ACTION TAKEN REPORT ON SHORT TERM & LONG TERM ACTION PLAN IN THE JOINT COMMITTEE REPORT IN THE MATTER OF O.A NO. 111 OF 2020 BY TAMILNADU POLLUTION CONTROL BOARD (AS ON 15-12-2021)

- **Status of Compliance and Action Taken Report on the Action Plan**
  [Action Points [III (1), V (2), V (3), VI (1), VI (2), VII (1)]

Submitted by

DISTRICT ENVIRONMENTAL ENGINEER

TAMILNADU POLLUTION CONTROL BOARD

HOSUR, KRISHNAGIRI DISTRICT

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
I. Random Verification of grossly polluting (water polluting) industries located in the River Basin and Assessment of wastewater management and discharge mode.				
1. Among the industries those that are Red/Orange category (small, medium and large) with treated effluent discharge option as surface water/sewer drain/others (which includes industries having ZLD) in River basin of Thenpennai be monitored for effluent characteristics by concerned SPCBs, so as to ascertain the quality of treated effluent discharge as per the Consent Conditions of SPCBs. The details of the compliance status and action taken report be placed in public domain (TNPCB and KSPCB website).	TNPCB (Six months)	There is no discharge of industrial effluent into river Thenpennai in the area under investigation ie., from Chokkarasanapalli Village to Kelavarapalli Dam stretch. 1) **M/s. Premier WVG & SPG Mills Pvt Ltd**., Belathur Village, Bagalur / (Red-Large) located nearby the river stretch. It is an textile dyeing and weaving unit having ZLD system and there is no discharge of sewage/trade effluent into outside the unit premises. The details of STP and ZLD based ETP system installed for the treatment of sewage and trade effluent is enclosed vide **Annexure-I.** The report of Analysis (ROA) of treated sewage and treated trade effluent (RO Permeate) collected	The industries located in the area covered under the investigation in Thenpennaiar River Basin are closely monitored by the TNPC Board to ensure zero liquid discharge.	The unit is located at a distance of 900 meter from River Thenpennai. Renewal Consent with validity upto 31.03.2022.

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
		from the unit for the past one year (Jan 2020 to November 2021) is enclosed vide **Annexure-II.** From the ROA, it reveals that the quality of treated sewage and treated trade effluent are satisfying the standards prescribed by the TNPC Board. The report of analysis (ROA) of AAQ/SM survey conducted in the vicinity of the unit during the period 23.09.2021 is enclosed vide **Annexure-III.** From the ROA, it reveals that the pollutant parameters are well within the standards prescribed by the TNPC Board.		
V. Environmental Compensation be imposed by SPCBs after evaluating performance of STPs and identification of defaulters upon Random Verification				
2. EC be calculated and imposed based on Random Verification of Grossly Polluting Industries.	TNPCB (Six months)	No violating/defaulting industries are identified.	-	-
3. Calculation of EC by the three member Committee comprising of CPCB, TNPCB and KSPCB, after submission of Reports by the concerned authorities (BWSSB, KSPCB,	CPCB (Six months on receipt of the Study Report and recommendations/criteria for imposing EC from KSPCB and TNPCB)			

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
TNPCB).				
VI. Sewage and Solid Waste Management in the villages (13) adjoining River Thenpennai up till Kelavarapalli				
1. Feasibility study for providing Sewage Treatment options (such as oxidations ponds/ diversion channels or wetlands etc.) by TNPCB followed by implementation by Local authority of the district.	Feasibility study by TNPCB in consultation with local authority for implementation (Six months)	Construction of diversion channel with wet land system at a cost of Rs. 25 Lakh has been provided at Bagalur village for the treatment of sewage generated from part of the Bagalur village by the local body of Hosur Panchayat Union and work has been completed and commissioned.	For the remaining four stretches, construction of wetland system will be executed after approval of District Collector, Krishnagiri under grey water management scheme at the cost of Rs. 25.14 Lakhs and the works will be completed before 31.03.2022.	Bagalur village. Additional time requested by the local body due to COVID Pandemic situation
		Construction of diversion channel with wet land system at a cost of Rs. 24 Lakh has been provided at Belathur village for the treatment of sewage generated from part of the Belathur village by the local body of Hosur Panchayat Union and work has been completed and commissioned.	For the remaining stretches, construction of wetland system will be executed after approval of District Collector, Krishnagiri under grey water management scheme and the works will be completed before 31.03.2022.	Belathur village Additional time requested by the local body due to COVID Pandemic situation

