

I/36857/2021

**HARYANA STATE POLLUTION CONTROL BOARD**

C-11, SECTOR-6, PANCHKULA

Ph. 0172-2577870-73

E-mail:hspcbho@gmail.com

HSPCB**Date:- 29/04/2021****To**

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, CPCB, 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 March, 2021.**Sir,**

Kindly 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 March, 2021 on the prescribed format for your kind information and necessary action please.

DA/ As above**Sr. Env. Engineer (HQ)
For Chairman**

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 March, 2021

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately

- ✓ Ghaggar catchment
Urban Population – 25,38,665

- Yamuna catchment
Urban Population – 62,79,643

- ❖ Other areas-
Urban Population- 11,29,576

II. Estimated Sewage Generation (MLD):

- ✓ Ghaggar catchment
274.06 MLD sewage generation

- Yamuna catchment
1013.75 MLD sewage generation

- ❖ Other areas-
87.1 MLD

III. Details of Sewage Treatment Plant:

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

- ✓ Ghaggar
59 STPs of treatment capacity of 514.25 MLD

- Yamuna
58 STPs of treatment capacity of 1064.7 MLD

- ❖ Other areas-
35 STPs of treatment capacity of 224.5 MLD.

• Capacity Utilization of existing STPs:

- ✓ Ghaggar
274.06 MLD effluent reaching STPs.
- Yamuna
699.43 MLD effluent reaching STPs.
- ❖ Other areas-
108.4 MLD effluent reaching STPs.

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

NIL

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

- ✓ **Ghaggar**

There is Gap of 13.54 MLD in the installed treatment capacity at present in comparison to requirement i.e. sewage generation in some towns in catchment of river Ghaggar i.e. Ambala (4.9MLD) and Kalka (8.64 MLD).

- **Yamuna**

There is Gap of 118.68 MLD in the installed treatment capacity at present in comparison to requirement i.e. sewage generation in some towns in catchment of river Yamuna i.e. Faridabad (107.7 MLD), Indri (0.38) and Palwal(10.6 MLD).

- **No. of Operational STPs:**

Ghaggar

There are total 59 STPs installed in the catchment of river Ghaggar with the capacity of 514.25 MLD. As per latest status, 3 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-1**.

Yamuna

There are total 58 STPs installed in the catchment of river Yamuna with the capacity of 1064.7 MLD. As per latest status, 13 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-2**.

Other Areas

35 STPs of 224.5 MLD capacity are installed in the other areas not following in the catchment of rivers. Out of these 9 STPs are not meeting the prescribed limits.

The details of all the existing STPs in the state are given in the table as under:-

Table:- Details of each existing STP in the State

| Sr. No. | Town | Existing STP Capacity | Capacity Being Utilized | Operational status of STP | Compliance status of STP |
|--------------------------|--------------|-----------------------|-------------------------|---------------------------|--------------------------|
| Ghaggar Catchment | | | | | |
| 1 | Naraingarh | 3 | 2.46 | Operational | Complying |
| 2 | Ambala | 39.25 | 44.15 | Operational | Complying |
| 3 | Ratia | 6.5 | 4.01 | Operational | Complying |
| 4 | Tohana | 10 | 6.89 | Operational | Complying |
| 5 | Jhokal Mandi | 3 | 1.38 | Operational | Complying |

| Sr. No. | Town | Existing STP Capacity | Capacity Being Utilized | Operational status of STP | Compliance status of STP |
|-------------------------|---------------|-----------------------|-------------------------|---------------------------|--|
| 6 | Fatehabad | 25 | 7.64 | Operational | 2 STPs are Non-Complying (10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad & 10 MLD STP Majra, Fatehabad) |
| 7 | Hisar | 74 | 39.02 | Operational | Non-Complying (4 MLD Kaimri Road, Hisar) |
| 8 | Narnaund | 4 | 1.86 | Operational | Complying |
| 9 | Narwana | 9.25 | 6.7 | Operational | Complying |
| 10 | Uchana | 3.5 | 1.81 | Operational | Complying |
| 11 | Jind | 37 | 18.09 | Operational | Complying |
| 12 | Safidon | 9 | 3.75 | Operational | Complying |
| 13 | Cheeka | 10 | 4.2 | Operational | Complying |
| 14 | Kaithal | 37.5 | 15.65 | Operational | Complying |
| 15 | Kalayat | 5 | 2.01 | Operational | Complying |
| 16 | Pundri | 3.5 | 2.03 | Operational | Complying |
| 17 | Shahbad | 11.5 | 4.6 | Operational | Complying |
| 18 | Pehowa | 8 | 4.19 | Operational | Complying |
| 19 | Thanesar | 40 | 16.75 | Operational | Complying |
| 20 | Kalka | 4.75 | 13.39 | Operational | Complying |
| 21 | Pinjore | 5 | 4.75 | Operational | Complying |
| 22 | Panchkula | 81 | 34.28 | Operational | Complying |
| 23 | Mandi Dabwali | 16.5 | 5.71 | Operational | Complying |
| 24 | Kalanwali | 9.5 | 2.38 | Operational | Complying |
| 25 | Sirsa | 45 | 19.71 | Operational | Complying |
| 26 | Rania | 6 | 2.71 | Operational | Complying |
| 27 | Ellenabad | 7.5 | 3.94 | Operational | Complying |
| Total | | 514.25 | 274.06 | | |
| Yamuna Catchment | | | | | |
| 1 | Jagadhri | 24 | 59.5 | Operational | Complying |

| Sr. No. | Town | Existing STP Capacity | Capacity Being Utilized | Operational status of STP | Compliance status of STP |
|---------|--------------|-----------------------|-------------------------|---------------------------|---|
| | Yamunanagar | 55 | | Operational | Complying |
| 2 | Radaur | 3.5 | 2 | Operational | Complying |
| 3 | Chhachhrauli | 3 | 1.75 | Operational | Complying |
| 4 | Ladwa | 7 | 5 | Operational | Complying |
| 5 | Nilokheri | 6 | 3.5 | Operational | Complying |
| 6 | Taraori | 5.5 | 3.8 | Operational | Complying |
| 7 | Indri | 4 | 2.35 | Operational | Complying |
| 8 | Karnal | 76 | 59 | Operational | Complying |
| 9 | Nissing | 4 | 2.3 | Operational | Complying |
| 10 | Gharaunda | 7 | 4.7 | Operational | Complying |
| 11 | Panipat | 120.8 | 42 | Operational | 4 STP Non-Complying (35 MLD STP Sewah, Panipat, 10 MLD STP Jattal Road, Panipat , 25 MLD STP Sewah, Panipat & 20 MLD STP Jattal Road Panipat by PHED) |
| 12 | Samalkha | 5 | 4 | Operational | Complying |
| 13 | Gohana | 11.3 | 8.72 | Operational | Complying |
| 14 | Ganaur | 7 | 5.5 | Operational | Complying |
| 15 | Sonepat | 62.5 | 10.5 | Operational | Complying |
| 16 | Kharkhoda | 4.5 | 2 | Operational | Complying |
| 17 | Maham | 5 | 2.65 | Operational | Complying |
| 18 | Rohtak | 93.5 | 49.7 | Operational | 3 STPs Non-Complying (40 MLD Sonaria, Rohtak, 4 MLD Sampla and 10 MLD Sec-25, Rohtak by HSVP) |
| 19 | Kalanaur | 3.5 | 2.5 | Operational | Complying |

| Sr. No. | Town | Existing STP Capacity | Capacity Being Utilized | Operational status of STP | Compliance status of STP |
|-------------------|---------------------|-----------------------|--------------------------|---------------------------|---|
| 20 | Sampla | 4 | 2.66 | Operational | Complying |
| 21 | Beri | 2 | 1.72 | Operational | Complying |
| 22 | Bahadurgarh | 64 | 22.6 | Operational | 2 STP Non-Complying (18 MLD STP, Linepar, Bahadurgarh by PHED & 36 MLD Najafgarh Road, Bahadurgarh) |
| 23 | Jhajjar | 10.5 | 6.45 | Operational | Complying |
| 24 | Taoru | 4.5 | 2.6 | Operational | Complying |
| 25 | Gurugram | 388 | 344 | Operational | 1 STP Non-Complying (100 MLD Dhanwapur, Gurgaon) |
| 26 | Nuh | 3.6 | 2.3 | Operational | Complying |
| 27 | Ferozpur jhirka | 5 | 2.45 | Operational | Complying |
| 28 | Punahana | 4.5 | 1.25 | Operational | Complying |
| 29 | Faridabad | 45 | 25 | Operational | 1 STP Non-Complying (45 MLD Badshahpur, Faridabad) |
| 30 | Palwal | 9 | 9 | Operational | Complying |
| 31 | Hathin | 4.5 | 2.08 | Operational | Complying |
| 32 | Hassanpur | 3 | 1.25 | Operational | Non Complying (BOD 10) |
| 33 | Hodal | 9 | 4.6 | Operational | Non Complying (BOD 10) |
| Total | | 1064.7 | 699.4 3 | | |
| Other STPs | | | | | |
| 1 | Sohna | 6 | 4.5 | Operational | Complying |
| 2 | Pataudi | 4.5 | 2.8 | Operational | Complying |
| 3 | Farrukhnagar | 3 | 2.8 | Operational | Complying |
| 4 | Haily Mandi | 5.5 | 1.85 | Operational | Complying |
| 5 | Julana | 4 | 2.1 | Operational | Complying |
| 6 | Dhana Road, Bhiwani | 10 | | Operational | Non Complying |
| 7 | Bhiwani | 10 | | Operational | Non Complying |

| Sr. No. | Town | Existing STP Capacity | Capacity Being Utilized | Operational status of STP | Compliance status of STP |
|--------------|--|-----------------------|-------------------------|---------------------------|--------------------------|
| 8 | Bhiwani | 15 | 8.2 | Operational | Complying |
| 9 | Bhiwani | 15 | 8.24 | Operational | Complying |
| 10 | Charkhi Dadri | 5 | 3.5 | Operational | Complying |
| 11 | Charkhi Dadri | 5 | 1.5 | Operational | Non Complying |
| 12 | Bawani Khera | 4.5 | 2.5 | Operational | Complying |
| 13 | Loharu | 3.5 | 1.84 | Operational | Complying |
| 14 | Tosham | 3 | 1.76 | Operational | Complying |
| 15 | Siwani | 4 | 2.53 | Operational | Complying |
| 16 | Mohindergarh | 6.5 | 3.3 | Operational | Complying |
| 17 | Ateli Mandi | 2 | 0.9 | Operational | Complying |
| 18 | Kanina | 3 | 1.25 | Operational | Complying |
| 19 | Rewari Road, Narnaul | 7.5 | 5 | Operational | Complying |
| 20 | Bawal | 3 | 1.7 | Operational | Complying |
| 21 | Rewari | 6.5 | 5 | Operational | Non Complying |
| 22 | Rewari | 8 | 3.7 | Operational | Non Complying (10 BOD) |
| 23 | Rewari | 16 | 10.22 | Operational | Non Complying (10 BOD) |
| 24 | Dharuhera | 9.5 | 3.5 | Operational | Non Complying (10 BOD) |
| 25 | Kosli | 3 | 1.32 | Operational | Complying |
| 26 | Barara | 4 | 2.64 | Operational | Complying |
| 27 | Assandh | 5 | 3.52 | Operational | Complying |
| 28 | Hansi | 6.5 | 2.98 | Operational | Complying |
| 29 | Dhani Gram, Barwala | 6 | 5.74 | Operational | Non Complying |
| 30 | Uklana | 6.5 | 1.75 | Operational | Non Complying (10 BOD) |
| 31 | Dhani Kushal, Bhiwani Road, Hansi | 5 | 3.5 | Operational | Complying |
| 32 | Lalpura- Jind Road, Hansi | 7.5 | 5 | Operational | Complying |
| 33 | Bhiwani | 10 | 1.5 | Operational | Complying |
| 34 | Dharuhera | 5 | 1.75 | Operational | Complying |
| 35 | Near Chinkara Rest House, Rewari Road, Narnaul | 6 | | Operational | Complying |
| Total | | 224.5 | 108.39 | | |

