



**HARYANA STATE POLLUTION CONTROL
BOARD**

**C-11, SECTOR-6, PANCHKULA
Ph-0172-577870-73, Fax No. 2581201
E-mail: hspcbwatercell@gmail.com**

HSPCB | 14-15
To

Dated:-18.09.2024

1. The Secretary, Government of India, Ministry of Jal Shakti, Department of Water Resources, River Development & Ganga Rejuvenation, Shram Shakti Bhawan, Rafi Marg. New Delhi.
2. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, New Delhi

Sub: Monthly progress Report by State of Haryana regarding Ghaggar and Yamuna Action Plan for the month of August, 2024.

Sir,

Please refer to the subject noted above.

In this connection, it is intimated that there are two polluted river stretches in the State of Haryana i.e. river Ghaggar and Yamuna. I have been directed to enclose herewith the progress report of Ghaggar and Yamuna Action Plan of Haryana for the month of August, 2024 on the prescribed format for your kind information and necessary action please.

DA/ As above.


**Env. Engineer (HQ)
For Member Secretary**

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No.
673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Haryana
Upto August, 2024

Overall status of the State:

I. Total Population: Urban Population

- ✓ Ghaggar catchment
Population – 27.6 lacs

- Yamuna catchment
Population – 92.4 lacs

- ❖ Other areas-
Population- 10.8 lacs

II. Estimated Sewage Generation (MLD):

- ✓ Ghaggar catchment
298.24 MLD

- Yamuna catchment
1239 MLD

- ❖ Other areas
117.5 MLD

III. Details of Sewage Treatment Plant:

• Existing no. of STPs and Treatment Capacity (in MLD):

- ✓ Ghaggar catchment
73 STPs of treatment capacity of 573 MLD

- Yamuna catchment
- 81 STPs of treatment capacity of 1468 MLD

- ❖ Other areas-
35 STPs of treatment capacity of 225 MLD

• Capacity Utilization of existing STPs:

- ✓ Ghaggar catchment
314.1 MLD effluent reaching STPs.

- Yamuna catchment
928 MLD effluent reaching STPs.

- ❖ Other areas
131 MLD effluent reaching STPs.

- **MLD of sewage being treated through Alternate technology:**

NIL

- **Gap in Treatment Capacity in MLD:**

- **Yamuna catchment**

There is gap of 325.5 MLD in the installed treatment capacity at present in comparison to requirement in towns i.e. Faridabad (232.5 MLD) and Gurugram (93 MLD).

- **No. of Operational STPs:**

Ghaggar catchment

There are total 73 STPs installed in the catchment of river Ghaggar with the capacity of 561 MLD. As per latest status, 10 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-1**.

Yamuna catchment

There are total 81 STPs installed in the catchment of river Yamuna with the capacity of 1468 MLD. As per latest status, 20 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-2**.

Other Areas

There are total 35 STPs of 225 MLD capacity installed in the other areas not falling in the catchment of rivers. Out of these 19 STPs are not meeting the prescribed limits. The list is enclosed as **Annexure-3**.

Table- Details of town wise STPs in the State of Haryana are given as under:-

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|--------------------------|--------------|-----------------------------|-------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ghaggar Catchment | | | | | |
| 1 | Naraingarh | 3 | 1.7 | Operational | Non Complying |
| 2 | Ambala | 64 | 22.1 | Operational | 5 STPs are complying, and 8 STPs are Non-Complying (5 MLD Baldev Nagar, 3.25 MLD Unit-II, Baldev Nagar, 0.25 MLD Sadopur & 3 MLD Devi Nagar, Ambala) |
| 3 | Ratia | 6.5 | 4.5 | Operational | Complying |
| 4 | Tohana | 10 | 8.2 | Operational | Complying |
| 5 | Jhakal Mandi | 3 | 1.5 | Operational | Complying |
| 6 | Fatehabad | 33 | 14 | Operational | 4 STPs are complying |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|-------------------------|---------------|-----------------------------|-------------------------|---------------------------|----------------------------------------------------------------------------|
| 7 | Hisar | 82 | 50 | Operational | 4 STPs are complying and 1 STP is non-complying (4 MLD Kaimri Road, Hisar) |
| 8 | Narnaund | 4 | 2.15 | Operational | Complying |
| 9 | Narwana | 9.25 | 7.03 | Operational | 2 STPs are Complying and 1 STP is non-complying (2 MLD, Narwana, Jind) |
| 10 | Uchana | 5.5 | 2.75 | Operational | 2 STP is complying and 1 STP is Non complying |
| 11 | Jind | 37 | 20 | Operational | 3 STPs are Complying and 1 STP is non-Complying (5 MLD Jind) |
| 12 | Safidon | 9 | 3.2 | Operational | Complying |
| 13 | Cheeka | 10 | 5.5 | Operational | Complying |
| 14 | Kaithal | 40.5 | 21.5 | Operational | 5 STPs are Complying |
| 15 | Kalayath | 5 | 3.5 | Operational | Non-Complying |
| 16 | Pundri | 7 | 3.25 | Operational | 2 STPs are Complying |
| 17 | Shahabad | 11.5 | 6.5 | Operational | Complying |
| 18 | Pehowa | 8 | 5.5 | Operational | Non-complying |
| 19 | Thanesar | 40 | 18 | Operational | 2 STPs are Complying |
| 20 | Kalka | 4.75 | 2.55 | Operational | 1 STP is complying and STP is Non-complying (0.25 MLD Kalka, Panchkula) |
| 21 | Pinjore | 5 | 3.5 | Operational | Complying |
| 22 | Panchkula | 87.5 | 34.74 | Operational | 12 STPs are complying |
| 23 | Mandi Dabwali | 16.5 | 13.5 | Operational | Complying |
| 24 | Kalanwali | 9.5 | 2.5 | Operational | Complying |
| 25 | Sirsa | 37.5 | 29.5 | Operational | 3 STPs are complying |
| 26 | Rania | 6 | 2.60 | Operational | Complying |
| 27 | Ellenabad | 7.5 | 6 | Operational | Complying |
| Total | | 573 | 295.77 | | |
| Yamuna Catchment | | | | | |
| 1 | Jagadhri | 24 | 18.5 | Operational | Complying |
| 2 | Yamunanagar | 65 | 43.70 | Operational | 4 STPs are Complying |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|---------|--------------|-----------------------------|-------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Radaur | 3.5 | 2 | Operational | Complying |
| 4 | Chhachhrauli | 3 | 1.75 | Operational | Complying |
| 5 | Ladwa | 7 | 5 | Operational | Complying |
| 6 | Nilokheri | 6 | 3.5 | Operational | Complying |
| 7 | Taraori | 5.5 | 3.8 | Operational | Complying |
| 8 | Indri | 4 | 2.35 | Operational | Complying |
| 9 | Karnal | 88 | 59 | Operational | 4 STPs are Complying |
| 10 | Nissing | 4 | 2.3 | Operational | Complying |
| 11 | Gharaunda | 7 | 4.7 | Operational | Complying |
| 12 | Panipat | 136 | 42 | Operational | 6 STPs are complying |
| 13 | Samalkha | 5 | 4 | Operational | Complying |
| 14 | Gohana | 11.3 | 8.72 | Operational | 1 STP is complying and 1 STP is Non- Complying (3 MLD Gohana) |
| 15 | Ganaur | 7 | 5.5 | Operational | Complying |
| 16 | Sonepat | 77.5 | 48.3 | Operational | 4 STPs are Complying |
| 17 | Kharkhoda | 4.5 | 2 | Operational | Complying |
| 18 | Meham | 5 | 2.65 | Operational | Non Complying |
| 19 | Rohtak | 115.5 | 49.7 | Operational | 5 STPs are Complying, 1 STP is non-complying (40 MLD Sonaria, Rohtak) and 2 STPs are under up-gradation (10 MLD sector-25, Rohtak and 10 MLD Singhpura Rohtak) |
| 20 | Kalanaur | 3.5 | 2.5 | Operational | Complying |
| 21 | Sampla | 4 | 2.66 | Operational | Non Complying |
| 22 | Beri | 3 | 1.72 | Operational | Complying |
| 23 | Bahadurgarh | 64 | 22.6 | Operational | 2 STPs are complying and 1 STP is non-complying (18 MLD Line Par, Bahadurgarh) |
| 24 | Jhajjar | 10.5 | 6.45 | Operational | 2 STPs are Non Complying |
| 25 | Taoru | 4.5 | 2.6 | Operational | Non-complying |
| 26 | Gurugram | 415 | 474 | Operational | 11 STPs are complying and 1 STP non-complying (100 MLD Dhanwapur, Gurugram) |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|-------------------|---------------------|-----------------------------|-------------------------|---------------------------|------------------------------------------------------------------------------|
| 27 | Nuh | 3.6 | 2.3 | Operational | Non Complying |
| 28 | Ferozpur jhirka | 5 | 2.45 | Operational | Non Complying |
| 29 | Punhana | 4.5 | 1.25 | Operational | Non Complying |
| 30 | Faridabad | 85 | 197 | Operational | 2 STPs are complying & 1 STP is non-complying (45 MLD Badshahpur, Faridabad) |
| 31 | Palwal | 36.5 | 9 | Operational | Non Complying |
| 32 | Hathin | 4.5 | 2.08 | Operational | Non Complying |
| 33 | Hassanpur | 3 | 1.25 | Operational | Non Complying |
| 34 | Hodal | 9 | 4.6 | Operational | Non Complying |
| 35 | Jodhpur | 15 | | Operational | complying |
| 36 | Ferozpur | 2.5 | | Operational | complying |
| 37 | Kithwari/agwanpur | 10 | | Operational | complying |
| 38 | Partapgarh | 100 | | Operational | complying |
| 39 | Mirjapur | 80 | | Operational | complying |
| 40 | Ballabgarh | 7.5 | | Operational | complying |
| Total | | 1468 | 1038.9 | | |
| Other STPs | | | | | |
| 1 | Sohna | 6 | 4.5 | Operational | Non Complying |
| 2 | Pataudi | 4.5 | 2.7 | Operational | Non Complying |
| 3 | Farrukhnagar | 3 | 1.85 | Operational | complying |
| 4 | Haily Mandi | 5.5 | 2.9 | Operational | complying |
| 5 | Julana | 4 | 2.3 | Operational | complying |
| 6 | Dhana Road, Bhiwani | 10 | | Operational | Non Complying |
| 7 | Bhiwani | 10 | 38 | Operational | Non Complying |
| 8 | Bhiwani, Phase-I | 15 | | Operational | Complying |
| 9 | Bhiwani, Phase-II | 15 | | Operational | Non Complying |
| 10 | Charkhi Dadri | 5 | 6 | Operational | Non Complying |
| 11 | Charkhi Dadri | 5 | | Operational | Non Complying |
| 12 | Bawani Khera | 4.5 | 2 | Operational | Non Complying |
| 13 | Loharu | 3.5 | 2 | Operational | Non Complying |
| 14 | Tosham | 3 | 1.62 | Operational | Complying |
| 15 | Siwani | 4 | 2.75 | Operational | Non Complying |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|--------------|------------------------------------------------|-----------------------------|-------------------------|---------------------------|---------------------------|
| 16 | Mohindergarh | 6.5 | 2.5 | Operational | Non Complying |
| 17 | Ateli Mandi | 2 | 1.16 | Operational | Non Complying |
| 18 | Kanina | 3 | 0.89 | Operational | Non Complying |
| 19 | Rewari Road, Narnaul | 7.5 | 5 | Operational | Non Complying |
| 20 | Bawal | 3 | 2 | Operational | Non Complying |
| 21 | Rewari | 6.5 | | Operational | Non Complying |
| 22 | Rewari | 8 | | Operational | Complying |
| 23 | Rewari | 16 | 20 | Operational | Complying |
| 24 | Dharuhera | 9.5 | 4 | Operational | Complying |
| 25 | Kosli | 3 | 2 | Operational | Non Complying |
| 26 | Barara | 4 | 2.34 | Operational | Complying |
| 27 | Assandh | 5 | 3.80 | Operational | Complying |
| 28 | Hansi | 6.5 | 13 | Operational | Complying |
| 29 | Dhani Gram, Barwala | 6 | 4.5 | Operational | Non Complying |
| 30 | Uklana, Hisar | 6.5 | 3.5 | Operational | Complying |
| 31 | Dhani Kushal, Bhiwani Road, Hansi | 5 | | Operational | Non Complying |
| 32 | Lalpura- Jind Road, Hansi | 7.5 | | Operational | Non Complying |
| 33 | Bhiwani | 10 | | Operational | Complying |
| 34 | Dharuhera | 5 | | Operational | Complying |
| 35 | Near Chinkara Rest House, Rewari Road, Narnaul | 6 | | Operational | Non Complying in F. Coli |
| Total | | 225 | 131.31 | | |

Details of under construction STPs in the State

| Sr. No. | Location | Capacity of the plant in MLD | Physical Progress\ in % | Status of I&D or House sewer connections | Completion Timeline |
|--------------------------|-----------------------|------------------------------|-------------------------|-------------------------------------------------------------------|---------------------|
| Ghaggar Catchment | | | | | |
| 1 | 12 Cross Road, Ambala | 12 | 35% | 215311 House sewer connections provided in the Ghaggar Catchment. | 31.12.2025 |
| 2 | Khuda Khurd, Ambala | 12 | 40% | | 31.12.2025 |
| 3 | Shahpur Machhonda | 7.5 | 94% | | 31.08.2024 |
| 4 | Hisar | 15 | 98% | | 31.05.2024 |
| | Total | 46.5 | | | |
| Yamuna Catchment | | | | | |
| 1 | Murthal Sonapat | 3 | 92% | | 31.10.2024 |

| Sr. No. | Location | Capacity of the plant in MLD | Physical Progress\ in % | Status of I&D or House sewer connections | Completion Timeline |
|---------|--------------------------------------|------------------------------|-------------------------|------------------------------------------|---------------------|
| 2 | Bajghera | 2 | 38% | | 31.12.2024 |
| 3 | Manesar and Naharpur Kasan, Gurugram | 25 | 60% | | 31.12.2025 |
| 4 | Partapgarh, Sector-25, Faridabad | 15 | 75% | | 31.10.2024 |
| 5 | Golf NIT, Faridabad | 5 | 80% | | 31.09.2024 |
| | Total | 58 | | | |

