

Office of the Deputy Commissioner, Amritsar

To

The Director,
Directorate of Environment and Climate Change (DECC),
Department of Science Technology & Environment, Govt. of Punjab.
MGSIPA, Sector-26,
Chandigarh 160019

No. 3512

Dated. 18-11-2021

Sub: - District Environment Management Plan of District Amritsar.

It is intimated that the revised District Environment Plan for District Amritsar covering all 7 thematic areas, was earlier sent to your office. Thereafter, the NGT monitoring committee has pointed out some observations during meeting taken with the Additional Deputy Commissioner (Urban Development), Amritsar and the Environmental Engineer, Punjab Pollution Control Board, Regional Office, Amritsar on 09.11.2021. The necessary amendments have been incorporated in the District Environment Plan after obtaining the data from stakeholder departments.

As such, the amended / updated District Environment Plan for District Amritsar, Punjab is sent herewith for your information and further necessary action please.

DA/As Above

**Deputy Commissioner,
Amritsar.**

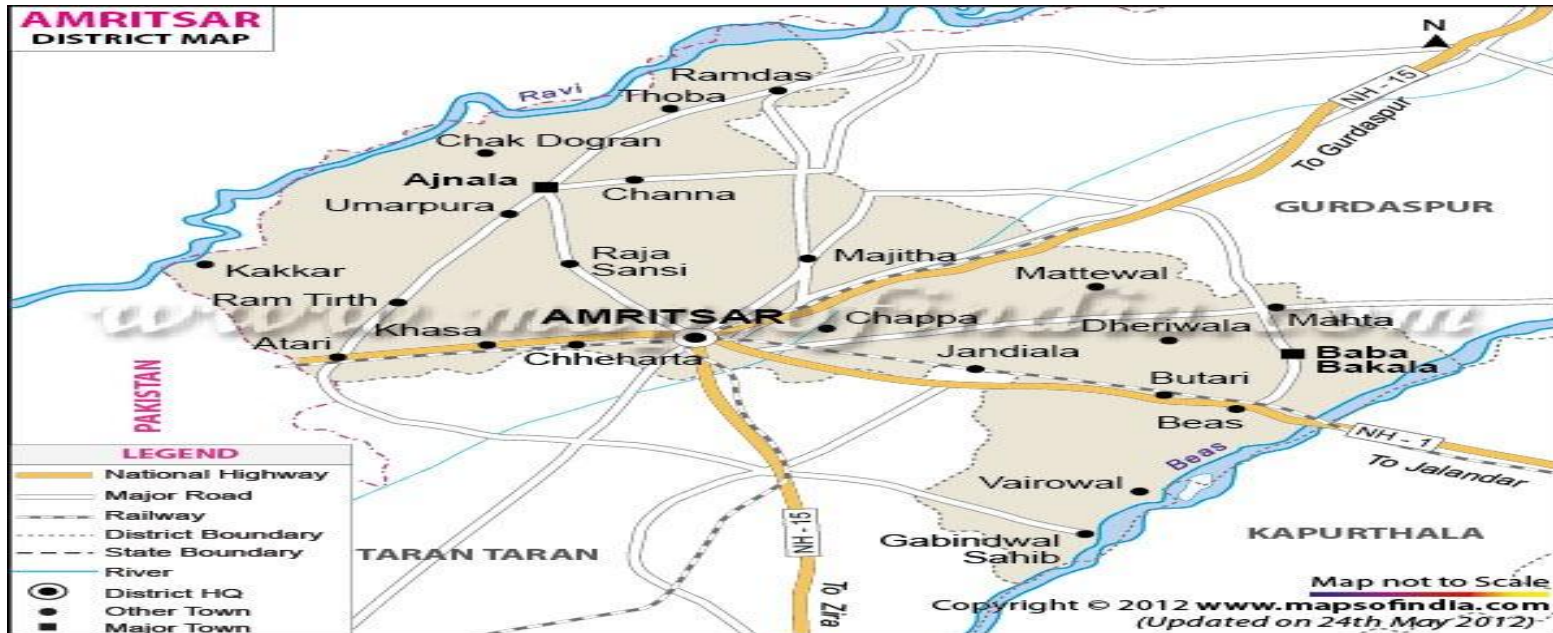
Endst. No. 3513

Date: 18 / 11 / 2021

A copy of the above is forwarded to the Member Secretary, Punjab Pollution Control Board, Head Office, Patiala for kind information.

**Deputy Commissioner,
Amritsar.**

District Environment Plan-Amritsar



District Administration - Amritsar

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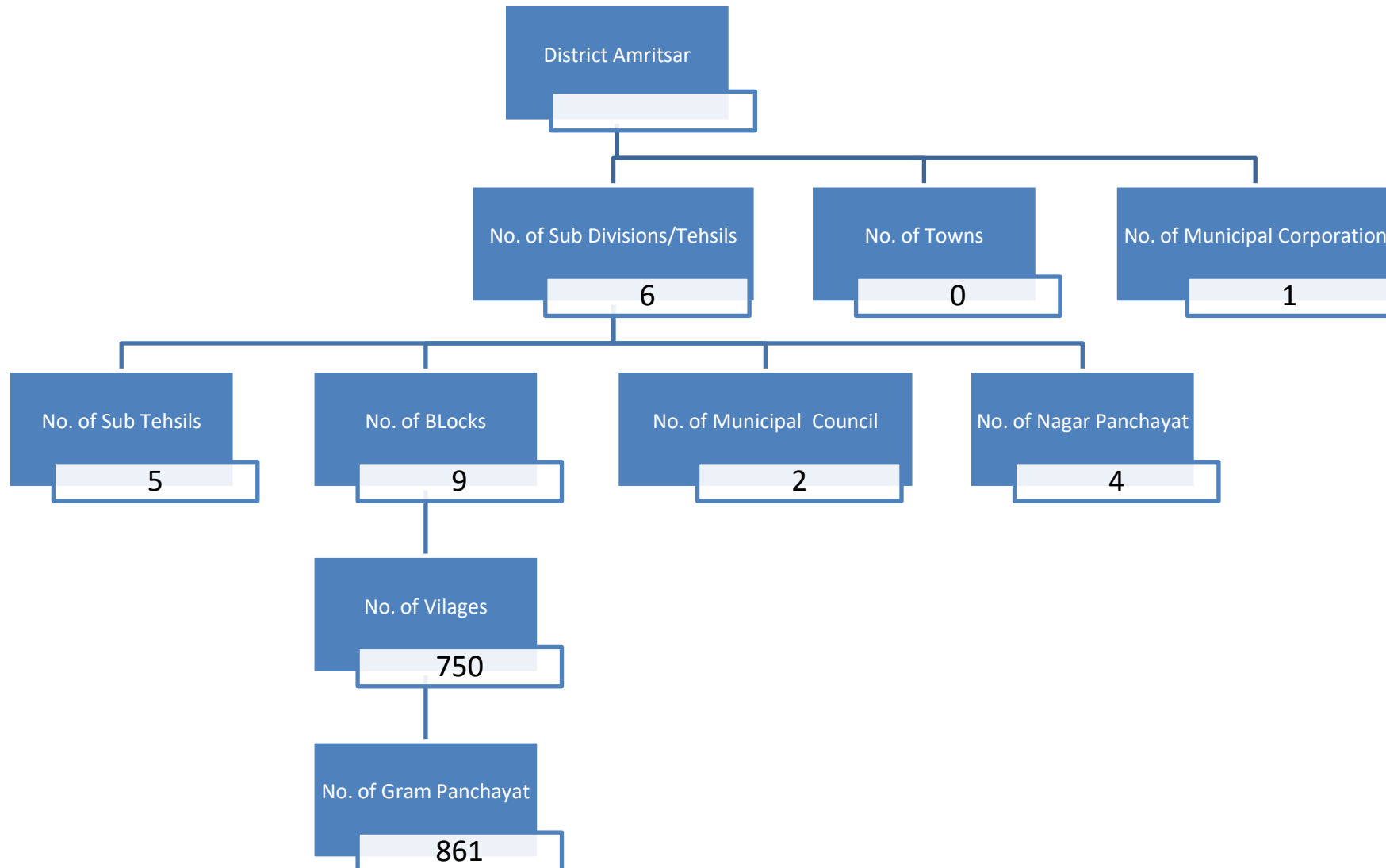
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1. DISTRICT PROFILE