B 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 | 28% | 215311 House sewer connections provided in the Ghaggar Catchment. | 30.06.2021 |
| 2 | Khatoli | 0.75 | 98% | | 31.03.2021 |
| 3 | Sukhdarshanapur | 0.75 | 99% | | 31.03.2021 |
| 4 | Billa | 0.75 | 91% | | 30.06.2021 |
| 5 | Village Dabra | 8 | 100% | | 31.03.2021 |
| 6 | Ambala | 5 | 100% | | 31.03.2021 |
| 7 | Khuda Khurd, Ambala | 12 | 28% | | 30.06.2021 |
| 8 | Bhuna | 8 | 95% | | 30.04.2021 |
| 9 | Babyal | 10 | 75% | | 30.06.2021 |
| 10 | Shahpur Machhonda | 7.5 | 15% | | 30.06.2021 |
| 11 | Saketri-STP | 1.5 | 15% | | 30.06.2021 |
| 12 | Sirsa | 7.5 | 75% | | |
| Yamuna Catchment | | | | | |
| 1 | Baddi Majra, Yamuna Nagar | 10 | 98% | 195520 House sewer connections provided in the Yamuna Catchment. | 30.06.2021 |
| 2 | Shiv Colony, Karnal | 8 | 72% | | 30.06.2021 |
| 3 | Phooshgarh, Karnal | 20 | 73% | | 30.06.2021 |
| 4 | Garhi Bohar, Rohak | 12 | 60% | | 30.06.2021 |
| 5 | Singhpura, Rohtak | 10 | 98% | | 31.03.2021 |
| 6 | Peer Bodhi, Rohak | 15 | 10% | | 30.09.2022 |
| 7 | Mohmadpur Jharsa | 2 | 100% | | 31.03.2021 |
| 8 | Bandwari(Shifted from Sihi/Khedki Daula) | 1 | 75% | | 30.06.2021 |
| 9 | Faridabad | 7.5 | 100% | | 31.03.2021 |
| 10 | Faridabad, sector-21 | 10 | 12% | | 31.12.2021 |
| 11 | Kithwari | 10 | 46% | | 31.07.2021 |
| 12 | Jodhpur Road, Palwal | 15 | 52% | | 31.07.2021 |
| 13 | Ferozpur, Palwal | 2.5 | 52% | | 31.07.2021 |

| Sr. No. | Location | Capacity of the plant in MLD | Physical Progress in % | Status of I&D or House sewer connections | Completion Timeline |
|---------|-----------------------|------------------------------|------------------------|--|---------------------|
| 14 | Sonepat (Aterna) | 15 | 53% | | 31.12.2021 |
| 15 | Murthal Sonepat | 3 | 26% | | 30.06.2021 |
| 16 | Jhazgarh | 20 | 15% | | 31.12.2021 |
| 17 | Dhankot, Gurugram | 2 | 0% | | 31.12.2021 |
| 18 | Bajghera | 2 | 10% | | 31.12.2021 |
| 19 | Rohtak | 10 | 55% | | 31.12.2021 |
| 20 | Mirjapur, Faridabad | 80 | 14% | | 30.11.2022 |
| 21 | Partapgarh, Faridabad | 100 | 19% | | 30.11.2022 |
| 22 | Faridabad | 30 | 30% | | 30.06.2022 |

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 |
|--------------------------|--------------------------|-------------------------------------|--|---------------------------|
| Ghaggar Catchment | | | | |
| 1 | Sector-32, Ambala Cantt. | 5 | Sewage is lifted to the existing 2 MLD STP of HSVP in Ambala. | 31.12.2027 |
| 2 | Naraingarh, Ambala | 1 | Sewage is lifted to the existing STP of PHED in Naraingarh. | 31.12.2024 |
| 3 | Pinjore, Panchkula | 8 | No discharge yet. | 31.12.2027 |
| 4 | Jind | 5 | The existing 10 MLD STP is sufficient. | 31.12.2027 |
| 5 | Hansi | 5 | Present discharge, though very little, is being treated in existing STP. | 31.12.2027 |
| 6 | Hisar | 10 | Sewage is lifted to the existing 15 MLD STP of HSVP in Hisar. | 31.12.2024 |
| 7 | Hisar | 5 | No discharge yet. | 31.12.2026 |
| Yamuna Catchment | | | | |

| 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 |
|---------|--------------------------------------|-------------------------------------|--|---------------------------|
| 1 | Manesar and Naharpur Kasan, Gurugram | 25 | Tender floated and Bids opened. | 31.03.2022 |
| 2 | Dev Colony, Panipat | 15 | The tender was re invited due to non receipt of any bid in the proposed tender | 30.09.2022 |
| 3 | Barsat Road, Panipat | 25 | The tender was re invited due to non receipt of any bid in the proposed tender | 30.09.2022 |

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 | 3474 | 121.11 | 3474 | 814 |
| 2 | Ghaggar | 252 | 5.2 | 252 | 28 |
| | Total | 3726 | 126.31 | 3729 | 842 |

- 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 | 14 | 161.5 | 2 | 9 | 6 | 155.5 |
| 2 | Ghaggar | 4 | 6.1 | 0 | 0 | 2 | 3 |
| 3 | Other Areas | 1 | 22.5 | 0 | 0 | 0 | 0 |
| | Total | 19 | 190.1 | 2 | 9 | 8 | 158.5 |

- 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) |
|------------|-------------------|-------------------------------|----------------|---|
| Naraingarh | 10 | 0.002 | All units have | 0 |
| Ambala | 69 | 1.2 | | Existing – 2 CETP of 5.5 |

| Town | No. of industries | Industrial Discharge (in MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|--------------|---|-------------------------------|----------------|--|
| | | | Installed ETPs | MLD capacity and both are complying as per latest A/Rs |
| Jind | No industry in catchment of river/drains of Ghaggar | 0 | | Existing- 1 CETP of 0.1 MLD capacity is non complying. |
| Shahbad | 4 | 0.001 | | 0 |
| Pehowa | 3 | 3.4 | | 0 |
| Kurukshetra | 26 | 0.036 | | 0 |
| Kalka | 8 | 0.01 | | 0 |
| Barwala | 20 | 0.07 | | Existing- 1 CETP of 0.5 MLD capacity and the same is complying as per latest A/R |
| Panchkula | 112 | 0.5 | | 0 |
| Total | 252 | 5.2 | | |

Yamuna Catchment

| Town | No. of industries | Industrial Discharge (In MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|--------------------------|-------------------|-------------------------------|-------------------------------|---|
| Jagadhri/ Yamunanagar | 207 | 18.4 | All units have Installed ETPs | Under construction-1 CETP of 3 MLD capacity |
| Karnal | 310 | 18.4 | | 0 |
| Panipat | 286 | 24.3 | | Existing- 3 CETPs of 44.5, all are complying. |
| Sonepat | 789 | 21.8 | | Existing- 4 CETPs of 25.2, all are complying. Under construction- 1 CETP of 6 capacity. |
| Rohtak | 89 | 1.4 | | Existing- 2 CETPs of 13 (1 CETP of 3 MLD is under trial run and the other CETP of 10 MLD at IMT Rohtak is complying) |
| Jhajjar | 311 | 5.4 | | Existing- 1 CETP of 12.5 MLD and the same is complying. Proposed- 1 CETP of 10 |

| Town | No. of industries | Industrial Discharge (In MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|--------------|-------------------|-------------------------------|----------------|---|
| | | | | MLD capacity |
| Gurugram | 775 | 13.27 | | Existing- 2 CETPs of 55.2 MLD and are complying. Proposed- 3 CETPs of 30.5 MLD capacity. |
| Nuh | 39 | 1.5 | | 0 |
| Palwal | 76 | 7.7 | | 0 |
| Faridabad | 592 | 8.94 | | Existing- 2 CETPs of 11.1 MLD are complying. Proposed- 2 CETPs of 115 capacity. |
| Total | 3474 | 121.11 | | |

The list is enclosed is as under:-

| Sr. No. | Name of CETP | Capacity in MLD | Deptt. | Analysis report no. and date | Compliance status |
|---------------------|--------------------------------------|-----------------|---------|---|-------------------|
| River Yamuna | | | | | |
| 1 | IE Rai, Sonapat | 5 | HSI IDC | 655 dt. 12.03.2021 | Complying |
| 2 | IE Barhi, Sonapat | 16 | HSI IDC | 659 dt. 12.03.2021 | Complying |
| 3 | IE Kundli, Sonapat | 4 | HSI IDC | 597 dt. 08.03.2021 | Complying |
| 4 | IE Murthal, Sonapat | 0.2 | HSI IDC | 660 dt. 12.03.2021 | Complying |
| 5 | IMT Rohtak | 10 | HSI IDC | 1387-1388 dt. 27.02.2021 | Complying |
| 6 | IE Kutana, Rohtak | 3 | HSI IDC | Plant under trial run. | |
| 7 | IE Panipat Refinery Complex, Panipat | 2.5 | HSI IDC | Could not be functional, due to Non availability of sufficient effluent | |
| 8 | HSI IDC Sector 16-17, Bahadurgarh | 12.5 | HSI IDC | 1504-1505 dt. 20.03.2021 | Complying |
| 9 | IMT faridabad | 10.5 | HSI IDC | 554 dt. 16.03.2021 | Complying |
| 10 | IMT Manesar, Gurugram | 55 | HSI IDC | 1249 dt. 7.12. 2020 | Complying |

| Sr. No. | Name of CETP | Capacity in MLD | Deptt. | Analysis report no. and date | Compliance status |
|-----------------------|--------------------------------------|-----------------|---------|------------------------------|-------------------|
| 11 | Sector-29, Panipat | 21 | HSVP | 739 dt. 25.03.2021 | Complying |
| 12 | Sector-29, Panipat | 21 | HSVP | 740 dt. 25.03.2021 | Complying |
| 13 | Faridabad Electroplaters Association | 0.6 | Private | 547 dt. 10.03.2021 | Complying |
| 14 | Industrial Area, Sector-37, Gurugram | 0.2 | Private | 1285-1286 dt. 14.12.2020 | Complying |
| River Ghaggar | | | | | |
| 15 | IE Barwala, Panchkula | 0.5 | HSI IDC | 654 dt. 12.03.2021 | Complying |
| 16 | Ambala Cantt. | 0.5 | HSI IDC | 757 dt. 31.03.2021 | Non Complying |
| 17 | Saha, Ambala | 5 | HSI IDC | 731 dt. 25.03.2021 | Complying |
| 18 | I. E. Jind | 0.1 | HSI IDC | 1499-1500 dt. 19.03.2021 | Non Complying |
| Other areas | | | | | |
| 19 | IMT Bawal, Rewari | 22.5 | HSI IDC | 2163-2164 dt. 09.04.2021 | Complying |
| Total capacity | | 190.1 | | | |

V. **Solid Waste Management:**

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

There are 88 Municipalities in Haryana and the population of all Municipalities is 92,11,050 as per Census 2011.

