No.6836/NGT/SLMC/Sci/2020/450

GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE
3rd Floor, Housing Board Complex, Anna Nagar, Puducherry – 5.
Phone: (0413) 2201256 Fax: (0413) 2203494

Puducherry, dt. 22 JUL 2020

To
Shri. D. P. Mathuria
Executive Director (Tech)
National Mission for Clean Ganga
Ministry of Jal Shakti,
1st Floor, Major Dhyan Chand National Stadium,
India Gate, New Delhi – 110 002.

Sir,

Sub: DSTE/PPCC – Submission of Progressive Report on Restoration of Polluted River Stretches – Reg.

Ref: Your Letter No. L – 34/2014-15/Legal/2019 (Part) dt. 22.01.2020.

***

With reference to the above mentioned subject, Progressive Report for the month of June 2020 is enclosed for kind perusal.

Yours sincerely,

(SMITHA. R, I.A.S)
Member Secretary
Puducherry Pollution Control Committee

Encl: as stated above

Copy to:

1. The Member Secretary,
   Central Pollution Control Board,
   Parivesh Bhawan, C.B.D. Cum-Office Complex,
   East Arjun Nagar, Delhi – 110 032.

2. Guard File.

PROGRESSIVE REPORT FOR THE MONTH OF JUNE, 2020

Sl.No.	Activity to be monitored	Timeline	Status
1	Ensure 100% treatment of sewage at least in-situ remediation. Rs. 5 lakhs per month per drain for default in in-situ remediation.	31.03.2020	The work of providing bar screen has been completed by PWD in all the six identified locations in Chunnambar river (Sankaraparani river), Puducherry. Bar screen has been provided by PWD, Karaikal in twenty Channels to the drains along Arasalar River. Providing of bar screen to the remaining thirteen are not necessary, as the flow in these drainage channels are seasonal only and there is no chance for pollution of water in these channels. In Ariyankuppam Commune Panchayat at 8 drains 16nos. of grill gratings have been fixed.
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured. Rs. 5 lakhs for STP for default in Commencement of setting up of STPs .	31.03.2020	PWD and LAD have been directed to complete installation of STP before March, 2021
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning.	31.03.2021	
3	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level Chief Secretaries may have an accountable person	22.01.2020	State Level Monitoring Committee (SLMC) has been constituted on 08.01.2020. Secretary (Environment), Government of Puducherry

	attached in their office for this purpose • Monitoring at State level must take place	22.01.2020	Third meeting of SLMC was convened on 07.07.2020.
4	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakthi • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Consolidate Progressive report for the period March - May, 2020 was submitted on 02.06.2020.
4.1	Source of Pollution including drains have been identified	31.03.2020	Major drains have been identified. Details are provided in **Annexure – I.**
4.2	<u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline	2025	100% coverage of sewerage network has been provided for Puducherry urban area. Sufficient capacity of STPs to treat sewage generated in the urban area are available. Tender for providing 3 MLD STPs at Villianur, (for Chunnambar) and at Karaikal (for Arasalar) was floated on 23.01.2020 and opened on 09.07.2020.
4.3	<u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status		No CETP is exists in the U.T. of Puducherry Since no homogeneous industrial cluster is located in the U.T. of Puducherry, installing CETP is not technically and economically viable.
4.4	Status of Solid Waste Management & Details of Processing Facilities	6 months	i. Door to Door collection of solid waste is being carried out in Villianur and Ariyankuppam town where Sankaraparani river is passing through. ii. Processing will be initiated.
4.4 (a)	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline	3 months	(i) U.T. of Puducherry consists of 2 Urban Local bodies of above 1 lakhs population viz. (a) Pondicherry Municipality, and

			(b) Oulgaret Municipality. Solid waste generated are collected door to door, transported and disposed at designated yard of Kurumbapet Resource Recovery Park (KRRP). Where in, recyclable waste is segregated by authorised rag pickers. Segregated plastic waste is sent to Plastic Waste Recycling units. Portion of vegetables waste is being subjected to Biomethanation (1 TPD). (ii) In Karaikal Municipal area, the solid wastes collected and transported are made into compost by aerobic windrows. 1MT Bio-gas plant and vermin composting unit are functioning. (iii) In Mahe Municipal area, the non-bio degradable wastes are collected and transported to the existing RRP at Palloor in Pandakkal revenue village. The waste are further segregated into different categories such as plastic, rubber, glass etc. and earning revenue to Mahe Municipality. All the Bio-degradable wastes are used by the households themselves for kitchen garden manure through bio gas plants and pipe composting methods. (iv) In Yanam Municipal area, door to door collection & transportation are being done. For Integrated SWM project, the DPR to an amount of Rs.331.44 lakhs was sent to Ministry of Housing & Urban Affairs, New Delhi to release funds under SBM(U). An amount of Rs. 58 lakhs has been released on 30.09.2019. For releasing the balance amount of Rs.273.44