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
			Construction of diversion channel with wet land system for the treatment of sewage generated from the Sokkarasanapalli village will be carried by the Hosur Panchayat Union after obtaining necessary approval of District Collector, Krishnagiri under grey water management scheme and the works will be completed within 3 months.	Sokkarasanapalli village. Additional time requested by the local body due to COVID Pandemic situation
		The sewage generated from part of the 70 houses is being treated through the septic tank followed by the soak pit.	Construction of diversion channel with wet land system for the treatment of part of sewage generated from the Chennasandiram village will be carried by the Hosur Panchayat Union after obtaining necessary approval of District Collector, Krishnagiri under grey water management scheme and the works will be completed within 3 months.	Chennasandiram Additional time requested by the local body due to COVID Pandemic situation
		The sewage generated from part of 125 houses is being treated through the septic tank followed by the soak pit.	Construction of diversion channel with wet land system for the treatment of part of sewage generated from the Kanimangalam village will be carried by the Hosur Panchayat Union after obtaining necessary approval of District Collector, Krishnagiri	Kanimangalam Additional time requested by the local body due to COVID Pandemic situation

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
			under grey water management scheme and the works will be completed within 3 months.	
		The sewage generated from 40 houses is being treated through the septic tank followed by the soak pit and there is no discharge of sewage into River Thenpennai.		Guliganapalli (Kodiyalam) village.
		The sewage generated from Thummanapalli village Panchayat [280 houses in Sathyamangalam and 98 houses in Muneeswar Nagar] is being treated through the septic tank followed by the soak pit and there is no discharge of sewage into River Thenpennai.		Sathiyamangalam, Muneeswar Nagar
		The sewage generated from 190 houses is being treated through the septic tank followed by the soak pit and there is no discharge of sewage into River Thenpennai.		Lingapuram
		The sewage generated from 220 houses is being treated through the septic tank followed by the soak pit and there is no discharge of sewage into River Thenpennai.		Baduthepalli

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
		The average collection of solid waste in the Bagalur Panchayat is about 2.0 MT. The Municipal Solid Waste is being collected through door to door collection by engaging 19 Thooimai Kavalars and deploying with five tri-cylces and three electronic bikes. The local body of Hosur Panchayat Union has constructed the Micro Compost Centre with a maximum capacity to process 3.0 MT of segregated biodegradable municipal solid wastes at a cost of Rs. 20 Lakh.	The MCC centre at Bagalur commissioned. Under Central Government scheme of National Rurban Mission project a Plastic shredding unit is proposed at a cost of Rs. 20 Lakhs to handle the plastic wastes and the shredded plastics will be used for road laying works. The work will be completed before 31.01.2022.	Additional time requested by the local body due to COVID Pandemic situation
		The average collection of solid waste in the Belathur Panchayat is about 2.0 MT. The Municipal Solid Waste is being collected through door to door collection by	The MCC centre at Belathur Commissioned.	Belathur

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
		The sewage generated from 25 houses is being treated through the septic tank followed by the soak pit and there is no discharge of sewage into River Thenpennai.		Kempasandiram
		The sewage generated from 121 houses is being treated through the septic tank followed by the soak pit and there is no discharge of sewage into River Thenpennai.		Singasadanapalli
2. Solid Waste Management Plan be devised and executed by concerned Block Development Officer, Hosur Taluk to ensure the solid wastes are not disposed on the riverside and managed as per Solid Waste Management Rules, 2016.	Concerned Block Development Officer to submit to TNPCB (six months)	The local body of Hosur Panchayat Union has removed the solid waste dumped in the banks of River Thenpennai.		Bagalur

