

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL SOUTHERN ZONE
BENCH AT CHENNAI**

Original Application No. 259 of 2020(SZ)

&

Original Application No. 02 of 2021(SZ)

IN THE MATTER OF:

Tribunal on its own motion SUO MOTU based on the News Item in The Indian Express, Newspaper dt: 09.12.2020, "Andhra town Eluru hit by „mystery“ illness, traces of lead, nickel in blood samples”, News Item in The Times of India, Newspaper dt: 08.12.2020, "Heavy metal content in water caused mysterious disease in AP", & News Item in NDTV, dt: 09.12.2020, "Lead, Nickel found in blood of people with mystery illness in Andhra Pradesh.

And

The Chief Secretary of Govt. of Andhra Pradesh and Others

...Respondent(s)

With

Tribunal on its own motion - SUO MOTU based on the News item in The Hindu, edition dated 15.12.2020, Kolleru (West Godavari Dt.) "Mystery illness raises concerns over Kolleru pollution".

And

The Chief Secretary to Govt. of Andhra Pradesh & Ors.

...Respondent(s)

REPORT FILED BY THE 4th RESPONDENT APPCB

23-03-2023



M/s MADHURI DONTI REDDY

ADVOCATE

STANDING COUNSEL FOR GOVERNMENT OF ANDHRA PRADESH

A.P. POLLUTION CONTROL BOARD

T.T.D. SUPREME COURT OF INDIA

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COUNSEL FOR 4TH Respondent APPCB

BEFORE THE HON'BLE NATION GREEN TRIBUNAL
SOUTH ZONE, CHENNAI
ORIGINAL APPLICATION No. 259 OF 2020 & 02 OF 2021 (SZ)

With
Original Application No. 02 of 2021 (SZ)

In The Matter of:

Tribunal on its own motion Suo Motu based on the news item in The Indian Express, Newspaper dt. 09.12.2020, "Andhra town Eluru hit by" mystery "illness, Traces of lead, nickel in blood samples", News item in The Time of India, Newspaper Dt. 08.12.2020, "Heavy metal content in water Caused mysterious disease in Andhra Pradesh" & News item in NDTV, dt. 09.12.2020, "Lead, Nickel found in blood of people with Mystery illness in Andhra".

..... Applicant (s)

Verses

The Chief Secretary of Govt. of Andhra Pradesh and Ors.

..... Respondent (s)

With

Tribunal on its own motion Suo Motu based on the news item in The Hindu, edition 15.12.2020, "Kolleru (West Godavari Dt.) "Mystery illness raises Concerns over Kolleru Pollution".

..... Applicant (s)

Verses

The Chief Secretary to Govt. of Andhra Pradesh, Andhra Pradesh and Ors.

..... Respondent (s)

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| 1 | Progress report on Kolleru Lake in the matter of O.A. No. 259/2020 (SZ) with O.A. No. 02/2021 (SZ) in compliance with the order dated 14.02.2023. | 1-38 |

Place: Vijayawada,
Date: 21.03.2023.



K.Srinivas

Joint Chief Environmental Scientist (FAC),

Joint Chief Environmental Scientist
A.P. Pollution Control Board,
Central Laboratory, Head Office,
Vijayawada-520 010.

Item No.03(i) & (ii):-

**BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI**

(Through Video Conference)

Original Application No. 259 of 2020 (SZ)

WITH

Original Application No. 02 of 2021(SZ)

IN THE MATTER OF:

Tribunal on its own motion SUO MOTU based on the News Item in The Indian Express, Newspaper dt: 09.12.2020, "Andhra town Eluru hit by 'mystery' illness, traces of lead, nickel in blood samples", News Item in The Times of India, Newspaper dt: 08.12.2020, "Heavy metal content in water caused mysterious disease in AP", & News Item in NDTV, dt: 09.12.2020, "Lead, Nickel found in blood of people with mystery illness in Andhra Pradesh.