			lakhs, letter sent by PUDA on 18.05.20. In Tender was floated and bid was opened on 10.07.2020.
4.5	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.		**Annexure II**
4.6	Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams, etc.	1 month	**<u>Bio-medical Waste Management</u>** i) U.T of Puducherry is having one Common Bio-medical Waste Treatment Facility viz. M/s. Pondicherry Solid Waste Management (P) Ltd., at Thuthipet. All Health Care Facilities (HCFs) located in Puducherry & Karaikal are disposing through them. ii) Captive Incinerators were installed at Puducherry and Karaikal for disposal of COVID-19 BMW. iii) The HCFs located in Yanam is disposing through M/s. EVB Technologies (P) Ltd., Rajamundry, which is in the neighboring state. iv) In Mahe the HCFs are disposing them Bio-medical Waste through an incinerator available in General Hospital, Mahe. v) Bar-coding has been implemented. **<u>Plastic Waste Management</u>** i. Single use Plastic has been banned in the U.T of Puducherry since 2nd August 2019, irrespective of thickness for manufacture, store and use of the same. ii. Plastic Registration is being issued to Plastic manufacturers, Recyclers, Brand Owners and Plastic granule manufacturers as per PWM Rules, 2016.

<table>
<tr><td></td><td></td><td></td><td>iii. The Brand owners and Manufacturers of MLP are submitting the EPR for Collection & Disposal of Plastic Waste as per guidelines of CPCB.
iv. The manufacturers are collecting the Plastic Waste and sending it for registered recyclers/co-processing in cement kiln.</td></tr>
<tr><td>4.7</td><td>Ground water regulation</td><td>Already in force</td><td>Pondicherry Ground Water Authority had closed 6 Nos. of tube wells in Puducherry region and 3 Nos. of tubewells in Karaikal Region during the past 5 years due to illegal extraction of ground water.</td></tr>
<tr><td>4.8</td><td>Adopting good irrigation practices</td><td>Already in force</td><td>Annexure- III</td></tr>
<tr><td>4.9</td><td>Protection and management of Flood Plain Zones (FPZ)</td><td>1 year</td><td>Annexure – IV</td></tr>
<tr><td>4.10</td><td>Rain water harvesting</td><td>Already in force</td><td>Annexure – V</td></tr>
<tr><td>4.11</td><td>Maintaining minimum environmental flow of river</td><td>Already in force</td><td>Illegal sand mining affect e-flow in the rivers. Hence, DCR (South) has imposed Prohibitory order u/s 144 of CrPc on 1st April, 2019 prohibiting lorries, vans, two wheelers, bullock carts and any similar load carrying vehicles. Check dams were constructed to regulate the flow.</td></tr>
<tr><td>4.12</td><td>Plantation on both sides of the river</td><td>Already in force</td><td>Forest Department has planted 4000 mangroves plant on the bank of Chunnambar river bed.

No. of Trees planted on the Arasalar River Bank

<table>
<tr><th>Sl.No</th><th>Year</th><th>Nos</th></tr>
<tr><td>1</td><td>2017</td><td>2023</td></tr>
<tr><td>2</td><td>2018</td><td>7859</td></tr>
<tr><td>3</td><td>2019</td><td>7362</td></tr>
</table>
</td></tr>
</table>

4.13	Setting up biodiversity parks on flood plains by removing encroachment	6 months	Mangrove plantation of 25 acre has been identified for developing biodiversity park. Proposal will be submitted by the Forest Department seeking fund for developing 25 acre of Mangrove plantation as Biodiversity Park in Karaikal.

ANNEXURE-I

In-situ Treatment of Drains

DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT * PUDUCHERRY *
1430
22 JUN 2020

1030 161

No. /PW/PHD/DB-DR/NGT/2020-21
GOVERNMENT OF PUDUCHERRY
PUBLIC HEALTH DIVISION
P.W.D., PUDUCHERRY
***

Puducherry, the 22/6/2020

To

The Member Secretary,
Puducherry Pollution Control Committee,
Puducherry.

