STPs at Kondli for the month of June, 2024 is enclosed as **Annexure-1.**

3. That inspection of the STPs at Kondli Phase I, II, III & IV was also carried out by a team of DPCC officials on 03.07.2024. Brief of the observations of Inspection dated 03.07.2024 is as below:

- i. Liquid Line of all four phases of STP Kondli has been rehabilitated and found operational.
- ii. Some of the Sludge Handling Units (03 No. of Digesters in respect of Phase II & III, 01 No. of Digester & 01 no. of Gas Holder) of all 04 phases have not been commissioned yet and are under different stages of rehabilitation / testing.

Copy of the Inspection Report dated 03.07.2024 of DPCC is at **Annexure – 2.**

4. That, DPCC vide letter dated 05.07.2024 directed DJB to rectify deficiencies observed during inspection carried out by DPCC Officials on 03.07.2024 .

Copy of the letter dated 05.07.2024 of DPCC to DJB is at **Annexure-3.**

5. That, Delhi Jal Board vide email dated 04.07.2024 has provided Status of all four STPs at Kondli and copy of the same is enclosed as Annexure- 4.
6. That, above Status Report may please be taken on records for consideration / further directions please.



(Dr. K. S. Jayachandran)  
Member Secretary,  
Delhi Pollution Control Committee

Delhi

Dated : 05.07.2024.



**DELHI POLLUTION CONTROL COMMITTEE**  
(Government of N.C.T. of Delhi) 4th & 5th Floor, ISBT Building  
Kashmere Gate, Delhi 110006  
(Visit us at <https://www.dpccocmms.nic.in>)



**LIFE**  
Lifestyle for  
Environment

Dated 02/07/2024

Report Number: DPCC/W/STP/24-25/72/10&8

**ANALYSIS REPORT OF STP FOR THE MONTH OF JUNE-2024**

1. Name of STP : Kondli
2. Sampling location : Inlet and Outlet of STP
3. Date of Inspection : 07.06.2024
4. Samples collected by : DPCC Lab
5. Parameters analyzed and results :

Sr. No.	Installed Capacity (MGD)	STP Standard	Parameters							Fecal Coliform MPN/100ml	Remarks	
			pH	TSS (mg/l)	BOD (mg/l)	COD (mg/l)	Oil & Grease (mg/l)	Ammonical Nitrogen (mg/l)	Dissolved Phosphate as P (mg/l)			
1	Ph-I (10)	Inlet	6.5-9.0	10	10	50	10	18.4	32.4	2	230	
		Outlet	7.5	248	133	288	0.8	3.1	1.2	140	Meeting the standards.	
		OLMS	7.8	7	5	20	-	-	-	-	OLMS was Non Operational	
2	Ph-II & III (25+10)	Outlet	7.6	9	7	32	1.2	2.1	1.1	70	Meeting the standards	
		OLMS						4.7	-	-	OLMS was Non Operational	
Total 45												

*N. Mittal*  
N. Mittal  
I/C Water-Lab  
Scientist

*Sharma*

SSA/Analyst/SLA



## DELHI POLLUTION CONTROL COMMITTEE

(Government of N.C.T. of Delhi) 4th & 5th Floor, ISBT Building

Kashmere Gate, Delhi 110006

(Visit us at <https://www.dpccocmms.nic.in>)



**LIFE**  
Lifestyle for  
Environment

Report Number: DPCC/W/STP/24-25/73/ 1089

Dated 02/07/2024

### ANALYSIS REPORT OF STP FOR THE MONTH OF JUNE-2024

1. Name of STP : Kondli New  
 2. Sampling location : Inlet and Outlet of STP  
 3. Date of Inspection : 07.06.2024  
 4. Samples collected by : DPCC Lab  
 5. Parameters analyzed and results :

Sr. No.	Installed Capacity (MGD)	STP Standard	Parameters							Remarks	
			pH	TSS (mg/l)	BOD (mg/l)	COD (mg/l)	Oil & Grease (mg/l)	Ammonical Nitrogen (mg/l)	Dissolved Phosphate as P (mg/l)		Fecal Coliform MPN/100ml
1	Ph-IV (45)	Inlet	6.5-9.0	10	10	50	10	5	2	230	
		Outlet	7.1	288	163	332	20.8	24.5	28.1	-	Meeting the Standards.
		OLMS	7.8	8	6	28	1.2	3	1.3	110	OLMS was non-functional
Total 45											