Amritsar is an important city of the State. It is a major commercial, cultural and transportation centre. It is also the centre of Sikhism and the site of the Sikh's principal place of worship. Amritsar, the city of Golden Temple symbolizes the spiritual heritage of Punjab. The epic stories of Golden Temple and Jallianwala-Bagh have given a unique place to this dynamic city in the history of the nation.

Amritsar is a district headquarters. The city is situated 217 km northwest of state capital Chandigarh and 455 km northwest of New Delhi, the national capital. It is near Pakistan, with the Wagah Border being only 28 km away. The City is spread in an area of 170 sqm. According to the 2011 census, the population of Amritsar was 11,32,761 persons.

(i) District Administrative Set-up



(ii) Local institutions

In District Amritsar, there are total 06 Sub-Divisions/Tehsils & 01 Municipal Corporation. There are 05 Sub-Tehsil, 09 Blocks, 02 Municipal Council and 04 Nagar Panchayat. There are total 750 Villages in the District & have 861 Gram Panchayats.

(iii) Natural Resources

- Water bodies

Amritsar district falls in between Ravi River and Beas River. Ravi river flows in north west of the district and forms international border with Pakistan. Beas River flows in the eastern part of the district.

There is one main drain namely Tung Dhab Drain passing through Amritsar which carries storm water, domestic effluent, discharge of dairies and industrial discharge. The details of Tung Dhab Drain is as under:-

- **Tung Dhab Drain**

The Tung Dhab Drain originates from Village- Talwandi Bharat, District- Gurdaspur. The total length of this drain is about 38 Kms.

| Sr. No. | Description | Longitude | Latitude |
|---------|---|--------------|--------------|
| 1. | Drain enters Amritsar city at Village Pandori Lubana | 31°40'24.5"N | 74°55'11.3"E |
| 2. | Conference point with Hudiara Drain | 31°39'47.5"N | 74°43'42.9"E |
| 3. | Hudiara Drain leaving Indian territory at Pakistan Border | 31°29'47.4"N | 74°35'4.89"E |

The drain enters the Amritsar city at village- Pandori Lubana and after traversing 10 Km distance it joins the Hudiara Drain. The drain carries waste water discharged by Municipal Corporation, Amritsar through its 02 nos. disposal points located at Batala Road, Opposite AS Farms & Majitha Road, Near ESI Hospital and the residential areas / villages falls outside the MC limits of

Amritsar at FatehgarhChurian Road and Majitha Road. The untreated effluent from dairies located at stretch Dera Baba Darshan Singh to Majitha Road is also discharged into the drain. The drain also carries the treated effluent of industries located on Verka Road, Batala Road, Majitha Road, and Ajnala Road. Tung Dhab Drain has its outfall into Hudiara Drain which ultimately enters Pakistan Territory.

Sources Of Pollution in Tung Dhab Drain.

Industrial Source

There are 43 nos. water polluting industries including large hospitals and Pharma Formulation located in the catchment area of Tung Dhab drain, out of which 05 nos. industries have been closed down by the Board due to non-installation of ETP and status of remaining 38 nos. industries is mentioned below:-

| S. No. | Name of Cluster | No. of Industries | Type of Industries | Total discharge of cluster in KLD | Mode of disposal |
|--------------|-----------------------|-------------------|--|-----------------------------------|---|
| 1. | Ajnala Road | 02 | Textile Dyeing | 1740 | Into sewer leading to drain |
| 2. | FatehgarhChurian Road | 05 | Pulp & Paper - 1 Milk Processing – 1 Textile Dyeing – 1 Provisional Store – 1 Pharma – 1 | 10456 | Drain - 1 Plantation - 3 MC sewer leading to STP – 1 |
| 3. | Majitha Road | 21 | Textile Dyeing - 16 Large hospitals – 3 Pharma - 2 | 10770 | Drain - 9 Plantation - 9 MC sewer leading to drain - 2 ZLD - 1 |
| 4. | Batala Road | 08 | Textile Dyeing – 7 Milk processing - 1 | 4113 | MC sewer leading to drain – 5 MC sewer leading to STP – 1 Drain – 1 Plantation – 1 |
| 5. | Vallah Bye-pass Road | 02 | Textile Dyeing | 900 | Plantation – 1 Private sewer leading to drain – 1 |
| Total | | 38 | | | 27979 KLD or 27.98 MLD |

The following industries have been added as identified in the catchment area apart from 25 nos. industries as earlier reported which are in operational as per record:-