Sir,

Sub: PWD-PHD – 100% in-situ treatment of sewage, commencement of setting up of STPs, the work of connecting all the drains and other sources of generation of sewage to the STPs at Sankaraparani River in Villianur Commune – Compliance report – Submitted – Reg.

Ref: 1. Directions of Hon'ble NGT passed on 06.12.2019 in O.A.No.673/2018.
2. Lr.No.191/PPC/PRS/SCI/2020/1249 dt.10.02.2020
3. Lr.No.191/PPC/PRS/SCI/2020/43 dt.11.06.2020
4.620/PW/PHD/DB-DR/NGT/2020-21 dt.8-5-2020
***

With reference to the subject mentioned above, it is hereby stated that, as per the directions / guidelines of PPCC, for in-situ treatment of drains entering into the water bodies, the work of providing bar screen has been completed in all the identified locations of the Sankaraparani River in Villianur Commune as mentioned below: -

Sl. No.	Location
1.	North of Villianur road at Vadamangalam
2.	South of Villianur road at Vadamangalam
3.	Kotamedu (Nandan Nagar end)
4.	Kanuvapet (Eastern side of Uruvaiyaru Bridge)
5.	Near Thirukanchi Temple
6.	Padithurai at Keezh Agaragaram Village

Copy of the photograph of all the locations are enclosed herewith for kind reference please. This has already been informed to the Member Secretary, Pondicherry Pollution Control Committee, vide Lr.No. 620/PW/PHD/DB-DR/NGT/2020-21 dt.8-5-2020

Further, it is submitted to report that the 4th call towards receiving tenders for the installation of STPs at Sankaraparani River in Villianur and at Arasalar in Karaikal had already been made and the opening date is fixed on 24-06-2020. Further action will be taken according to the outcome of the tender.

Submitted for favour of information please.

Yours faithfully,

EXECUTIVE ENGINEER

Encl: As above.

Copy submitted to:
1. The Chief Engineer, PWD, Puducherry for favour of information please.
2. The Superintending Engineer-II, PWD, Puducherry for favour information please.

151

ARIYANKUPPAM COMMUNE PANCHAYAT
ARIYANKUPPAM, PUDUCHERRY-7

F. No 50-65/ACP/Engg/2019-20/338 Dated: 05.06.2020

DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT * PUDUCHERRY * 11096 12 JUN 2020

To
The Deputy Director (MA),
Local Administration Department,
Puducherry.

Sir,

Sub: ACP – In-situ remediation of drains – Compliance report – Submitted – Reg.

Ref: 1. Letter No. 191/PPCC/PRS/SCI-I/20/1249 &1401 dt 10.02.2020 & 09.03.2020 of the Member Secretary, Department of Science and Technology Puducherry, Pollution control Committee, Puducherry.
2. This office letter of even No. date 13.03.2020 submitted to the Member Secretary, DS&T, PPCC, Puducherry.

******

Adverting to the above, I am state that this office has already submitted a compliance report to the Member Secretary, Department of Science and Technology, Puducherry Pollution Control Committee regarding in-situ treatment. A copy of the letter submitted is enclosed for kind perusal please. Further, I am to state that as per the instructions issued in the State Level Monitoring Committee, this Commune Panchayat has fixed 16 No. of grill gratings in drains as in-situ remediation in the jurisdiction of Ariyankuppam Commune Panchayat. The places where the grill gratings fixed are given below:

1)	Veerampattinam near beach	- 4 No.
2)	Thengaithittu street, Ariyankuppam	- 1No.
3)	Old Poornankuppam st., Ariyankuppam	- 2 No.
4)	Nonankuppam	- 1 No.
5)	Nallavadu near beach	- 3 No
6)	T. N Palayam village	- 2 No.
7)	Jeevarathinam street, Veerampattinam	- 1 No.
8)	Pudukuppam near beach	- 2 No.
	Total	- 16 No.

The Photographs showing the places where grill gratings fixed as shown in the Annexure.

Yours faithfully,

(G. SAVOUNDIRARAJAN)
COMMISSIONER

Copy to:
The Member Secretary,
Department of Science and Technology,
Puducherry Pollution Control Committee.