And

The Chief Secretary of Govt. of Andhra Pradesh and Ors.

...Respondent(s)

WITH

Tribunal on its own motion - SUO MOTU based on the News item in The Hindu, edition dated 15.12.2020, Kolleru (West Godavari Dt.) "Mystery illness raises concerns over Kolleru pollution".

And

The Chief Secretary to Govt.of Andhra Pradesh & Ors.

...Respondent(s)

Date of hearing: 14.02.2023.

CORAM:

HON'BLE Smt. JUSTICE PUSHPA SATHYANARAYANA, JUDICIAL MEMBER

HON'BLE Dr. SATYAGOPAL KORLAPATI, EXPERT MEMBER

O.A. No. 259/2020(SZ):

For Applicant(s): Suo Motu.

For Respondent(s): Mrs. Madhuri Donti Reddy for R1 to R7.

O.A. No. 02/2021(SZ):

For Applicant(s): Suo Motu.

For Respondent(s): Mrs. Madhuri Donti Reddy for R1 to R8.

ORDER

1. The learned counsel for the Andhra Pradesh Pollution Control Board has filed the report including the progress on the comprehensive scientific study to save the Kolleru Wildlife Sanctuary and the wetland of Kolleru. They have also produced the notification of the award in favour of the National Environmental Engineering Research Institute (NEERI).
2. It appears that the Original Application No.23 of 2023 (SZ) also involves the same issue. Hence, a detailed report may be filed regarding the regulators proposed to be constructed and their location, topography, etc. along with the sketch.

3. Post the matter on 24.03.2023.

Sd/-
Smt. Justice Pushpa Sathyanarayana, JM

Sd/-
Dr. Satyagopal Korlapati, EM

O.A. No.259/2020(SZ) &
O.A. No.02/2021(SZ)
14th February 2023. AD.



Second Progress Report on “Comprehensive Scientific Study to save Kolleru Wildlife Sanctuary and Wetland of Kolleru”

Andhra Pradesh Pollution Control Board (APPCB) has awarded the study to carry out the “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru” to CSIR-National Environmental Engineering Research Institute (NEERI) vide notification of award no. APPCB-12023/2/2021-SS-CL-APPCB-569 dated 09.11.2022 and amendment No. APPCB-12023/2/2021-SS-CL-APPCB-762 dated 07.12.2022. Accordingly, after acceptance of the work order, the reconnaissance survey was carried out during December 21-23, 2022 within the Kolleru wildlife sanctuary. Based on the reconnaissance, the detailed sampling plan has been prepared. The sampling of the drains (notified and non-notified) in study area started from February 4, 2023 and continuing. Based on the sampling till date, the status of the drains are as follows:

Table 1: Details of the number of drains

| Total no. of drains | No. of drains for which sampling has been completed | No. of drains for which sampling has to be carried out |
|---|---|--|
| NOTIFIED DRAINS | | |
| 67 | 57 | 10 |
| NON-NOTIFIED DRAINS | | |
| 46 | 32 | 14 |
| ADDITIONAL DRAINS SAMPLED: 10 Nos. | | |

Out of the 67 notified drains, the sampling has been completed for 57 drains and 10 drains sampling is under progress. Similarly, out of the 46 non-notified drains, the sampling has been completed for 32 drains and 14 drains sampling is in progress. Apart from the notified and non-notified drains, the team has also collected additional 10 drains, which are leading in to Kolleru wetland. The details of all the above drains are presented in Table 2. It was observed during the field survey that some of the drains become dry during the summer season. The lake sampling has already been started and it will be continued till the end of March 2023.

The field survey for flora diversity was carried out during March 3-7, 2023. During the field survey, the sampling teams visited the locations Atapaka, Madhavpuram, Kaikaluru, Manugunuru, Gopavaram, Chataparru, Thadinada, Penchikalamarru, Kolletikota, Gudivakalanka, Pedapadu, Denduluru, Unguturu, Akiveedu, Nidamarru, Bhimadhole.