Details of proposed STPs in the State

| Sr. No. | Location | Capacity of the STP proposed in MLD | Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded) | Likely Date of Completion |
|--------------------------|--------------------------|-------------------------------------|-----------------------------------------------------------------------|---------------------------|
| Yamuna Catchment | | | | |
| 1. | Dhanwapur, Gurugram | 100 | Financial bid opened and tender under allotment | 30.06.2025 |
| 2. | Behrampur, Gurugram | 100 | Financial bid opened and tender under allotment | 31.12.2025 |
| 3. | Sector-107, Gurugram | 100 | Land under identification | 31.12.2025 |
| 4. | Naurangpur, Gurugram | 40 | DPR under preparation | 31.12.2025 |
| 5. | Yamuna Nagar | 70 | | 31.12.2025 |
| 6. | Badshahpur, Faridabad | 45 | | 31.12.2025 |
| 7. | Mirzapur, Faridabad | 20 | | 31.12.2025 |
| 8. | Badshahpur, Faridabad | 15 | | 31.12.2025 |
| | Total | 490 | | |
| Ghaggar Catchment | | | | |
| 1 | Sector-32, Ambala Cantt. | 5 | DPR is under preparation by consultant. | 31.12.2027 |
| 2 | Naraingarh, Ambala | 1 | Revised estimate under preparation by consultant. | 31.12.2026 |
| 3 | Pinjore, Panchkula | 8 | EOI of the consultant is under approval. | 31.12.2027 |
| 4 | Hansi | 5 | EOI for hiring of consultant is under process. | 31.12.2027 |
| 5 | Hisar | 10 | Eol under preparation. | 31.12.2027 |
| 6 | Hisar | 5 | Estimate under preparation | 31.12.2027 |
| | Total | 34 | | |

IV. Details of Industrial Pollution:

| Sr. No. | River stretch | No. of industries | Quantum of effluent generated (in MLD) | No. of industries having ETPs | No. of industries connected to CETPs |
|---------|---------------|-------------------|----------------------------------------|-------------------------------|--------------------------------------|
| 1 | Yamuna | 3238 | 209.38 | 2080 | 1158 |
| 2 | Ghaggar | 419 | 19.1 | 346 | 73 |
| | Total | 3657 | 228.48 | 2426 | 1231 |

- **Number and total capacity of CETPs (details of existing/ under construction / proposed)**

| Sr. No. | River stretch | Existing CETPs | | Under construction CETPs | | Proposed CETPs | |
|---------|---------------|----------------|-------------------|--------------------------|-------------------|----------------|-------------------|
| | | No. | Capacity (in MLD) | No. | Capacity (in MLD) | No. | Capacity (in MLD) |
| 1 | Yamuna | 16 | 185.5 | 0 | 0 | 7 | 126.5 |
| 2 | Ghaggar | 5 | 7.6 | 1 | 1.5 | 0 | 0 |
| 3 | Other Areas | 1 | 22.5 | 0 | 0 | 0 | 0 |
| | Total | 22 | 215.6 | 1 | 1.5 | 7 | 126.5 |

- **Status of compliance and operation of the CETPs. Ghaggar Catchment**

| Town | No. of industries | Industrial Discharge (in MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|--------------|-------------------|-------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Ambala | 179 | 8.4 | All units have Installed ETPs | Existing – 2 CETPs of 5.5 MLD capacity are complying |
| Jind | 57 | 0.4 | | Existing - 1 CETP of 0.1 MLD capacity is complying. Under construction -1 CETP of 1.5 MLD capacity. |
| Kurukshetra | 53 | 3.4 | | 0 |
| Panchkula | 126 | 0.7 | | Existing – 1 CETP of 0.5 MLD capacity are complying as per latest A/Rs |
| Hisar | 3 | 6.2 | | 0 |
| Sirsa | 1 | 0.001 | | Existing - 1 CETPs of 1.5 MLD capacity is complying. |
| Total | 419 | 19.1 | | |

Yamuna Catchment

| Town | No. of industries | Industrial Discharge (In MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|-----------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------------------------------------|
| Jagadhri/ Yamunanagar | 171 | 6 | All units have Installed ETPs | Existing - 1 CETP of 3 MLD capacity is complying. |
| Karnal | 380 | 20 | | 0 |
| Panipat | 401 | 59.5 | | Existing - 3 CETPs are all complying. |
| Sonepat | 522 | 24.6 | | Existing - 5 CETPs of 35.2, 4 CETPs are complying and 1 CETP |

| Town | No. of industries | Industrial Discharge (In MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|-----------------------|-------------------|-------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| | | | | is non complying. Proposed - 1 CETP of 6 MLD capacity. |
| Rohtak | 60 | 0.4 | | Existing - 2 CETPs of 13 MLD (1 CETP of 3 MLD is under trial run and the other CETP of 10 MLD at IMT Rohtak is complying) |
| Bahadurgarh (Jhajjar) | 197 | 2 | | Existing - 2 CETP of 22.5 MLD and the same is complying. |
| Gurugram | 685 | 74.3 | | Existing - 2 CETPs of 55.2 MLD and are complying. Proposed - 3 CETPs of 30.5 MLD capacity. |
| Nuh | 44 | 7.3 | | 0 |
| Palwal | 75 | 6 | | 0 |
| Mohindergarh | 5 | 0.08 | | 0 |
| Faridabad | 698 | 9.2 | | Existing - 2 CETPs of 11.1 MLD are complying. Proposed - 3 CETPs of 90 MLD capacity. |
| Total | 3238 | 209.38 | | |

The list is enclosed as under:-

| Sr. No. | Name of CETP | Capacity in MLD | Deptt. | Analysis report no. and date (May) | Compliance status |
|----------------------|---------------------------------------|-----------------|---------|---------------------------------------------------------------------------------|----------------------|
| River Yamuna | | | | | |
| 1 | IE Rai, Sonapat | 5 | HSI IDC | 31.05.2024 | Complying |
| 2 | IE Barhi, Sonapat | 16 | HSI IDC | 28.05.2024 | Non-Complying |
| 3 | HSI IDC, Barhi, Sonapat | 10 | HSI IDC | 28.06.2024 | Complying |
| 4 | IE Kundli, Sonapat | 4 | HSI IDC | 25.04.2024 | Complying |
| 5 | IE Murthal, Sonapat | 0.2 | HSI IDC | 27.05.2024 | Complying |
| 6 | IMT Rohtak | 10 | HSI IDC | 30.01.2024 | Complying |
| 7 | IE Kutana, Rohtak | 3 | HSI IDC | 30.01.2024 | Complying |
| 8 | IE Panipat Refinery Complex, Panipat | 2.5 | HSI IDC | Could not be functional , due to Non availability of sufficient effluent | |
| 9 | HSI IDC Sector 16-17, Bahadurgarh | 12.5 | HSI IDC | 30.01.2024 | Complying |
| 10 | IMT faridabad | 10.5 | HSI IDC | 28.03.2024 | Complying |
| 11 | IMT Manesar, Gurugram | 55 | HSI IDC | 29.05.2024 | Complying |
| 12 | Sector-29, Unit-I, Panipat | 21 | HSVP | 23.04.2024 | Complying |
| 13 | Sector-29, Unit-II, Panipat | 21 | HSVP | 23.04.2024 | Complying |
| 14 | Faridabad Electroplaters Association | 0.6 | Private | 14.03.2024 | Complying |
| 15 | Industrial Area, Sector- 37, Gurugram | 0.2 | Private | 28.05.2024 | Complying |
| 16 | Manakpur, Yamuna Nagar | 3 | HSI IDC | 15.03.2024 | Complying |
| 17 | IE Bahadurgarh | 10 | HSI IDC | | Complying |
| River Ghaggar | | | | | |

| Sr. No. | Name of CETP | Capacity in MLD | Deptt. | Analysis report no. and date (May) | Compliance status |
|-----------------------|-----------------------|-----------------|---------|------------------------------------|-------------------|
| 18 | IE Barwala, Panchkula | 0.5 | HSI IDC | 06.05.2024 | Complying |
| 19 | Ambala Cantt. | 0.5 | HSI IDC | 12.06.2024 | Complying |
| 20 | Saha, Ambala | 5 | HSI IDC | 03.05.2024 | Complying |
| 21 | I. E. Jind | 0.1 | HSI IDC | 17.07.2024 | Complying |
| 22 | IDDC, Sirsa | 1.5 | HSI IDC | 09.07.2024 | Complying |
| Other areas | | | | | |
| 23 | IMT Bawal, Rewari | 22.5 | HSI IDC | 28.03.2024 | Complying |
| Total capacity | | 214.6 | | | |

V. Solid Waste Management:

- **Total number of Urban Local Bodies and their Population.**

There are 88 Municipalities in the State out of which MC Manesar, Adampur, Siwan have been recently notified as Municipalities. Haily Mandi and Pataudi has been combined and named as new ULB Pataudi Mandi. As per annual report 2022-23, Solid Waste Management 5785 TPD is daily generation of Municipal Solid Waste and the population of all Municipalities is 88,42,103 as per Census 2011.

- **Current Municipal Solid Waste Generation.**

5544 TPD is daily generation of Solid Waste in the State. Brief status regarding management of Solid Waste in ULBs is as under:-

| SWM Activities in State | Quantity |
|-------------------------------------------------------------|---------------------------------------------|
| Total No. of Wards | 1646 |
| Quantity of Solid Waste | 5544 TPD |
| No. of wards with 100% Door to Door Collection | 1619 |
| No. of wards where segregation is initiated | 1185 |
| Quantity of Wet waste | 2854 TPD |
| Quantity of dry waste | 2140 TPD |
| Quantity of wet waste being processed | 2136 TPD |
| Quantity of dry waste being processed | 1795 TPD |
| No. of vehicles for D2D collection | 3401 |
| No. of vehicle with Compartment | 3000 |
| No. of vehicles with GPS | 3290 |
| No. of GVPs Identified | 851 |
| No. of BWG identified | 1103 |
| No. of BWG processing on site | 117 |
| No. of Solid Waste Challan collected in last three months | Total 792 challan of amounting Rs. 219370/- |
| No. of Plastic Waste Challan collected in last three months | Total 9784 challans of Rs. 43 Lakh |

For processing of dry waste 88 Material Recovery Facilities (MRF) has also been constructed in various Municipalities for channelization of dry waste.

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.**

As per report submitted by ULBD, there are two existing operational centralized Waste to Compost (WTC) facilities in the State at Rohtak (150

TPD) & Karnal (150 TPD). Apart from the above, two Bio-Methanation plants are operational in Faridabad (5TPD) & Karnal (15 TPD). One Bio-Gas plant of capacity 20 TPD (private party) is operational in Ambala.

Further, there are 3200 no. of compost pits (including park pits) having the capacity approx. 3180 TPD for processing of wet waste and horticulture waste in various MCs. In addition, approx.11208 household pits have been constructed to encourage the households for home composting in Ambala Sadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula& Rohtak.

Further, Waste to Energy Plant at ISWM Sonapat-Panipat Cluster of 700 TPD capacities has been commissioned on 16.08.2021. Approximate 6.77 MW electricity is being generated in this plant.

Work of Waste to Energy Plant (2100 TPD) in Gurugram-Faridabad is also under implementation.

- **Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)**

Integrated Centralized Waste Processing Approach (Cluster Wise) is being adopted as a long-term approach, with an overall objective to setup regional Waste to Energy, Waste to Compost + RDF processing facilities and Secured Sanitary landfills for scientific disposal of Solid Waste. This approach is more coveted considering the constraints posed by the decentralized approach and its sustainability over long run.

As part of this approach, total 13 Clusters have been formed covering all the 88 ULBs of Haryana. Also, under this approach the projects will be set up on PPP mode and single agency/concessionaire will be responsible for Door to Door Collection, transportation, processing and disposal of Solid Waste for a concession period of 22 years.

Currently 2 Waste to Energy Cluster Projects namely Sonapat-Panipat and Gurugram-Faridabad have been awarded and construction of Sonapat-Panipat Cluster (700 TPD) Waste to Energy project has been commissioned on 16.08.2021. The Environmental Clearance of Gurugram-Faridabad (2300 TPD) Waste to Energy Projects has been granted. The construction of the plant is likely to start soon. Once commissioned these two projects alone will cater to 11 approx. 40% processing of entire waste being generated in the State. . Further, 3 Waste to Compost Cluster Projects namely Karnal-Kaithal-Thanesar (638 TPD), Bhiwani (155 TPD), Sirsa (168 TPD) have been finalized.

Remaining eleven (11) clusters are Open Technology Clusters. The details of 13 clusters are attached at **Annexure-4**.