M. Mita  
 I/C Water Laboratory  
 Scientist

Hembar  
 SSA/Analyst/SL

**Inspection Report of STPs at Kondli**

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Inspection of STPs at Kondli was carried out by team of DPCC Officials on 03.07.2024. There are four phases of Kondli STP namely Ph-I (10 MGD), Ph-II (25 MGD), Ph-III (10 MGD) and Ph-IV (45 MGD). All the STPs at Kondli have common Inlet Point from where flow is divided into respective Phases. The Catchment Area of STPs at Kondli comprises of Preet Vihar, Jagriti Vihar, Dallupura, Kondli Ghadoli & Kalyanpuri.

Brief of the observations are as follows:

**Kondli Ph-I**

1. Plant found operational at the time of inspection.
2. Flow Meter found installed at the Inlet & Outlet of STP.
3. Plant has 02 Coarse Bar Screens, 02 Fine Bar Screens and 02 Grit Chambers (Vortex type). All were found operational during the inspection.
4. Plant has 02 Primary Sedimentation Tanks (PST) and 02 Secondary Sedimentation Tanks (SST). All found operational.
5. There are 02 Aeration tanks (combination of anoxic, anaerobic & aerobic compartments) comprising of 03 Blowers with (880 x 2) diffusers. All found operational.
6. There are 02 Chlorination tanks and chlorine dosing is being carried out.
7. Status of Sludge Units and Electricity Generation units are as follows:

Name of Unit	No.	Operational Condition
Centrifuge	02	Commissioned
Sludge Thickener + DAF (Dilution Air Flocculation) Thickener (for sludge from SST)	01	Commissioned
Sludge Digester Units	02	Commissioned and total generated gas is being flared as electricity generation units are yet to be commissioned.
Gas Holding Unit	02	Civil Construction work completed.
Electricity Generation Units	03 (Common for PH-I, II & III)	Civil Construction work completed and electricity generation has not been started yet as some electrical equipment are yet to be installed.

8. 04 unit of Rapid Gravity Filter (RGF) were found operational.
9. Sludge generated from the Plant is being carried to drying beds.
10. OLMS at the Outlet was found installed and it is in operational condition.

**Kondli Ph-II & III**

1. Both Plants were found operational during Inspection.
2. Flow meter is installed at the Inlet of Ph-II and Ph-III separately after Grit Chamber. However, a common Flow meter is installed at the Outlet of Ph-II and Ph-III after Chlorine Contact Tank.
3. Ph-II & Ph-III have common primary units. Plant has 05 Coarse Bar Screens, 05 Fine Bar Screens and 03 Grit Chambers (Vortex type). All were found operational during the inspection.

4. Ph-II has 02 Primary Sedimentation Tanks (PST) and 03 Secondary Sedimentation Tanks (SST).
5. Ph-III has 02 Primary Sedimentation Tanks (PST) and 03 Secondary Sedimentation Tanks (SST). All found in operational condition.
6. There are total 04 Aeration tanks 02 each for Ph-III & Ph-II (combination of anoxic, anaerobic & aerobic compartments) comprising of 03 Blowers with (880 x 2) diffusers & 06 Blowers with 4400 diffusers respectively. All found operational.
7. The construction work of 04 Chlorination tanks is completed and Chlorination is being carried out.
8. Status of Sludge Units and Electricity Generation units are as follows:

Name of Unit	No.	Operational Condition
Centrifuge	08	Commissioned
Sludge Thickener (for sludge from PST) + DAF (Dilution Air Flocculation) Thickener (for sludge from SST)	02	Commissioned
Sludge Digester Units	05	02 Sludge Digester Units have been Commissioned but only being used as Holding tank. As informed by plant incharge, necessary arrangements required for digestion of the sludge are kept on hold as electricity generation has not been started and produced gas will not have any utility till the commissioning of electricity generation units. 03 Sludge Digester Units are under rehabilitation as all 03 digesters are old one and could not pass the Pneumatic Pressure Testing.
Gas Holding Unit	02	Commissioned but not in operation due to above mentioned reasons.
Electricity Generation Units (Gas Engines)	03 (Common for PH-I, II & III)	Civil Construction work completed and electricity generation has not been started yet as some electrical equipment are yet to be installed.