At present, the field team is carrying out the sampling of the remaining drains. The lake sampling has already been started along with the collection of soil/sediments. The field survey for the faunal diversity will be carried out in the last week of March 2023.

Table 2: LIST OF DRAINS FALLING TO KOLLERU LAKE (WITHIN 5 FEET CONTOUR)

| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|---------------------------|---|--------------------------------|---------------------------|-------------------------|---|---|
| 67 Notified drains | | | | | | |
| 1 | Ramileru Major Drain | Completed | 07.02.2023 | Pedapadu | The drain across Krishna Eluru canal UT at Km.29/6-7 near Vasantavada |  |
| 2 | Pedapadu Major Drain | Completed | 06.02.2023 | Pedapadu | Eluru Canal through UT at M.33/4 -5 near Pedapadu(V) |  |
| 3 | Vatluru Major Drain | Completed | 04.02.2023 | Pedapadu | Eluru Canal through UT at M.36/4 - near Kotturu(V) |  |
| 4 | No.8 escape Major Drain or 7 UT Major Drain | Completed | 11.02.2023 | Eluru | Eluru Canal through UT at M.37/1-584 near Surapagudem(V) |  |
| 5 | Mondicodu Medium Drain | Sampling yet to be carried out | | | Starts from No.4 Outlet at M.45/7 of Godavari - Eluru | |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|-----------------------|--------------------------|---------------------------|-------------------------|---|---|
| | | | | | Canal in the village limits of Malikapuram Infalls : No.10 UT drain infalls into the drain at Km 2.75 (2) East Thammileru joints into Mondicodu drain at Km 10.33 | |
| 6 | Rachacodu Minor Drain | Completed | 07.02.2023 | Pedapadu | The drain starts from Veerammakunta(V) |  |
| 7 | Jalipudi Medium Drain | Completed | 09.02.2023 | Pedapadu | The drain starts from Eluru canal of Eluru town |  |
| 8 | Kovvali Major Drain | Completed | 06.02.2023 | Eluru | The drain starts from Eluru Canal at M.42-0-610 |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|--------------------------------|--------------------------|---------------------------|-------------------------|-----------------------------------|---|
| 9 | Pothunuru Minor Drain | Completed | 10.02.2023 | Eluru | The drain starts from Pothunuru |  |
| 10 | Kedavaram Minor Drain | Completed | 06.02.2023 | Pedapadu | The drain starts from Kedavaram |  |
| 11 | No.3 Escape Minor Drain | Completed | 14.02.2023 | Eluru | Eluru canal at M.33-12 1/4 Chlans |  |
| 12 | Polimerapunthacodu Minor Drain | Completed | 11.02.2023 | Eluru | Eluru Canal in Kurellagudem |  |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|------------------------|--------------------------------|---------------------------|-------------------------|------------------------------------|---|
| 13 | Vadalacodu Minor Drain | Completed | 11.02.2023 | Eluru | The drain starts from Pulla(V) |  |
| 14 | Nutalacodu Minor Drain | Sampling yet to be carried out | | Tadepalli | The drain starts from Rachuru(V) | |
| 15 | Loyeru Medium Drain | Completed | 07.02.2023 | Pedapadu | The drain starts from Satyavolu |  |
| 16 | Mondicodu Minor Drain | Completed | 09.02.2023 | Pedapadu | The drain starts from Pata Mupparu |  |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---------------------------|--------------------------------|---------------------------|-------------------------|------------------------------------|---|
| 17 | Appanacodu Minor Drain | Completed | 04.02.2023 | Pedapadu | The drain starts from Pata Mupparu |  |
| 18 | Reddivanicodu Minor Drain | Sampling yet to be carried out | | Eluru | The drain starts from Ponangi(V) | |
| 19 | Tamaracodu Minor Drain | Completed | 08.02.2023 | | The drain starts from Ponangi(V) | |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|----------------------------|--------------------------|---------------------------|-------------------------|----------------------------------|--|