GOVERNMENT OF PUDUCHERRY
IRRIGATION AND PUBLIC HEALTH DIVISION
P.W.D., KARAIKAL

No.486/PW/I&PH/D3/2020-21 Date:16-07-2020

To

The Senior Environmental Engineer,
Department of Science, Technology and Environment
Puducherry Pollution Control Committee,
Puducherry

Sir,

Sub: PWD – I&PH – KKL – Hon'ble NGT order in O.A. No.673/2018- Guideline for in-situ treatment of drains entering into water bodies – Providing Bar screen arrangements to the drains – Completion / Status - Report submitted - Reg.

Ref: No.191/PPCC/PRS/SCI-I/2020/1414 dt.10.03.2020

****

With reference to the above it is stated that out of 33 nos. of channels / street drains confluencing at Arasalar and Vanjiar in Karaikal region, bar screen arrangements are provided for 20 nos. of channels / street drains as detailed below

Sl. No.	Point No.	Name of Channel	Location	Remarks
1.	27	Kumsumkattalai drainage channel	Ellai karai	Completed on 20.03.2020
2.	1	Periya voikal I	Tail end beach road	Completed on 10.07.2020
3.	2	Periya voikal I	Tail end beach road	Completed on 10.07.2020
4.	3	Karaikal drainage channel	Near PWD sub division at Beach road	Completed on 10.07.2020
5.	4	Street drain	Kamarajar salai west side of road bridge	Completed on 13.07.2020
6.	5	Street drain pipe	Nehru Street and NSC bose road junction (old bridge)	Completed on 13.07.2020
7.	6	Street drain	NSC bose road (near Veterinary Hospital)	Completed on 13.07.2020
8.	7	Street drain	NSC Bose Road (Near Ujjaini Kaliamman Koil-I)	Completed on 13.07.2020
9.	8	Street drain	NSC Bose Road (Near Ujjaini Kaliamman Koil-II)	Completed on 13.07.2020
10.	16	Vadi voikal	Raddar station opposite	Completed on 14.07.2020
11.	22	Street drain	NSC Bose Road and Hajiar Street junction	Completed on 14.07.2020
12.	23	Street drain	Hajiar Street Ist cross	Completed on 14.07.2020
13.	24	Street drain	Ellai karai	Completed on 14.07.2020
14.	25	Street drain	Ellai karai Sunnambukara street junction (Near Foot bridge)	Completed on 15.07.2020
15.	26	Street drainage pipe	Ellai karai (Vallal Seethakathi street junction)	Completed on 15.07.2020

16.	28	Karaikal branch channel	Ellai karai	Completed on 15.07.2020
17.	29	Puduthurai branch drainage channel	RB of Vanjiar (Near Confluence point)	Completed on 15.07.2020
18.	30	Puduthurai branch drainage channel	RB of Vanjiar (Near Confluence point)	Completed on 15.07.2020
19.	31	Puduthurai branch drainage channel	RB of Vanjiar (Near Foot Bridge)	Completed on 15.07.2020
20.	32	Puduthurai branch drainage channel	RB of Vanjiar (Near Cluny Hospital)	Completed on 15.07.2020

For the balance 13 locations bar screening arrangements are not necessary, as the flow in these drainage channels are seasonal only and there is no chance for pollution of water in these channels.

Sl. No.	Point No.	Name of Channel	Location	Remarks
1.	9	Nelli voikal	Confluence to Arasalar	Seasonal flow
2.	10	Vadi voikal	Vadi voikal near Athipadugai	
3.	11	Sellur vadi voikal	Athipadugai to Pettai (Two vent bed dam cum culvert)	
4.	12	Papankuttai vadi kanni	Vellapallam kanni	
5.	13	Vadi voikal single vent	Pettai to Agalancannu Regma ceramic tiles company back side	
6.	14	Ammai voikal	Near Cremation yard	
7.	15	Fishing Harbour	Mullaiyar confluence point to Arasalar	
8.	17	Oduthurai vadi voikal	Near Melaoduthurai OHT	
9.	18	Oozhiyapathu vadi voikal	At Oozhiyapathu	
10.	19	Vizhidiyur vadi voikal	Opposite petrol bunk at Vizhithiyur	
11.	20	Sheshamoolai drainage channel	At Vizhithiyur	
12.	21	Vanjiar	Confluence point	Confluence point
13.	33	Noolar	Confluence point	

Yours faithfully,

EXECUTIVE ENGINEER –I&PH
P.W.D, KARAIKAL

Copy Submitted to : 1. The Chief Engineer, PWD, Puducherry
2. The Superintending Engineer-III, PWD, Karaikal
} for kind information