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
		engaging 19 Thooimai Kavalars and deploying with five tri-cylces and three electronic bikes. The local body of Hosur Panchayat Union has constructed the Micro Compost Centre with a maximum capacity to process 3.0 MT of segregated biodegradable municipal solid wastes at a cost of Rs. 24 Lakh.		
		The solid wastes generated from the Sokkarasanapalli village are being collected and brought to the segregation shed and segregated as bio-degradable and non-biodegradable wastes.		Sokkarasanapalli village.
		The non-biodegradable wastes are burnt through the Solid waste Disposal Incinerator established at Estimate Cost of Rs.18.00 Lakhs by CSR fund of M/s. Excide factory. (Photographs enclosed).		

Action Points	Agency Responsible (Timeline)	Progress made as on 9th August, 2021	Proposed Action Plan with target date (if any)	Remarks
		The solid wastes generated from the households are being collected through Thooimai Kavalars and brought to the segregation shed and segregated as bio-degradable and non-biodegradable wastes for further treatment and dispose. (Photographs enclosed).		Guliganapalli, Sathiyamangalam, Muneeswar Nagar, Lingapuram, Baduthepalli, Kempasandiram, Chennasandiram, Singasadanapalli, Kanimangalam, Kallipuram and Oddapalli Thinna villages.
VII. Regular Water Quality Monitoring at important locations				
1. The trend of water quality and its improvement at major confluence points may be monitored for the year 2021-22 on a monthly basis and a report be submitted to CPCB to ensure the quality of water flowing in River Thenpennai.	TNPCB &KSPCB (to monitor on yearly basis)	The water quality of River Thenpennai is being monitored on monthly basis at interstate border i.e at Chokkarasanapalli Village and the report of analysis for the period from September 2017 to November 2021 is enclosed vide **Annexure-IV.**		Refer **Annexure-IV** – ROA of Thenpennai River. at Chokkarasanapalli Village from September 2017 to November 2021

15/12/2021

District Environmental Engineer,
Tamilnadu Pollution Control Board
Hosur

15/12/2021

Annexure - I

M/S. PREMIER SPG & WVG MILLS PVT LTD, SF.NO. 54/1, 56/1,56/4, 57/1, 66/3, 57/13, 66/1, 55/2, 56/5, 56/2, 55/2, 55/4, 55/1, 54/2, 55/3,etc.,BELATHUR VILLAGE, HOSUR TALUK, KRISHNAGIRI DISTRICT

SEPTIC TANK AND SP/DT - STP COMPONENTS:

SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1	Septic tank - I	1	8.5x3.5x2.4
2	Septic tank - II	1	4.5x2.5x2.4

ETP COMPONENTS:

SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1	Bar Screen	1	1.75x4.2
2	Equalization tank No.1	1	14.x13x4 - 743KL
3	Equalization No.2	1	6.5x15x4 - 390KL
4	Equalization No.3	1	6.2x15x4 - 370KL
5	Distribution Tank	1	5x4.5x6 - 135KL
6	Biological Tank	1	17x28.5x6 - 2970KL
7	Denitrification Tank	1	2.7x2x6 -32.4KL
8	Lamella Clarifier	1	6x4.5x6 - 162KL
9	Pre Treatment - 1	1	4x4x3.5 - 56KL
10	Pre Treatment -2	1	4x4x3.5 - 56KL
11	Clariflocculator	1	9.75Dx3.5H - 261KL
12	Traction Clarifier -1	1	12.2Dx3H-350KL
13	Traction Clarifier -2	1	12.2DX3h -350KL
14	Sludge Thickner	1	4.5Dx2.8H - 56KL
15	Sludge Decanter (Dewatering system)	1	5KL/Hr
16	Activated Carbon Filter	2	1.8Dx1.6H