- **Bioremediation of legacy waste lying at existing dump sites.**

Approximate 101 Lakh Metric Ton of legacy waste was lying at the dumping sites in Municipalities, out of which 50.86 lakh MT (50.17%) of legacy waste has been remediated. The details of the same areas under:-

Status of bioremediation of legacy waste in the Municipalities of State of Haryana

| Sr. No | District | ULB | Quantity of Waste Legacy Waste (MT) | Quantity of Legacy Waste Remediated (MT) |
|--------|---------------|------------------|-------------------------------------|------------------------------------------|
| 1 | AMBALA | AMBALA | 577349 | 530850 |
| 2 | | BARARA | 9800 | |
| 3 | BHIWANI | BAWANI KHERA | 9185 | |
| 4 | | BHIWANI | 314000 | 114000 |
| 5 | | LOHARU | 5109 | 5109 |
| 6 | | SIWANI | 1236 | 1236 |
| 7 | CHARKHI DADRI | CHARKHI DADRI | 56400 | 26400 |
| 8 | FATEHABAD | BHUNA | 17400 | |
| 9 | | FATEHABAD | 90000 | 47000 |
| 10 | | JAKHAL MANDI | 3600 | |
| 11 | | RATIA | 23500 | |
| 12 | | TOHANA | 12700 | |
| 13 | GURGAON | FARRUKHNAGAR | 11857 | 11857 |
| 14 | | GURGAON | 4050000 | 1743564 |
| 15 | | HAILEY MANDI | 300 | |
| 16 | | MANESAR | 156500 | 104289 |
| 17 | | PATAUDI | 10943 | 10943 |
| 18 | SOHNA | 54000 | 50000 | |
| 19 | HISAR | BARWALA | 6050 | |
| 20 | | HANSI | 13000 | |
| 21 | | HISAR | 200000 | 110000 |
| 22 | | NARNAUND | 3350 | |
| 23 | JHAJJAR | UKLANA | 6400 | |
| 24 | | BADLI | 11060 | |
| 25 | | BAHADURGARH | 430000 | 210000 |
| 26 | | BERI | 10000 | 3991 |
| 27 | JHAJJAR | 30000 | 1500 | |
| 28 | JIND | JIND | 288862 | 100000 |
| 29 | | JULANA | 5681 | |
| 30 | | NARWANA | 87561 | |
| 31 | | SAFIDON | 14500 | 14500 |
| 32 | | UCHANA | 2800 | |
| 33 | KAITHAL | CHEEKA | 28000 | 16000 |
| 34 | | KAITHAL | 168000 | 85300 |
| 35 | | KALAYAT | 30000 | 15000 |
| 36 | | PUNDRI | 4100 | |
| 37 | | RAJOUND | 5200 | |
| 38 | SIWAN | 4726 | | |
| 39 | KARNAL | ASSANDH | 22300 | 22300 |
| 40 | | GHARAUNDA | 20236 | 20236 |
| 41 | | INDRI | 3000 | 3000 |
| 42 | | KARNAL | 95022 | 95022 |
| 43 | | NILOKHERI | 11000 | 11000 |
| 44 | | NISSING | 15000 | 15000 |
| 45 | TARAORI | 8766 | 8766 | |
| 46 | KURUKSHETRA | LADWA | 16100 | |
| 47 | | PEHOWA | 10660 | |
| 48 | | SHAHBAD | 743 | |
| 49 | | THANESAR | 800 | |
| 50 | MAHENDRAGARH | ATELI | 4959 | 4500 |
| 51 | | KANINA | 10920 | |
| 52 | | MAHENDRAGARH | 39349 | |
| 53 | | NANGAL CHAUDHARY | 1550 | 1500 |
| 54 | | NARNAUL | 188000 | 185000 |
| 55 | MEWAT | FEROZEPUR JHIRKA | 20000 | |
| 56 | | NUH | 15768 | |
| 57 | | PUNAHANA | 20000 | |
| 58 | Taoru | 35000 | | |
| 59 | PALWAL | HATHIN | 3420 | 3300 |
| 60 | | HODAL | 6000 | |
| 61 | | PALWAL | 21000 | 21000 |
| 62 | PANCHKULA | PANCHKULA | 416788 | 122500 |
| 63 | PANIPAT | PANIPAT | 409200 | 380000 |
| 64 | REWARI | REWARI | 87217 | 62217 |
| 65 | ROHTAK | MAHAM | 13630 | 13400 |
| 66 | | ROHTAK | 800000 | 610000 |

| Sr. No | District | ULB | Quantity of Waste Legacy Waste (MT) | Quantity of Legacy Waste Remediated (MT) |
|--------------|-------------|---------------|-------------------------------------|------------------------------------------|
| 67 | SIRSA | ELLENABAD | 10816 | 8182 |
| 68 | | KALANWALI | 3280 | 3200 |
| 69 | | MANDI DABWALI | 126684 | 30684 |
| 70 | | RANIA | 5200 | 5000 |
| 71 | | SIRSA | 263000 | 44530 |
| 72 | SONIPAT | GANAUR | 45000 | 25000 |
| 73 | | GOHANA | 119000 | 42000 |
| 74 | | KHARKHODA | 24000 | 21000 |
| 75 | | SONIPAT | 300000 | |
| 76 | YAMUNANAGAR | YAMUNANAGAR | 192001 | 126601 |
| Total | | | 10138578 | 5086477 |
| | | | Say 101 Lakh MT | Say 50.86 Lakh MT |

The State Government has approved Rs. 262.67 Crore for bioremediation of legacy waste and out of approved amount Rs. 181.59 Crore has been released.

- **No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)**

Municipal Corporation, Gurugram has established a processing plant of Construction and Demolition waste at Village Basai to treat 300 MT of C&D Waste which has been now increased to 1200 MT of C&D Waste daily and will be further increased to 1500 MT shortly. Two number agencies have also been empanelled to collect and transport the C&D waste from the household's upto the designated locations.

Further. Municipal Corporation. Faridabad has also established 300 TPD C&D Waste Management Plant.

- **Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source**

As per report submitted by ULBD, there are total 1646 wards in MCs of Haryana out of which 1613 wards have been covered with door to door waste collection services. Out of the total wards, source segregation has been initiated in 1179 wards.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology).**

Detail is attached at **Annexure-4**.

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.**

The detail of dumpsites attached at **Annexure-5**.

- **No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers.**

No such data is available at present.

- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers**

The drains of MCs don't fall directly into the rivers. They ultimately join the drains of irrigation and the drains of irrigation fall into the rivers. The MCs are installing the wire mesh in the drains to prevent the solid waste from falling into the drains. At present approximately 387 small drains have been provisioned with wire mesh screens.

Status of ULB wise Management of Solid Waste

| ULB | Total MSW generation in TPD | Total MSW being processed in TPD | Existing MSW facilities | Utilization Capacity of the existing MSW facilities | Proposed MSW Facilities & Completion Timeline |
|-----|-----------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 88 | 5785 | 4158 | <ol style="list-style-type: none"> 1. Municipal Corporation Sonapat (Waste to Energy Plant)- 700 TPD 2. Municipal Corporation, Karnal (Waste to Compost Plant)- Capacity 150 TPD. 3. Municipal Corporation, Rohtak (Waste to Compost Plant)- Capacity 175 TPD. 4. Municipal Council, Sirsa (Waste to Compost Plant)- Capacity 50 TPD. 5. Municipal Corporation Karnal (Bio-methanation Plant)- Capacity 15 TPD 6. IOCL, Faridabad (Bio-methanation Plant)- Capacity 5 TPD 7. Suntan Biogas Plant, Ambala- Capacity 20 TPD 8. Total no. of compost pits for wet waste and horticulture processing - 2800 having the capacity approx. 3180 TPD. 9. Total 86 MRF are established in ULBs having the capacity approx. 2589 TPD | <p>Total Utilization of the existing capacity of the processing facilities: 4010 TPD as mentioned below:</p> <ol style="list-style-type: none"> 1. Municipal Corporation Sonapat (Waste to Energy)- 700 TPD 2. Karnal, (Waste to Compost)- 150 TPD 3. Municipal Corporation Rohtak (Waste to Compost)- 175 TPD 4. Municipal Council Sirsa (Waste to Compost)- 50 TPD 5. Municipal Corporation Karnal (Bio-methanation)- 15 TPD 6. IOCL Faridabad- 5 TPD 7. Suntan Biogas Plant, Ambala- 20 TPD 8. Compost Pits- Approx. 1100 TPD 9. MRF- 1795 TPD | Integrated Solid Waste Management |

VI. Bio-medical Waste Management:

- **Total Bio-medical generation:**

As per annual report 2022-23, approx. 20.59 TPD Bio Medical Waste is generated in State of Haryana

- **No. of Hospitals and Health Care Facilities:**

As per annual report 2022-23, there are 7107 no. of HCFs in State of Haryana

- **Status of Treatment Facility/ CBMWTF:**

There are 11 no. of authorized CBWTFs/Treatment facilities in State of Haryana

VII. Hazardous Waste Management:

- **Total Hazardous Waste generation:** 200297.678 tons

- **No. of Industries generating Hazardous waste-** 5754

- **Treatment Capacity of all TSDFs**

Incinerator (Kcal) - 2.5 Million
 Landfill (MTA) - 30 years

• **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated**

| Hazardous waste reaching TFDFs | | Hazardous waste treated | |
|--------------------------------|--------------|-------------------------|--------------|
| Landfill | -21879.4 MT | Landfill | -21879.4 MT |
| Incineration | - 17681.2 MT | Quantity Incinerated | - 17681.2 MT |

Details of on-going or proposed TSDF- Details given at **Annexure-6**

VIII. Plastic Waste Management:

• **Total Plastic Waste generation:**

As per annual report 2022-23, approx. 129866.74 TPA plastic waste is generated in the State.

• **Treatment/ Measures adopted for reduction or management of plastic waste:**

At present plastic waste is being channelized through MRF centers established in MCs.

IX. Details of Alternate Treatment Technology being adopted by the State/UT

The Nodal Department for execution of Bio/ Phyto- Remediation identified. The SPV also asked the Department to submit the locations where the phyto remediation/bio-remediation wherever feasible.

ULB Department has started bio/ phyto remediation works in the drains in Municipal Corporation, Yamuna Nagar – Jagadhri, as a pilot project, which will be replicated at other places. Municipal Corporation of Sonapat has also invited tenders for the bio/ phyto remediation of drains. Similarly, Municipal Corporations of Gurugram and Faridabad are in the process of preparing the proposals for bio/ phyto remediation. Municipal Corporation of Panipat has already floated the tenders for the process in their jurisdiction. GMDA has also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB. PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment:

There are locations where the untreated/partially treated effluent is joining the main drains discharging into rivers. The action plans for control of pollution at these points is required to be submitted by Concerned Departments.

River Ghaggar

| Deptt. | Total locations | Status of Action Plan | | | |
|--------|-----------------|-----------------------|---------------------------|--------------------------------------|-------------------------------------|
| | | Submitted action plan | Not submitted Action plan | Not submitted Time Bound action plan | Action plan not required/comp leted |
| PHED | 51 | 17 | 4 | 7 | 23 |
| D&P | 137 | 58 | 0 | 0 | 79 |
| HSVP | 12 | 4 | 0 | 0 | 8 |

| Deptt. | Total locations | Status of Action Plan | | | |
|---------------|-----------------|-----------------------|---------------------------|--------------------------------------|-------------------------------------|
| | | Submitted action plan | Not submitted Action plan | Not submitted Time Bound action plan | Action plan not required/comp leted |
| ULBD | 43 | 5 | 0 | 6 | 32 |
| HSI IDC | 2 | 0 | 0 | 0 | 2 |
| HP State | 1 | 0 | 1 | 0 | 0 |
| HSPCB | 5 | 0 | 0 | 0 | 5 |
| Forest Deptt. | 1 | 0 | 1 | 0 | 0 |
| UT-CHD | 2 | 0 | 2 | 0 | 0 |
| Total | 254 | 84 | 8 | 13 | 149 |

River Yamuna

| Deptt. | Total locations | Status of Action Plan | | | |
|------------------|-----------------|-----------------------|---------------------------|--------------------------|-------------------------------------|
| | | Submitted action plan | Not submitted Action plan | Not submitted time bound | Action plan not required/ completed |
| PHED | 14 | 0 | 0 | 0 | 14 |
| D&P | 23 | 1 | 0 | 0 | 22 |
| HSVP | 3 | 0 | 0 | 0 | 3 |
| ULBD | 62 | 45 | 0 | 0 | 17 |
| HSPCB | 17 | 0 | 7 | 0 | 10 |
| HSI IDC | 2 | 0 | 0 | 0 | 2 |
| Industry Deptt. | 1 | 0 | 1 | 0 | 0 |
| Haryana Roadways | 3 | 0 | 0 | 1 | 2 |
| Total | 125 | 46 | 8 | 1 | 70 |

XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT:

Member Secretary, Haryana State Pollution Control Board.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

Regular CS meetings are being held to review the progress of Yamuna and Ghaggar Action Plans. 17 Meetings held so far on 29.08.2019, 20.12.2019, 05.02.2020, 13.03.2020, 22.06.2020 17.07.2020, 06.08.2020, 08.09.2020, 08.12.2020, 12.02.2021, 02.08.2021, 28.03.2022, 06.05.2022, 27.07.2022, 20.10.2022, 27.03.2023 and 10.04.2023, 23.04.2024 and 20.05.2024

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.