- **Current Municipal Solid Waste Generation.**

5387 TPD

- **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.**

There are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (150 TPD), Sirsa (50 TPD) & Karnal (150 TPD). Apart from the above, three Bio-Methanation Facilities are also operational in Faridabad, Panchkula and Radaur and one Bio-CNG plant is operational in Karnal. Further, there are 1800 compost pits in various MCs and there are also 1466 pits for horticulture waste. In addition, 12 approx.. 2000 household pits have been constructed to encourage the households for home composting. For processing of dry waste 395 Material Recovery Facilities (MRF) has also been constructed in 39 Municipalities.

Further, Waste to Energy Plant at ISWM Sonapat-Panipat Cluster is expected to achieve Commercial Operation Date by April, 2021.

- **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 87 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 (500 TPD) Waste to Energy project is under progress and 60% construction have been finished with proposed tentative commissioning by March 2021. The Environmental Clearance of Gurugram-Faridabad (1500 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 13 approx. 40% processing of entire waste being generated in the state.

Remaining eleven (11) clusters are Open Technology Clusters. The details of 13 clusters are attached at **Annexure-3**.

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

Presently Municipal Corporation, Gurugram has established a 300 TPD Construction and Demolition Waste processing plant at Village Basai and the capacity of the plant will be increased to 1500 TPD shortly. MC Gurugram has signed agreements with two private contractors to collect and transport the C&D waste from the household's level to the designated C&D waste Plant. This plant is also being utilised to process the C&D waste generated in MC Faridabad till a new plant is commissioned in Faridabad.

Further, bids for setting up of C&D waste plant of 300 TPD in Faridabad have also been invited which are likely to be finalized by November, 2020 and plant is likely to be commissioned by November, 2021.

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

There are total 1540 wards in MCs of Haryana out of which 1467 wards have been covered with door to door waste collection services. Out of the total wards, source segregation has been initiated 1103 wards.

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

Detail is already attached at Annexure-3.

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

The detail of dumpsites attached at Annexure-4.

- **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 falls directly into the rivers. They ultimately join the drains of irrigation and the drains of irrigation falls 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 approximate 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 | 5387 | 2375 | 03 having capacity 350 TPD apart from this MCs are adopting the pit/windrow composting for processing of waste. | 350 TPD | 13 ISWM clusters having capacity 5630 TPD. Out of which waste to energy plant of 500 TPD capacity at Sonapat is likely to be commissioned by April, 2021 and rest of the plants are likely to be commissioned by December, 2022. |

VI. Bio-medical Waste Management:

- **Total Bio-medical generation:**

As per the annual report for 2019, total 14810 kg/day bio medical waste is generated in State of Haryana.

- **No. of Hospitals and Health Care Facilities:**
As per the annual report for 2019, there are 5526 no. of HCFs in State of Haryana.
- **Status of Treatment Facility/ CBMWTF:**
As per the annual report for 2019, there are 11 no. of authorized CBWTFs/Treatment facilities in State of Haryana

VII. Hazardous Waste Management:

- **Total Hazardous Waste generation:** 220987.09 tons
- **No. of Industries generating Hazardous waste-** 4849
- **Treatment Capacity of all TSDFs**
Incinerator (Kcal) - 2.5 Million.
Landfill (MTA) - 32 years
- **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated**

| Hazardous waste reaching TDFs | Hazardous waste treated |
|---|--|
| Landfill -14372 MT Incineration – 15150.8 MT | Landfill -14372 MT Quantity Incinerated – 0 |

- **Details of on-going or proposed TSDF-** Details given at **Annexure-5**

VIII. Plastic Waste Management:

- **Total Plastic Waste generation:**
Approximate 520 TPD.
- **Treatment/ Measures adopted for reduction or management of plastic waste:**
At present plastic waste is being channelized through MRF centres 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 Yamuna

| Status of Action Plan Untreated Discharge Points Mixing to River Yamuna | | | | | |
|--|------------------------|--------------------------|---|-----------------------------|-----------------------|
| Sr. No. | Department Name | Department Points | Action plan not required/completed | Received Action Plan | Pending Points |
| 1 | D&P | 23 | 15 | 6 | 2 |
| 2 | HSIDC | 2 | 2 | 0 | 0 |
| 3 | HSPCB | 23 | 6 | | 17 |
| 4 | HSVP | 3 | 0 | 0 | 3 |
| 6 | Industry Dept. | 1 | 0 | 0 | 1 |
| 7 | PHED | 11 | 8 | 1 | 2 |
| 8 | ULB | 63 | 3 | 51 | 9 |
| | Total | 126 | 34 | 58 | 34 |

River Ghaggar

| Sr. No. | Department Name | Department Points | Action plan not required/completed | Receive Action Plan | Pending Points |
|----------------|------------------------|--------------------------|---|----------------------------|-----------------------|
| 1 | D&P | 142 | 30 | 87 | 25 |
| 2 | HSIIDC | 2 | 2 | - | 0 |
| 3 | HSVP | 13 | 1 | 2 | 10 |
| 4 | PHED | 34 | 17 | 16 | 1 |
| 5 | ULB | 54 | 19 | 11 | 24 |
| 6 | H.P. State | 1 | | - | 1 |
| 7 | Industry Unit | 3 | 1 | - | 2 |
| 8 | department not known | 3 | 0 | 0 | 3 |
| 9 | Railway | 1 | | | 1 |
| 10 | Housing Board | 1 | | | 1 |
| 11 | HSPCB | 1 | 0 | 0 | 1 |
| | Total | 255 | 70 | 116 | 69 |

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. 8 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 and 12.02.2021.

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 | 8.5 | 6.8 | 2100 |
| 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 | 14.75 | 52 | 17000 |
| 3 | Singh Nallah choe before entering punjab near Mamta Enclave, Near Slaughter house Panchkula (PKL-RDQ-038) | 30.664066, 76.843880 | 8.25 | 84 | 41000 |
| 4 | Ambala Drain near Motor Market, Ambala City (AMB-RDQ-008) | 30.388012, 76.790604 | 39.75 | 58 | 94000 |
| 5 | Ghail drain at Samaspur, Ambala (AMB-RDQ-011) | 30.333736, 76.667902 | 17.95 | 28 | 109000 |
| 6 | Markanda River Bhagal Bridge. (Longitude 76026.218' and Latitude 30005.025') (KTL-RDQ-002) | Longitude 76026.218' and Latitude 30005.025' | 9.20 | 35 | 210000 |
| 7 | Cheeka Drain/Old Ghaggar Creek | Longitude 76.232452' and Latitude 30.064188' | 4.10 | 44 | 210000 |
| 8 | Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76011.249' and Latitude 29052.976') (KTL-RDQ-011) | Longitude 76011.249' and Latitude 29052.976' | 9.54 | 33 | 280000 |
| 9 | Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude | Longitude 76006.831' and Latitude | 9.10 | 44 | 130000 |

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F. Coli |
|---------|--|--|---------------|------------|---------|
| | 76006.831' and Latitude 29050.731') | 29050.731' | | | |
| 10 | Discharge of Ratia Town through drain (Longitude 29.711468 and Latitude 75.551894) | Longitude 29.711468 and Latitude 75.551894 | 4 | 24 | 26000 |
| 11 | Discharge of Jakhal (29.786392, 75.826893) (HSR-RDQ-002) | 29.787241, 75.827388 | 3 | 9 | 13000 |
| 12 | Discharge of 7.5 MLD STP PHED Ellenabad, Sirsa into River Ghaggar (HSR-RDQ-018) | 29.489644, 74.741455 | 0.05 | 25 | 11000 |

(b) Water quality and flow of river Ghaggar

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) Mar, 2021 | BOD(mg/l) | F.Coli (MPN/100ml) |
|---------|---|----------------------|-------------------------|-----------|--------------------|
| 1 | Ghaggar River at Haryana Himachal Border (Ghaggar River at Morni) (PKL-RDQ-014) | 30.742182/ 76.742182 | - | 4.2 | 110 |
| 2 | Ghaggar before meeting Kaushalya River (Burajkottian Zone, Panchkula) (PKL-RDQ-015) | 30.639975/ 76.872849 | 138 | 6.2 | 140 |
| 3 | Ghaggar River D/S after meeting Kaushalya River (NWMP-Station Code- 1885) (PKL-RDQ-017) | 30.740980, 76.909826 | 168 | 4.8 | 170 |
| 4 | U/s of Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-022) | 30.613894/ 76.836044 | 180 | 5.8 | 170 |
| 5 | D/S of Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-024) | 30.642798, 76.874462 | 188.50 | 7.6 | 270 |
| 6 | Ghaggar River before meeting Ambala Drain (AMB-RDQ-007) | 30.402314, 76.743059 | 49 | 6.8 | 2600 |
| 7 | Ghaggar River after meeting Ambala Drain (AMB-RDQ-009) | 30.398033, 30.398033 | 88.75 | 14 | 3300 |
| 8 | Ghaggar River before mixing Ghail drain at Samaspur (Ambala) (AMB-RDQ-010) | 29.71135/ 75.552123 | 88.75 | 4.6 | 2700 |
| 9 | Ghaggar River after mixing Ghail Drain at Samaspur (Ambala) | 30.332689, 76.668607 | 106.70 | 19 | 3300 |

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) Mar, 2021 | BOD(m g/l) | F.Coli (MPN/100ml) |
|---------|--|--|-------------------------|------------|--------------------|
| | (AMB-RDQ-012) | | | | |
| 10 | Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76025.974' and Latitude 30007.695') (KTL-RDQ-001) | Longitude 76025.974' and Latitude 30007.695' | 11.30 | 29 | 280000 |
| 11 | Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76022.571' and Latitude 30005.410') (KTL-RDQ-003) | Longitude 76022.571' and Latitude 30005.410' | 20.50 | 38 | 250000 |
| 12 | Ghaggar River before mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-007) | Longitude 76.232452' and Latitude 30.064188' | 20.50 | 46 | 250000 |
| 13 | Ghaggar River after mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-008) | Longitude 76.232452' and Latitude 30.064188' | 24.60 | 44 | 210000 |
| 14 | Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76010.173' and Latitude 29054.305') (KTL-RDQ-010) | Longitude 76010.173' and Latitude 29054.305' | 0 | 46 | 250000 |
| 15 | Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76010.135' and Latitude 29053.548') (KTL-RDQ-012) | Longitude 76010.135' and Latitude 29053.548' | 9.54 | 41 | 150000 |
| 16 | River Ghaggar before mixing Kaithal drain at Khanauri. (Longitude 75000.061' and Latitude 29050.754') (KTL-RDQ-013) | Longitude 75000.061' and Latitude 29050.754' | 0 | 48 | 250000 |
| 17 | River Ghaggar after mixing Kaithal Drain into River Ghaggar. (Longitude 76006.663' and Latitude 29050.723') (KTL-RDQ-018) | Longitude 76006.663' and Latitude 29050.723' | 9.10 | 45 | 210000 |
| 18 | River Ghaggar before meeting discharge of Ratia. (HSR-RDQ- | 29.693333, 75.580474 | 97.56 | 43 | 290000 |