17	Quartz Filter	1	2Dx3.4H
18	Ultra Filtration	1	1200KLD
19	Muitible Effect Evaporator (5 Effect Falling Film)	1	250 KLD
20	Solar Evaporation Pan (540 Sq.M x18No's)	18	9720 Sq.mtr
21	Sludge Return Sump	1	60 KL
22	RO I – A	1	40 KL/Hr - 800KLD
23	RO I B (Standby)	1	60KL/Hr (1200 KLD)
24	RO II - A	1	40KL/Hr (800KLD)
25	RO III	1	25KL/Hr - (500 KLD)
26	Forced Circulation Evaporator (Two Effect)	1	1 KL/Hr - 20KLD
27	Salt Recovery System (Vertical Thin Film Dryer)	1	0.260 KL/Hr -5.2 KLD
28	RO II -B (Stand by)	1	40KL/Hr(800KLD)
29	Combined RO permeate RCC Tank	2	6.2 x 5.5 x 7.4 M
30	RO III stage reject collection RCC Tank	2	4.75 x 9.5 x 2.8 M
31	Pressure Sand Filter	2	1.8 D x 1.6 H (Mtrs)

15/12/2023

DISTRICT ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD
HOSUR

Annexure - II

CONSOLIDATED ROA OF TREATED SEWGAE AND EFFLUENT SAMPLES COLLECTED FROM THE UNIT OF M/S. PREMIER SPG & WVG MILLS PVT LTD, SF.NO. 54/1,56/1,56/4,57/1,66/3,57/13,66/1,55/2,56/5,56/2.55/2,55/4,55/1,54/2,55/3,etc., BELATHUR VILLAGE, HOSUR TALUK, KRISHNAGIRI DISTRICT

a) TREATED SEWAGE

S.No.	Parameter	Jan 20	Feb 20	Mar 20	May 20	June 20	July 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21
1	pH	7.62	8.12	7.62	7.47	6.48	6.75	7.41	7.70	6.59	6.82	6.73	8.04	6.04	7.02
2	TSS	42	4.0	4.0	4.0	6.0	4.0	4.0	6.0	18	20	2.0	10	4.0	6.0
3	BOD	12	1.0	1.0	2.0	1.0	2.0	2.0	5.0	12	5.3	5.0	6.0	3.0	3.0

b) R.O PERMEATE

S.No.	Parameter	Jan 20	Feb 20	Mar 20	May 20	Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21
1	pH	6.24	8.01	7.96	7.98	6.61	6.26	7.33	6.69	6.72	7.21	7.21	7.26	6.52	7.11
2	TSS	6.0	12	24	4.0	4.0	4.0	2.0	2.0	4.0	4.0	4.0	26	6.0	4.0
3	TDS	974	854	1070	1752	1016	222	826	194	664	106	1990	1942	1204	136
4	Chloride	240	130	300	385	210	85	165	75	135	65	400	445	222	25.0
5	Sulphate	166	107	292	369	57	33	127	24	77	14	35	124	440	24.0
6	Oil and Grease	1.0*	1.0*	6.0	1.0*	1.0*	1.0*	1.0	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
7	BOD	8.0	3.0	12	8.0	1.0	1.0	1.0	2.0	11	2.73	5.0	12	2.0	2.0
8	COD	72	40	64	40	8.0	8.0	40	8.0	32	64	32	**112**	**24**	**64.0**
9	Lead	-	-	0.001*	0.001*	0.001*	-	-	-	-	-	-	-	-	-
10	Cadmium	-	-	0.001*	0.001*	0.001*	-	-	-	-	-	-	-	-	-
11	Total Kjeldhal Nitrogen	-	-	3.8	3.62	1.0*	-	-	-	-	-	-	-	-	-
12	Total Residential Chlorine	-	-	0.002*	0.1*	0.01*	-	-	-	-	-	-	-	-	-
13	Phenolic Compounds	-	-	0.005*	0.005*	0.01*	-	-	-	-	0.5*	0.5*	0.5*	0.5*	0.5*
14	Sulphide	-	-	2.0*	1.0*	0.01*	-	-	-	-	2.0*	2.0*	2.0*	2.0*	2.0*
15	Percent Sodium	-	-	49	46	2.0	-	-	-	-	-	-	-	-	-
16	Total Chromium	-	-	-	-	0.001*	-	-	-	-	0.01*	0.03*	0.03*	0.03*	0.03*
17	Ammonical Nitrogen	-	-	-	-	-	-	-	-	-	1.68	3.92	5.04*	3.92	5.04