Copy to : The Assistant Engineer, M.I.(Central), PWD, Karaikal

ANNEXURE – II

Chunnambar River Water Quality Data			
S.No	**Parameters**	**Apr-20**	**Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B**
1	**Date of sampling**	15.04.2020	
2	**Time**	11.30 A.M	
3	**Temp °C**	32	
4	**pH**	7.70	6.5-8.5
5	**DO (mg/l)**	6.3	5 or more
6	**BOD (mg/l)**	1.25	3 or less

Arasalar River Water Quality Data			
S.No	**Parameters**	**Apr-20**	**Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B**
1	**Date of sampling**	15.04.2020	
2	**Time**	10.00 A.M	
3	**Temp °C**	33.6	
4	**pH**	8.18	6.5-8.5
5	**DO (mg/l)**	4.2	5 or more
6	**BOD (mg/l)**	3.2	3 or less

Chunnambar River Water Quality Data			
S.No	**Parameters**	**May-20**	**Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B**
1	**Date of sampling**	19.05.2020	
2	**Time**	10.05 A.M	
3	**Temp °C**	31	
4	**pH**	8.54	6.5-8.5
5	**DO (mg/l)**	6.1	5 or more
6	**BOD (mg/l)**	4.25	3 or less

Arasalar River Water Quality Data			
S.No	**Parameters**	**May-20**	**Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B**
1	**Date of sampling**	21.05.2010	
2	**Time**	10.30 A.M	
3	**Temp °C**	33.1	
4	**pH**	8.0	6.5-8.5
5	**DO (mg/l)**	4.8	5 or more
6	**BOD (mg/l)**	3.1	3 or less

Chunnambar River Water Quality Data			
S.No	**Parameters**	**Jun-20**	**Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B**
1	**Date of sampling**	10.06.2020	
2	**Time**	10.20 A.M	
3	**Temp°C**	30	
4	**pH**	8.68	6.5-8.5
5	**DO (mg/l)**	7.9	5 or more
6	**BOD (mg/l)**	5.8	3 or less

Arasalar River Water Quality Data			
S.No	**Parameters**	**Jun-20**	**Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B**
1	**Date of sampling**	24.06.2020	
2	**Time**	06.30 A.M	
3	**Temp°C**	30.2	
4	**pH**	7.75	6.5-8.5
5	**DO (mg/l)**	4.4	5 or more
6	**BOD (mg/l)**	3.2	3 or less

ANNEXURE – III

ADOPTION OF GOOD IRRIGATION PRACTICE

1. In the present budget a subsidy of Rs. 5000/- has been proposed for cultivation of Millets / Minor Millets which would help in reducing water usage.
2. It is proposed to cover more area under precision farming.
3. System of Rice Intensification (SRI) is popularized among the farming community as a water saving measure.
4. Sustainable Sugarcane Initiative (SSI) for reducing water consumption in sugarcane crops is also being popularized.
5. Attractive subsidy assistance is being extended to farmers for installation of Drip / Sprinkler irrigation devices.
6. Attractive subsidy assistance is being extended to farmers for laying underground pipelines for conveyance of irrigation water.

ANNEXURE - IV

PROTECTION AND MANAGEMENT OF FLOOD PLAIN ZONES (FPZ)

Sl. No.	Key components of proposed action plans for restoration of identified polluted river stretches in States / UTs	Proposed Achievable Target	Proposed Time Targets for Compliance	Present status and or Pendency in terms of %	Remarks
1.	**Flood Plain Zone protection and its management**	Proposal submitted for approval of 50.00 Crore	2020 - 2025	The Karaikal Region is receiving water from the Seven Cauvery distributaries from Tamilnadu. The flood / excess water due to rainfall run off will be released and regulated by Tamilnadu Irrigation Division from the upper reaches through these seven distributaries. The river banks and the inspection tracks are almost strengthened to receive the flood water from upper reaches in Tamilnadu and to dispose safely to the Ocean (Bay of Bengal). However flood protection scheme works has been included under Flood Management and Border Area Programe for an amount of Rs.50 Crore in the proposal for the period from 2020-2025 for getting approval from Government. The details are enclosed, in which for protecting the Arasalar river bank an estimate for an amount of Rs.10.00 Crore is earmarked to protect the Left Bank of Arasalar river above tail end regulator at Melaoduthurai.	After getting approval of works under Flood Management and Border Area Programe, DPR will be submitted