Ghaggar

(a) Water quality and flow of major drains joining river Ghaggar

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F. Coli |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|------------|---------|
| 1 | Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab. (PKL-RDQ-023) | 30.642798/ 76.874462 | 8.50 | 7.8 | 100 |
| 2 | MDC drain before entering into Punjab area near Raipur Kalan Temple carrying effluent of colonies of Haryana, Chandigarh, U.T (PKL-RDQ-033) | 30.680110/ 76.821592 | 25.00 | 110 | 4600 |

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F. Coli |
|---------|------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|------------|---------|
| 3 | Singh Nallah choe before entering Punjab near Mamta Enclave, Near Slaughter house Panchkula (PKL-RDQ-038) | 30.664066/ 76.843880 | 30.00 | 35 | 1700 |
| 4 | Ambala Drain near Motor Market, Ambala City (AMB-RDQ-008) | 30.388012/ 76.790604 | 31.53 | 60 | 3100 |
| 5 | Ghail drain at Samaspur, Ambala (AMB-RDQ-011) | 30.333736/ 76.667902 | 23.87 | 98 | 4300 |
| 6 | Markanda River Bhagal Bridge. (Longitude 76026.218' and Latitude 30005.025') (KTL-RDQ-002) | 76026.218/ 30005.025 | 44.00 | 20 | 45000 |
| 7 | Cheeka Drain/Old Ghaggar Creek (KTL-RDQ-008) | 76.232452/ 30.064188 | 6.50 | 20 | 36000 |
| 8 | Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76011.249' and Latitude 29052.976') (KTL-RDQ-011) | 76011.249 / 29052.976 | 0.00 | 18 | 42000 |
| 9 | Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude 76006.831' and Latitude 29050.731') KTL-RDQ-015 | 76006.831 / 29050.731 | 31.25 | 20 | 42000 |
| 10 | Discharge of Ratia Town through drain (Longitude 29.711468 and Latitude 75.551894) HSR-RDQ-006 | 29.711468 / 75.551894 | 4.00 | 8 | 3500 |
| 11 | Discharge of Jakhal (29.786392, 75.826893) (HSR-RDQ-002) | 29.787241/ 75.827388 | 3.00 | 7 | 820 |
| 12 | Discharge of 7.5 MLD STP PHED Ellenabad, Sirsa into River Ghaggar (HSR-RDQ-018) | 29.489644/ 74.741455 | 0.05 | 19 | 45000 |

(b) Water quality and flow of river Ghaggar

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) | BOD (mg/l) | F. Coli |
|---------|----------------------------------------------------------------------------------------|-------------------------|---------------|------------|---------|
| 1 | Ghaggar River at Haryana Himachal Border (Ghaggar River at Morni) (PKL-RDQ-014) | 30.742182/ 76.742182 | 95.00 | 6.2 | 1200 |
| 2 | Ghaggar before meeting Kaushalya River (Burajkottian Zone, Panchkula) (PKL-RDQ-015) | 30.639975/ 76.872849 | 55.50 | 8.8 | 1300 |
| 3 | Ghaggar River D/S after meeting Kaushalya River (NWMP-Station Code-1885) (PKL-RDQ-017) | 30.740980/ 76.909826 | 50.00 | 3.6 | 100 |
| 4 | U/s of Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, | 30.613894/ 76.836044 | 78.00 | 6.0 | 200 |

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) | BOD (mg/l) | F. Coli |
|---------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|------------|---------|
| | Punjab. (PKL-RDQ-022) | | | | |
| 5 | D/S of Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-024) | 30.642798/ 76.874462 | 76.50 | 24 | 600 |
| 6 | Ghaggar River before meeting Ambala Drain (AMB-RDQ-007) | 30.402314/ 76.743059 | 122.50 | 9 | 100 |
| 7 | Ghaggar River after meeting Ambala Drain (AMB-RDQ-009) | 30.398033/ 30.398033 | 154.30 | 16 | 2700 |
| 8 | Ghaggar River before mixing Ghail drain at Samaspur (Ambala) (AMB-RDQ-010) | 29.71135/ 75.552123 | 154.30 | 11 | 100 |
| 9 | Ghaggar River after mixing Ghail Drain at Samaspur (Ambala) (AMB-RDQ-012) | 30.332689/ 76.668607 | 177.90 | 22 | 400 |
| 10 | Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76025.974' and Latitude 30007.695') (KTL-RDQ-001) | 76025.974/ 30007.695 | 21.00 | 20 | 45000 |
| 11 | Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76022.571' and Latitude 30005.410') (KTL-RDQ-003) | 76022.571 / 30005.410 | 61.00 | 21 | 42000 |
| 12 | Ghaggar River before mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-007) | 76.232452/ 30.064188 | 0.00 | 18 | 51000 |
| 13 | Ghaggar River after mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-008) | 76.232452 / 30.064188 | 66.56 | 20 | 36000 |
| 14 | Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76010.173' and Latitude 29054.305') (KTL-RDQ-010) | 76010.173 / 29054.305' | 0.00 | 22 | 36000 |
| 15 | Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76010.135' and Latitude 29053.548') (KTL-RDQ-012) | 76010.135 / 29053.548 | 0.00 | 21 | 38000 |
| 16 | River Ghaggar before mixing Kaithal drain at Khanauri. (Longitude 75000.061' and Latitude 29050.754') (KTL-RDQ-013) | 75000.061 / 29050.754 | 0.00 | 22 | 38000 |
| 17 | River Ghaggar after mixing Kaithal Drain into River Ghaggar. (Longitude 76006.663' and Latitude 29050.723') (KTL-RDQ-018) | 76006.663 / 29050.723 | 31.25 | 21 | 48000 |

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) | BOD (mg/l) | F. Coli |
|---------|----------------------------------------------------------------------------------------|-------------------------|---------------|------------|---------|
| 18 | River Ghaggar before meeting discharge of Ratia. (HSR-RDQ-005) | 29.693333/ 75.580474 | 223.00 | 20 | 7600 |
| 19 | River Ghaggar after meeting of discharge of Ratia. (HSR-RDQ-007) | 29.716549/ 75.549705 | 227.00 | 17 | 6800 |
| 20 | River Ghaggar before meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-001) | 29.786392/ 75.826893 | 238.00 | 23 | 7600 |
| 21 | River Ghaggar after meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-003) | 29.786392/ 75.826893 | 241.00 | 19 | 3500 |
| 22 | River Ghaggar before discharge of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-017) | 29.457123/ 74.677554 | 0.00 | 20 | 39000 |
| 23 | River Ghaggar after discharged of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-019) | 29.489821/ 74.746049 | 2.00 | 20 | 52000 |

(C) Ground water quality status in the vicinity of river Ghaggar.

Ground water quality is being monitored at 80 locations in the catchment of river Ghaggar by HSPCB. Out of total 80 locations, ground water is found fit for drinking all 80 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed.

| Sr. No. | Region | No. of points monitored | Complying | Non-complying |
|--------------|-------------|-------------------------|-----------|---------------|
| 1 | Panchkula | 7 | 7 | 0 |
| 2 | Ambala | 7 | 7 | 0 |
| 3 | Jind | 2 | 2 | 0 |
| 4 | Kaithal | 15 | 15 | 0 |
| 5 | Kurukshetra | 3 | 3 | 0 |
| 6 | Hisar | 5 | 5 | 0 |
| 7 | Sirsa | 23 | 23 | 0 |
| 8 | Fatehabad | 18 | 18 | 0 |
| Total | | 80 | 80 | 0 |

River Yamuna

(a) Water Quality and flow of drains joining river Yamuna

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F. Coli |
|---------|------------------------------------------------------------------------------------|-------------------------|---------------|------------|---------|
| 1. | Dhanaura Escape before meeting River Yamuna, Village Jarauli, Karnal (KRN-RDQ-002) | 29.73336/ 77.12788 | 103 | 78 | 2100 |
| 2. | Drain No.2 before meeting river Yamuna at vill. Khojkipur (PNP-RDQ-008) | 29.280218/ 77.120858 | 366 | 48 | 4000 |

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F. Coli |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------|---------------|---------|
| 3. | Drain no. 6 before entry in Delhi (SNP-RDQ-001) | 28.890391/ 77.109702 | 16 | 114 | 4800 |
| 4. | Entry point of Mungeshpur drain in Delhi Territory, back side of Sainik School, Bypass, Bahadurgarh, Distt. Jhajjar (BDH-RDQ-001) | 28.669716/ 76.949466 | 735 | 20 | 48000 |
| 5. | Entry point of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt. Jhajjar (BDH-RDQ-002) | 28.650667/ 76.937005 | 612 | 21 | 52000 |
| 6. | Entry point of Drain No. 8 in Delhi Territory, Near Dhansa Store of Executive Engineer, Irrigation & Flood Control Deptt. of Delhi Govt., VPO-Lohat, Distt. Jhajjar (BDH-RDQ-003) | 28.535362/ 76.869600 | | 21 | 21000 |
| 7. | Leg I Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-002) | 28.531019/ 77.001858 | 1 | 45 | 3300 |
| 8. | Leg II Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-005) | 28.508322/ 76.975010 | 30 | 75 | 6300 |
| 9. | Leg III (Badshpur) Drain before meeting Najafgarh Drain Gurgaon (GRN-RDQ-008) | 28.484470/ 76.953334 | 216 | 58 | 4400 |
| 10. | Budhiya Nala before meeting river Yamuna, at Vill. Manjhawali, Faridabad (FBD-RDQ-010) | 28.382511/ 77.481014 | 2244 | 108 | 5800 |
| 11. | Gaunchi Drain before River Yamuna, Palwal (PWL-RDQ-005) | 27.914783/ 77.517323 | 2261 | 17 | 1700 |

(b) Water Quality and flow of river Yamuna

| Sr. No. | Drains meeting with river Yamuna | latitude/ Longitude | Flow (in Cusecs) | BOD (mg/l) | F.Coli |
|---------|-----------------------------------------------------------------------------------------|-------------------------|---------------------|---------------|--------|
| 1 | River Yamuna before meeting Maskara Nallah, upstream, Kalanaur (YMN-RDQ-001) | 29.726992/ 77.13079 | 352 | 1.2 | 100 |
| 2 | River Yamuna after meeting Maskara Nallah, Down Stream, Kalanaur (YMN-RDQ-003) | 30.068276/ 77.348271 | 402 | 2.6 | 200 |
| 3 | River Yamuna before meeting Dhanaura Escape upstream, Karnal (KRN-RDQ-001) | 29.73327/ 77.1277 | 977 | 4.6 | 200 |
| 4 | River Yamuna after meeting Dhanaura Escape downstream, Karnal (KRN-RDQ-003) | 29.72592 / 77.13278 | 1009 | 10 | 400 |
| 5 | River Yamuna before meeting the discharge of Drain No. 2 at Vill. Sanjoli (PNP-RDQ-007) | | 914 | 4.6 | 100 |

| Sr. No. | Drains meeting with river Yamuna | latitude/ Longitude | Flow (in Cusecs) | BOD (mg/l) | F.Coli |
|---------|--------------------------------------------------------------------------------------------------|-------------------------|------------------|------------|--------|
| 6 | River Yamuna after meeting the discharge of Drain No. 2 near Vill. Khojkipur. (PNP-RDQ-009) | 28.86158/ 77.206427 | 1064 | 3.8 | 200 |
| 7 | River Yamuna before meeting Diversion Drain no. 8 (SNP-RDQ-002) | 28.884931/ 77.147185 | 550 | 9 | 600 |
| 8 | River Yamuna after meeting Diversion Drain No. 8 at Palla (SNP-RDQ-004) | 28.379079/ 77.486982 | 660 | 6.8 | 200 |
| 9 | Yamuna River upstream before Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-009) | 28.384703/ 77.489578 | 9121 | 70 | 5800 |
| 10 | Yamuna River downstream after meeting Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-011) | 28.372917/ 77.487966 | 9171 | 76 | 6300 |
| 11 | River Yamuna D/S before Gaunchi Drain (PWL-RDQ-004) | 27.914783/ 77.517323 | 9131 | 21 | 2500 |
| 12 | River Yamuna D/S after Gaunchi Drain (PWL-RDQ-006) | 27.909736/ 77.521114 | 9240 | 28 | 2400 |

(C) Ground water quality status in the vicinity of river Yamuna.

Ground water quality is being monitored at 81 locations in the catchment of river Yamuna by HSPCB. Out of total 81 locations, ground water is found fit for drinking at 66 locations and non complying at 15 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

| Sr. No. | Region | No. of Points monitored | Complying | Non-Complying |
|---------|----------------|-------------------------|-----------|---------------|
| 1 | Panipat | 9 | 9 | 0 |
| 2 | Faridabad | 8 | 8 | 0 |
| 3 | Ballabgarh | 6 | 1 | 5 |
| 4 | Palwal | 12 | 6 | 6 |
| 5 | Gurugram South | 10 | 10 | 0 |
| 6 | Gurugram North | 8 | 8 | 0 |
| 7 | Karnal | 5 | 5 | 0 |
| 8 | Yamuna Nagar | 3 | 3 | 0 |
| 9 | Nuh | 2 | 0 | 2 |
| 10 | Sonepat | 11 | 11 | 0 |
| 11 | Bahadurgarh | 7 | 5 | 2 |
| | Total | 81 | 66 | 15 |

XIV. Ground water regulation:

The industries are being persuaded to obtain permission from CGWA/HWRA for extraction of ground water.

XV. Good irrigation practices being adopted by the State:

The major demand for river water is for Irrigation purposes and accordingly the State of Haryana has taken initiatives for water efficient farming practices which are given as under:-

(a) Project of Recycle and Reuse of Treated Wastewater for Irrigation Purpose

Phase-1

Latest status of 18 No. STPs taken up in phase-1 of "Project of re-use of Treated Waste Water for irrigation purpose through Micro-Irrigation"

| Sr. No. | Name of District | Name of STP | Capacity of STP (In MLD) | Status of Tender | Actual/ Likely date of start work | Actual/ Likely date of Completion | Status Yet to Start of Work |
|---------|------------------|----------------------|--------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------|
| 1. | Bhiwani | Loharu | 3.5 | Approved | 15.06.22 | 31.03.24 | 37% |
| 2. | Bhiwani | Siwani | 4 | Approved | 10.05.22 | 28.02.24 | 99% |
| 3. | Gurugram | Behrampur | 50 | Approved | 28.02.23 | 31.12.24 | 45% |
| 4. | Mohindergarh | Narnaul | 7.5 | Approved | 23.05.22 | 31.03.24 | 88% |
| 5. | Mohindergarh | Narnaul | 6. | Approved | 23.05.22 | 31.03.24 | 88% |
| 6. | Mohindergarh | Narnaul | 5.5 | Approved | 23.05.22 | 31.03.24 | 88% |
| 7. | Rohtak | Kanheli | 10 | Approved | 10.06.22 | 30.06.25 | 80% |
| 8. | Karnal | Karnal | 50 | Approved | 10.06.22 | 30.06.25 | 42% |
| 9. | Karnal | Haikat Nagar | 10 | Approved | 19.06.22 | 30.09.24 | 69% |
| 10. | Karnal | Shiv Colony | 8 | Approved | 19.06.22 | 30.09.24 | 69% |
| 11. | Ambala | Barara | 4 | Approved | 20.04.23 | 31.12.24 | 15% |
| 12. | Amblala | Naraingarh | 3 | Approved | 20.04.23 | 31.12.24 | 15% |
| 13. | Hisar | Narnaund | 4 | Approved | 16.02.23 | 30.04.24 | 5% |
| 14. | Fatehabad | Fatehabad | 10 | Approved | 22.03.22 | 31.03.24 | 40% |
| 15. | Fatehabad | Tohana | 10 | Approved | 02.02.22 | 28.02.24 | 99% |
| 16. | Fatehabad | Jakhal | 3 | Approved | 11.02.22 | 28.02.24 | 99% |
| 17. | Fatehabad | Ratia | 6.5 | Approved | 02.02.22 | 28.02.24 | 99% |
| 18. | Panipat | Jattal Road, Panipat | 30 | Approved | 01.03.23 | 30.06.25 | 27% |
| | Sub-Total | | 225 | | | | |
| 1. | Jhajjar | Kosli Road | 5.5 | Approved | 15.04.22 | 28.02.24 | 100% |
| 2. | Jhajjar | Sampla Road | 5 | Approved | 15.04.22 | 28.02.24 | 100% |
| 3. | Yamuna Nagar | Radaur | 3.5 | Approved | 15.04.22 | 28.02.24 | 100% |
| | Sub-Total | | 14 | | | | |
| 1. | Jind | Jind | 15 | Not Approved | | | Yet to Start |
| 2. | Hisar | Hansi | 7.5 | Not Approved | | | Yet to Start |
| 3. | Hisar | Rishi Nagar | 40 | Not | | | Yet to |

| Sr. No. | Name of District | Name of STP | Capacity of STP (In MLD) | Status of Tender | Actual/ Likely date of start work | Actual/ Likely date of Completion | Status Yet to Start of Work |
|---------|------------------|-------------|--------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------|
| | | | | Approved | | | Start |
| 4. | Kaithal | Gulha | 10 | Not Approved | | | Yet to Start |
| 5. | Kaithal | Kaithal | 10 | Not Approved | | | Yet to Start |
| 6. | Panchkula | Pinjore | 5 | Not Approved | | | Yet to Start |
| | Sub-Total | | 87.5 | | | | |
| | TOTAL | | 326.5 | | | | |