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DISTRICT ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD
HOSUR

c) PRINTING EFFLUENT CLARIFIER

S.No.	Parameter	Dec 20
1	pH	7.01
2	TSS	572
3	TDS	1664
4	Chloride	550
5	Sulphate	522
6	Oil and Grease	4.0
7	BOD	135
8	COD	144
9	Total Chromium	0.01*
10	Ammonical Nitrogen	6.72
11	Sulphide	2.0*
12	Phenolic Compounds	0.5*

15/12/2021

DISTRICT ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD
HOSUR

CONSOLIDATED ROA OF TREATED SEWGAE AND EFFLUENT SAMPLES COLLECTED FROM THE UNIT OF M/S. PREMIER SPG & WVG MILLS PVT LTD, SF.NO. 54/1,56/1,56/4,57/1,66/3,57/13,66/1,55/2,56/5,56/2.55/2,55/4,55/1,54/2,55/3,etc., BELATHUR VILLAGE, HOSUR TALUK, KRISHNAGIRI DISTRICT

a) TREATED SEWAGE

S.No.	Parameter	Apr 21	July 21	Aug 21	Sep 21	Oct 21	Nov 21
1	pH	6.65	6.58	6.57	6.01	5.06	5.92
2	TSS	10	10.0	6.0	4.0	6.0	4.0
3	BOD	7.0	5.0	10.0	7.0	4.0	2.0

b) R.O PERMEATE

S.No.	Parameter	Apr 21	July 21	Aug 21	Sep 21	Oct 21	Nov 21
1	pH	6.15	5.71	6.29	5.94	6.24	6.20
2	TSS	4.0	6.0	4.0	6.0	4.0	4.0
3	TDS	260	2540	276	294	1278	1226
4	Chloride	75.0	500	150	170	385	600
5	Sulphate	19.0	735	22	14	230	270
6	Oil and Grease	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
7	BOD	2.0	22.0	11.0	15.0	7.0	2.0
8	COD	16.0	184	40	48	136	24
9	Lead	-	-	-	-	-	-
10	Cadmium	-	-	-	-	-	-
11	Total Kjeldhal Nitrogen	-	-	-	-	-	-
12	Total Residential Chlorine	-	-	-	-	-	-
13	Phenolic Compounds	0.5*	0.5*	0.5*	0.5*	0.5*	0.5*
14	Sulphide	2.0*	2.0*	2.0*	2.0*	2.0*	2.0*
15	Percent Sodium	-	-	-	-	-	-
16	Total Chromium	0.03*	0.03*	0.03*	0.03*	0.03*	0.03*
17	Ammonical Nitrogen	6.72	10.09	7.84	10.68	6.72	6.72

DISTRICT ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD
HOSUR

Annexure - III

TAMIL NADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Hosur .

AMBIENT AIR QUALITY SURVEY – Report of Analysis

Report No.48 / AAQS/2021-2022 Date:07.10.2021

1. Name of the Industry : M/s. Premier Spg & Wvg Mills Pvt Ltd,
2. Address of the Industry : Belathur Village, Hosur Taluk, Krishnagiri Dt.
3. Date of Survey : 23.09.2021.
4. Duration of Survey : 8 Hours
5. Category :Red – Large
6. Land Use Classification :Textile Processing

Ambient Temperature (^{0}C)	Min	Max	Relative Humidity (%)	Min	Max
	28	30		55	71
Weather Condition	Clear sky		Rain Fall (mm)	NIL	
Predominant Wind Direction	NW- SE		Mean Wind Speed (km/hr)	---	

Ambient Air Quality Survey Results

Sl. No.	Location	Direction *	Distance (m) *	Height Form GL (m)	Pollutants Concentration (microgram / m^3)		
					PM 10	SO_2	NO_2
1	Top of the Scaffolding Near 'D' Gate	NE	150	2	56	14	16
2	Top of the Scaffolding Near Main Gate	E	270	2	58	16	18
3	Top of the Scaffolding Inside the Ladies Hostel	SE	170	2	60	20	22
4	Top of the Scaffolding near STP	SW	400	2	46	12	14
5	Top of the Scaffolding Near Evaporator	NW	300	2	44	11	12

Note: * With respect to major emission

A. Boopathi 11/10/21

Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.