| 20 | Madigavanicodu Minor Drain | Completed | 09.02.2023 | Pedapadu | The drain starts from Ponangi(V) |  |
| 21 | Pathacodu Minor Drain | Completed | 09.02.2023 | Pedapadu | The drain starts from Ponangi(V) |  |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|----------------------------------|--------------------------------|---------------------------|-------------------------|---|--|
| 22 | Pedayadlagadi Minor Drain | Completed | 22.02.2023 | Pedapadu | The drain starts from Maheswarapuram |  |
| 23 | Anantayacodu Minor Drain | Completed | 08.02.2023 | Pedapadu | The drain starts from Maheswarapuram |  |
| 24 | Polimeracodu Minor Drain | Sampling yet to be carried out | | Eluru | The drain starts from Koteswaradurgapuram | |
| 25 | Appalawamiband a Minor Drain | Sampling yet to be carried out | | Eluru | The drain starts from Koteswaradurgapuram | |
| 26 | Koteswaradurga Puram Minor Drain | Sampling yet to be carried out | | Eluru | The drain starts from Koteswaradurgapuram | |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|-----------------------------|--------------------------------|---------------------------|-------------------------|------------------------------------|--|
| 27 | Pedacodu Minor Drain | Completed | 05.02.2023 | Akividu | The drain starts from Bavayyapalem |  |
| 28 | Educodu Minor Drain | Completed | 16.02.2023 | Akividu | The drain starts from Bavayyapalem |  |
| 29 | Addacodu Minor Drain | Sampling yet to be carried out | | Eluru | The drain starts from Chataparru | |
| 30 | Rayalertikalava Minor Drain | Completed | 14.02.2023 | Eluru | |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|-----------------------------|--------------------------------|---------------------------|-------------------------|--------------------------------------|--|
| 31 | Vissacodu Minor Drain | Completed | 21.02.2023 | Akividu | The drain starts from Kovvali |  |
| 32 | Pedacodu Minor Drain | Completed | 21.02.2023 | Eluru | The drain starts from Chataparru |  |
| 33 | Tavvacodu Minor Drain | Sampling yet to be carried out | | Akivadu | The drain starts from Chataparru | |
| 34 | Chinakupavaram Medium Drain | Completed | 09.03.2023 | | The drain starts from Chinakupavaram |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|-----------------------------|--------------------------|---------------------------|-------------------------|---|---|
| 35 | Nagulacodu Minor Drain | Completed | 10.02.2023 | Eluru | The drain starts from Gundugolanu |  |
| 36 | Bhadricodu Minor Drain | Completed | 10.02.2023 | Eluru | The drain starts from Eluru Canal at Km 39.1330 |  |
| 37 | Puppalavaricodu Minor Drain | Completed | 12.02.2023 | Eluru | The drain starts from from Pulla |  |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---------------------------|--------------------------|---------------------------|-------------------------|-----------------------------------|--|
| 38 | Gummulurucodu Minor Drain | Completed | 20.02.2023 | Akividu | The drain starts from Apparaopeta |  |
| 39 | Alacodu Minor Drain | Completed | 20.02.2023 | Akividu | The drain starts from P.Kavavaram |  |
| 40 | Siddapuram Minor Drain | Completed | 09.03.2023 | | The drain starts from Siddapuram |  |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|------------------------------|--------------------------------|---------------------------|-------------------------|---|---|
| 41 | Pandicodu Minor Drain | Completed | 16.02.2023 | Ganapavaram | The drain starts from Gunaparru(V) |  |
| 42 | Thokalapalli Major Drain | Completed | 11.02.2023 | | The drain starts from Uppakapadu |  |
| 43 | Gedalacodu Minor Drain | Sampling yet to be carried out | | Tadepalli | The drain starts from Tokalapalli | |