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) Mar, 2021 | BOD(m g/l) | F.Coli (MPN/100ml) |
|---------|--|----------------------|-------------------------|------------|--------------------|
| | 005) | | | | |
| 19 | River Ghaggar after meeting of discharge of Ratia. (HSR-RDQ-007) | 29.716549, 75.549705 | 101.56 | 38 | 190000 |
| 20 | River Ghaggar before meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-001) | 29.786392, 75.826893 | 713 | 9 | 13000 |
| 21 | River Ghaggar after meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-003) | 29.786392, 75.826893 | 716 | 33 | 210000 |
| 22 | River Ghaggar before discharge of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-017) | 29.457123, 74.677554 | - | 43 | 280000 |
| 23 | River Ghaggar after discharged of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-019) | 29.489821, 74.746049 | - | 35 | 130000 |

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

Ground water quality is being monitored at 78 locations in the catchment of river Ghaggar by HSPCB. Out of total 78 locations, ground water is found fit for drinking at 39 locations and non complying at 39 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. The same has been compiled by the task forces.

| Sr. No. | Region | No. of points monitored | Complying | Non-complying |
|--------------|-------------|-------------------------|-----------|---------------|
| 1 | Panchkula | 7 | 7 | 0 |
| 2 | Ambala | 7 | 1 | 6 |
| 3 | Jind | 2 | 1 | 1 |
| 4 | Kaithal | 15 | 4 | 11 |
| 5 | Kurukshetra | 1 | 1 | 0 |
| 6 | Hisar | 5 | 2 | 3 |
| 7 | Sirsa | 23 | 15 | 8 |
| 8 | Fatehabad | 18 | 8 | 10 |
| Total | | 78 | 39 | 39 |

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 | 78.4 | 58 | 39000 |
| 2 | Drain No.2 before meeting river Yamuna at vill. Khojkipur (PNP-RDQ-008) | 29.280218, 77.120858 | 107.5 | 104 | 94000 |
| 3 | Drain no. 6 before entry in Delhi (SNP-RDQ-001) | 28.890391, 77.109702 | 159.25 | 78 | 70000 |
| 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 | 37.5 | 47 | 310000 |
| 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 | 45.0 | 45 | 170000 |
| 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 | 25 | 27 | 80000 |
| 7 | Leg I Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-002) | 28.531019, 77.001858 | 1.21 | 55 | 57000 |
| 8 | Leg II Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-005) | 28.508322, 76.975010 | 6.05 | 60 | 64000 |
| 9 | Leg III (Badshpur) Drain before meeting Najafgarh Drain Gurgaon (GRN-RDQ-008) | 28.484470, 76.953334 | 120.30 | 40 | 48000 |
| 10 | Budhiya Nala before meeting river Yamuna, at Vill. Manjhawali, Faridabad (FBD-RDQ-010) | 28.382511, 77.481014 | 82.68 | 29 | 47200 |
| 11 | Gaunchi Drain before River | 27.914783, | 66.15 | 28 | 32000 |

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F.Coli |
|---------|------------------------------|---------------------|---------------|------------|--------|
| | Yamuna, Palwal (PWL-RDQ-005) | 77.517323 | | | |

(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 | UP | 4.8 | 900 |
| 2 | River Yamuna after meeting Maskara Nallah, Down Stream, Kalanaur (YMN-RDQ-003) | 30.068276, 77.348271 | | 7 | 1700 |
| 3 | River Yamuna before meeting Dhanaura Escape upstream, Karnal (KRN-RDQ-001) | 29.733277/ 77.1277 | 352 | 7.6 | 1700 |
| 4 | River Yamuna after meeting Dhanaura Escape downstream, Karnal (KRN-RDQ-003) | 29.72592 and 77.13278 | 384 | 8 | 2000 |
| 5 | River Yamuna before meeting the discharge of Drain No. 2 at Vill. Sanjoli (PNP-RDQ-007) | | 664.4 | 4.6 | 2200 |
| 6 | River Yamuna after meeting the discharge of Drain No. 2 near Vill. Khojkipur. (PNP-RDQ-009) | 28.86158/ 77.206427 | 672.2 | 11 | 900 |
| 7 | River Yamuna before meeting Diversion Drain no. 8 (SNP-RDQ-002) | 28.884931, 77.147185 | 245 | 12 | 400 |
| 8 | River Yamuna after meeting Diversion Drain No. 8 at Palla (SNP-RDQ-004) | 28.379079/ 77.486982 | 258 | 4.8 | 1700 |
| 9 | Yamuna River upstream before Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-009) | 28.384703, 77.489578 | 371 | 45 | 27000 |
| 10 | Yamuna River downstream after meeting Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-011) | 28.372917, 77.487966 | 401 | 34 | 39400 |

| Sr. No. | Drains meeting with river Yamuna | latitude/ Longitude | Flow (in Cusecs) | BOD (mg/l) | F.Coli |
|---------|---|----------------------|------------------|------------|--------|
| 11 | River Yamuna D/S before Gaunchi Drain (PWL-RDQ-004) | 27.914783, 77.517323 | 355 | 25 | 28000 |
| 12 | River Yamuna D/S after Gaunchi Drain (PWL-RDQ-006) | 27.909736, 77.521114 | 395.50 | 24 | 48000 |

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

Ground water quality is being monitored at 52 locations in the catchment of river Yamuna by HSPCB. Out of total 52 locations, ground water is found fit for drinking at 42 locations and non complying at 10 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. The same has been compiled by the task forces.

| Sr. No. | Region | No. of Points monitored | Complying | Non-Complying |
|---------|---------------|-------------------------|-----------|---------------|
| 1 | Panipat | 9 | 6 | 3 |
| 2 | Faridabad | 8 | 8 | 0 |
| 3 | Ballabgarh | 6 | 2 | 4 |
| 4 | Palwal | 6 | 3 | 3 |
| 5 | Gurgaon South | 10 | 10 | 0 |
| 6 | Gurgaon North | 8 | 8 | 0 |
| 7 | Karnal | 5 | 5 | 0 |
| | Total | 52 | 42 | 10 |

XIV. Ground water regulation:

The industries are being persuaded to obtain permission from CGWA 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

Project was prepared under the guidelines of the scheme for "Incentivization Scheme for Bridging Irrigation Gap (ISBIG) of Ministry of water Resources, River Development and Ganga Rejuvenation, govt. of India" under components infrastructure for conveyance and additional treatment of municipal and industrial wastewater for augmenting water for the farm use "Project Under newly created Irrigation Efficiency in phasing during the financial year 2018-19 to 2020-2021 for amounting in Rs. 235.94 Crore only. 13 STPs with 157.60 capacity in the catchment of river

Yamuna are selected for the project.

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

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

XVI. Rain Water Harvesting:

Following steps are taken for rain water harvesting / conservation of water/avoid exploitation of ground water

XVII. 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.

XVIII. 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 and quantity of flow is as under:

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.

XIX. Plantation activities along the rivers:

River Ghaggar

Urban an 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 (upto Jan, 21) |
|---------|-------------|-------------------------------------|---------------------------------|--|
| 1 | Panchkula | 5000 | 7820 | 3993 |
| 2 | Ambala | 1500 | 3626 | 3344 |
| 3 | Pehowa | 0 | 0 | 0 |
| 4 | Naraingarh | 0 | 0 | 0 |
| 5 | Kurukshetra | 2000 | 3472 | 1870 |
| 6 | MTS Gulha | 0 | 0 | 0 |
| 7 | MTS Pundri | 0 | 0 | 0 |
| 8 | Kaithal | 1000 | 3160 | 1880 |
| | | 9500 | 18078 | 11087 |

Plantation done in catchment of River Ghaggar by Forest Department in 2018-2019 and 2019-2020.

| Detail of plantation in catchment areas of Ghaggar river | | | | |
|---|-----------------------------|----------------------|------------------------------------|----------------------|
| | Plantation 2018-2019 | | Plantation Target 2019-2020 | |
| District | Ha. | No. of plants | Ha. | No. of plants |
| Panchkula | 1117 | 8,31,000 | 404 | 4,81,000 |
| Fatehabad | 1519 | 11,41,000 | 855 | 7,20,000 |
| Sirsa | 863 | 8,81,000 | 624 | 5,27,000 |
| Total | 3499 | 2853000 | 1883 | 1728000 |

Action plan for plantation in 2020-2021

Forest Department has selected around 51 villages in the catchment areas of river Ghaggar and has proposed to plant around 2.5 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:-

| District | No of Villages | No. of Plants to be planted |
|------------------|-----------------------|------------------------------------|
| Panchkula | 30 | 71150 |
| Ambala | 2 | 43000 |
| Kaithal | 3 | 3650 |
| Fatehabad | 12 | 131930 |
| Sirsa | 4 | 9000 |
| Total | 51 | 258730 |

River Yamuna

Urban an 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 (upto Jan, 2021) |
|---------|----------------------|-------------------------------------|---------------------------------|--|
| 1 | Jagadhri / Yamunagar | 500 | 1178 | 1300 |
| 2 | Shahabad | 0 | 0 | 0 |
| 3 | Karnal | 5000 | 2810 | 4900 |
| 4 | Faridabad | 14300 | 22490 | 14900 |
| 5 | Palwal | 100 | 300 | 360 |
| 6 | Rojka Meo | 500 | 100 | 64 |
| | | 20400 | 26878 | 21524 |

Plantation done in catchment of river Yamuna by Forest Department in 2018-2019 and 2019-2020.

| District | Plantation 2018-2019 | | Plantation Target 2019-2020 | |
|--------------|----------------------|----------------|-----------------------------|----------------|
| | Ha. | No. of plants | Ha. | No. of plants |
| Yamuna Nagar | 977 | 10,67,000 | 898 | 9,20,000 |
| Karnal | 543 | 4,91,000 | 844 | 6,48,000 |
| Panipat | 599 | 5,41,000 | 540 | 4,46,000 |
| Sonipat | 646 | 5,06,000 | 612 | 4,99,000 |
| Faridabad | 527 | 3,62,000 | 940 | 7,44,000 |
| Palwal | 264 | 2,22,000 | 386 | 2,98,000 |
| Total | 3556 | 3189000 | 4220 | 3555000 |

Action plan for plantation in 2020-2021

Forest Department has selected around 87 villages in the catchment areas of river Yamuna and has proposed to plant around 4.8 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:-

| District | No of Villages | No. of Plants to be planted |
|--------------|----------------|-----------------------------|
| Yamuna Nagar | 27 | 222834 |
| Karnal | 13 | 111850 |
| Panipat | 9 | 65002 |
| Sonepat | 17 | 25700 |
| Faridabad | 5 | 17500 |
| Palwal | 16 | 36750 |
| Total | 87 | 479636 |

XX. Development of biodiversity park:

River Ghaggar

| District | Name | Areas in Acre. |
|-----------|-------------------------------|----------------|
| Panchkula | i) World Herbal Forest, Morni | 12500 |
| | ii) Kapoor Vatika at Mallah | 25 |

| District | Name | Areas in Acre. |
|--------------|---|----------------|
| | iii) Thapli Herbal Park at Village Thapli | 10 |
| | iv) Tikka-Tal Herbal Park | 20 |
| 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 | 10 |
| Palwal | | 0 |
| Total | | 253 |

XXI. Reuse of Treated Water:

The State has also prepared the action plan for reuse of treated sewage and same is submitted to CPCB. As per the action plan, approx 80% of treated sewage will be reutilized by 2024-2025.