| Sr. No. | Name & Address of the industry | Type of Industry | Discharge (in KLD) | Mode of disposal | ETP/STP Status |
|------------------------|---|----------------------------|--------------------|--------------------------------|---------------------------------------|
| 1. | International hospital limited (formerly known as escorts heart & Super-Speciality Institute Ltd.), Majitha- Verka bye pass, Amritsar | 175 bedded HCF | 55 | Plantation | Provided |
| 2. | Guru Nanak Dev Hospital Complex, Guru Nanak Dev Hospital, Majitha Road, Amritsar | 891 bedded HCF | 360 | Into MC sewer leading to drain | Not Provided and Action under process |
| 3. | ESI Hospital, Majitha road Amritsar | 125 bedded HCF | 50 | Into MC sewer leading to drain | Not Provided and Action under process |
| 4. | Kwality Pharmaceuticals Ltd., 6th Mile Stone, Vill: Nag Kalan, Majitha Road, Amritsar | Pharmaceutical Formulation | 5 | Plantation | Provided |
| 5. | Shree Dhanwantri Herbals, Vill. Nag Kalan, Majitha Road, Amritsar | Ayurvedic Medicine | 4 | Plantation | Provided |
| 6. | Paras Industries, Silver Estate, Majitha Road, Bye Pass Road, Amritsar | Textile Dyeing | 58 | Plantation | Provided |
| 7. | Jackson laboratories Pvt. Ltd., Majitha Road Bye Pass, Amritsar | Pharmaceutical Formulation | 10 | Plantation | Provided |
| 8. | Metro Cash & Carry India Pvt. Limited, Hadbast No. 282, Vill. Rekshikargah, Amritsar | Provisional Store | 10 | Plantation | Provided |
| 9. | Om Milk Foods, Village- Nangli, FatehgarhChurian Road, Amritsar | Milk Processing | 15 | Plantation | Provided |
| 10. | The Amritsar Distt. Co-Op Milk Producers Union Ltd, Batala Road, Milk Plant Verka, Amritsar | Milk Processing | 357 | Plantation | Provided |
| 11. | Surya Industries, Vallah, Bye Pass, Amritsar. | Textile Dyeing | 100 | Plantation | Provided |
| 12. | Shree Radha Raman Processors (P) Ltd, FatehgarhChurian Road, Amritsar | Textile Dyeing | 145 | Into MC Sewer leading to STP | Provided |
| 13. | Cosmos Sanjay Weaving Mills (P) Ltd, Kashmir Road, Verka, Amritsar | Textile Dyeing | 410 | MC Sewer leading to STP | Provided |
| Total Discharge | | | 1579 KLD | | |

There are 43 (25+13+05) nos. industries operating in the catchment area of Tung Dhab drain, out of which 21 nos. industries are discharging their effluent into drain (11 directly and 10 through sewer), 14 nos. industries having discharge onto land for plantation, 02 nos. industries having discharge into sewer leading to STP and remaining 01 no. industry has adopted ZLD technology. 05 industries have been closed down by the Board u/s 33-A of Water Act, 1974. The Total discharge at the catchment area of Tung Dhab drain is 27.98 MLD out of which 25.54 MLD is into Tung Dhab drain.

Dairies

There are 107 dairies falling in the catchment area of Tung Dhab drain which are discharging their waste water and solid waste in drain @ 0.5 MLD and 59 TPD respectively.

Waste water from disposals of Municipal Corporation and Villages

There are 02 disposals of Municipal Corporation, Amritsar which are yet to be connected with STP (North) of Municipal Corporation at Village Gaunsabad, Ram Tirath Road, Distt. Amritsar. The above said 02 outlets are situated at opp. A.S. Farm, Batala Road, Amritsar and Near ESI Hospital, Majitha Road, Amritsar. There are certain villages like Nag Kalan, Pandori Waraich, Pandori Lubana etc. are also discharging their domestic effluent into drain.

Hudiara Drain

This drain is one of the main tributaries of River ravi. The total length of Hudiara drain is 98.6 and 44.2 km in Indian territory and 54.4 in Pakistan territory.

• **Availability of water resources**

Central Ground Water Authority has been constituted under Section 3 (3) of the Environmental (Protection) Act, 1986 to regulate and control development and management of ground water resources in the country.

The annual replenish able ground water resources availability plays an important role in defining the guidelines. The latest assessment of the state wise ground water resources is available at the Central Ground Water Board web site (www.cgwb.gov.in). As per the latest data available on the CGWB website, following blocks of Distt Amritsar has been notified for control and regulation in Ground Water:-

| Sr. No. | Place/block/Mandal/Taluka | Date of Notification |
|---------|---------------------------|----------------------|
| 1. | Ajnala | 27.11.2012 |

• **Forest coverage**

There are 14 open Forest and 12 Moderate dense forest in Amritsar. There is one vary dense forest exists in Distt. Amritsar. Only 1.01 % of total gross area of Distt. Amritsar is covered under forest.

| Sr. no. | Category of area | Ownership | Area in Ha |
|---|-----------------------------|--------------------------------------|-----------------|
| 1. | Reserve Forests | Govt., of Punjab / Forest Department | 254.96 |
| 2. | Protected Forest | Govt., of Punjab / Forest Department | 2999.84 |
| 3. | Air Force Station | Govt., of Punjab / Govt., of India | 400.00 |
| 4. | Un-classed Forest | Govt., of Punjab / Forest Department | 1758.05 |
| Total Block Forest | | | 5412.85 |
| Strips Forest (Protected Forest) | | | |
| 5. | Road Strips (P.F) | Govt., of Punjab / Forest Department | 1043.50 |
| 6. | Railway Strips (P.F) | Govt., of Punjab / Forest Department | 633.00 |
| 7. | Canal Strips (P.F.) | Govt., of Punjab / Forest Department | 2304.52 |
| 8. | Drain & Dhussi Bands (P.F.) | Govt., of Punjab / Forest Department | 1254.00 |
| Total Strips Forest (Protected Forest) | | | 5235.02 |
| Total Forest Area | | | 10647.87 |

(iv) Geography & Demography

| Sr.No. | Title | DistrictAmritsar | PunjabState |
|--------|---|------------------|-------------|
| 1. | Area (Sq Km) | 2683 | 50,362 |
| 2. | Population (in Lakh) | 24.90 | 277.04 |
| 3. | Rural Population (in Lakh) | 11.56 | 173.2 |
| 4. | Urban Population (In Lakh) | 13.34 | 103.84 |
| 5. | % Increase in Population (2001-2011) Decennial Growth rate | 1.45 | 13.55 |
| 6. | Density of Population (per Sq km) | 930 | 550 |
| 7. | Literacy % | 76.27 | 76.7 |
| 8. | Sex Ratio (Females per thousand) | 889 | 893 |

The total area of District Amritsar is 2683km² having population 24.90 lakhs. The rural population of District Amritsar is 11.56 lakh and urban population of District Amritsar is 13.34 Lakh. The literacy rate of District Amritsar is 76.27.

(v) Land-use pattern

| Sr . No. | Title | Data of District Amritsar (2020-21) |
|----------|--|-------------------------------------|
| 1. | Total Geographical Area (in Sq km) | 2683 |
| 2. | Area under Forest (in Ha) | 8785.382 |
| 3. | Net Area Sown (In Ha) | 449 |
| 4. | Gross Cropped Area (in Ha) | 805 |
| 5. | Total Area irrigated (in Ha) | 449 |
| 6. | % of Net Area irrigated to Total area sown | 89% |

The total Geographical Area of District Amritsar is 2683km². The Net area sown & irrigated is 449hectare. The gross cropped area is 805hectareof District Amritsar. The total reserved forest area of district Amritsar is 8785.382 hectare.