9. Rapid Gravity Filter (RGF) (for both phases) found operational during Inspection.
10. Ph-II and Ph-III have common outlet point and OLMS found installed at the common outlet of Ph-II and Ph-III.

#### **Kondli Ph-IV**

1. Liquid line of the Plant found fully operational at the time of inspection..
2. Flow meter found installed at the Inlet and Outlet of the Plant.
3. 02 out of 03 Odour Control Units (OCU) found operational at the time of inspection. As informed by Plant Manager, 01 OCU was not operational as the unit (Sludge Thickener and Primary Filtrate Sump) connected to particular OCU is under rehabilitation.
4. Plant has 04 Coarse Bar Screens. All found operational.
5. Plant has 04 Fine Bar Screens. All found operational.
6. All 03 Grit Chambers are rehabilitated. However, due to some technical issues one Grit Chamber found non-operational at the time of inspection.

- 7. Plant has 04 Primary Settling Tanks (PST). All have been rehabilitated and were found operational.
- 8. Plant has 04 Secondary Settling Tanks (SST). All have been rehabilitated and were found operational.
- 9. There are 04 Aeration tanks. All have been rehabilitated and were found operational.
- 10. Status of Sludge Units, Electricity Generation and Tertiary treatment units are as follows:

Name of Unit	Numbers	Operational Condition
Bed Filter Press	03	Commissioned but found non-operational due to maintenance.
Disc Filter	07	Commissioned
UV Treatment Unit	02	Commissioned
Sludge Digester	04	03 Rehabilitated but not commissioned yet & 01 found under Rehabilitation.
Gas Holder	02	01 Rehabilitated but not commissioned and 01 under Rehab.
Electricity Generation Units	03	01 ready to use but not in operation as supporting units are under construction/ Rehab and 02 Units are Rehabilitation.

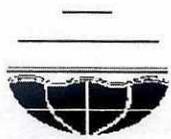
- 11. Sludge is being directly transferred from Sludge Thickener to Bed Filter Press as some of the supporting Sludge Units are under rehabilitation. In the meantime sludge is being taken to Drying Beds after Bed Filter Press.
- 12. OLMS at the Outlet was found installed.

**Conclusion**

- 1. Liquid Line of all four phases of STP Kondli is operational after rehabilitation.
- 2. Some Sludge Handling Units of all 04 phases have not been commissioned yet and are under different stages of rehabilitation / Testing.
- 3. OCEMS were found installed at all 04 phases. (Phase 2 & 3 have common OCEMS as Phase -2 & Phase -3 have common Tertiary Units as well as common outlet Channel).

*Ashish*  
04/07/2024  
Ashish Uniyal  
JEE, WMC-II

*Ankit*  
04/07/24  
Ankit Sindhu  
Trainee, WMC-II



DELHI POLLUTION CONTROL COMMITTEE  
DEPARTMENT OF ENVIRONMENT, GOVT. OF NCT OF DELHI  
5<sup>th</sup>FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-110006  
visit us at : <http://dpcc.delhigovt.nic.in>

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F. No. DPCC/(13)/(9)(0073)/ PLG-13/964-965

Dated: 05/07/2024

To,

The Member Drainage,  
Delhi Jal Board, Varunalaya Phase-II,  
Jhandewalan, Karol Bagh,  
New Delhi-110005.

**Sub: Deficiencies observed during Inspection of Kondli STPs carried out by Team of DPCC Officials on 03.07.2024.**

Sir,

This has reference to the inspection carried out by a team of DPCC Officials of STPs at Kondli on 03.07.2024 (Copy of Inspection Report enclosed).

1. Some of the Sludge Handling Units (03 No. of Digesters in respect of Phase II & III, 01 No. of Digester & 01 no. of Gas Holder) of all 04 phases have not been commissioned yet.
2. Bed Filter Press Unit of STP Kondli Ph-IV was found non-operational during the inspection.
3. 02 out of 03 Odour Control Units (OCU) found operational at the time of inspection.