Phase-2

Latest status of 57 No. STPs taken up in phase-2 of "Project of re-use of Treated Waste Water for irrigation purpose through Micro-Irrigation"

| Sr. No. | Name of Town | Location | Technology Based on | Capacity (MLD) |
|----------------------------|--------------------------|---------------------------------|---------------------|----------------|
| GHAGGAR ACTION PLAN | | | | |
| 1 | Ambala City | Nayagaon-I | MBBR | 3.25 |
| 2 | Ambala City | Nayagaon-II | MBBR | 3 |
| 3 | Ambala City | Motti Nagar-I | MBBR | 5 |
| 4 | Ambala City | Motti Nagar-II | MBBR | 5 |
| 5 | Ambala City | Model Town | MBBR | 6 |
| 6 | Ambala City | Baldev Nagar-I | MBBR | 5 |
| 7 | Ambala City | Baldev Nagar-II | MBBR | 3.25 |
| 8 | Ambala City | Saddopur | MBBR+TT | 0.25 |
| 9 | Kalka | Bangala Town | MBBR+TT | 0.25 |
| 10 | Hisar | Gangwa Rajgarh Road Hisar | SBR | 15 |
| 11 | Hisar | Kaimri Road Hisar | SBR | 4 |
| 12 | Jind | Narwana Road Jind | MBBR | 5 |
| 13 | Jind | Old Hansi Road | SBR | 7 |
| 14 | Narwana | Jind Patiala Road | MBBR | 3.5 |
| 15 | Narwana | Behind FCI Godown, Dharodi Road | MBBR | 3.75 |
| 16 | Narwana | Narwana | MBBR | 2 |
| 17 | Uchana | Near Railway Line Uchana Road | Oxidation Pond | 2 |
| 18 | Uchana | Bhangra Road Uchana | MBBR | 1.5 |
| 19 | Safidon | Safidon | SBR | 9 |
| 20 | Kaithal | Manas Road Kaithal | SBR | 10 |
| 21 | Kaithal | Manas Road Kaithal | MBBR+TT | 10 |
| 22 | Kalayath | Near Nirmal Public School | MBBR+TT | 5 |
| 23 | Kurukshetra/ Thanesar | Narkatari Road | SBR | 25 |
| 24 | Pundri | Pai Road Pundari | MBBR+TT | 3.5 |
| 25 | Shahbad | Chappra Road, Shahbad | SBR | 11.5 |
| 26 | Ellenabad | Mamera Road | MBBR+TT | 7.5 |
| 27 | Fatehabad | Fatehabad | SBR | 5 |
| 28 | Rania | Jeevan Nagar Road, Rania | SBR | 6 |
| 29 | Sirsa | Kelnia | SBR | 20 |
| 30 | Kalanwali | Desumalkana Road | SBR | 9.5 |
| 31 | Mandi Dabwali | Chautala Road | SBR | 16.5 |
| 32 | Bhuna | Kullana Road | SBR | 8 |
| 33 | Yamuna Nagar | Badhimajra | SBR | 10 |
| 34 | Yamuna Nagar | Radaur Road | SBR | 25 |

| Sr. No. | Name of Town | Location | Technology Based on | Capacity (MLD) |
|---------|---------------------------------|-------------------------------|-------------------------------|----------------|
| 35 | Yamuna Nagar | Badhimajra | SBR | 10 |
| 36 | Yamuna Nagar | Radaur Road | SBR | 20 |
| 37 | Jagadhari | Parwaloo | SBR | 24 |
| 38 | Chhacharauli (De-Notified Town) | Chhacharauli | MBBR+TT | 3 |
| 39 | Ladwa | Braichpur Road, Ladwa | MBBR+TT | 7 |
| 40 | Bahadurgarh | Najafgarh Road Near Bye Pass | SBR | 36 |
| 41 | Beri | Dubaldhan Road | Oxidation Pond | 2 |
| 42 | Gharaunda | Near BRM College | SBR | 7 |
| 43 | Indri | Near Grain Market | SBR | 4 |
| 44 | Nilokheri | Near Railway Station | MBBR+TT | 6 |
| 45 | Nissing | Kaithal Road | MBBR+TT | 4 |
| 46 | Panipat | Jattal Road | UASBWith Extended aeration | 10 |
| 47 | Panipat | Siwah | UASBWith Extended aeration | 35 |
| 48 | Panipat | Siwah | SBR | 25 |
| 49 | Taraori | Nadn Road | MBBR+TT | 5.5 |
| 50 | Hodal | Hodal | MBBR+TT | 9 |
| 51 | Palwal | Jodhpur Road Palwal | Oxidation Pond | 9 |
| 52 | Kalanaur | Jindran Road Kalanaur | MBBR | 3.5 |
| 53 | Meham | Bharan Road Meham | MBBR | 5 |
| 54 | Rohtak | Singhpura Road | MBBR | 10 |
| 55 | Rohtak | Singhpura Road | SBR | 14 |
| 56 | Rohtak | PGIMS Rohtal | SBR | 19 |
| 57 | Sampla | Sampla Kharkhoda By Pass Road | MBBR | 4 |

(b) Installation of community based solar/grid powered mirco-irrigation infrastructure in existing canal commands

Six communities based solar/grid powered mirco-irrigation facilities have been installed for Irrigation of 768 hectare land.

In order to implement project of Micro Irrigation (MI) speedily, Government has decided to adopt bottom up approach i.e. 100% consent of stakeholders (farmers) for adoption of MI system shall be taken before execution of the project. The farmers or group of farmers who come forward with the chak of minimum 25 acres to adopt micro irrigation in their fields and also give consent to provide land free of cost for construction of tank for storage of water as per requirement of the chak for micro irrigation activity, Government shall provide all infrastructures like: laying of pipelines, construction of storage tanks, solar pumps etc free of cost & 95% subsidy shall be provided to on-farm drip and sprinkler micro irrigation components. The web portal for online application of farmers has also been launched.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

All the construction activities are banned on river Yamuna/Ghaggar Flood Plains and no encroachment on river Yamuna is allowed as per section 45 of Haryana Canal and Drainage Act, 1974. However, if any encroachment exists on river Yamuna/Ghaggar is immediately removed in accordance of

this Act.

**XVII. Maintaining minimum e-flow of river:
River Ghaggar**

It is brought out that Ghaggar River is not a perennial river and discharge varies from zero to maximum during flood seasons. Around 15-20% of the lowest possible discharge in the lean season is required for maintaining E- flow. In our case the discharge varies from zero to maximum so maintaining E-flow is not possible. However, the monthly flow of all the major drains joining river Ghaggar is being measured regularly on monthly basis.

River Yamuna

It has been reported by the Irrigation and Water Resources Department, Haryana that as per MoU dated 12.05.1994 signed among the States of UP, Haryana, Rajasthan, Himachal Pradesh & NCT of Delhi, a minimum discharge of 352 cusec water is released in Yamuna river from Hathnikund barrage at lean period also to maintain the E-flow of river which was in accordance with the guidelines of Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India in compliance of the order of Hon'ble NGT dated 11.06.2015. However, in case excess discharge is received at HKB (in monsoon seasons) in comparison to capacity of channel, then this excess discharge is released into river Yamuna through Somb Nadi and the indented supply is released in the channel.

**XVIII. Plantation activities along the rivers:
River Ghaggar**

Urban Estate Wise Plantation Done in HSVP Area

| Sr. No. | Name of U/E | Plantation done in the Year 2018-19 | Plantation Done in Year 2019-20 | Plantation Done in Year 2020-21 | Plantation Done in Year 2021-22 | Plantation Done in Year 2022-23 |
|---------|--------------|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 1 | Panchkula | 5000 | 7820 | 3993 | 13291 | 3730 |
| 2 | Ambala | 1500 | 3626 | 3344 | 2691 | 670 |
| 3 | Pehowa | 0 | 0 | 0 | 0 | 0 |
| 4 | Naraingarh | 0 | 0 | 0 | 0 | 0 |
| 5 | Kurukshetra | 2000 | 3472 | 1870 | 2400 | 3100 |
| 6 | MTS Gulha | 0 | 0 | 0 | 0 | 0 |
| 7 | MTS Pundri | 0 | 0 | 0 | 0 | 0 |
| 8 | Kaithal | 1000 | 3160 | 1880 | 2950 | 1763 |
| | Total | 9500 | 18078 | 11087 | 21332 | 8263 |

Plantation done in catchment of River Ghaggar by Forest Department in 2022-23

Forest Department has selected around 87 villages in the catchment areas of river Ghaggar and has proposed to plant around 3 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

| Sr. No. | Name of District | No. of village | No. of plants to be planted | No. of plants planted |
|--------------|------------------|----------------|-----------------------------|-----------------------|
| 1 | Panchkula | 13 | 79472 | 79472 |
| 2 | Ambala | 0 | 0 | 0 |
| 3 | Kaithal | 2 | 7700 | 7700 |
| 4 | Fatehabad | 26 | 186280 | 186280 |
| 5 | Sirsa | 46 | 66696 | 66696 |
| Total | | 87 | 340148 | 340148 |

River Yamuna

Urban Estate Wise Plantation Done in HSVP Area

| Sr. No. | Name of U/E | Plantation Done in Year 2018-19 | Plantation Done in Year 2019-20 | Plantation Done in Year 2020-21 | Plantation Done in Year 2021-22 | Plantation Done in Year 2022-23 |
|--------------|----------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 1 | Jagadhri / Yamunagar | 500 | 1178 | 1347 | 6531 | 6650 |
| 2 | Shahabad | 0 | 0 | 0 | 0 | 0 |
| 3 | Karnal | 5000 | 2810 | 4900 | 9500 | 2505 |
| 4 | Faridabad | 14300 | 22490 | 14900 | 3950 | 36500 |
| 5 | Palwal | 100 | 300 | 360 | 180 | 900 |
| 6 | Rojka Meo | 500 | 100 | 64 | 105 | 600 |
| Total | | 20400 | 26878 | 21571 | 20266 | 47155 |

Plantation done in catchment of river Yamuna by Forest Department in 2022-23.

Forest Department has selected around 65 villages in the catchment areas of river Yamuna and has proposed to plant around 3.5 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

| Sr. No. | Name of District | No. of village | No. of plants to be planted | No. of plants planted |
|--------------|------------------|----------------|-----------------------------|-----------------------|
| 1 | Yamuna Nagar | 9 | 110253 | 110253 |
| 2 | Karnal | 18 | 82420 | 82420 |
| 3 | Panipat | 15 | 67327 | 67327 |
| 4 | Sonepat | 8 | 21555 | 21555 |
| 5 | Faridabad | 12 | 67458 | 67458 |
| 6 | Palwal | 3 | 3978 | 3978 |
| Total | | 65 | 352991 | 352991 |

XIX. Development of biodiversity park:

River Ghaggar

| District | Name | Areas in Acre. |
|-----------|-------------------------------------------|----------------|
| Panchkula | i) World Herbal Forest, Morni | 12500 |
| | ii) Kapoor Vatika at Mallah | 25 |
| | iii) Thapli Herbal Park at Village Thapli | 10 |
| | iv) Tikka-Tal Herbal Park | 20 |

| District | Name | Areas in Acre. |
|--------------|-------------------------------------------------|----------------|
| Fatehabad | i) Mulethi Vatika at Gilakhera | 14 |
| | ii) Er. Kanwar Sain Gupta Herbal Park at Tohana | 25 |
| Sirsa | i) Bahera Vatika at Village Fulkan Village | 17 |
| Total | | 12611 |

River Yamuna

| District | Names | Area in Acre |
|--------------|---------------------------------------------------|--------------|
| Yamuna Nagar | i) Rudraksh Vatika at village Chuharpur | 184 |
| | ii) Adi Badri Herbal Park | 10 |
| Karnal | i) Ashok Vatika at Gharaunda | 5 |
| | ii) Indri Herbal Park | 10 |
| Panipat | i) Bilva Vatika at Pati Kalyana Village | 14 |
| Sonipat | ii) Amaltas Vatika Pati Kalyana Village | 8 |
| | ii) Khanpur Kalan Herbal Park | 12 |
| Faridabad | i) Ratanjot Vatika at Gurugram Canal at Faridabad | 1.2 |
| Palwal | | 0 |
| Total | | 244.2 |

XX. Reuse of Treated Water:

The State is in the process to set up system to reuse the treated sewage. Details are given in point **XV (a)**.

XXI. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

Both Ghaggar and Yamuna river stretches.