(vi) Climate

Divided into four seasons, the climate remains at an extreme during summers and winters. Winter season in Amritsar is from November to March. The months between April and June face hot air which also leads to a lot of humidity in the city. Monsoons calm the heat from July onwards till September, which is then followed by post monsoons which lasts just till the beginning of November. June remains one of the hottest months in Amritsar where the climate is very dry with temperatures going up to 40 degrees. The humidity too remains high in the mornings and starts diminishing towards evening. But all in all the hot waves make it uneasy. Amritsar on average seems roughly 703.4 millimeters (27.69 in) of precipitation annually. The yearly data of climate of district Amritsar is as under:-

| Climate data for Amritsar District | | | | | | | | | | | | | |
|------------------------------------|------|------|------|------|------|------|-------|-------|------|------|------|------|-------|
| Month | Jan | Feb | Mar | Apr | May | Jun | July | Aug | Sep | Oct | Nov | Dec | Year |
| Record high °C | 26.8 | 32.2 | 36.2 | 44.1 | 47.7 | 47.8 | 45.6 | 40.7 | 40.6 | 38.3 | 34.2 | 28.5 | 47.8 |
| Mean maximum °C | 23 | 26.1 | 32 | 40.5 | 44 | 44.1 | 39.8 | 37.1 | 36.8 | 35.5 | 30.5 | 24.9 | 45.2 |
| Average high °C | 18.4 | 21.7 | 26.8 | 34.2 | 39 | 39 | 35 | 34.2 | 34.1 | 32 | 27.1 | 21.1 | 30.2 |
| Average low °C | 3.4 | 6.3 | 10.9 | 16.1 | 21.3 | 24.3 | 25.3 | 24.9 | 22.1 | 15.4 | 8.7 | 4.1 | 15.2 |
| Mean minimum °C | -0.5 | 1.7 | 5.6 | 10.2 | 15.8 | 19.6 | 21.7 | 21.4 | 17.8 | 10.7 | 4.2 | 0.1 | -1.2 |
| Record low °C | -2.9 | -2.6 | 2 | 6.4 | 9.6 | 15.6 | 18.2 | 18.8 | 13 | 7.3 | -0.6 | -3.6 | -3.6 |
| Average rainfall mm | 26.2 | 38.6 | 38.4 | 21.4 | 26.7 | 61.2 | 210.1 | 167.3 | 77.5 | 16.1 | 6.3 | 13.6 | 703.4 |
| Average rainy days | 2.1 | 3.3 | 3.2 | 2 | 2.4 | 3.8 | 8.6 | 6.9 | 3.5 | 1.1 | 0.6 | 1.4 | 38.9 |
| Average relative humidity (%) | 74 | 70 | 64 | 47 | 38 | 48 | 72 | 77 | 69 | 67 | 73 | 76 | 65 |

*Source: India Meteorological Department

ACTION PLAN

2. WASTE MANAGEMENT PLAN

(i) Solid Waste Management

(a) Current status related to solid Waste management

| Sr. No. | Urban Local bodies | No of Wards | No of Households | Population | Solid Waste Generated (MTperday) |
|---------|---------------------------------|-------------|------------------|----------------|----------------------------------|
| 1. | Municipal Corporation, Amritsar | 85 | 245000 | 1382617 | 425 |
| 2. | Nagar Panchayat, Ajnala | 15 | 3395 | 25000 | 7.0 |
| 3. | Municipal Council, Majitha | 13 | 2633 | 15000 | 5.5 |
| 4. | Nagar Panchayat, Ramdass | 11 | 1286 | 6970 | 2.0 |
| 5. | Nagar Panchayat, Rayya | 13 | 2485 | 14581 | 2.0 |
| 6. | Municipal Council, Jandiala | 15 | 6500 | 30000 | 10.5 |
| 7. | Nagar Panchayat, Rajasansi | 13 | 2764 | 14698 | 4.5 |
| | Total | 165 | 264063 | 1488866 | 456.5 |

| Sr. No. | Local Bodies | No of Village Panchayats /Blocks | No of Households | Population | Solid Waste Generated per day (MT) |
|---------|---------------------------|----------------------------------|------------------|------------|------------------------------------|
| 1. | No of Villages Panchayats | 861 | 250895 | 1219151 | 376.34 |

(b) Identification of gaps and Acton plan:

| Sr. No. | Action points For villages /blocks/town municipalities / City corporations | Identification of gap | Action Plan | Responsible agencies | Timeline for completion of action plan |
|-----------|--|--|---|--|---|
| 1. | Segregation | | | | |
| I. | Municipal Corporation Amritsar | M/s Amritsar MSW Ltd was doing approximate 100 % of door to door collection. | Not Required | M/s Amritsar MSW Ltd and Municipal Corporation, Amritsar | Activity Completed |
| II. | Nagar Panchayat, Ajnala | 60 % segregation achieved. | Awareness is continuously being done to achieve 100% source segregation | EO, NP, Ajnala | 31.12.2021 |
| III. | Municipal Council, Majitha | 40 % segregation achieved. | Awareness is continuously being done to achieve 100% source segregation | EO, MC, Majitha | 31.12.2021 |
| IV. | Nagar Panchayat, Ramdass | 60 % segregation achieved. | Awareness is continuously being done to achieve 100% source segregation | EO, NP, Ramdass | 31.12.2021 |
| V. | Nagar Panchayat, Rayya | 30 % segregation achieved. | Awareness is continuously being done to achieve 100% source segregation | EO, NP, Rayya | 31.12.2021 |
| VI. | Municipal Council, Jandiala | 80 % segregation achieved. | Awareness is continuously being done to achieve 100% source segregation | EO, MC, Jandiala | 31.12.2021 |
| VII. | Nagar Panchayat, Rajasansi | 100 % segregation achieved, No gap | Not Required | EO, NP, Rajasansi | Activity Completed |
| VIII. | Villages Panchayat (861) | Not being done in maximum villages. | Preparation of action plan = 31.03.2022 | DDPO | Starting date 30.06.2022 Implementation – 30.06.2025 |