In view of the above, DJB is hereby directed to rectify the above mentioned deficiencies urgently and submit the Compliance/ Action Taken Report to DPCC by 08.07.2024

Yours Sincerely,

  
(D. K. Singh)

Addl. Director &amp; In-charge WMC-II

Enclosure- As above

Copy to:

1. Chief Executive Officer, Delhi Jal Board, Varunalaya Phase-II, Jhandewalan, Karol Bagh, New Delhi-110005.

  
(D. K. Singh)

Addl. Director &amp; In-charge WMC-II

(10)

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**EE SDW IV** <eesdw4.djb@nic.in>  
To: wmc2dpcc2023@gmail.com  
Cc: Member Drainage <mrdrainage.djb@nic.in>

Thu, Jul 4, 2024 at 4:52 PM

Sir,

Please find the latest status of all STPs under the division of EE(SDW)-IV, Kondli.

Thanks and regards.

Executive Engineer (SDW) IV,  
Delhi Jal Board, GNCT of Delhi,  
Kondli Sewage Treatment Plant.  
Kondli, Delhi 110096

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**From:** wmc2dpcc2023@gmail.com  
**To:** "Member Drainage" <mrdrainage.djb@nic.in>, "EE SDW IV" <eesdw4.djb@nic.in>  
**Sent:** Wednesday, June 26, 2024 6:16:38 PM  
**Subject:** Present Status of STPs at Kondli in compliance of OA No. 366/2023 in the matter of " Rajesh Kumar Dokwal Vs. Govt. of NCT of Delhi".

[Quoted text hidden]

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 **Present status of STPs.pdf**  
1295K

The present status of all the 4 STPs at Kondli after the measures undertaken as briefed in the following table:-

S. No.	Name of STP	Capacity	Design Parameters (BOD/TSS in mg/l)	Status	Meeting standards prescribed (Yes/No)	Present status
1.	Phase-I, Kondli	10 MGD	10/10	Operational	Yes	The rehabilitation work of the liquid stream is completed and the plant is functioning & achieving the latest effluent norms of DPCC/NGT. Rehabilitation of sludge stream i.e. Digesters, Gas Holders & Centrifuge also been completed and is working now. Overall physical progress of rehabilitation is approx. 99%, whereas the rehabilitation of minor works related to instrumentation i.e. SCADA, Electrification, etc. is at the final stage.
2.	Phase-II, Kondli	25 MGD	10/10	Operational	Yes	The Online Monitoring System is already installed and working.
3.	Phase-III, Kondli	10 MGD	10/10	Operational	Yes	The rehabilitation of the liquid stream up to tertiary treatment i.e. Rapid Gravity filter & disinfectant chlorination system is already completed and the plant is functioning & achieving the latest effluent norms of DPCC/NGT. Further, 2Nos of digester working and the complete sludge is taken in the digester system through a thickener, and thereafter sludge is further transferred to the sludge treatment unit through a centrifuge. However, some leakage is reported in the balance digester during the pneumatic test. The rectification is under process shall be completed by the end of August-2024 Overall physical progress of rehabilitation is approx. 96%. However, the finishing/minor work is going at site i.e. electrical works, instrumentation works, roads etc. Further, the tertiary treatment units of Phase-II & III STPs are common and the final discharge channel is also common. The online monitoring system is shifted at a common channel, now the OLMS system monitors the effluent quality of both STPs.

4.	Phase-IV, Koudli	45 MGD	20/30	Operational	Yes	<p>Rehabilitation of the liquid stream of Phase-IV (45 MGD) STP Koudli is completed and STP achieving the treated effluent as per the DPCC standard i.e. Bod/TSS &lt; 10/10 mg/l.</p> <p>Moreover, The rehabilitation of the 3No. the digester has been completed and passed in a pneumatic test and will be functional shortly. The thickener unit and belt filter press are already taken under functional.</p> <p>The Online monitoring system is already installed and working.</p>
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*Agar*  
21/7/24

SE (SOW) - IV