Irrigation & Water Resources Department has formulated a project costing Rs. 500.00 crore for 35 STPs having capacity of 338.85 MLD for use of treated waste water for irrigation – Details of 35 STPs collected from I&WR attached as Annexure-6.

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

Both Ghaggar and Yamuna river stretches.

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

NA

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

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring.

Action by HSPCB

✓ Ghaggar

- No. of industries inspected

- 223

- No. of closure order issued against violating units - 205
- No. of violating units prosecuted - 43
- No. of violating units against whom EC imposed - 27
- Amount of EC Imposed - 3.55 Crore
- Charge sheet issued against 1 Environmental Engineer & 1 Assistant Environmental Engineer for failure for vigorous monitoring.

▪ **Yamuna**

- No. of industries inspected - 1011
- No. of closure order issued against violating units - 785
- No. of violating units prosecuted - 182
- No. of violating units against whom EC imposed - 112
- Amount of EC Imposed -30.91 Crore

Annexure-1

Status of existing STPs in the catchment of river Ghaggar

| Sr. No. | Name and Region of STPs | Existing STP and Capacity (MLD) | A/R No. and date | Latest Compliance Status |
|---------|---|---------------------------------|--------------------------|----------------------------------|
| 1 | 3.00 MLD STP Naya Gaon , Unit.I , Ambala City by PHED in January, 2011 | 3 | 709 dt. 30.03.2021 | Complying except Faecal Coliform |
| 2 | 3.25 MLD STP Naya Gaon , Unit.II Ambala City by PHED in 1.4.2016 | 3.25 | 744 dt. 07.04.2021 | Complying except Faecal Coliform |
| 3 | 5 MLD Baldev Nagar , Unit.I , Ambala City by PHED 1.12.2012 | 5 | 743 dt. 07.04.2021 | Complying except Faecal Coliform |
| 4 | 3.25 Baldev Nagar , Unit.II , Ambala City by PHED in 1.4.2016 | 3.25 | 705 dt. 30.03.2021 | Complying except Faecal Coliform |
| 5 | 5 MLD Moti Nagar, Unit.I , Ambala City by PHED in June 2010 | 5 | 745 dt. 07.04.2021 | Complying except Faecal Coliform |
| 6 | 5 MLD STP Moti Nagar , Unit.II , Ambala City by PHED Ambala in 1.8.2016 | 5 | 708 dt. 30.03.2021 | Complying except Faecal Coliform |
| 7 | 6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012 | 6 | 748 dt. 07.04.2021 | Complying except Faecal Coliform |
| 8 | 3.25 Nasirpur Ambala City by PHED in 31.9.2016 | 3.25 | 746 dt. 07.04.2021 | Complying except Faecal Coliform |
| 9 | 0.25 MLD Sadopur , Ambala PHED in 31.12.2016 | 0.25 | 706 dt. 30.03.2021 | Complying |
| 10 | 3.25 MLD Devi Nagar , Ambala City by PHED on 31.5.2013 | 3.25 | 707 dt. 30.03.2021 | Complying except Faecal Coliform |
| 11 | 3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014 | 3 | 729 dt. 02.04.2021 | Complying except Faecal Coliform |
| 12 | 25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019 | 25 | 670 dt. 25.03.2021 | Complying except Faecal Coliform |
| 13 | 8 MLD STP Model Town , Pehowa Kurukshetra by PHED in May dt. 2015 | 8 | 669 dt. 25.03.2021 | Complying except Faecal Coliform |
| 14 | 11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016 | 11.5 | 673 dt. 25.03.2021 | Complying except Faecal Coliform |
| 15 | 4.5 MLD Kalka Panchkula by PHED in 30.3.2015 | 4.5 | 603 dt. 24.03.2021 | Complying except Faecal Coliform |
| 16 | 0.25 MLD Kalka Panchkula by PHED in 28.5. 2017 | 0.25 | 600 dt. 24.03.2021 | Complying except Faecal Coliform |
| 17 | 5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015 | 5 | 604 dt. 24.03.2021 | Complying |
| 18 | 15 MLD STP by PHED Jind in Jan, 2009 | 15 | 1301-1302 dt. 22.02.2021 | Complying except Faecal Coliform |
| 19 | 3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011 | 3.5 | 1489-1490 dt. 26.03.2021 | Complying except Faecal Coliform |
| 20 | 3.75 MLD STP Narwana Jind by PHED in Jan , 2011 | 3.75 | 1491-1492 dt. | Complying except Faecal Coliform |

| Sr. No. | Name and Region of STPs | Existing STP and Capacity (MLD) | A/R No. and date | Latest Compliance Status |
|---------|---|---------------------------------|--------------------------|----------------------------------|
| | | | 26.03.2021 | |
| 21 | 02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017) | 2 | 1493-1494 dt. 26.03.2021 | Complying except Faecal Coliform |
| 22 | 2 MLD STP Uchana Jind by PHED in 22.2.2012 | 2 | 1487-1488 dt. 26.03.2021 | Complying except Faecal Coliform |
| 23 | 1.5 MLD Uchana by PHED in 31.5.2013 | 1.5 | 1497-1498 dt. 26.03.2021 | Complying except Faecal Coliform |
| 24 | 5 MLD STP Jind by PHED in 1.4.2016 | 5 | 1485-1486 dt. 25.03.2021 | Complying except Faecal Coliform |
| 25 | 7 MLD STP, Jind by PHED in 30.11.2019 | 7 | 1483-1484 dt. 25.03.2021 | Complying except Faecal Coliform |
| 26 | 9 MLD STP Safidon , Jind by PHED in 31.05.2018 | 9 | 1520-1521 dt. 31.03.2021 | Complying except Faecal Coliform |
| 27 | 10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013 | 10 | 1522-1523 dt. 31.03.2021 | Complying except Faecal Coliform |
| 28 | 10 MLD STP , Jind Road Kaithal by PHED in September , 2012 | 10 | 1423-1424 dt. 16.03.2021 | Complying except Faecal Coliform |
| 29 | 10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR) | 10 | 1421-1422 dt. 16.03.2021 | Complying except Faecal Coliform |
| 30 | 10 MLD Manas Road,Kaithal bby PHED in Sep , 2012 (SBR) | 10 | 1419-1420 dt. 16.03.2021 | Complying except Faecal Coliform |
| 31 | 5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014 | 5 | 1526-1527 dt. 31.03.2021 | Complying except Faecal Coliform |
| 32 | 3.5 Pundri Kaithal by PHED in 4.7.2014 | 3.5 | 1524-1525 dt. 31.03.2021 | Complying except Faecal Coliform |
| 33 | 15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014 | 15 | 1427-1428 dt. 17.03.2021 | Complying except Faecal Coliform |
| 34 | 40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017 | 40 | 1429-1430 dt. 17.03.2021 | Complying except Faecal Coliform |
| 35 | 4 MLD STP Narnaund, Hisar by PHED | 4 | 1417-1418 dt. 15.03.2021 | Complying except Faecal Coliform |
| 36 | 4 MLD STP Kaimri Road, Hisar by PHED in 2018 | 4 | 1536-1537 dt. 02.04.2021 | Non-Complying |
| 37 | 15 MLD STP, Shamsabad patti , Kalaria Road, Sirsa by PHED in 1.7.2012 | 15 | 1435-1436 dt. 17.03.2021 | Complying except Faecal Coliform |
| 38 | 5 MLD STP ,Vill. Nattar 1 , Sirsa by | 5 | 1431-1432 dt. | Complying except |

| Sr. No. | Name and Region of STPs | Existing STP and Capacity (MLD) | A/R No. and date | Latest Compliance Status |
|---------|--|---------------------------------|-----------------------------|-------------------------------------|
| | PHED in 1.5.2013 | | 17.03.2021 | Faecal Coliform |
| 39 | 5 MLD STP , Vill. Nattar 2 , Sirsa by PHED in 14.09.17 | 5 | 1433-1434 dt. 17.03.2021 | Complying except Faecal Coliform |
| 40 | 7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015 | 7.5 | 1447-1448 dt. 18.03.2021 | Complying except Faecal Coliform |
| 41 | 9.5 MLD STP, Daddu Road,Kalanwali , Sirsa by PHED in 17.02.2018 | 9.5 | 1445-1446 dt. 18.03.2021 | Complying except Faecal Coliform |
| 42 | 6 MLD STP Rania Sirsa by PHED in 30.6.2017 | 6 | 1502-1503 dt. 26.03.2021 | Complying except Faecal Coliform |
| 43 | 16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017 | 16.5 | 1449-1450 dt. 18.03.2021 | Complying except Faecal Coliform |
| 44 | 20 MLD STP at Kelnia Sirsa by PHED | 20 | 1500-1501 dt. 26.03.2021 | Complying except Faecal Coliform |
| 45 | 10 MLD STP Vill. Bhodia Khera, Bhattu Road,Fatehabad by PHED in 1.4.2013 | 10 | 1463-1464 dt. 19.03.2021 | Non-Complying |
| 46 | 10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013 | 10 | 1465-1466 dt. 24.03.2021 | Complying except Faecal Coliform |
| 47 | 6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014 | 6.5 | 1467-1468 dt. 24.03.2021 | Complying except Faecal Coliform |
| 48 | 5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018 | 5 | 1461-1462 dt. 19.03.2021 | Complying except Faecal Coliform |
| 49 | 3 MLD STPJhakkhal Mandi, Fatehabad by PHED in 30.9.2019 | 3 | 1469-1470 dt. 24.03.2021 | Complying except Faecal Coliform |
| | HSVP | | | |
| 1 | 2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015 | 2 | 480 dt. 08.03.2021 | Complying except Faecal Coliform |
| 2 | 18 MLD STP Panchkula by HUDA in 31.12.2002 | 18 | 601 dt. 24.03.2021 | Complying except Faecal Coliform |
| 3 | 39 MLD STP Panchkula by HUDA in Nov. 2011 | 39 | 602 dt. 24.03.2021 | Complying |
| 4 | 15 MLD STP Sector- 28, Panchkula by HUDA in 2012 | 15 | 484 dt. 12.03.2021 | Complying |
| 5 | 10 MLD by HUDA Jind in 27.12.2014 | 10 | 1495-1496 dt. 26.03.2021 | Complying except Faecal Coliform |
| 6 | 7.5 MLD Kaithal by HUDA in 31.8.2016 | 7.5 | 1425-1426 dt. 16.03.2021 | Complying except Faecal Coliform |
| 7 | 15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014 | 15 | 1534-1535 dt. | Complying except Faecal Coliform |

| Sr. No. | Name and Region of STPs | Existing STP and Capacity (MLD) | A/R No. and date | Latest Compliance Status |
|---------|--|---------------------------------|--------------------------|----------------------------------|
| | | | 02.04.2021 | |
| 8 | 10 MLD STP Majra, Fatehabad by HUDA in 16.12.17 | 10 | 1459-1460 dt. 19.03.2021 | Non- Complying |
| 9 | 15 MLD STP Kurukshetra by HSVP | 15 | 671 dt. 25.03.2021 | Complying except Faecal Coliform |
| | Garrison Engineer | | | |
| 1 | 9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012 | 9 | 599 dt. 24.03.2021 | Complying except Faecal Coliform |
| | Total No. of STPs- 59 | | | |
| | Grand Total Capacity- 514.25 | 514.25 | | |