| | | | | | |
|-------------|--|---|---|---|---|
| 2. | Sweeping | | | | |
| (i) | Manual Sweeping | | | | |
| I. | Municipal Corporation Amritsar | Manual sweeping done in all areas and roads of MC, Amritsar on daily basis. | MC, Amritsar doing road sweeping in all areas of MC, Amritsar and in some areas twice a day (near Golden Temple) | MCA | Regular activity and is being complied with. |
| II. | Nagar Panchayat, Ajnala | 100% sweeping being done, no gap | NA | EO, NP, Ajnala | Regular activity and is being complied with. |
| III. | Municipal Council, Majitha | 100% sweeping being done, no gap | NA | EO, MC, Majitha | Regular activity and is being complied with. |
| IV. | Nagar Panchayat, Ramdass | 100% sweeping being done, no gap | NA | EO, NP, Ramdass | Regular activity and is being complied with. |
| V. | Nagar Panchayat, Rayya | 100% sweeping being done, no gap | NA | EO, NP, Rayya | Regular activity and is being complied with. |
| VI. | Municipal Council, Jandiala | 100% sweeping being done, no gap | NA | EO, MC, Jandiala | Regular activity and is being complied with. |
| VII. | Nagar Panchayat, Rajasansi | 100% sweeping being done, no gap | NA | EO, NP, Rajasansi | Regular activity and is being complied with. |
| VIII. | Villages Panchayat (861) | 10% sweeping being done. 90% road is not Covered. | More manpower is being deployed and preparation of action plan by 31.03.2022 | DDPO | Starting date 30.06.2022 Implementation – 30.06.2025 |
| (ii) | Mechanical Road and Sweeping Collection | Roads are being mechanically cleaned with 6 nos. road sweeping machines. | 3 more sweeping machines are required & proposed for purchase. | Municipal Corporation, Amritsar | 31-12-2021 |
| 3 | Waste Collection | | | | |
| (i) | 100% collection of solid waste | <ul style="list-style-type: none"> • MCA =No gap • MCs & NPs = no gap | At Present Door to door collection is being done by M/s Amritsar MSW Ltd, for strengthen the door to door collection MC, Amritsar and its concessionaires have sufficient & adequate number of vehicles with separate | MCA and Department of Urban Development | Achieved |

| | | | | | |
|------|---|---|---|--|--|
| | | <ul style="list-style-type: none"> • Villages Arrangements are to be provided in villages panchayats (861) = Not adequate arrangements | <p>compartments. 254 Tata ACE Mini tippers, 22 Compactors 32 Twin Bin Hopper Tippers, 9 Hopper Bin Lifters & 8 Refuse Compactor. 254 Tata ACE Mini tippers, 32 Twin Bin Hopper Tippers and 9 Hopper Bin Lifters. Villages Panchayats (861) =</p> | | <p>Villages Panchayats (861) =</p> <ul style="list-style-type: none"> • Time target and for arranging remaining vehicles. = 31.10.2026 |
| (ii) | Arrangement for door to door collection | <ul style="list-style-type: none"> • Municipal Corporation, Amritsar = 05 dumper places, 12 Tippers, 235 Mini Tippers & 18 Compactors • Municipal Council Majitha = 10 Tricycles • Municipal Council Jandiala = 15 Tricycles • Nagar Panchayat Ajnala= 15 Tricycles • Nagar Panchayat Ramdass = 08 Tricycles • Nagar Panchayat Rayya = 13 Tricycles • Nagar Panchayat Rajasansi = 13 Tricycles • Arrangement for Villages Panchayats (861) = Not adequate | <p>Not Required for all ULBs as 100% targeted achieved</p> <p>Villages Panchayats (861) = Preparation of action plan by 31.03.2022</p> | | <p>Activity Completed</p> <p>Villages Panchayats (861) = Starting date 30.06.2022 Implementation – 30.06.2025</p> |

| | | | | | |
|-------|---|---|--|--|---|
| (iii) | Waste Collection trolleys with separate Compartments | <ul style="list-style-type: none"> • Municipal Corporation, Amritsar = 25 Tractor Trolleys, • Municipal Council Majitha = 01 Tractor Trolley • Municipal Council Jandiala = 03 Tractor Trolleys • Nagar Panchayat Ajnala= 02 Tractor Trolleys • Nagar Panchayat Ramdass = 01 Tractor Trolley • Nagar Panchayat Rayya = 02 Tractor Trolleys • Nagar Panchayat Rajasansi = 02 Tractor Trolleys • Villages Panchayats (861) = Yet to be provided | | | Activity Completed |
| (iv) | Mini Collection Trucks with separate compartments | <ul style="list-style-type: none"> • MCA = Not Adequate • Remaining 06 ULBs = adequate • Villages Panchayats (861) = Not adequate | Villages Panchayats (861) = Preparation of action plan by 31.03.2022 | Villages Panchayats (861) = Preparation of action plan by 31.03.2022 | Villages Panchayats (861) = Starting date 30.06.2022 Implementation – 30.06.2025 |
| (v) | Waste Deposition centers (WDC) (for domestic hazardous wastes) | | | | |
| I. | Municipal Corporation Amritsar | Required = 1 Installed = 1 | Not Required | MCA | Activity Completed |
| II. | Nagar Panchayat, Ajnala | Required = 1 Installed = 1 | Not Required | EO, NP, Ajnala | Activity Completed |
| III. | Municipal Council, Majitha | Required = 1 Installed = 1 | Not Required | EO, MC, Majitha | Activity Completed |
| IV. | Nagar Panchayat, Ramdass | Required = 1 Installed = 1 | Not Required | EO, NP, Ramdass | Activity Completed |

| | | | | | |
|----------|-----------------------------------|---|---|--|---|
| V. | Nagar Panchayat, Rayya | Required = 1 Installed = 1 | Not Required | EO, NP, Rayya | Activity Completed |
| VI. | Municipal Council, Jandiala | Required = 1 Installed = 1 | Not Required | EO, MC, Jandiala | Activity Completed |
| VII. | Nagar Panchayat, Rajasansi | Required = 1 Installed = 1 | Not Required | EO, NP, Rajasansi | Activity Completed |
| VIII. | Villages Panchayat (861) | Required = 861 Installed = 861 | Preparation of action plan by 31.03.2022 | DDPO & XEN Panchayati Raj | Starting date 30.06.2022 Implementation – 30.06.2025 |
| 4 | Waste Transport | | | | |
| (i) | Review existing Infrastructure | (i) Existing fleet is Adequate in MCA& all MCs (ii) Segregated Waste transport Possible in MCA and all MCs/NPs. | Yes Yes | MC Amritsar and Amritsar Improvement Trust, all MCs/NPs | Activity Completed |
| (ii) | Bulk Waste Trucks | Adequate in MCA and all ULBs | Not applicable | MCA and all MCs/NPs | Activity Completed |
| (iii) | Waste Transfer points | <ul style="list-style-type: none"> • Municipal Corporation, Amritsar = 20 • Municipal Council Majitha = 05 • Municipal Council Jandiala = 05 • Nagar Panchayat Ajnala= 05 • Nagar Panchayat Ramdass = 05 • Nagar Panchayat Rayya = 05 • Nagar Panchayat Rajasansi = 05 | Not Required | MCA and all MCs/NPs | Activity Completed |