XXII. Status of Preparation of Action Plan by the 13 Coastal States:

NA

XXIII. Regulation of Mining Activities in the State/UT:

Action taken report in compliance with the Environment & Monitoring Guidelines for Sand Mining Policy, 2020.

| District | Vehicle seized in illegal mining/illegal transportation of mineral | Vehicle released | Penalty imposed | Complaint lodged against illegal minors | FIR lodged against illegal minors |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------|-----------------|-----------------------------------------|-----------------------------------|
| Panchkula, Ambala, Yamuna Nagar, Kurukshetra/Kaithal, Panipat/Karnal, Sonapat, Faridabad/Palwal | 88 | 21 | 6163630 | 44 | 44 |

| Name of District | Details of regulation of mining activities | Violation identified | Action taken | Remarks |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|----------------------------|
| PKL | 1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges installed at every lease. 3. CCTV installed at entry and exit point. | Nil | Nil | Mining activities running. |

| Name of District | Details of regulation of mining activities | Violation identified | Action taken | Remarks |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff. | | | |
| Ambala | 1. Regulation checking for day and night as well as surprised checking. 2. Mineral transportation with e-rawana 3. MDL is mandatory for sale and purchase of mineral by screening plant. | Yes | Fine imposed or FIR lodged against persons involved in illegal mining/transportation of illegal mineral. | Mining is closed since 01.07.2020 but some periodic cases of illegal mining by local villagers were also noticed & found and action has been taken against them, by this office. |
| Yamuna Nagar | It is informed that the mining operations are suspended by the mining blocks (river bed) from 15.07.2022 due to rainy season in the District Yamuna Nagar. Details of activities are as under:- 1. Weighbridges are installed 2. Dispatch of mineral in the vehicles with e-Rawaana. 3. Regular checking done by the field staff. | Nil | Nil | Nil |
| KKR/KTL | Nil | Nil | Nil | Nil |
| PNP/KNL | Nil | Nil | Nil | No mining operation running in Districts Panipat and Karnal at present. |
| SNP | 1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges installed at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff. | Some boundary pillars are not installed properly at M/s Yodha Mines & Mineral, Jainpur-2 sand unit and M/s Zelkova Buildcon Asadpur sand unit, Sonapat | Show cause notice issued to mines regarding installation of boundary pillars. | Nil |
| Faridabad/Palwal | Nil | Nil | Notice issue in case of illegal excavation or ord. clay and deposited royalty+penalty of Rs. 582280/-. | Nil |

XXIV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring in Nov, 2023.

Action by HSPCB

✓ Ghaggar

- No. of industries inspected - 46

▪ Yamuna

- No. of industries inspected - 61

Annexure-1

Status of existing STPs in the catchment of river Ghaggar

| Sr. No. | Name and Region of STPs | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|--------------------|-------------------------------------------------------------------------|--------|---------------------------------|------------------|--------------------------|
| Ambala | | | | | |
| 1 | 3.00 MLD STP Naya Gaon, Unit.I, Ambala City by PHED in January, 2011 | PHED | 3 | 19.07.2024 | Complying |
| 2 | 3.25 MLD STP Naya Gaon, Unit.II Ambala City by PHED in 1.4.2016 | PHED | 3.25 | 19.07.2024 | Complying |
| 3 | 5 MLD Baldev Nagar , Unit.I, Ambala City by PHED 1.12.2012 | PHED | 5 | 08.07.2024 | Non-Complying |
| 4 | 3.25 Baldev Nagar , Unit.II, Ambala City by PHED in 1.4.2016 | PHED | 3.25 | 08.07.2024 | Non-Complying |
| 5 | 5 MLD Moti Nagar, Unit.I, Ambala City by PHED in June 2010 | PHED | 5 | 19.07.2024 | Complying |
| 6 | 5 MLD STP Moti Nagar, Unit.II, Ambala City by PHED Ambala in 1.8.2016 | PHED | 5 | 19.07.2024 | Complying |
| 7 | 6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012 | PHED | 6 | 08.07.2027 | Complying |
| 8 | 3.25 Nasirpur Ambala City by PHED in 31.9.2016 | PHED | 3.25 | 19.07.2024 | Complying |
| 9 | 0.25 MLD Sadopur , Ambala PHED in 31.12.2016 | PHED | 0.25 | 19.07.2024 | Non-Complying |
| 10 | 3.25 MLD Devi Nagar , Ambala City by PHED on 31.5.2013 | PHED | 3.25 | 19.07.2024 | Non-Complying |
| 11 | 3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014 | PHED | 3 | 08.07.2024 | Non-Complying |
| 12 | 2 MLD STP Sec.7 , Urban Estate, Ambala City Ambala by HUDA in 10.9.2015 | HSVP | 2 | 08.07.2024 | Complying |
| 13 | 5 MLD STP Ambala by HSVP 31.03.2021 | HSVP | 5 | 08.07.2024 | Complying |
| 14 | Babyal in 31.03.2023 | ULBD | 10 | No discharge | Complying |
| Kurukshetra | | | | | |
| 15 | 25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019 | PHED | 25 | 10.07.2024 | Complying |
| 16 | 8 MLD STP Model Town, Pehowa Kurukshetra by PHED in May dt. 2015 | PHED | 8 | 05.07.2024 | Non-Complying |
| 17 | 11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016 | PHED | 11.5 | 08.08.2024 | Complying |
| 18 | 15 MLD STP Kurukshetra by HSVP 2020 | HSVP | 15 | 10.07.2024 | Complying |
| Panchkula | | | | | |
| 19 | 4.5 MLD Kalka Panchkula by PHED in 30.3.2015 | PHED | 4.5 | 10.07.2024 | Complying |
| 20 | 0.25 MLD Kalka Panchkula by PHED in 28.5. 2017 | PHED | 0.25 | 11.07.2024 | Complying |
| 21 | 5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015 | PHED | 5 | 10.07.2024 | Complying |
| 22 | 18 MLD STP Panchkula by HUDA in 31.12.2002 | HSVP | 18 | 12.07.2024 | Complying |
| 23 | 39 MLD STP Panchkula by HUDA in Nov. 2011 | HSVP | 39 | 15.07.2024 | Complying |
| 24 | 15 MLD STP Sector- 28, Panchkula by HUDA in 2012 | HSVP | 15 | 23.07.2024 | Complying |
| 25 | Nangal & Alipur in 31.10.2021 | ULBD | 0.5 | 11.07.2024 | Complying |

| Sr. No. | Name and Region of STPs | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|----------------|---------------------------------------------------------------------|--------|---------------------------------|------------------|--------------------------|
| 26 | Kot in 31.10.2021 | ULBD | 0.75 | 11.07.2024 | Complying |
| 27 | Khagesara & Toka 31.10.2021 | ULBD | 0.5 | 11.07.2024 | Complying |
| 28 | Khatoli 31.10.2021 | ULBD | 0.75 | 11.07.2024 | Complying |
| 29 | Billa 31.10.2021 | ULBD | 0.75 | 12.07.2024 | Complying |
| 30 | Sukhdarshanpur 30.09.2021 | ULBD | 0.75 | 11.07.2024 | Complying |
| 31 | Saketri 30.06.2022 | ULBD | 1.5 | 12.07.2024 | Complying |
| 32 | Ramgarh 30.06.2022 | ULBD | 1 | 12.07.2024 | Complying |
| 33 | 9 MLD STP Garrison Engineer, Chandimandir Panchkula in April 2012 | GE | 9 | 23.07.2024 | Complying |
| Jind | | | | | |
| 34 | 15 MLD STP by PHED Jind in Jan, 2009 | PHED | 15 | 17.07.2024 | Complying |
| 35 | 3.5 MLD Patiala Road, Narwana by PHED in Jan , 2011 | PHED | 3.5 | 22.07.2024 | Complying |
| 36 | 3.75 MLD STP Narwana Jind by PHED in Jan , 2011 | PHED | 3.75 | 22.07.2024 | Complying |
| 37 | 02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017) | PHED | 2 | 22.07.2024 | Non-Complying |
| 38 | 3 MLD STP Uchana Jind by PHED in 30.6.2022 | PHED | 3 | 22.07.2024 | Complying |
| 39 | 1.5 MLD Uchana by PHED in 31.5.2013 | PHED | 1.5 | 22.07.2024 | Complying |
| 40 | 5 MLD STP Jind by PHED in 1.4.2016 | PHED | 5 | 17.07.2024 | Complying |
| 41 | 7 MLD STP, Jind by PHED in 30.11.2019 | PHED | 7 | 17.07.2024 | Complying |
| 42 | 9 MLD STP Safidon , Jind by PHED in 31.05.2018 | PHED | 9 | 22.07.2024 | Complying |
| 43 | 10 MLD by HUDA Jind in 27.12.2014 | HSVP | 10 | 17.07.2024 | Complying |
| Kaithal | | | | | |
| 44 | 10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013 | PHED | 10 | 06.08.2024 | Complying |
| 45 | 10 MLD STP , Jind Road Kaithal by PHED in September , 2012 | PHED | 10 | 06.08.2024 | Complying |
| 46 | 10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR) | PHED | 10 | 06.08.2024 | Complying |
| 47 | 10 MLD Manas Road, Kaithal bby PHED in Sep , 2012 (SBR) | PHED | 10 | 06.08.2024 | Complying |
| 48 | 5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014 | PHED | 5 | 06.08.2024 | Complying |
| 49 | 3.5 Pundri Kaithal by PHED in 4.7.2014 | PHED | 3.5 | 06.08.2024 | Complying |
| 50 | 7.5 MLD Kaithal by HUDA in 31.8.2016 | HSVP | 7.5 | 06.08.2024 | Complying |
| 51 | 3 MLD, STP, Village Keorak Distt Kaithal | PHED | 3 | 06.08.2024 | Complying |
| 52 | 3.5 MLD STP Pilni Road, Village Pai, Tehsil Pundri District Kaithal | PHED | 3.5 | 06.08.2024 | Complying |
| Hisar | | | | | |
| 53 | 15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014 | PHED | 15 | 12.06.2024 | Complying |
| 54 | 40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017 | PHED | 40 | 12.06.2024 | Complying |

| Sr. No. | Name and Region of STPs | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|------------------------------|---------------------------------------------------------------------------|--------|---------------------------------|------------------|--------------------------|
| 55 | 4 MLD STP Narnaund, Hisar by PHED 31.03.2019 | PHED | 4 | 11.06.2024 | Complying |
| 56 | 4 MLD STP Kaimri Road, Hisar by PHED in 2018 | PHED | 4 | 12.06.2024 | Non-Complying |
| 57 | 15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014 | HSVP | 15 | 12.06.2024 | Complying |
| 58 | 8 MLD STP Village Dabra by ULBD 31.03.2021 | ULBD | 8 | 11.06.2024 | Complying |
| Sirsa | | | | | |
| 59 | 15 MLD STP, Shamsabad patti , Kalania Road, Sirsa by PHED in 1.7.2012 | PHED | 15 | 09.07.2024 | Complying |
| 60 | 7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015 | PHED | 7.5 | 09.07.2024 | Complying |
| 61 | 9.5 MLD STP, Daddu Road, Kalanwali, Sirsa by PHED in 17.02.2018 | PHED | 9.5 | 09.07.2024 | Complying |
| 62 | 6 MLD STP Rania Sirsa by PHED in 30.6.2017 | PHED | 6 | 09.07.2024 | Complying |
| 63 | 16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017 | PHED | 16.5 | 09.07.2024 | Complying |
| 64 | 20 MLD STP at Kelnia Sirsa by PHED in 30.10.2019 | PHED | 20 | 09.07.2024 | Complying |
| 65 | 7.5 MLD STP, Sirsa by HSVP in 31.01.2022 | HSVP | 7.5 | 09.07.2024 | Complying |
| 66 | 12.5 MLD STP, Nattar, Sirsa | PHED | 12.5 | 09.07.2024 | Complying |
| Fatehabad | | | | | |
| 67 | 10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad by PHED in 1.4.2013 | PHED | 10 | 09.07.2024 | Complying |
| 68 | 10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013 | PHED | 10 | 09.07.2024 | Complying |
| 69 | 6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014 | PHED | 6.5 | 08.08.2024 | Complying |
| 70 | 5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018 | PHED | 5 | 09.07.2024 | Complying |
| 71 | 3 MLD STPJhakhal Mandi, Fatehabad by PHED in 30.9.2019 | PHED | 3 | 09.07.2024 | Complying |
| 72 | 8 MLD STP at Bhuna, Fatehabad 30.06.2021 | PHED | 8 | 09.07.2024 | Complying |
| 73 | 10 MLD STP Majra, Fatehabad by HUDA in 16.12.17 | HSVP | 10 | 09.07.2024 | Complying |
| Total No. of STPs- 73 | | | 573 | | |