Test Performed	Test Method
PM10	IS 5182 : (Part 23) – 2006
SO2	Modified West – Graeke / IS 5182 : (Part 2) – 2001 RA: 2012
NOx	Jacobs – Hochheiser / IS 5182 : (Part 6) – 2006 RA:2012

TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Hosur

AMBIENT AIR QUALITY SURVEY

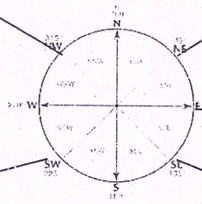
Schematic Diagram Showing Location of Sampling

Report No.48 / AAQS/2021-2022 Date:07.10.2021

1. Name of the Industry : M/s. Premier Spg & Wvg Mills Pvt Ltd,
2. Address of the Industry : Belathur Village, Hosur Taluk, Krishnagiri Dt.
3. Date of Survey : 23.09.2021.

Station : V (NW)	
PM_{10}	: 44
SO_2	: 11
NO_2	: 12

Station	: I(NE)
PM_{10}	: 56
SO_2	: 14
NO_x	: 16



Station	: II(E)
PM_{10}	: 58
SO_2	: 16
NO_x	: 18

Station : IV (SW)	
PM_{10}	: 46
SO_2	: 12
NO_x	: 14

Station	: III(SE)
PM_{10}	: 60
SO_2	: 20
NO_2	: 22

Note: All the values are expressed in and restricted to sampling period of 8 hours.

Meteorological Conditions:	
Predominant Wind Direction	NW - SE
Wind Speed	----
Weather Condition	Clear Sky
Rainfall	Nil

Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.

TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Hosur
STACK MONITORING SURVEY – Report of Analysis

Report No.48 / AAQS/2021-2022 Date:07.10.2021

1. Name of the Industry : M/s. Premier Spg & Wvg Mills Pvt Ltd,
2. Address of the Industry : Belathur Village, Hosur Taluk, Krishnagiri Dt.
3. Date of Survey : 23.09.2021.
4. Type of Industry : Textile Processing

Stack Monitoring Survey Results

Sl. No.	Stack attached to	Stack .Temp ^0C	Velocity in (m/ sec)	Discharge rate In Nm^3/ Hr	Pollutants (mg / Nm^3)		
					PM	SO_2	NO_X
1	Multifuel Boiler 10T/Hr	112	6.9222	13677	41	26	12

Test Performed	Test Method
PM	IS 11255: (Part 1) – 1985
SO2	IS 11255: (Part 2) – 1985
NOx	IS 11255: (Part 7) – 2005

A. Bfarel 11/10/21

Deputy Chief Scientific Officer,
District Environmental Laboratory
TNPCB / Hosur.

Annexure - IV

Thenpennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border (on Behalf of TNPCB during Joint Monitoring Committee Visit from September 2017 to May 2018)

Sl. No.	Parameter	Units	Date of Sample Collection								
			20.09.2017	24.10.2017	21.11.2017	12.12.2017	18.01.2018	22.02.2018	22.03.2018	26.04.2018	24.05.2018
1	pH	Number	7.13	7.65	7.28	6.90	7.58	7.89	7.72	7.54	7.32
2	Total Suspended Solids	mg/l	-	-	38	36	38	36	34	42	44
3	Total Dissolved Solids	mg/l	610	-	1040	780	880	760	1510	1008	1160
4	Chloride	mg/l	-	-	325	320	360	300	320	400	440
5	Sulphate	mg/l	-	-	260	140	160	120	140	200	210
6	Oil and Grease	mg/l	-	-	1.0	1.0	1.0	1.0*	1.0*	1.0*	1.0*
7	BOD 3 days at 27^0C	mg/l	6	10	20	30	26	28	26	32	26
8	COD	mg/l	64	-	64	88	80	80	80	88	88
9	Conductivity	mg/l	1050	-	1368	1280	1050	1403	1760	1388	1154
10	Dissolved Oxygen	mg/l	1.0*	1.0*	1.0*	1.0*	2.60	4.20	2.60	1.00	1.0*
AEL, TNPCB, Salem											
11	Total Coliform	MPN / 100 ml	1400	2200	110000	350000	280000	170000	170000	140000	170000
12	Fecal Coliform	MPN / 100 ml	490	----	----	----	----	----	----	----	----