| 5 | Waste Treatment and Disposal | | | | |
|------|---|---|---|---------------------|--------------------|
| (i) | Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules). | <ul style="list-style-type: none"> • Municipal Corporation, Amritsar = 27 BWGs • Municipal Council Majitha = NIL • Municipal Council Jandiala = NIL • Nagar Panchayat Ajnala= NIL • Nagar Panchayat Ramdass = NIL • Nagar Panchayat Rayya = 01 BWG • Nagar Panchayat Rajasansi = NIL | Bulk waste generators are directed to ensure compliance. | MCA and all MCs/NPs | 30/06/2022 |
| (ii) | Wet-waste Management: Facilities for central Bio-methanation/ Composting of wets waste. | | | | |
| I. | Municipal Corporation Amritsar | Constructed 67 Required 67 | No Gap | MCA | Activity Completed |
| II. | Nagar Panchayat, Ajnala | Constructed 32 Required 32 | No Gap | EO, NP, Ajnala | Activity Completed |
| III. | Municipal Council, Majitha | Constructed 22 Required 09 | MC, Majitha has proposed to provide adequate no. of pits within time line. | EO, MC, Majitha | 30.06.2022 |
| IV. | Nagar Panchayat, Ramdass | Constructed 13 Required 13 | No Gap | EO, NP, Ramdass | Activity Completed |
| V. | Nagar Panchayat, Rayya | Constructed 17 Required 17 | No Gap | EO, NP, Rayya | Activity Completed |
| VI. | Municipal Council, Jandiala | Constructed 34 Required 42 | MC, Jandiala has proposed to provide adequate no. of pits within time line. | EO, MC, Jandiala | 30.06.2022 |
| VII. | Nagar Panchayat, Rajasansi | Constructed 34 Required 34 | No Gap | EO, NP, Rajasansi | Activity Completed |

| VIII. | Villages Panchayat (861) | Not adequate | Preparation of action plan by 31.03.2022 | DDPO | Starting date 30.06.2022 Implementation – 30.06.2025 |
|-------|--|--|---|------------------|--|
| (iii) | Dry-Waste Management: Material Recovery for dry-waste fraction | <p>Municipal Corporation, Amritsar Required = 05 no. Provided = 05 no.</p> <p>Municipal Council Majitha Required = 01 no. Provided = 0</p> <p>Municipal Council Jandiala Required = 01 no. Provided = 01 no.</p> <p>Nagar Panchayat Ajnala Required = 01 no. Provided= 01 no.</p> <p>Nagar Panchayat Ramdass Required = 01 no. Provided= 01 no.</p> <p>Nagar Panchayat Rayya Required = 01 no Provided = 0</p> <p>Nagar Panchayat Rajasansi Required = 01 no Provided = 01 no.</p> | MC, Majitha and NP, Rayya has proposed to provide adequate no. of MRF's within time line. | MCA and all ULBs | 31.03.2022 |
| | Villages Panchayat (861) | | Preparation of action plan by 31.03.2022 | DDPO | Starting date of Project 30.06.2022 Completion date of project – 30.06.2025 |

| | | | | | |
|------------|--|--|--|---------------------------------|--|
| (iv) | Disposal of inert and non-recyclable wastes: Sanitary Landfill | Yes MCA = 1, remaining 06 MCs = Yet to Establish. Villages Panchayat = Yet to Established | No Action Plan submitted. Preparation of action plan by 31.03.2022 | Department of urban development | 31.12.2022 Starting date of Project 30.06.2022 Completion date of project – 30.06.2025 |
| (v) | Remediation of historic / legacy dumpsite | | | | |
| i. | Municipal Corporation Amritsar | 10 Lac MT Legacy waste present at site and approx. 20% has been treated. | Approximately 10 Lakh MT waste was deposited, 4 Lakh MT waste remediated by 1 ballastic & 6 Trommels are working | MCA | 30.06.2022 |
| ii. | Nagar Panchayat, Ajnala | 10000 MT Legacy waste present at site and approx. 20% has been treated. | Yet to complete within timeline. | EO, NP, Ajnala | 30.06.2022 |
| iii. | Municipal Council, Majitha | 1200 MT Legacy waste present at site and approx. 25% has been treated. | Yet to complete within timeline. | EO, MC, Majitha | 30.06.2022 |
| iv. | Nagar Panchayat, Ramdass | 950 MT Legacy waste present at site and approx. 35% has been treated. | Yet to complete within timeline. | EO, NP, Ramdass | 30.06.2022 |
| v. | Nagar Panchayat, Rayya | No legacy waste is present at site | Not required | EO, NP, Rayya | 30.06.2022 |
| vi. | Municipal Council, Jandiala | 7000 MT Legacy waste present at site and approx. 30% has been treated. | Yet to complete within timeline. | EO, MC, Jandiala | 30.06.2022 |
| vii. | Nagar Panchayat, Rajasansi | No legacy waste is present at site | Not required | EO, NP, Rajasansi | 30.06.2022 |

| | | | | | |
|-------|---|---|---|---|--|
| viii. | Villages Panchayat (861) | Not Started | Preparation of action plan by 31.03.2022 | DDPO | Starting date of Project 30.06.2022 Completion date of project – 30.06.2025 |
| ix. | Involvement of NGOs | Yes | Yes, some NGOs are involved for management of Solid waste campaign. | MCA, All MCs, UD and DDPO | Regular Activity |
| x. | EPR of Producers: Linkage with Producers / Brand Owners | Linkage with Producers / Brand Owners | 3 companies are carrying RDF & Plastic waste from MC, Amritsar. | MCA and Department of urban development | 30.06.2022 |
| xi. | Authorization of Waste Pickers | Municipal Corporation, Amritsar Required = 85 no. Provided = 85 no. Municipal Council Majitha Required = 15 no. Provided = 15 no. Municipal Council Jandiala Required = 15 no. Provided = 15 Nagar Panchayat Ajnala Required = 48 no. Provided= 48 no. Nagar Panchayat Ramdass Required = 15 no. Provided= 15 no. Nagar Panchayat Rayya Required = 26 no Provided = 26 no Nagar Panchayat Rajasansi | No gap for all MCA & ULBs | MCA, All MCs/NPs, and DDPO | Regular Activity |

| | | | | | |
|-------|---|--|--|--|--|
| | | Required = 42 no Provided = 42 no. | | | |
| xii. | Preparation of own by-laws to comply with SWM Rules 2016 | <ul style="list-style-type: none"> All MCs/NPs have already prepared In village panchayats - yet to prepare. | <ul style="list-style-type: none"> All MCs/NPs have prepared For village panchayats – Not yet prepared. | <ul style="list-style-type: none"> ULBs DDPO | <ul style="list-style-type: none"> Activity completed 31.03.2022 |
| xiii. | Removal of garbage vulnerable points (GVPs) | <p><u>Municipal corporation Amritsar</u> All the 37 identified (GVPs) have been removed and have been converted into green belts.</p> <p><u>Remaining 06 Municipal Councils/Nagar Panchayats</u> All the identified (GVPs) have been removed by the all MCs.</p> | No gap, as activity Completed | All ULBs (Municipal Corporation, Municipal Council and Nagar Panchayat) of the district. | Activity Completed |
| xiv. | Provision of greenbelt and boundary wall around solid waste dumping site. | <p><u>Municipal corporation Amritsar</u> Boundary wall=25% Pending due to court case. Green belt around Boundary wall=Provided.</p> | <p><u>Municipal Corporation Amritsar</u> Boundary wall=75%work Completed, rest pending due to court case. Green belt around Boundary wall=Provided.</p> | All ULBs (Municipal Corporation, Municipal Councils and Nagar Panchayats) of the district. | <ul style="list-style-type: none"> 31.03.2022 (for Boundary wall) |