Annexure-2

Status of existing STPs in the catchment of river Yamuna

| Sr. No. | Name of the STP | Capacity | A/R No. and Date | Latest compliance status |
|---------|---|----------|-----------------------------|-------------------------------------|
| 1 | Radaur Road, Yamuna Nagar by PHED | 20 | 753 dt. 09.04.2021 | Complying |
| 2 | Radaur Road, Yamuna Nagar by PHED | 25 | 751 dt. 09.04.2021 | Complying |
| 3 | Baddimajra, Yamuna Nagar by PHED* | 10 | 752 dt. 09.04.2021 | Complying |
| 4 | Parwaloo, Jagadhri Yamuna Nagar by PHED | 24 | 754 dt. 09.04.2021 | Complying |
| 5 | Chhachhrauli Yamuna Nagar by PHED | 3 | 755 dt. 09.04.2021 | Complying |
| 6 | Radaur Yamuna Nagar by PHED | 3.5 | 756 dt. 09.04.2021 | Complying |
| 7 | Indri Road, Ladwa Kurukshetra by PHED | 7 | 672 dt. 25.03.2021 | Complying except Faecal Coliform |
| 8 | Indri, Karnal by PHED* | 4 | 4538 dt. 16.12.2020 | Complying except Faecal Coliform |
| 9 | Nilokheri, Karnal by PHED | 6 | 570 dt. 16.03.2021 | Complying except Faecal Coliform |
| 10 | Nissing Karnal by PHED | 4 | 721 dt. 31.03.2021 | Complying except Faecal Coliform |
| 11 | Tarori Karnal by PHED | 5.5 | 571 dt. 16.03.2021 | Complying except Faecal Coliform |
| 12 | Gharaunda, Karnal by PHED | 7 | 652 dt. 24.03.2021 | Complying |
| 13 | Sewah, Panipat by PHED | 35 | 737 dt. 07.04.2021 | Non Complying (10 BOD) |
| 14 | Sewah, Panipat Panipat by PHED | 25 | 738 dt. 07.04.2021 | Non Complying (10 BOD) |
| 15 | Jattal Road, Panipat by PHED | 20 | 741 dt. 07.04.2021 | Non Complying (10 BOD) |
| 16 | Jattal Road, Panipat by PHED | 10 | 742 dt. 07.04.2021 | Non Complying (10 BOD) |
| 17 | Samalkha by PHED | 5 | 734 dt. 07.04.2021 | Complying except Faecal Coliform |
| 18 | Kharkhoda Sonapat by PHED | 4.5 | 451 dt. 05.03.2021 | Complying except Faecal Coliform |
| 19 | Ganaur Sonapat | 7 | 658 dt. 25.03.2021 | Complying except Faecal Coliform |
| 20 | Gohana Sonapat by PHED | 3 | 656 dt. 25.03.2021 | Complying except Faecal Coliform |
| 21 | Gohana Sonapat by PHED | 8.3 | 657 dt. 25.03.2021 | Complying except Faecal Coliform |
| 22 | PGI Rohtak by PHED | 19.5 | 1510-1511 dt. 31.03.2021 | Complying except Faecal Coliform |

| Sr. No. | Name of the STP | Capacity | A/R No. and Date | Latest compliance status |
|---------|------------------------------------|----------|--------------------------|----------------------------------|
| 23 | Sonaria, Rohtak by PHED | 40 | 1320-1321 dt. 22.02.2021 | Non Complying (30 BOD) |
| 24 | Kalanaur Rohtak by PHED | 3.5 | 1514-1515 dt. 31.03.2021 | Complying except Faecal Coliform |
| 25 | Meham Rohtak by PHED | 5 | 1512-1513 dt. 31.03.2021 | Complying except Faecal Coliform |
| 26 | Singhpura, Rohtak by PHED | 14 | 1508-1509 dt. 31.03.2021 | Complying except Faecal Coliform |
| 27 | Sampla Rohtak by PHED | 4 | 1383-1384 dt. 08.03.2021 | Non Complying |
| 28 | Jhajjar by PHED | 5 | 1479-1480 dt. 25.03.2021 | Complying except Faecal Coliform |
| 29 | Jhajjar by PHED | 5.5 | 1481-1482 dt. 25.03.2021 | Complying except Faecal Coliform |
| 30 | Beri Jhajjar by PHED | 2 | 1313-1314 dt. 22.02.2021 | Complying except Faecal Coliform |
| 31 | Line Par, Bahadurgarh by PHED | 18 | 1415-1416 dt. 12.03.2021 | Non Complying |
| 32 | Najafgarh road Bahadurgarh by PHED | 36 | 1381-1382 dt. 08.03.2021 | Non Complying (10 BOD) |
| 33 | Tarou by PHED | 4.5 | 6 dt. 09.04.2021 | Complying except Faecal Coliform |
| 34 | Punhana by PHED | 4.5 | 9 dt. 09.04.2021 | Complying except Faecal Coliform |
| 35 | Nuh by PHED | 3.6 | 8 dt. 09.04.2021 | Complying except Faecal Coliform |
| 36 | Ferozpur Jhirka by PHED | 5 | 7 dt. 09.04.2021 | Complying except Faecal Coliform |
| 37 | Hassanpur by PHED | 3 | 3 dt. 09.04.2021 | Non Complying (10 BOD) |
| 38 | Hathin by PHED | 4.5 | 4 dt. 09.04.2021 | Complying except Faecal Coliform |
| 39 | Hodal by PHED | 9 | 5 dt. 09.04.2021 | Non Complying (10 BOD) |
| 40 | Palwal by PHED | 9 | 546 dt. 10.03.2021 | Complying except Faecal Coliform |
| 41 | Gogharipur Road, Karnal by ULB | 10 | 503 dt. 12.03.2021 | Complying |
| 42 | RK Puram, Karnal by ULB | 8 | 501 dt. 12.03.2021 | Complying except Faecal Coliform |
| 43 | Transport Nagar, Karnal by ULB* | 50 | 502 dt. 12.03.2021 | Complying except Faecal Coliform |
| 44 | Shiv Colony, Karnal, by ULB | 8 | 9 dt. 14.01.2021 | Complying except Faecal Coliform |

| Sr. No. | Name of the STP | Capacity | A/R No. and Date | Latest compliance status |
|---------|--|---------------|---|----------------------------------|
| 45 | Rathdana Road, Sonapat by ULB | 30 | 3775 dt. 22.09.2020 | Complying except Faecal Coliform |
| 46 | Kakroi Road, Sonapat by ULB | 25 | 3774 dt. 22.09.2020 | Complying except Faecal Coliform |
| 47 | Singhpura, Rohtak by ULB* | 10 | TP has been inspected on 25.07.2020 and found under maintenance, the effluent is being treated through 14 MLD STP installed in the same premises. | |
| 48 | Badshahpur, Faridabad by ULB | 45 | 553 dt. 16.03.2021 | Non-complying |
| 49 | Sec-19, Panipat by HSVP | 30 | 459 dt. 05.03.2021 | Complying except Faecal Coliform |
| 50 | Sec-6, Panipat by HSVP | 0.8 | 458 dt. 05.03.2021 | Complying except Faecal Coliform |
| 51 | Rajiv Gandhi Edu. City, Phase-I, Sonapat by HSVP | 7.5 | 470 dt. 05.03.2021 | Complying |
| 52 | Sec-25, Rohtak by HSVP | 10 | 1319 dt. 22.02.2021 | Non-complying |
| 53 | Sec-36, Bahadurgarh by HSVP | 10 | 1391-1392 dt. 08.03.2021 | Complying |
| 54 | Dhanwapur, Gurgaon by GMDA | 50 | 2075-2076 dt. 12.03.2021 | Complying |
| 55 | Dhanwapur, Gurgaon by GMDA | 68 | 2077-2078 dt. 15.03.2021 | Complying except Faecal Coliform |
| 56 | Behrampur, Gurgaon by GMDA | 120 | 2090-2091 dt. 17.03.2021 | Complying except Faecal Coliform |
| 57 | Behrampur, Gurgaon by GMDA | 50 | 2093-2094 dt. 17.03.2021 | Complying except Faecal Coliform |
| 58 | Dhanwapur, Gurgaon by GMDA | 100 | 2079-2080 dt. 15.03.2021 | Non Complying (10 BOD) |
| | Total | 1064.7 | | |