Annexure-2

Status of existing STPs in the catchment of river Yamuna

| Sr. No. | Name of the STP | Deptt. | Capacity | Date of sampling | Latest Compliance Status |
|---------------------|----------------------------------------------------------|--------|----------|------------------|--------------------------|
| Yamuna Nagar | | | | | |
| 1 | Radaur Road, Yamuna Nagar by PHED 30.09.2019 | PHED | 20 | 16.08.2024 | Complying |
| 2 | Radaur Road, Yamuna Nagar by PHED in 2020 | PHED | 25 | 16.08.2024 | Complying |
| 3 | Baddimajra, Yamuna Nagar by PHED* 30.07.2019 | PHED | 10 | 16.08.2024 | Complying |
| 4 | Baddimajra, Yamuna Nagar by PHED* 31.07.2021 | PHED | 10 | 16.08.2024 | Complying |
| 5 | Parwaloo, Jagadhri Yamuna Nagar by PHED in 31.12.2018 | PHED | 24 | 16.08.2024 | Complying |
| 6 | Chhachhrauli Yamuna Nagar by PHED in 31.12.2015 | PHED | 3 | 16.08.2024 | Complying |
| 7 | Radaur Yamuna Nagar by PHED 31.12.2015 | PHED | 3.5 | 16.08.2024 | Complying |
| 8 | Saraswati Nagar (Mustafabad) by PHED, Yamunavnagar | PHED | 3.5 | 16.08.2024 | Complying |
| Kurukshetra | | | | | |
| 9 | Indri Road, Ladwa Kurukshetra by PHED 31.10.2016 | PHED | 7 | 26.07.2024 | Complying |
| Karnal | | | | | |
| 10 | Indri, Karnal by PHED* | PHED | 4 | 29.08.2024 | Complying |
| 11 | Nilokheri, Karnal by PHED 1.8.2014 | PHED | 6 | 29.08.2024 | Complying |
| 12 | Nissing Karnal by PHED 2021 10.8.2016 | PHED | 4 | 29.08.2024 | Complying |
| 13 | Tarori Karnal by PHED 1.6.2016 | PHED | 5.5 | 29.08.2024 | Complying |
| 14 | Gharaunda, Karnal by PHED 31.05.2019 | PHED | 7 | 29.08.2024 | Complying |
| 15 | Gogharipur Road, karnal by ULB 01.03.2018 | ULBD | 10 | 29.08.2024 | Complying |
| 16 | RK Puram, Karnal by ULB 31.10.2019 | ULBD | 8 | 29.08.2024 | Complying |
| 17 | Transport Nagar, Karnal by ULB* 31.08.2020 | ULBD | 50 | 29.08.2024 | Complying |
| 18 | Phooshgarh, Karnal in 06.06.2024 | ULBD | 20 | | Complying |
| Panipat | | | | | |
| 19 | Sewah, Panipat by PHED 2000 | PHED | 35 | 24.07.2024 | Complying |
| 20 | Sewah, Panipat Panipat by PHED 2016 | PHED | 25 | 24.07.2024 | Complying |
| 21 | Jattal Road, Panipat by PHED 2016 | PHED | 20 | 24.07.2024 | Complying |
| 22 | Jattal Road, Panipat by PHED 2000 | PHED | 10 | 24.07.2024 | Complying |
| 23 | Samalkha, Panipat by PHED 2013 | PHED | 5 | 24.07.2024 | Complying |
| 24 | Sec-19, Panipat by HSVP 1.11.2018 | HSVP | 30 | 24.07.2024 | Complying |
| 25 | Sec-6, Panipat by HSVP 30.04.2019 | HSVP | 0.8 | 24.07.2024 | Complying |
| 26 | Dev Colony, Panipat in 31.07.2023 | ULBD | 15 | 24.07.2024 | Complying |
| 27 | Barasat Road, Panipat by 31.12.2023 | ULBD | 25 | 24.07.2024 | Complying |
| 28 | Sewah, Panipat | PHED | 3 | 24.07.2024 | Complying |
| Sonepat | | | | | |
| 29 | Kharkhoda Sonepat by PHED 2003 | PHED | 4.5 | 30.07.2024 | Complying |
| 30 | Ganaur Sonepat 1.1.2012 | PHED | 7 | 26.07.2024 | Complying |
| 31 | Gohana Sonepat by PHED 1.11.2015 | PHED | 3 | 26.07.2024 | Non-complying |

| | | | | | |
|----------------|------------------------------------------------------|------|------|------------|--------------------------------------|
| 32 | Gohana Sonapat by PHED 2.7.2012 | PHED | 8.3 | 26.07.2024 | Complying |
| 33 | Rathdana Road, Sonapat by ULB 2003 | ULBD | 30 | 26.07.2024 | Complying |
| 34 | Kakroi Road, Sonapat by ULB 2018 | ULBD | 25 | 26.07.2024 | Complying |
| 35 | Rajiv Gandhi Edu. City, Phase-I, Sonapat by HSVP | HSVP | 7.5 | 25.07.2024 | Complying |
| 36 | Sonapat (Aterna) in 30.04.2024 | HSVP | 15 | | Complying |
| Rohtak | | | | | |
| 37 | PGI Rohtak by PHED 31.3.2016 | PHED | 19.5 | 28.06.2024 | Complying |
| 38 | Sonaria, Rohtak by PHED 31.03.2016 | PHED | 40 | 28.06.2024 | Non-complying |
| 39 | Kalanaur Rohtak by PHED 1.10.2010 | PHED | 3.5 | 28.06.2024 | Complying |
| 40 | Meham Rohtak by PHED 2013 | PHED | 5 | 28.06.2024 | Non-complying |
| 41 | Singhpura, Rohtak by PHED 31.3.2015 | PHED | 14 | 28.05.2024 | Complying |
| 42 | Sampla Rohtak by PHED 2011 | PHED | 4 | 28.06.2024 | Non-complying |
| 43 | Sec-25, Rohtak by HSVP 18.2.2008 | HSVP | 10 | 30.10.2021 | Non-complying (Under Upgradation) |
| 44 | Singhpura, Rohtak by ULB* 2012 | | 10 | | Non Complying (Under Maintenance) |
| 45 | Garhi Bohar Rohtak 31.03.2023 | ULBD | 12 | | Complying |
| 46 | Rohtak 31.03.2023 | HSVP | 10 | | Complying |
| 47 | 15 MLD STP, Peer Bodhi, Rohtak by ULBD in 31.12.2023 | ULBD | 15 | | Complying |
| Jhajjar | | | | | |
| 48 | Jhajjar by PHED | PHED | 5 | 29.06.2024 | Non-complying |
| 49 | Jhajjar by PHED | PHED | 5.5 | 29.06.2024 | Non-complying |
| 50 | Beri Jhajjar by PHED | PHED | 3 | 29.06.2024 | Complying |
| 51 | Line Par, Bahadurgarh by PHED | PHED | 18 | 29.06.2024 | Non-complying |
| 52 | Najafgarh road Bahadurgarh by PHED | PHED | 36 | 29.06.2024 | Complying |
| 53 | Sec-36, Bahadurgarh by HSVP | HSVP | 10 | 29.06.2024 | Complying |
| Nuh | | | | | |
| 54 | Tarou by PHED 30.6.2017 | PHED | 4.5 | 30.08.2024 | Non Complying |
| 55 | Punhana by PHED 31.12.2015 | PHED | 4.5 | 29.08.2024 | Non Complying |
| 56 | Nuh by PHED 25.11.2016 | PHED | 3.6 | 29.08.2024 | Non Complying |
| 57 | Ferozpur Jhirka by PHED 20.11.2019 | PHED | 5 | 30.08.2024 | Non Complying |
| Palwal | | | | | |
| 58 | Hathin by PHED 31.12.2015 | PHED | 4.5 | 28.05.2024 | Non Complying |
| 59 | Hodal by PHED 2013 | PHED | 9 | 20.06.2024 | Non Complying |

| | | | | | |
|-------------------|--------------------------------------------------------|------|-------------|------------|---------------|
| 60 | Hassanpur by PHED 1.3.2016 | PHED | 3 | 20.06.2024 | Non-Complying |
| 61 | Jodhpur Road, Palwal in 31.05.2023 | ULBD | 15 | 28.05.2024 | Complying |
| 62 | Ferozpur, Palwal in 31.05.2023 | ULBD | 2.5 | 28.05.2024 | Complying |
| 63 | Kithwari/Agwanpur, Palwal in 31.08.2023 | ULBD | 10 | 28.05.2024 | Complying |
| Faridabad | | | | | |
| 64 | Badshahpur, Faridabad by ULB in 1.9.2011 | ULBD | 45 | 04.07.2024 | Non-Complying |
| 65 | Sec-21, Faridabad in 31.03.2023 | ULBD | 10 | 04.07.2024 | Complying |
| 66 | Faridabad | HSVP | 30 | 04.07.2024 | Complying |
| Ballabgarh | | | | | |
| 67 | Faridabad by HSVP in 31.03.2021 | HSVP | 7.5 | | Complying |
| 68 | Partapgarh , Ballabgarh by ULBD in 31.03.2024 | ULBD | 100 | | Complying |
| 69 | Mirjapur , Ballabgarh by ULBD in 31.03.2024 | ULBD | 80 | | Complying |
| Gurugram | | | | | |
| 70 | Dhanwapur, Gurgaon by GMDA in 1.10.2018 | GMDA | 50 | 30.05.2024 | Non-Complying |
| 71 | Dhanwapur, Gurgaon by GMDA 2004 | GMDA | 68 | 30.05.2024 | Complying |
| 72 | Behrampur, Gurgaon by GMDA 2014 | GMDA | 120 | 07.06.2024 | Complying |
| 73 | Behrampur, Gurgaon by GMDA 2010 | GMDA | 50 | 07.06.2024 | Complying |
| 74 | Dhanwapur, Gurgaon by GMDA in 1.12.2014 | GMDA | 100 | 30.05.2024 | Non-Complying |
| 75 | Sarai Alawardi in 28.02.2021 | ULBD | 1 | | Complying |
| 76 | Gadoli Kalan in 28.02.2021 | ULBD | 1 | | Complying |
| 77 | Baliawas in 28.02.2021 | ULBD | 1 | | Complying |
| 78 | Darbaripur in 28.02.2021 | ULBD | 1 | | Complying |
| 79 | Mohmadpur Jharsa in 31.03.2021 | ULBD | 2 | | Complying |
| 80 | Bandwari(Shifted from Sihi/Khedki Daula) in 31.10.2021 | ULBD | 1 | | Complying |
| 81 | 20 MLD STP, Jhazgarh, Gurugram by GMDA in 31.13.2023 | GMDA | 20 | | Complying |
| | Total | | 1468 | | |

Status of existing STPs in the catchment of other catchment

| Sr. No. | Name of the town/ city | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|---------------------|-----------------------------------------------------|--------|---------------------------------|------------------|-------------------------------------------------------------------|
| Gurugram | | | | | |
| 1 | Sohna, Gurgaon in 1.3.2014 | PHED | 6 | 30.05.2024 | Non-Complying |
| 2 | Pataudi, Gurgaon in 30.6.2017 | PHED | 4.5 | 05.06.2024 | Non-Complying |
| 3 | Farrukhnagar, Gurgaon in 30.06.2018 | PHED | 3 | 04.07.2024 | Complying |
| 4 | Haily Mandi, Gurgaon in 30.06.2018 | PHED | 5.5 | 04.07.2024 | Complying |
| Jind | | | | | |
| 5 | Julana, Jind in 1.4.2016 | PHED | 4 | 18.06.2024 | Complying |
| Bhiwani | | | | | |
| 6 | Dhana Road, Bhiwani in 16.6.2013 | PHED | 10 | 20.06.2024 | Non-Complying |
| 7 | Bhiwani in 24.3.2014 | PHED | 10 | 20.06.2024 | Non-Complying |
| 8 | Bhiwani, Phase-I in 1.10.2013 | PHED | 15 | 06.12.2023 | Complying |
| 9 | Bhiwani, Phase-II in 1.6.2014 | PHED | 15 | 06.12.2023 | Non-Complying |
| 10 | Charkhi Dadri, Bhiwani in 1.8.2014 | PHED | 5 | 05.10.2023 | Non-Complying |
| 11 | Chirya Road, Charkhi Dadri, Bhiwani 20.7.2013 | PHED | 5 | 05.10.2023 | Non-Complying |
| 12 | Bawani Khera, Bhiwani in 31.12.2015 | PHED | 4.5 | 18.06.2024 | Complying |
| 13 | Loharu, Bhiwani in 30.11.2015 | PHED | 3.5 | 18.06.2024 | Non-Complying |
| 14 | Tosham, Bhiwani 01.07.2014 | PHED | 3 | 18.06.2024 | Complying |
| 15 | Siwani, Bhiwani in 9.9.2014 | PHED | 4 | 18.06.2024 | Non-Complying |
| 16 | Bhiwani in 1.1.2015 | HSVP | 10 | 20.06.2024 | Complying |
| Mohindergarh | | | | | |
| 17 | Mohindergarh in 1.9.2014 | PHED | 6.5 | 21.03.2024 | Non-Complying |
| 18 | Ateli Mandi, Mohindergarh in 30.6.2016 | PHED | 2 | 29.12.2023 | Non-Complying |
| 19 | Kanina, Mohindergarh in 30.4.2016 | PHED | 3 | 29.09.2023 | Non-Complying |
| 20 | Rewari Road, Narnaul, Mohindergarh in 29.4.2015 | PHED | 7.5 | 21.03.2024 | Non-Complying |
| 21 | Near Chinkara Rest House, Rewari Road, Narnaul 2020 | MC | 6 | | Non-Operational and effluent being treated in 7.5 MLD STP Narnaul |
| Rewari | | | | | |
| 22 | Bawal, Rewari 31.3.2014 | PHED | 3 | 29.12.2023 | Non-Complying |
| 23 | Rewari 1.10.2014 | PHED | 6.5 | 12.09.2023 | Non-Complying |
| 24 | Rewari 14.12.2007 | PHED | 8 | 28.03.2024 | Complying |

| Sr. No. | Name of the town/ city | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|------------------|------------------------------------------------|--------|---------------------------------|------------------|--------------------------|
| 25 | Rewari 2014 | PHED | 16 | 28.03.2024 | Complying |
| 26 | Dharuhera in 30.6.2017 | PHED | 9.5 | 28.03.2024 | Complying |
| 27 | Kosli, Rewari in 31.4.2016 | PHED | 3 | 28.03.2024 | Non-Complying |
| 28 | Dharuhera in 2020 | HSVP | 5 | 28.03.2024 | Complying |
| Ambala | | | | | |
| 29 | Barara, Ambala in 30.11.2019 | PHED | 4 | 03.05.2024 | Complying |
| Karnal | | | | | |
| 30 | Assandh, Karnal in 2.4.2014 | PHED | 5 | 17.05.2024 | Complying |
| Hisar | | | | | |
| 31 | Hansi, Hisar in 31.05.2019 | PHED | 6.5 | 11.06.2024 | Complying |
| 32 | Dhani Gram, Barwala, Hisar in 9.12.2014 | PHED | 6 | 12.06.2024 | Non-Complying |
| 33 | Uklana, Hisar in 1.9.2017 | PHED | 6.5 | 12.06.2024 | Complying |
| 34 | Dhani Kushal, Bhiwani Road, Hansi in 15.4.2014 | PHED | 5 | 11.06.2024 | Non-Complying |
| 35 | Lalpura- Jind Road, Hansi in 15.4.2014 | PHED | 7.5 | 11.06.2024 | Non-Complying |
| Total -35 | | | 225 | | |