| 44 | Kolletipuntacodu Minor Drain | Completed | 16.02.2023 | Ganapavaram | The drain starts from Poda Nindrakolanu |  |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|--------------------------|--------------------------|---------------------------|-------------------------|------------------------------------|--|
| 45 | Nidamarru Minor Drain | Completed | 17.02.2023 | Ganapavaram | The drain starts from Nidamarru |  |
| 46 | Venkatapuram Minor Drain | Completed | 17.02.2023 | Ganapavaram | The drain starts from Venkatapuram |  |
| 47 | Roadkolumula Minor Drain | Completed | 16.02.2023 | Ganapavaram | The drain starts from Adavikolanu |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|--------------------------------|--------------------------------|---------------------------|-------------------------|-----------------------------------|--|
| 48 | Mokalicodu Minor Drain | Completed | 17.02.2023 | Ganapavaram | The drain starts from Adavikolanu |  |
| 49 | Timmaraogudemco du Minor Drain | Completed | 17.02.2023 | Ganapavaram | The drain starts from Adavikolanu |  |
| 50 | Kothacodu Minor Drain | Completed | 18.02.2023 | Ganapavaram | The drain starts from Adavikolanu |  |
| 51 | Ganapayyacodu Minor Drain | Sampling yet to be carried out | | | The drain starts from Bynapalli | |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|--------------------------------|--------------------------|---------------------------|-------------------------|------------------------------------|--|
| 52 | Gangadevicodu Minor Drain | Completed | 17.02.2023 | Tadepalli | The drain starts from Thokalapalli |  |
| 53 | Polaraju Minor Drain | Completed | 22.02.2023 | | |  |
| 54 | LS Drain of Moturu Minor Drain | Completed | 23.02.2023 | | |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---------------------------------|--------------------------------|---------------------------|-------------------------|--|---|
| 55 | Chandriahcodu Minor Drain | Completed | 07.02.2023 | Pedapadu | |  |
| 56 | LS Drain of Nehrall Minor Drain | Completed | 24.02.2023 | | |  |
| 57 | Yerramcodu Minor Drain | Sampling yet to be carried out | | Tadepalli | The drain starts from Thokalapalli | |
| 58 | Harijanacodu Minor Drain | Sampling yet to be carried out | | Tadepalli | The drain starts from Thokalapalli | |
| 59 | Gangadevicodu Minor Drain | Completed | 18.02.2023 | Ganapavaram | The drain starts from Pedanindrakolanu |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|----------------------------|--------------------------|---------------------------|-------------------------|-------------------------------------|--|
| 63 | Tummacodu Minor Drain | Completed | 20.02.2023 | Eluru | The drain starts from Pulla |  |
| 64 | Chandraiahcodu Minor Drain | Completed | 07.02.2023 | Pedapadu | The drain starts from Pathamupparru |  |
| 65 | Kolletikalava Minor Drain | Completed | 08.02.2023 | | The drain starts from Ponangi |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|-------------------------------|-------------------------------|--------------------------------|---------------------------|-------------------------|---------------------------------|--|
| 66 | Satyanarayanacodu Minor Drain | Completed | 13.02.2023 | Eluru | The drain starts from Jallipudi |  |
| 67 | Kondepuntha Minor Drain | Completed | 14.02.2023 | Eluru | The drain starts from Jallipudi |  |
| 46 non notified drains | | | | | | |
| 1. | Potabodi minor drain | Sampling yet to be carried out | | | In falling in to Kolleru | Merge with Beedarachedu |
| 2. | Pathaveyeru minor drain | Sampling yet to be carried out | | | In falling in to Kolleru | Merge with Beedarachedu |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|-----------------------------|--------------------------|---------------------------|-------------------------|--------------------------|---|
| 3. | Beedarachedu minor drain | Completed | 06.03.2023 | | In falling in to Kolleru |  |