ANNEXURE – V

Ground Water Recharge / Rain Water Harvesting

Government of Puducherry is taking continuous efforts to protect and restore the ground water resources and fulfill the water requirement of present without compromising the needs of future generation. The details of the various actions taken by the Government of Puducherry on Ground Water Recharge and Rain Water Harvesting are stated below:

1. U.T of Puducherry prepared a separate Water Policy in 2016 to develop, conserve and manage the water resources in the region in a sustainable manner guided by the national perspective. The policy encourages to take all efforts to store the surplus rain water in the canals, ravines and rivers by way of constructing small bed dams or regulators. Traditional water conservation practices of rain water harvesting including roof top rain water harvesting is also promoted through appropriate legislative measures.

2. The Puducherry Building By-laws and Zoning Regulations mandates the building owners to take effective measures for rain water harvesting and necessary conditions are incorporated in the Building Permits. The planning authorities while issuing occupancy certificate ascertain that the conditions stipulated in the building permits regarding rain water harvesting measures have been complied with.

3. The Puducherry Ground Water Authority has been constituted under the Pondicherry Ground Water (Control & Regulation) Act, 2002 to effectively and efficiently control and regulate the extraction of Ground water in the Union Territory. The Puducherry Ground Water Authority does not issues fresh permits / renews permits to any industries / institutions unless it is installing the Rain Water Harvesting System in their respective buildings. This is put as a precondition and insisted upon while granting clearance to the industries.

4. Rain water harvesting structures have been provided in all Government buildings at Government cost wherever feasible. The Department of Agriculture constructed 30 roof top rain water harvesting structures in Government buildings. Public Works

Department, Puducherry constructed 165 roof top rain water harvesting structures in Government schools and Colleges. Further, Rain Water Harvesting Structures have been constructed in 121 industries in Puducherry.

5. To augment ground water recharge in the river basins the Public Works Department has constructed 26bed dams in Puducherry and Karaikal region another 8 bed dams are proposed to be newly constructed. The construction of bed dam has considerably helped in the raising of ground water level.

6. Recharge structures are constructed in the desilted ponds for recharge of ground water aquifer since 1990 onwards.

7. Attractive Subsidy assistance are being extended for renovation of unused dug-cum-bore wells for harvesting rain water.

8. Recharge shafts are being constructed across the river courses/ channels / river beds near the water holding area for better recharging of ground water.

9. Construction of Farm Ponds is promoted for harvesting Rain Water and reuse it for critical wilting of crops in Karaikal region. The ponds are also used for fish culture by which the farmers are realizing additional income by extending attractive subsidy assistance.

10. Agriculture Department and Department of Science, Technology and Environment conducts awareness programmes to the Publics, Farmers, Students and industrialist to create awareness about the conservation of water and harvesting rain water.

11. Tanks and ponds play a vital role in recharging ground water resources. The task of rehabilitation of tanks was taken up by the Government of Puducherry under Tank Rehabilitation Project, Puducherry (TRPP) with the financial assistance of European Union in the year 1998 which lasted for 6 years till 2004. Under this project all the 84 numbers of tanks located in Puducherry have been desilted and their water holding capacity has been increased from 46 MCM to 75 MCM which has given a good impact in the ground water regime of Puducherry. Subsequently in 2016, rejuvenation of 25 tanks and 32 village ponds in Puducherry have been taken up with funding from

the Ministry of Environment Forests and Climate Change, Govt. of India under the National Adaptation fund for Climate Change and the project is under progress. Also, the U.T. Government has taken up desilting of urban drains, rural canals and village ponds with the cooperation of the general public and donor institutions under various projects initiated by the U.T. government since 2017 viz. Water Rich Puducherry program initiated by the Hon'ble Lieutenant Governor of Puducherry, Neerum Oorum Program and Nam Neer Program initiated by the District Collectors of Puducherry and Karaikal Districts respectively. Under these programs Government Employees are motivated by the administration to contribute for the desilting of water bodies through Employee Social Responsibility (ESR) Fund as a pioneer initiative which received an overwhelming response. The Industries and Institutions are also encouraged to take up the restoration works under CSR. Public Participation and Student Participation are encouraged to strengthen the community ownership. To make the restoration initiative sustainable, a team is formed for each pond in a combination of SHG of the own Village, NSS students of the own Villages and Self Interest Groups like Lion Club, Rotract Club, etc., for future maintenance.