Annexure-4

13 Clusters of ISWM in River catchment

| Sr. No. | Cluster | ULBs within clusters | Plant Capacity (TPD) | Project Status |
|---------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Sonepat-Panipat | Sonepat, Panipat, Gannaur, Samalkha | 700 | The Work of Sonepat- Panipat Cluster has been awarded to M/s JBM Group and the Waste to Energy Plant has been commissioned and operational since 16 th August 2021. |
| 2 | Faridabad-Gurugram | Faridabad, Gurugram | 2100 | The Work of Gurugram – Faridabad Cluster has been awarded to M/s Ecogreen Energy Pvt. Ltd and the Plant is expected to be commissioned upto December 2023. |
| 3 | Bhiwani | Bhiwani, BawaniKhera, CharkhiDadri, Loharu, Badhra | 155 | The Financial bid of Bhiwani cluster has been opened and under consideration/ approval of Committee of Secretaries on Infrastructure (CoSI). |
| 4 | Sirsa | Sirsa, Rania, Ellenabad, Kalanwali, MandiDabwali | 168 | The Financial bid of Sirsa cluster has been opened and under consideration/approval of Committee of Secretaries on Infrastructure (CoSI). |
| 5 | Ambala-Yamunanagar | Ambala, Naraingarh, Yamuna Nagar, Radaur, Barara, Sadhura | 675 | Bids for Ambala-Yamunanagar Cluster has been re-invited and the last date of submission of bids was 17.05.2022. No bid received. Tender will be recalled shortly. |
| 6 | Karnal-Kaithal-Thanesar | Indri, NilokheriTarori, KarnalGharaunda, Nissing, Assandh, Thanesar, Shahbad, Ladwa, Kaithal, Kalayat, Rajound, Cheeka, Pundri | 638 | Bids for Karnal-Kaithal-Kurukshetra Cluster was re-invited with last date of submission of bids as 17.05.2022. One Bid received and after Technical Evaluation Financial Bid has been opened. Case is under consideration/ approval of Committee of Secretaries on Infrastructure (CoSI). |
| 7 | Panchkula | Panchkula and Kalka | 280 | Bids for Panchkula Cluster has been re- invited and the last date of submission of bids was 17.05.2022. Three Bids received and only one bidder is technically qualified. Financial Bid has been opened. Case is under consideration/ approval of Committee of Secretaries on Infrastructure (CoSI). |
| 8 | Rohtak-Bahadurgarh- | Kalanaur, Meham, Rohtak, Gohana, | 628 | Bids for Rohtak-Bahadurgarh-Jhajjar Cluster has been re-invited |

| Sr. No. | Cluster | ULBs clusters within | Plant Capacity (TPD) | Project Status |
|--------------|-----------------|----------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Jhajjar | Bahadurgarh, Kharkhoda, Julana, Jhajjar, Sampla, Beri | | and the last date of submission of bids was 17.05.2022. No bid received. Tender will be recalled shortly. |
| 9 | Jind | Jind, Narwana, Safidon, Uchana, Narnaund, Sisai, Bass | 181 | The Tender Documents of Jind Cluster is ready and bids will be invited shortly. |
| 10 | Rewari | Bawal, Dharuhera, Rewari, Mahendergarh, Kanina | 407 | The Tender Documents of Rewari Cluster is ready and bids will be invited shortly. |
| 11 | Hisar-Fatehabad | Hisar, Barwala, Hansi, Siwani, Fatehabad, Bhuna, UklanaMandi, Ratia,Tohana, JhakaMandi | 432 | The Tender Documents of Hisar-Fatehabad Cluster is ready.The alternative land has been identified atvillage Beed, Hansi measuring 17 Acres 01 Marla. However, this proposed land is required to be transferred from Agriculture Department to MC Hisar for the said project. ULB Department is required to deposit 2.12 Crore to Agriculture Department .Bids will be invited once the land is transferred to MC Hisar. |
| 12 | Punhana | Punhana, F/Jhirka, Hathin, Hodal, Palwal, Sohna, Nuh,Tauru | 466 | The Tender Documents of Punhana Cluster is ready and bids will be invited shortly. |
| 13 | Faruknagar | Farukh Nagar, HailyMandi, Pataudi | 26 | The Tender Documents of Farukhnagar Cluster is ready. However, the proposed land for establishment of plant for this Cluster is in dispute. Bids will be invited once the clear land is available. |
| Total | | | 6856 | |

Details of Dump Site

| Sr. No | District Name | Name Of Mc | Dumpsite Location | Quantity of Waste Legacy Waste (Ton) | Quantity of Legacy Waste Remediated (Ton) |
|--------|---------------|---------------|------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------|
| 1 | Ambala | Ambala | patvi police chowki, Naraingarh Road | 577349 | 530850 |
| 2 | | Barara | Rajouli Road Tehsil Barara District Ambala | 9800 | |
| 3 | Bhiwani | Bawani Khera | HansiBhiwani Main Road ,Bawanikhera | 9185 | |
| 4 | | Bhiwani | DADRI ROAD BHIWANI | 314000 | 105000 |
| 5 | | Charkhi Dadri | Bhiwani Delhi Bypass | 56400 | 26400 |
| 6 | | Loharu | Pilani Road Loharu | 5109 | 5109 |
| 7 | | Siwani | Near Toshamroad,Siwani | 1236 | 1236 |
| 8 | Fatehabad | Bhuna | Jakhal Road Bhuna | 17400 | |
| 9 | | Fatehabad | Biggar Road, Village Matana | 90000 | 47000 |
| 10 | | Jakhal Mandi | Near Railway track, Jakhalmandi | 3600 | |
| 11 | | Ratia | JakhanDadi road near gaushala, Ratia | 23500 | |
| 12 | | Tohana | near railway line tibbabasti | 12700 | |
| 13 | Gurgaon | Farrukhnagar | On Chand Nagar Road Ward No. 11 Farrukhnagar | 11857 | |
| 14 | | Gurgaon | Bandhwari Village Gurgaon faridabad road | 4700000 | 1700000 |
| 15 | | Hailey Mandi | HAILY MANDI | 300 | |
| 16 | | Manesar | Bawal, Rewari | 152500 | |
| 17 | | Pataudi | Ward No. 10 Near Moti DungriJohar | 10727 | 10727 |
| 18 | | Sohna | Behind Nirankari College, | 54000 | 500 |
| 19 | Hisar | Barwala | Kharkda Road | 6050 | |
| 20 | | Hansi | Village Beer Farm | 13000 | |
| 21 | | Hisar | Dhandoor Village sirsa Road | 200000 | 45000 |
| 22 | | Narnaund | ward no. 04 near shamshanghatt | 3350 | |
| 23 | | Uklana | THEH UKALANA | 6400 | |
| 24 | Jhajjar | Badli | SWM Site MC Badli, Village Pasour, Jhajjar Road, Badli | 11060 | |
| 25 | | Bahadurgarh | Municipal Council Bahadurgarh Dumping site, NayaGaonBadliroad ,Bahadurgarh (Jhajjar) Haryana. | 430000 | 170000 |
| 26 | | Beri | Near MC Beri office, Beri | 10000 | 2885 |
| 27 | | Jhajjar | Municipal Committee Jhajjar Dumping site , Uathloadha Village , Rewari road, Jhajjar (Haryana) | 30000 | |
| 28 | Jind | Jind | HANSI ROAD JIND | 288862 | 100000 |
| 29 | | Julana | WARD NO. 1 JULANA | 5681 | |
| 30 | | Narwana | Lic Road Narwana | 87561 | |
| 31 | | Safidon | Near New Grain Food market | 14500 | |
| 32 | | Uchana | KheriMsania Road | 2800 | |

| Sr. No | District Name | Name Of Mc | Dumpsite Location | Quantity of Waste Legacy Waste (Ton) | Quantity of Legacy Waste Remediated (Ton) |
|--------|---------------|------------------|------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 33 | Kaithal | Cheeka | KHAROUDI ROAD CHEEKA | 28000 | 16000 |
| 34 | | Kaithal | Khurana road kaithal | 168000 | 98000 |
| 35 | | Kalayath | MC Kaithal Dumpsite , Khurana Road Kaithal | 30000 | 5000 |
| 36 | | Pundri | MC Pundri , Dumpsite Kakot Road | 4100 | |
| 37 | | Rajound | Ward 03 | 5200 | |
| 38 | | Siwan | Siwan Municipal Committee Dumpsite , Jungle Road Siwan | 4726 | |
| 39 | | Karnal | Assandh | Near New Fruit Mandi, Kanchi Gate, Assandh | 22300 |
| 40 | Gharaunda | | Village Begampur near Gharaunda | 20236 | 20236 |
| 41 | Indri | | Indri byepaas road , Indri, Karnal | 3000 | 3000 |
| 42 | Karnal | | Vill: Shekhpura, Meerut Road, Karnal | 95022 | 71800 |
| 43 | Nilokheri | | Ward No 6 Dumping point, Kali Mata Mandir Road, Nilokhedi | 11000 | 11000 |
| 44 | Nissing | | Ward No.13, Near Mata SundriKhalsa Girls College, Main KarnalKaithal road, Nissing | 15000 | 15000 |
| 45 | Taraori | | Nadana Road. Near Power House, Taraori | 8766 | 8766 |
| 46 | Kurukshetra | | Ladwa | ward no.1, ladwa | 16100 |
| 47 | | Pehowa | Near Saraswati Petrol pump filling station Pehowa | 10660 | 10660 |
| 48 | | Shahbad | Near Saha Road | 743 | 743 |
| 49 | | Thanesar | Village Bazidpur near Pipli | 800 | |
| 50 | Mahendragarh | Ateli | khorgaon | 4959 | |
| 51 | | Kanina | SIHOR ROAD, KANINA | 10920 | |
| 52 | | Mahendragarh | dholposh | 39349 | |
| 53 | | Nangal Chaudhary | ward no5 NolayjaNolpur | 1550 | |
| 54 | | Narnaul | KhaldapahadiNear by pass | 188000 | 92546 |
| 55 | Mewat | Ferozpur Jhirka | DoodhGhati | 20000 | |
| 56 | | Nuh | Ward No.3. Jogipur Road, Near Vijaya Gas Agency, Nuh town , Haryana | 15768 | |
| 57 | | Punahana | MandkikhheraJamalgarh Road Punhana | 20000 | |
| 58 | | Taoru | burakhapahadi | 35000 | |
| 59 | Palwal | Hathin | Ward No 5, Hathin | 3420 | 1650 |
| 60 | | Hodal | RAVIA PATTI | 6000 | |
| 61 | | Palwal | ward no. 27 meghpur | 21000 | 21000 |
| 62 | Panchkula | Panchkula | sector 23, Panchkula | 416788 | |
| 63 | Panipat | Panipat | Village Nimbri, Panipat | 409200 | 302110 |
| 64 | Rewari | Rewari | Ramsinghpura, Bawal | 87217 | 62217 |
| 65 | Rohtak | Maham | MC Maham, Hisar Road | 13630 | 12961 |
| 66 | | Rohtak | Bhiwani Road, Rohtak | 800000 | 550000 |
| 67 | Sirsa | Ellenabad | Near by Pass Rania Road. Ellenabad | 10816 | |

| Sr. No | District Name | Name Of Mc | Dumpsite Location | Quantity of Waste Legacy Waste (Ton) | Quantity of Legacy Waste Remediated (Ton) |
|--------------|---------------|---------------|-------------------------------------------------------------|--------------------------------------|-------------------------------------------|
| 68 | | Kalanwali | Dadu Road Kalawali | 3280 | 1480 |
| 69 | | Mandi Dabwali | Near Rambagh ward no 4 MandiDabwali | 126684 | 30684 |
| 70 | | Rania | BACK SIDE NIRANKARI BHAWAN, BALASAR ROAD, WARD NO.02, RANIA | 5200 | |
| 71 | | Sirsa | Near by Village Bakriyanwali SWM Plant , Sirsa | 263000 | 44530 |
| 72 | Sonipat | Ganaur | Badshahi Road Near BSNL Tower | 20000 | |
| 73 | | Gohana | Thaska Village | 119000 | 42000 |
| 74 | | Kharkhoda | sampla road bypass | 24000 | 21000 |
| 75 | | Sonipat | Behind DCRUST University | 300000 | |
| 76 | Yamunanagar | Yamunanagar | VillKailKhera Ambala - Jagadhari Road | 192001 | 126001 |
| Total | | | | 10759362 | 4328391 |
| | | | | Say 107 Lakh MT | Say 43.28 Lakh MT |

Annexure-6

Details on Captive TSDF(s)

Name of SPCB/PCC:- HSPCB

| Sr. No | Name and address of the Captive Facility | Type of facility (Land fillable/ Incinerable/ both) | Capacity | | HW disposed during the year (MT) | | Cumulative HW disposed till the end of financial year (MT) | |
|--------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------|-----------------|----------------------------------|-------------|------------------------------------------------------------|-------------|
| | | | Incinerator (MT/H) | Landfill (MT/A) | SLF | Incinerator | SLF | Incinerator |
| 1 | M/S Panipat Refinery ,IOCL Panipat | Landfillable | 0 | 2500 | 666.68 | 0 | 1819.98 | 0 |
| 2 | M/s Crystal Crop. Protection Pvt. Ltd. (Unit-II) (Tech. Plant) , Vill. Nathupur, Sonapat. | Incinerable | 0.05 | 0 | -- | 0.005 | -- | 42.805 |
| 3 | M/s Indogulf Cropsciences Ltd., (Jai Shree Rasayan Udyog Ltd.), (new unit Tech. Plant) , Vill. Nathupur, Sonapat | Incinerable | 0.05 | 0 | -- | 4.73 | -- | 53.26 |
| 4 | M/s Marino panel Products Ltd., vpo rohad, Jhajjar | Incinerable | 13 | Nil | Nil | 82.5 | Nil | Nil |