| | | | | | |
|-------|--|--|--|--|---|
| | | <p><u>Remaining 06 Municipal Councils / Nagar Panchayats.</u></p> <p>Boundary wall under Construction= in 05 ULB's</p> <p>No Dumping site in NP Rajasansi due to near international airport.</p> | <p><u>Remaining 06 Municipal Council.</u></p> <p>Boundary wall under Construction= in 05 ULB's</p> <p>No Dumping site in NP Rajasansi due to near international airport.</p> <p>Green belt around Boundary wall=Provided by 05ULBs.</p> | | |
| xv. | Providing compartments and GPS tracking in garbage carrying vehicles | <p><u>Municipal corporation Amritsar</u></p> <p>Nil as activity completed</p> <p><u>Remaining 06 Municipal Councils/Nagar Panchayats.</u></p> <p>Nil as activity completed</p> | <p><u>Municipal corporation Amritsar</u></p> <p>All the mechanical Vehicles have been provided compartments with GPS.</p> <p><u>Remaining 06 Municipal Councils/Nagar Panchayats.</u></p> <p>All the mechanical Vehicles have been provided compartments with GPS.</p> | All ULBs (Municipal Corporation, Municipal Councils and Nagar Panchayats) of The district. | <p><u>Municipal corporation Amritsar</u></p> <p>Activity completed</p> <p><u>Remaining 06 Municipal Councils/Nagar Panchayats.</u></p> <p>Activity completed</p> |
| xvi. | Action Plan for Treatment of leachate generated from legacy waste dumpsite. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020) | Treatment of leachate | <p>Department of Urban Development (for other ULBs):-</p> <p>Leachate management will be done alongwith completion of Bio-remediation of legacy waste.</p> | MCA and Department of Urban Development | <p>Department of Urban Development (for other ULBs):-</p> <ul style="list-style-type: none"> • Bioremediation of Legacy waste and treatment of leachate waste = 30.06.2022 |
| xvii. | Best practices, including setting up of Control Rooms where citizens can upload | Swachhata app is widely used by citizens for complaints related | No Gap | All Local bodies | Already in place |

| | | | | | |
|--------|---|--|---|-------------------------------|--|
| | photos of garbage which may be looked into by the specified representatives of local bodies, at local level as well as State level. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020) | to SWM/ SBM, it is resolved and monitored at ULB and state level both. The web link of the same is http://swachh.city/ | | | |
| xviii. | CCTV cameras be installed at dumping sites. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020) | CCTV cameras not installed at dump site | No Dumping site in NP Rajasansi due to near international airport. For rest of the ULBs:- Will be installed by 31.03.2022 | All Local Bodies | 31.03.2022 |
| xix. | Installation of Piezometer at Dump Site. (Directions of Hon'ble NGT in OA no. 606 of 2018 dated 22.07.2019, 28.02.2019, 14.12.2020) | Installed by MCA and Rest of ULBs are yet to be installed. | MCA:- Installed Department of Urban Development (for other ULBs):- No Dumping site in NP Rajasansi due to near international airport. For rest of the ULBs:- Will be installed by 31.03.2022 | All Local Bodies | MCA:-Installed Department of Urban Development (for other ULBs):- No Dumping site in NP Rajasansi due to near international airport. For rest of the ULBs:- Will be installed by 31.03.2022 |
| xx. | Carcass should be utilized by adopting rendering process or incineration and priority may be given to carcass utilization plants which are run by adopting rendering process. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021) | ULBs have planned to make a cluster and tie-up for scientific disposal of animal carcasses, or Plan for their own clustered project. | For short term measures, The carcass disposal sites (Hadda Rodies) will be provided with boundary walls, Green Belt, plantation, Hedges etc. by 30/06/2022. For Long term measures Process of tie-up or project planning will be achieved by 31.03.2022 at State Level | MCB& EOs of ULBs and ADC (UD) | Short term measures 30/06/2022. Long Term measures 31/12/2023 |
| xxi. | Carcass disposal to be done under the supervision | | | | |

| | | | | | |
|--------|---|--|---|---|--|
| | Veterinary/Animal Husbandry Department of the State and the Local Bodies. (Directions of Hon'ble NGT in OA no. 465/2019 dated 15.04.2021) | | and same will be executed by 31/12/2023. | | |
| xxii. | Management of waste water and solid waste by the unauthorized colonies / residential complex / commercial complex developed by Pvt. Colonizers. | Inadequate management of solid waste and liquid waste in these colonies. | The Colonies either may make arrangement with concerned MC for treatment of wet waste and lifting of dry waste for its scientific disposal or may provide onsite wet waste processing facilities for treatment of wet waste and for management of dry waste, these colonies may agreement with concerned MCs. | MCA | MC (Within Municipal Limits) <ul style="list-style-type: none"> • 31/12/2021 (for identification) • 31/12/2023 (for management of solid waste and liquid waste) |
| xxiii. | To prepare proposal / scheme for management of solid waste in the villages either in cluster form or independently in individual villages | Inadequate Management of solid waste in the villages. | Scheme is yet to be prepared. | DDPO | 31.03.2022 |
| xxiv. | Information Education and Communication (IEC) activities in respect of solid waste. | No gap | The IEC activities in this regard are already being done by the concerned departments. Promoters and Residents are informed when the joint team visits their colonies and they are encouraged to follow the solid and liquid waste management rules. | All ULBs (Municipal Corporation, Municipal Councils and Nagar panchayats) of the district | Regular Activity |

| | | | | | |
|--------|---|---|--|---|--------------------|
| xxv. | Constitution of District Environment Committee in view of the constitution provisions under article 243 G, 241 W and 243 ZD read with scheduled 11, 12 & 15 of SWM Rules, 2016. | No gap | Constituted by the State Government. | State Government | Activity completed |
| xxvi. | Management of carcass in rural area. | Inadequate management of carcass in rural area. | No. of carcasses existing = 375 No. of carcass provided liquid waste management = NIL | DDPO | 31.10.2024 |
| xxvii. | Dry-Waste Management: Material Recovery for dry-waste fraction (RDF) | <ul style="list-style-type: none"> • Municipal Corporation, Amritsar = 27 BWGs • Municipal Council Majitha = NIL • Municipal Council Jandiala = 04 BWGs • Nagar Panchayat Ajnala= NIL • Nagar Panchayat Ramdass = NIL • Nagar Panchayat Rayya = 01 • Nagar Panchayat Rajasansi = Nil | Agreement to be made by BWG with concerned MCs | MCA and All Municipal Councils and Nagar Panchayats | 31.03.2022 |