Annexure-3

13 Clusters of ISWM in river catchment

| Sr. No | Name of Clusters | Name of ULBs within Cluster | Estimated Waste Quantity (TPD) | Remarks |
|--------|----------------------------|--|--------------------------------|--|
| 1 | Gurugram-Faridabad | Gurugram and Faridabad | 1500 | Works has been awarded and work is likely to be completed by December 2022. |
| 2 | Sonepat-Panipat | Sonepat, Panipat, Samalkha and Gannaur. | 500 | Work in progress and likely to be completed by April, 2021. |
| 3 | Ambala-Yamunanagar | Ambala, Naraingarh, Yamuna Nagar, Radaur, Barara, Sadhura | 675 | Haryana was divided into 14 clusters for setting up integrated solid waste management plant in the state. But in some places, the distance of the plant from the place of dumping site is not available due to the lack of a site, the technology of the plant, etc., the project could not be successfully allotted, hence, keeping these issues / facts in mind, restructuring the clusters and integrated solid waste management Keeping the technology free of the plant, the proposal has been approved in the meeting of Committee of Secretaries on Infrastructure (CoSI). Now the department has restructured the clusters and kept the Bidders free to choose any technology for the processing of waste. The same proposal was kept before the COSI for consideration in the meeting dated 08.07.2020 and the same was recommended by them for approval to the Sub-Cabinet Committee on Infrastructure (CCI) for approval being PPP Projects. In the meeting of CCI held on 21.10.2020 under the chairmanship of Hon'ble CM, the Committee agreed and approved the recommendations of COSI in the meeting dated 08.07.2020 and decided that the ULB department will go ahead and call the tenders for the 4 clusters in the first phase with the |
| 4 | Karnal-Kaithal-Kurukshetra | Indri, Nilokheri Tarori, Karnal Gharaunda, Nissing, Assandh, Thanesar, Shahbad, Ladwa, Kaithal, Kalayat, Rajound, Cheeka, Pundri | 590 | |
| 5 | Rohtak-Bahadurgarh-Jhajjar | Kalanaur, Meham, Rohtak, Gohana, Bahadurgarh, Kharkhoda, Julana, Jhajjar, Sampla, Beri | 601 | |
| 6 | Hisar-Fatehabad | Hisar, Barwala, Hansi, Siwani, Fatehabad, Bhuna, Uklana Mandi, Ratia, Tohana, Jhaka Mandi | 407 | |
| 7 | Panchkula | Panchkula | 155 | |
| 8 | Bhiwani | Bhiwani, Bawanikhera, Charkhi Dadri | 181 | |

| Sr. No | Name of Clusters | Name of ULBs within Cluster | Estimated Waste Quantity (TPD) | Remarks |
|--------|------------------|---|--------------------------------|---|
| | | | | existing project area in the RFP and |
| 9 | Jind | Jind, Narwana, Safidon, Uchana, Narnaund, Sisai, Bass | 168 | Simultaneously invite the tenders for the same 4 clusters by adding/including the Panchayats of the districts under the project area. After getting the response of the Bidders and the tipping fees, either of 2 bids will be selected by the Department of ULB for grant of concession as per efficiency, economy and viability. In compliance of the directions issued in the meeting of CCI on 24.11.2020 a meeting under the chairmanship of ACS, ULB was convened with PS Development and Panchayat Department in which PS DP was requested to submit the proposal consisting of details of Panchayats, land parcels for secondary collection from group of village etc. which is proposed to be incorporated in the existing project areas of the ISWM Clusters of ULB Department. After receipt of the same details the RFP documents shall be prepared and tenders will be invited for the clusters of First Phase as per the directions of CCI. |
| 10 | Sirsa | Sirsa, Rania, Ellenabad, Kalanwali, MandiDabwali | 146 | |
| 11 | Rewari | Bawal, Dharuhera, Rewari, Mahendergarh, Kanina | 466 | |
| 12 | Punhana | Punhana, F/Jhirka, Hathin, Hodal, Palwal, Sohna, Nuh, Tauru | 215 | |
| 13 | Farukhnagar | Farukh Nagar, HailyMandi, Pataudi | 26 | |
| | | Total | 5630 | |

Annexure-4

Details of Dump Site

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|-------------|---|------------------------|-----------------------------|------------------------|--|--|
| 1 | Hisar | Opp. Village Dhandoor | 13.32 | 4.01 | 1.3 | 9 years | |
| 2 | Gurugram | Village Bandhwari Gurgaon Faridabad Road | 30 | Approx 40.00 | 27.5 (approx) | 2008 onwards | Bandhwari dumpsite was established and operated by MC Faridabad through its contractor i.e AKC Developers and operated till 2014. further in year 2017 M/s Ecogreen was enagaged for collection, transportation of MSW for MCG & MCF)Faridabad & Gurugram Cluser) and possession of bandwari site is with them since 2019 |
| 3 | Ambala city | VPO Patvi, Teh. Naraingarh | 14 | height-6 Mtr Depth-4 Mtr | 6 | | |
| 4 | Panipat | Near Village Nimbri, Distt. Panipat | 8 | 2 | 5 | 2014 | - |
| 5 | Sirsa | Village Bakirawali SWM Plant | 13 | 11 | 4 | 14 Years | |
| 6 | Panchkula | Nera IT Park Sector-23 Panchkula | 10.5 | 4 | 3.96 | 14 Year's (2004 onwards dumping started) | |
| 7 | Rohtak | Near SWM plant, Drain No. 8,Bhiwani Road, Village | 10 | 4 | 3.95 | 2010 | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|----------------------|---|------------------------|---|------------------------|---|---------------------------|
| | | Sunarian, Rohtak Ward NO. 22 | | | | | |
| 8 | Bahadurgarh | Naya Gaon, Badli Road | 7.2 | 3 | 3.2 | Since 2004 | |
| 9 | Yamunanagar-Jagadhri | Kail Kachra Plant | 12 | 2.5 | 1.76 Approx | 21.12.2012 to 14.12.2013 (Plant is not working from 14.12.2013 to till date.) | - |
| 10 | Jind | Near Delhi Ferozpur Railway Line | 18.12 | 2.13 | 1 | 1996 | |
| 11 | Shahabad (M). | Village Kalyana | 0.48 | 4.9 | 0.11 | 19.12.2018 | Land on lease basis. |
| 12 | Narnaul | Raghunathpura | 16 | 15 | 0.59 | Since 2001 | |
| 13 | Safidon | Near Assandh By Pass back of New Grain Market Safidon | 0.06 | 0.9 | 0.006 | Since Sep-2019 | |
| 14 | Ratia | Jakhal Dadi Road | 4 | 1 | 0.11 | 2017 | area covered 30 % |
| 15 | Rania | Balasar Raod, Back Side Nirankari Bhawan, Ward No. 02, Rania. | 3.3 | 2.1 | 0.14 | Year 2018 | 10 Feet Depth of the Site |
| 16 | Rajound | Gas Agency Road, Ward 03 Rajound | 0.14 | 1 | 0.002 | 43718 | - |
| 17 | Radaur | SK Road Radaur | 1 | - | 0.003 | 09.02.2016 | - |
| 18 | Palwal | Meghpur Village | 1.48 | Height= 1.25 Mtr. Depth=2.10 Mtr. Total= 3.35 Mtr. | 0.12 | Year 2017 | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|------------------|--|------------------------|-------------------|------------------------|---|---|
| 19 | Nilokheri | Kali Mata Mandir Road | 2 | 2.33 | 0.18 | Approximately 8-10 Year | |
| 20 | Nangal Chaudhary | Near Krishnawati River Nangal Chaudhary | 0.7 | 0.9 | 0.015 | Since 2013 | - |
| 21 | Meham | Hisar Bye Pass, Meham | 1.48 | 3.25 | 0.087 | 2013 | |
| 22 | Ladwa | On Babain Road | 6.26 | 1.5 | 0.001 | 43800 | - |
| | Kanina | Pipla Wali Bani (Gahra Road) | 25 | 1.5 | 0.068 | 2010 | |
| 23 | Kanina | Manka Wali Bani (Sihor Road) | 8 | 1.5 | 0.034 | 2009 | |
| 24 | Julana | Near Hadwara Julana | 1 | 6 | 0.05 | 25.11.2019 | - |
| 25 | Faridabad | Bandhwari Dumpsite is Common Dumpsite for MCG and MCF. | | | | | |
| 26 | Gharaunda | Begampur | 1.19 | 10 | 0.23 | Oct. 2019 | |
| 27 | Ferozpur Jhirka | Doodh Ghati | 1 | NIL | 0.2 | 2006 | - |
| 28 | Fatehabad | Bighar Road, Village Matana, Fatehabad | 1.5 | 2 | 0.46 | 2014 | |
| 29 | Farrukh Nagar | Chand Nagar Road, Ward no. 11, Farrukhnagar | 3.73 | 1.22 | 0.11 | Last 10 years | Presently stay by Hon'ble Court as this dumping site |
| | | | 0.18 | 1.83 | 0.082 | Last 6 month | Used as Temporary dumping site due to stay at main dumping site on Chand Nagar Road, Ward No. 11, Farrukhnagar. |
| 30 | Ellenbad | Temporary Dumpsite in Hudda R-3 | 2.25 | 2.43 | 0.12 | From Last 2 Years | - |
| 31 | Assandh | Near Kanchi gate | 1.38 | 4.57 | 0.15 | Since 2004 | - |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks | |
|---------|---------------|---|------------------------|--|------------------------|---|------------|--|
| | | Kaithal road Assandh | | | | | | |
| 32 | Charkhi Dadri | Rania Wala Johar, Near Bhiwani Rohtak Bye pass | 4 | 3 | 0.26 | Year 2006 | | |
| 33 | Gohana | Vilalge Thaska | 4.7 | 5.5 | 0.42 | 2011 | | |
| 34 | Haily Mandi | Near Mirzapur Road, W. No. 7 Haily Mandi | 2.49 | 2.43 | 0.00028 | 11.03.2020 | | |
| 35 | Indri | Indri Bypass Road | 1.2 | 1 | 0.03 | 5-8 Years | | |
| 36 | Kaithal | Khurana Road | 5 | 2.43 | 0.8 | 41426 | | |
| 37 | Kharkhoda | Sampla Road Bye pass | 2 | 1.22 | 0.24 | Approx 25 Years | | |
| 38 | Narnaund | Near Shanshan Ghat W. No. 4 | 1.4 | 1 | 0.028 | 2001 | | |
| 39 | Nuh | Jogipur Road, Nuh town, Near Vijay Gas Agency | 3.7 | NIL | 0.16 | 2011 | | |
| 40 | Pataudi | Ward No. 10 Moti Dungri | 2 | 2.85 | 0.11 | Approximately frrom year 2000 | - | |
| 41 | Pehowa | KKR Road | 2 | 0.5 | 0.008 | Since 2018 | | |
| 42 | Rewari | Ramsinghpura Bawal | 12 | Varies from average1.22 mtr to average3.20 mtr | | 0.6 | Since 2005 | |
| 43 | Bawal | There is common dumpsite for MC Rewari, MC Bawal, MC Dharuhera. | | | | | | |
| 44 | Dharuhera | There is common dumpsite for MC Rewari, MC Bawal, MC Dharuhera. | | | | | | |
| 45 | Sohna | Old Delhi Alwar Road | 5 | 2.00-2.25 | 0.51 | 2010 | | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks | |
|---------|------------|--|--|-------------------|------------------------|---|---|--|
| | | BehindNirankari College Sohna | | | | | | |
| 46 | Taraori | Nadana road near electricity power house M.C Taraori | 0.22 | 3.5 | 0.0315 | Approx 8-10 Years | | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.11 | 3.5 | 0.0157 | Approx 8-10 Years | | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.19 | 3.5 | 0.02625 | Approx 8-10 Years | | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.15 | 1 | 0.006 | Approx 8-10 Years | | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.33 | 4 | 0.054 | Approx 8-10 Years | | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.08 | 3.5 | 0.0126 | | | |
| | 47 | Nissing | Near Mata Sundri Khalsa Girls College Karnal- Kaithal Road | 2 | 3 | 0.15 | This Dumpsite is under operation since the time of Gram Panchayat nissing | Municipal Nissing was constituted in the year 2010, but this dumpsite is in operation from the time of gram panchayat. |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks | |
|---------|--------------|--|------------------------|--------------------|------------------------|---|---|--|
| 48 | Hodal | Gadhi Mod, Hodal | 2 | 1 | 0.04 | | | |
| 49 | Siwani | Tosham Road | 2.3 | 1.2 | 0.07 | SINCE LAST 7-8 YEARS | | |
| 50 | Tauru | Burakha Pahadi | 1 | 3.5 | 0.35 | 2009 | | |
| 51 | Ganaur | Badshahi Road, Near Telephone Exchange, Ganaur. | 4.4 | 4.5 | 0.25 | 18 YEARS APPROX. | | |
| 52 | Kalanwali | Dadu Road, Ward No. 10 | 2 | below ground level | 0.0328 | 30 years. | | |
| 53 | Mahendergarh | Dohan Nadi | 4 | 1.5 | 0.12138 | since 4 years | | |
| 54 | Narwana | | 2 | 4.5 | Not estimated | since 1987 | | |
| 55 | Hathin | | NA | NA | NIL | NA | There is no permanent landfill site in MC Hathin. | |
| 56 | Jakhal Mandi | Balran Road | 0.55 | 7 | 0.00015 | 20.01.2020 | | |
| 57 | Jhajjar | Village Utlongha Distt. Jhajjar | 8.6 | 1.5 | 0.01818 | since 2017 | | |
| 58 | Karnal | Village Sekhpura, Karnal | 8 | 6 | 0.714 | 41944 | | |
| 59 | Sadaura | Kala Amb Road Near ITI | 2.5 | - | - | | | |
| 60 | Naraingarh | There is no dumpsite in MC, Naraingarh. All the Solid waste, garbage of MC Naraingarh is transported to Patvi dumpsite of Ambala City. | | | | | | |
| 61 | Ambala sadar | There is no dumpsite in MC, Ambala sadar. All the Solid waste, garbage of MC Ambala Sadar is transported to Patvi dumpsite of Ambala City. | | | | | | |
| 62 | Pundri | Near kakaut Road | 1 | NIL | 0.0002 | 27.03.2020 | | |
| 63 | Sampla | MC, Sampla sent all solid waste to SWM Plant Rohtak. | | | | | | |
| 64 | Kalanaur | MC, Kalanaur sent all solid waste to SWM Plant Rohtak. | | | | | | |
| 65 | Kundli | On Narela Road | 1 | below ground level | 0.00008 | 42095 | | |
| 66 | Bhiwani | Dadri Road, Bhiwani | 10 | 2.00-3.00 | 0.22403 | Since the existence of | | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|---------------|--|------------------------|-------------------------------|------------------------|---|---------|
| | | | | | | MC. | |
| 67 | Hansi | Near biid Farm | 2 | 5 feet height and 5 feet deep | | | |
| 68 | Ismailabad | pehowa-ismailabad-ambala link road opposite reliance petrol pump | 1 | -- | 0.005 | since 2008 | |
| 69 | Samalkha | Garhi Chhaju | 0.22 | 4.95 | 0.28239 | 27.02.2008 | |
| 70 | Tohana | Baba Buta shah Basti | 1 | 3 mtr deep from the ground | 0.1 | 2019 | |
| 71 | Thanesar | village bazidpur near pipli zoo | 4 | 1.91 | 0.008 | 2019 | |
| 72 | Mandi Dabwali | Near Rambagh | 8 | 4.26 Av. | 0.30684 | 2008 (12 Years) | |
| 73 | Bass | New Committee | | | 0.003 | | |
| 74 | Sisai | New Committee | | | 0.003 | | |
| 75 | Bhuna | Kula road, Bhuna | 1.5 | 2 | 0.1 | 2012 | |
| 76 | cheeka | Khrodi Road | 1.5 | 4 | 0.392 | 2012 | |
| 77 | Uchana | Kheri Masaniya Road, Near kabristan, uchana Kalan | 0.4 | 8 | 0.0578 | 06.01.2020 | |
| 78 | Barara | Near sajan Majri Road | 7 | 2.43 | 0.08737 | since 2016 | |
| 79 | Loharu | Pilani Road, Loharu | 2 | 1.22 | 0.002 | 2006 | |
| 80 | Kalayat | Kapil Muni Road, Ward No. 8 near shamshanghat, Kalayat | 1.5 | 2.31 | 0.12 | Jan, 2005 | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|--------------|--|------------------------|-------------------|------------------------|---|---------|
| 81 | Bawani Khera | Hansi-bhiwani main Road | 4 | 1.22 | 0.009 | from last 5 years | |
| 82 | Beri | Kabulpur road, near shiv dhamBeri. | 0.5 | 0.25 | 0.006 | Jan-20 | |
| | | Beri Jhajgarh road near bhagalpuri chock Beri. | 1 | 1 | 0.05475 | Till March 18 | |
| 83 | Sonepat | Murthal bye pass (Near DCRUST University) | 5 | 0 | 0.5 | Since 2017 | |
| 84 | Punhana | Mandikhera, Jamalgarg Road | 0.5 | 0 | 0.2 | Since 2009 | |
| 85 | Ateli Mandi | Village Khor | 1 | 1 | 0.01942 | 2018 | |
| 86 | Barwala | Kharkhra Road, Barwala | 1.75 | 1.2 | 0.0052 | Since 2018 | |
| 87 | Uklana Mandi | Theh Uklana | 2 | 1.2 | 0.006 | Since 2017 | |