| 4. | Uracodu Minor Drain | Completed | 06.03.2023 | Pedapadu | In falling in to Kolleru |  |
| 5. | Kantriraju codu minor drain | Completed | 07.03.2023 | | In falling in to Kolleru |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|------------------------|--------------------------------|---------------------------|-------------------------|-----------------------------|---|
| 6. | Nadumukodu drain | Completed | 07.03.2023 | | In falling in to Kolleru |  |
| 7. | Deepamkodu minor drain | Completed | 07.03.2023 | | In falling in to Potabodi |  |
| 8. | Mondicodu minor drain | Completed | 22.02.2023 | Pedapadu | In falling in to Uracodu |  |
| 9. | Merakabodi minor drain | Sampling yet to be carried out | | | In falling in to Nutalacodu | Merging with Nutalacodu |
| 10. | Nutalacodu minor | Sampling yet to be carried | | Kollaparru | Extension of Notified drain | Merging with Nutalacodu |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---|--------------------------|---------------------------|-------------------------|--|--|
| | drain Leading Course | out | | | Nutalcodu | |
| 11. | Gummuluru Codu Minor drain Leading Course | Completed | 22.02.2023 | Akividu | Extension of Notified drain Gummulurucodu |  |
| 12. | Polimeracodu of Siddapuram Leading Course | Completed | 22.02.2023 | Akividu | Extension of Notified drain Polimeracodu of Siddapuram |  |
| 13. | Alacodu Minor drain Leading Course | Completed | 22.02.2023 | Akividu | Extension of Notified drain Alacodu |  |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---------------------------------------|--------------------------------|---------------------------|-------------------------|--|--|
| 14. | Tumma Codu minor drain Leading Course | Completed | 22.02.2023 | Akividu | Extension of Notified drain Tummacodu |  |
| 15. | Vissa Codu Minor Drain Leading Course | Completed | 28.02.2023 | Akividu | Extension of Notified drain Vissa Codu |  |
| 16. | Eedu Codu Minor Drain Leading Course | Completed | 22.02.2023 | Akividu | Extension of Notified drain Eeducodu |  |
| 17. | Rallacodu Drain | Sampling yet to be carried out | | | In falling in to Katwachedu non notified drain | |
| 18. | Katwachedu Drain | Sampling yet to be carried out | | Kovvali | In falling in to Kolleru | |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---------------------------|--------------------------------|---------------------------|-------------------------|--|--|
| 19. | Pedacodu | Completed | 07.02.2023 | Akividu | In falling in to Kolleru |  |
| 20. | Seshyycodu leading course | Completed | 07.02.2023 | Eluru | Extension to Seshayyacodu Medium drain |  |
| 21. | Uracodu Minor Drain | Completed | 06.03.2023 | Mondicodu | In falling in to Kolleru |  |
| 22. | Kokkeracodu | Completed | 07.02.2023 | | In falling in to Kolleru | |
| 23. | Jodu kalva drain | Sampling yet to be carried out | | Mondicodu | In falling in to Kolleru | |
| 24. | Latu codu drain | Sampling yet to be carried | | Komati lanka | In falling in to Kolleru | |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---|--------------------------------|---------------------------|-------------------------|--|--|
| | | out | | | | |
| 25. | Komaticodu | Sampling yet to be carried out | | Komati lanka | In falling in to Kolleru | |
| 26. | Mondicodu Drain Leading course | Sampling yet to be carried out | | Kovvali | Extension to Mondicodu Medium drain | |
| 27. | Jaracodu minor drain | Sampling yet to be carried out | | M.M Puram | In falling in to Kolleru | |
| 28. | Naidu codu leading course | Completed | 22.02.2023 | Ganapavaram | Extension to naidu codu minor drain |  |
| 29. | Kolleti Road puntha codu leading course | Completed | 22.02.2023 | Ganapavaram | Extension to kolleti road puntha codu minor drain |  |
| 30. | Unsurvey bodhi Drain | Sampling yet to be carried out | | | In falling into pandicodu major at km 2.400 L/B leading course | |