15/12/2018

DISTRICT ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD
HOSUR

Thenpennaiyar River Water sample collected at Chokarasanapalli village at inter State Border by the DEE, TNPCB, Hosur from June 2018 to December 2018

Sl. No.	Parameter	Units	Date of Sample Collection						
			28.06.2018	25.07.2018	22.08.2018	27.09.2018	26.10.2018	29.11.2018	31.12.2018
1	pH	Number	7.68	7.56	6.22	7.16	7.44	6.13	5.87
2	Total Suspended Solids	mg/l	18	96	260	124	36	24	24
3	Total Dissolved Solids	mg/l	808	960	986	972	716	670	708
4	Chloride	mg/l	205	185	225	410	200	275	244
5	Sulphate	mg/l	91	117	20	60	43	36	38
6	Oil and Grease	mg/l	1.0*	1.0*	1.0*	1.0*	2.0*	1.0*	2.0
7	BOD 3 days at $27^{o}C$	mg/l	6.0	16	12	20	22	32	32
8	COD	mg/l	40	80	80	80	160	128	80
9	Dissolved Oxygen	mg/l	0.88	2.55	-	2.30	1.94	2.12	5.40
AEL, TNPCB, Salem									
10	Total Coliform	MPN / 100 ml	----	220000	17000	1700	2100	2200	2800
11	Fecal Coliform	MPN / 100 ml	----	----	----	----	----	----	----

13/12/2024

DISTRICT ENVIRONMENTAL ENGINEER
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HOSUR

Thenpennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border by the TNPCB, DEE, Hosur from January 2019 to December 2019

Sl. No.	Parameter	Units	Date of Sample Collection											
			24.01.2019	22.02.2019	28.03.2019	11.04.2019	09.05.2019	20.06.2019	11.07.2019	16.08.2019	20.09.2019	18.10.2019	27.11.2019	25.12.2019
1	pH	Number	7.12	6.57	6.19	6.38	7.50	6.72	7.64	7.62	8.14	7.42	7.92	8.23
2	Total Suspended Solids	mg/l	18	26	38	40	18	28	568	540	280	126	38	450
3	Total Dissolved Solids	mg/l	702	852	810	928	698	1620	968	788	654	624	760	754
4	Chloride	mg/l	265	250	230	230	200	640	425	235	195	325	220	220
5	Sulphate	mg/l	42	42	40	7.0	19.0	299	148	81	35	88	59	138
6	Oil and Grease	mg/l	1.0*	1.0	1.0*	2.0	2.0	1.0*	1.0*	2.0	1.0*	1.0*	3.0	16
7	BOD 3 days at 27^0C	mg/l	14	18	16	24.0	10.0	20	56	152	10	15	48	40
8	COD	mg/l	80	176	80	200	48	80	104	216	152	96	72	96
9	Dissolved Oxygen	mg/l	13.8	4.15	4.56	3.34	4.00	4.20	2.08	4.58	2.86	2.21	5.04	3.21
AEL, TNPCB, Salem														
10	Total Coliform	MPN / 100 ml	----	3300	2400	2400	2100	3500	3400	2800	3500	4300	3900	4800
11	Fecal Coliform	MPN / 100 ml	----	----	----	----	----	----	----	----	----	----	----	----

15/12/2020

DISTRICT ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD
HOSUR

Thenpennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border by the TNPCB, DEE, Hosur from January 2020 to December 2020