Annexure-5

Details on Captive TSDF(s)

Period: 2019-20

Name of SPCB/PCC:- HSPCB

| Sr. No | Name and address of the Captive Facility | Type of facility (Landfillable/ 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 | 1464.5 | 0 | 15964.5 | 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 | -- | 4.62 | -- | 50.62 |
| 4 | M/s Marino panel Products Ltd., vpo rohad, Jhajjar | Incinerable | 15 | Nil | Nil | 85.6 | Nil | Nil |

Annexure-12

MI Project under NABARD (1st Phase)

| Sr. No | Name and Address of STP | Deptt. | Capacity (MLD) | Flow of Inlet (In MLD) | Treated Effluent (In MLD) | Quantum of Treated effluent being reused (In MLD) | Mode of reuse (Irrigation / horticulture /Industrial use / any other) | CCA (Hectares) | App. Cost (CCA in ha*2.10 lacs) otherwise actual | Status |
|--------|--------------------------------|------------|----------------|------------------------|---------------------------|---|---|----------------|---|--|
| 1. | Barara SBR Technology Ambala | PHED (SBR) | 6.00 | To be filled by PHED | 4.00 | 2.00 | Irrigation | 207+155=362 | 986.83 | Hearing completed. AA submitted to Govt. Likely Date of Start-01.09. 2021 Likely Date of Completion-31.12.2022 |
| 2. | Naraingarh - MBBR Ambala | PHED (MBR) | 5.00 | To be filled by PHED | 3.00 | 1.40-1.70 | Irrigation | | Hearing completed AA submitted to Govt. Likely Date of Start-01.09. 2021 Likely Date of Completion-31.12.2022 | |
| 3. | Hisar Lalpura Road Hansi -MBBR | PHED | 7.50 | To be filled by PHED | 7.50 | 6.00 | Irrigation | 372 | 781.20 | Hearing completed AA under preparation Likely Date of Start-15.09.2021 Likely Date of Completion-31.12.2022 |
| 4. | Narnaund - Hisar | PHED | 4.00 | To be filled by PHED | 4.00 | 2.00 | Irrigation | 198 | 415.80 | Hearing completed AA under preparation Likely Date of Start-15.09.2021 Likely Date of Completion-31.12.2022 |

| | | | | | | | | | | |
|-----|--|------|-------|----------------------|-------|------|------------|------------------|---------|---|
| 5. | Gulha Cheeka SBR Kaithal | PHED | 10.00 | To be filled by PHED | 8.00 | 4.00 | Irrigation | 794 | 1667.40 | Hearing completed AA under preparation Likely Date of Start- 15.09.2021 Likely Date of Completion- 31.01.2023 |
| 6. | Jind Road, Kaithal KTL drain SBR-Kaithal | PHED | 10.00 | To be filled by PHED | 8.00 | 4.00 | Irrigation | | | Hearing completed AA under preparation Likely Date of Start- 15.09.2021 Likely Date of Completion- 31.01.2023 |
| 7. | Majra, - MBBR Fatehabad | PHED | 10.00 | To be filled by PHED | 10.00 | 7.50 | Irrigation | 496 | 1041.60 | Hearing completed. AA case received from SE and under process of sending to Govt Likely Date of Start- 15.09.2021 Likely Date of Completion- 31.12.2022 |
| 8. | Village Amani, Tohana - MBBR Fatehabad | PHED | 10.00 | To be filled by PHED | 10.00 | 7.50 | Irrigation | 496 | 1079.32 | AA accorded by Govt. Estimate under preparation Likely Date of Start- 01.06.2021 Likely Date of Completion- 31.07.2022 |
| 9. | Jakhal-SBR Fatehabad | PHED | 3.00 | To be filled by PHED | 3.00 | 2.25 | Irrigation | 149 | 343.59 | AA received from Govt. Estimate under preparation Likely Date of Start- 01.06.2021 Likely Date of Completion- 31.07.2022 |
| 10. | Ratia - MBBR Fatehabad | PHED | 6.50 | To be filled by PHED | 6.50 | 4.88 | Irrigation | 323 | 739.42 | AA received from Govt. Estimate under preparation Likely Date of Start- 01.6.2021 Likely Date of Completion- 31.07.2022 |
| 11. | Kalka - MBBR Panchkula | PHED | 4.75 | To be filled by PHED | 4.75 | 3.25 | Irrigation | 250+250 = 500 | 1518.00 | Hearing completed AA submitted to Govt. Likely Date of Start- 01.09.2021 |

| | | | | | | | | | | |
|-----|--|------|----------------------------|-------------------------|-------|---------------|------------|----------------|-----------------|---|
| | | | | | | | | | | Likely Date of Completion- 31.12.2022 |
| 12. | Nalagarh Road , Manakpur, Pinjore - MBBR Panchkula | PHED | 5.00 | To be filled by PHED | 5.00 | 1.50- 2.00 | Irrigation | | | Hearing completed AA submitted to Govt. Likely Date of Start- 01.09.2021 Likely Date of Completion- 31.12.2022 |
| 13. | Shamsabad patti, Kalaria Road ,Sirsa SBR | PHED | 15.00 +20.00 = 35.00 | To be filled by PHED | - | 35.00 | Irrigation | 1737 | 3647.00 | Consent not being provided by farmers. Rishi Nagar 40 MLD STP has been considered against this. AA case submitted to Govt and approval awaited. 25 MLD will be available for irrigation. Cost =Rs. 5394.18 lacs CCA- 2569- Case of AA under process Likely Date of Start- 01.09.2021 Likely Date of Completion- 31.08.2023 |
| 14. | STP Jind - MBBR Jind | PHED | 15.00 | To be filled by PHED | 15.00 | - | Irrigation | 992 | 2083.20 | Hearing under process Likely Date of Start- 15.10.2021 Likely Date of Completion- 31.03.2023 |
| 15 | STP Narwana MBBR Jind | PHED | 5.00 | To be filled by PHED | 5.00 | 3.75 | Irrigation | | | Hearing completed More than 80% Farmers not agree. Efforts still on. Otherwise to be scrapped |
| | Total | | 136.75 | | | | | 7251.00 | 16050.54 | |