Second progress report on "Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru"



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---------------------------|--------------------------------|---------------------------|-------------------------|--|--|
| 31. | Addapandicodu Drain | Completed | 28.02.2023 | | In falling into pandicodu major at km 0.200L/B leading course |  |
| 32. | Gongaralakodu minor drain | Completed | 03.03.2023 | | Starts from pedanindrakolanu channel and infalls into kolleru |  |
| 33. | Veepukodu minor drain | Completed | 03.03.2023 | | Starts from Gonaralacodu 1.725 channel and infalls into unsurvey bodhi at km 0.850 |  |
| 34. | Kondareddy codu Drain | Sampling yet to be carried out | | Ganapavaram | Starts at Naidu codu drain leading course at km 3.685 L/B | |

Second progress report on “Comprehensive scientific study to save Kolleru wildlife sanctuary and wetland of Kolleru”



| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|------------------------------------|--------------------------|---------------------------|-------------------------|-------------------------------------|--|
| 35. | Mondipuntha kodu drain | Completed | 28.02.2023 | | Starts at dandagarra fields |  |
| 36. | Mokaticodu leading course | Completed | 22.02.2023 | Ganapavaram | Extension to mokaticodu minor drain |  |
| 37. | Thimmaragudem minor leading course | Completed | 22.02.2023 | Ganapavaram | Extension to mokaticodu minor drain |  |

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| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|------------------------------|--------------------------|---------------------------|-------------------------|--|--|
| 38. | Gangadevicodu leading course | Completed | 22.02.2023 | | Extension to Gangadevicodu minor drain |  |
| 39. | Kotthacodu leading course | Completed | 16.02.2023 | Ganapavaram | Extension to kothacodu drain |  |
| 40. | Merakolala codu drain | Completed | 01.03.2023 | | In falling in to Kolleru |  |

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| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|---------------------------|--------------------------------|---------------------------|-------------------------|--|--|
| 41. | Varlacodu drain | Completed | 01.03.2023 | | In falling in to Kolleru |  |
| 42. | Payajada codu minor drain | Sampling yet to be carried out | | Adavikolanu | Starts at Gedalacodu of Bynepalli village | Merge with Pandikodu |
| 43. | Kothacodu leading course | Completed | 22.02.2023 | Ganapavaram | Extension to kothacodu drain of chanamilli |  |
| 44. | Valu codu leading course | Completed | 22.02.2023 | | Extension to valucodu drain of chanamilli |  |

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| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---|---|
| 45. | Nidamarru leading course | Completed | 22.02.2023 | Ganapavaram | Extension to Nidamarru drain of chanamilli |  |
| 46. | Venkatapuram leading course | Completed | 22.02.2023 | Ganapavaram | Extension to venkatapuram drain of chanamilli |  |
| Additional drains | | | | | | |
| 1. | Tammileru drain | Completed | 05.02.2023 | | Upstream of Eluru town |  |
| 2. | Tammileru west drain | Completed | 05.02.2023 | | Near to Kolleru confluence | |
| 3. | Mondikodu of Veeramma kunta | Completed | 06.02.2023 | | |  |

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| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|-------------------------|--------------------------|---------------------------|-------------------------|---------|---|
| 4. | Donka kaluva | Completed | 08.02.2023 | | |  |
| 5. | Thadicheruvu minor road | Completed | 13.02.2023 | | |  |
| 6. | Sangakodu minor drain | Completed | 22.02.2023 | | |  |

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| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|------------------------------|--------------------------|---------------------------|-------------------------|---------|--|
| 7. | Rudarpaka right | Completed | 23.02.2023 | | |  |
| 8. | Kodingayala kodu minor drain | Completed | 23.02.2023 | | |  |
| 9. | Budameru major drain | Completed | 24.02.2023 | | |  |

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| Sl. No | Name of the Drain | Sample Collection Status | Date of Sample Collection | Irrigation Sub Division | Remarks | Photos |
|--------|------------------------|--------------------------|---------------------------|-------------------------|---------|---|
| 10. | Budamerru connectivity | Completed | 11.03.2023 | | |  |