Sl. No.	Parameter	Units	Date of Sample Collection											
			23.01.2020	20.02.2020	19.03.2020	22.05.2020	26.06.2020	30.07.2020	19.08.2020	20.08.2020	24.09.2020	22.10.2020	26.11.2020	24.12.2020
1	pH	Number	8.12	8.01	7.91	8.01	6.95	7.15	7.27	7.24	7.19	5.58	7.01	6.89
2	Total Suspended Solids	mg/l	548	308	140	122	756	324	426	958	258	204	136	40
3	Total Dissolved Solids	mg/l	820	866	832	662	502	616	710	632	598	890	468	794
4	Chloride	mg/l	250	225	210	185	130	160	175	180	157	125	175	209
5	Sulphate	mg/l	98	143	74	117	79	37	278	112	24	26	92	11
6	Oil and Grease	mg/l	1.0*	1.0	1.0*	6.00	2.00	1	2	1	2	1.0*	4	2
7	BOD 3 days at 27^0C	mg/l	12	40	42	48	21	47	168	33	24	27	44	40
8	COD	mg/l	144	176	96	128	128	72	480	168	320	96	3.36	272
9	Dissolved Oxygen	mg/l	3.72	0.31	2.40	2.79	0.32	4.77	4.72	4.61	4.3	3.2	0.88	0.42
10	Dissolved Phosphate	mg/l	-	-	-	-	-	-	3.35	-	-	-	-	-
11	Total Hardness	mg/l	-	-	-	-	-	-	430	-	-	-	-	-
12	Sulphide	mg/l	-	-	-	-	-	-	1.0*	-	-	-	-	-
AEL, TNPCB, Salem														
13	Total Coliform	MPN / 100 ml	5800	6300	1200	210	940	1100	----	1400	2200	840	1700	1200
14	Fecal Coliform	MPN / 100 ml	----	----	2800	----	----	----	----	----	----	----	----	----

DISTRICT ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD
HOSUR

Thenpennaiyar River Water samples collected at Chokarasanapalli village at the inter State Border by the TNPCB, DEE, Hosur from January 2021 to November 2021

Sl. No.	Parameter	Units	Date of Sample Collection									
			20.01.2021	25.02.2021	25.03.2021	27.04.2021	28.06.2021	27.07.2021	23.08.2021	23.09.2021	26.10.2021	22.11.2021
1	pH	Number	7.63	7.04	6.35	6.92	6.17	6.09	7.23	6.29	6.66	6.38
2	Total Suspended Solids	mg/l	100	72	94	84	74	60	96	48	12.0	18
3	Total Dissolved Solids	mg/l	696	244	150	728	750	464	584	584	464	440
4	Chloride	mg/l	205	200	90	180	190	160	160	195	130	130
5	Sulphate	mg/l	74	26	40	42	40	21	48	53	91	50
6	Oil and Grease	mg/l	2	2	2	4	2	2	2	2	1.0*	1.0*
7	BOD 3 days at $27^{o}C$	mg/l	31	47	40	23	26	24	49	46	3.0	5.0
8	COD	mg/l	152	168	224	136	40	104	200	96	64	24
9	Dissolved Oxygen	mg/l	0.39	0.51	0.96	0.21	0.58	2.42	2.6	2.68	6.12	4.51
10	Conductivity	µs/cm	-	-	-	-	1162	720	906	906	719	682
11	Turbidity	NTU	-	-	-	-	2.52	2.34	2.32	2.30	2.34	2.38
12	SAR (Sodium Absorption Ratio)	meq/L	-	-	-	-	0.64	0.56	0.58	0.54	0.52	0.56
13	Boron	mg/l	-	-	-	-	0.002*	0.07	0.06	0.07	0.06	0.06
14	Free Ammonia (NH3)	mg/l	-	-	-	-	0.36	1.95	1.95	1.87	1.76	1.88
AEL, TNPCB, Salem												
15	Total Coliform	MPN / 100 ml	1300	1400	2600	1700	1200	700	1200	1500	1200	580
16	Fecal Coliform	MPN / 100 ml	----	----	----	840	----	260	----	----	----	250

DISTRICT ENVIRONMENTAL ENGINEER
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