(ii) Plastic waste Management

(a) Current status related to Plastic waste management

| Sr. No. | Urban Local bodies | Estimated quantity of Plastic Waste Generated MT/per day |
|---------|---------------------------------|--|
| 1. | Municipal Corporation, Amritsar | 32.000 |
| 2. | Nagar Panchayat, Ajnala | 0.018 |
| 3. | Municipal Council, Majitha | 0.005 |
| 4. | Nagar Panchayat, Ramdass | 0.200 |
| 5. | Nagar Panchayat, Rayya | 2.000 |
| 6. | Municipal Council, Jandiala | 0.020 |
| 7. | Nagar Panchayat, Rajasansi | 0.002 |
| | Total | 34.245 |

| Sr. No. | Local Bodies | Estimated quantity of Plastic Waste Generated (in MTD) |
|---------|---------------------------|--|
| 1 | Villages Panchayats (861) | 23.24 |

(b) Identification of gaps and Action plan:

| S. No. | Action points for village panchayats/blocks/municipalities/corporations | Identification of gap | Action plan | Agencies Responsible | Target time for Compliance |
|--------|---|--|--|----------------------|---|
| 1. | Door to Door collection of dry waste including PW | <ul style="list-style-type: none"> • MCA = 100% collection target achieved in all wards. • Other 06 ULBs = 100% collection. • Villages Panchayat (861) = Not initiated yet. | <p>For achieving 100% door to door collection and source segregation</p> <p>Preparation of action plan by 31.03.2022</p> | MCA & DDPO | <p>MCA & ULBs = Activity completed</p> <p>Starting date of Project 30.06.2022</p> <p>Completion date of project – 30.06.2025</p> |

| | | | | | |
|----|--|--|---|----------|---|
| 2. | Facilitate organized collection of plastic Waste at Waste transfer point or Material Recovery Facility | <ul style="list-style-type: none"> • MCA=100% Collection and MRF facility provided. Full scale plant is proposed. Partially operated by M/s Amritsar MSW Ltd. 5 MRFs are operated by MC, Amritsar. <p>Municipal Corporation, Amritsar Required = 05 no. Provided = 05 no.</p> <p>Municipal Council Majitha Required = 01 no. Provided = 0</p> <p>Municipal Council Jandiala Required = 01 no. Provided = 01 no.</p> <p>Nagar Panchayat Ajnala Required = 01 no. Provided= 01 no.</p> <p>Nagar Panchayat Ramdass Required = 01 no. Provided= 01 no.</p> <p>Nagar Panchayat Rayya Required = 01 no Provided = 0</p> | <ul style="list-style-type: none"> • Ban will be proposed on single use plastic as per the guidelines of the Centre and State Government. • NGOs are involved for awareness to avoid plastic use. • Registration is being done for waste pickers. <p>MC, Majitha and NP, Rayya has proposed to provide adequate no. of MRF's within time line.</p> | MCA&DDPO | <p>MCA = Will work on full capacity up to 30/06/2023</p> <p>31.03.2022</p> |
|----|--|--|---|----------|---|

| | | | | | |
|----|---|--|---|---|--|
| | | <p>Nagar Panchayat Rajasansi Required = 01 no Provided = 01 no.</p> <ul style="list-style-type: none"> Villages panchayats (861)= partial collection. | Preparation of action plan by 31.03.2022 | | <p>Starting date of Project 30.06.2022 Completion date of project – 30.06.2025</p> |
| 3. | Plastic Waste collection Centres | <ul style="list-style-type: none"> MCA=5 MRFs and one centralized collection centre. Door-to-door collection is done. Other 06 MCs = 1 MRF in each ULB and adequate | Provision of proper Plastic Waste collection Centers. | MCA and Department of urban development | Activity Completed |
| 4. | Awareness and education programs implementation | No gap | Awareness among public for minimizing and recycling PW is being done on regular basis | MCA and Department of urban development | Regular activity. |
| 5. | Access to Plastic Waste Disposal Facilities | <p>MCA = 5 MRFs and one centralized collection centre. Door-to-door collection is done.</p> <ul style="list-style-type: none"> Other 06 MCs = 1 MRF in each ULB and adequate | Inadequate Plastic Waste Disposal Facilities | MCA and Department of urban development | Regular activity. |

| | | | | | |
|----|--|--|---|-------------------------|---|
| 6. | Plastic Industry Registration. Total no. of plastic unit required registration. Total no. of plastic unit obtained registration. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | Total no. of plastic unit required registration = 45 Total no. of plastic unit obtained registration = 28 | No gap, Regular Activity | PPCB | Regular activity. |
| 7. | Development and setting up of infrastructure for segregation, collection, storage, transportation, Processing, and disposal of Plastic Waste either on its own for by engaging agencies or producers. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | Inadequate disposal arrangement of plastic waste | Re-cyclable Plastic waste is collected, transported and stored separately by all ULBs. Currently such plastic is being stored at MRF. | All Local bodies & DDPO | MCA:-30.04.2024 Department of Urban Development (for other ULBs):- 30.06.2022 for rest of the ULBs. |
| 8. | Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | Yet to frame in rural area | MCA and all MCs = already framed Rural Panchayats (861) = yet to prepared | MCA, ADC(UD) and DDPO | 31.03.2022 |
| 9. | Set up, operationalize and co-ordinate for Plastic Waste management in Ruler area. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | Inadequate Plastic Waste management in Ruler area. | Awareness regarding it is being done to the Gram Panchayat for segregation, Collection and transportation will be done with | DDPO | 31.10.2022 |

| | | | | | |
|-----|---|---|--|-------------------------|---|
| | | | Compartmentalized Rickshaw and stored in the Extra Pit to be made with Nadep Model. | | |
| 10. | Ban on non-recyclable single use polythene bags. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | Ban on non-recyclable single use polythene bags | Ban has been already imposed by the State Govt., on sale, purchase, manufacturing and stock of plastic carry bags. The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with. | ALL Local bodies/PPCB | The Ministry of Environment, forest And Climate change vide its notification dated 12.08.2021 has banned Single use plastic with effect from 1.07.2022. Further, the guidelines of the Centre and State Govt., regarding banning of single use plastic will be complied with. |
| 11. | Segregation, collection, storage, transportation of plastic waste and channelizing of recyclable plastic waste fraction to recycler having valid registration. (Directions of Hon'ble NGT in EA no. | Arrangement for plastic waste disposal. | MCA:- MRF provided and adequate. Department of Urban Development (for other ULBs): Awareness regarding it is being done to the | All Local bodies & DDPO | Department of Urban Development (for other ULBs):- 31.12.2021 |

| | | | | | |
|-----|---|--|---|---------------------------|--|
| | 13/2019 dated 08.01.2021) | | Gram Panchayat for segregation, Collection and transportation will be done with Compartmentalized rickshaw. | | DDPO:- 31.8.2022 For preparation of Action Plan |
| 12. | Awareness to the waste generator to take steps to minimize the plastic waste and segregate plastic waste at source. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | No Gap | Awareness is being carried out on regular basis. Camp will be organized of quarterly basis. | Local bodies & DDPO | Regular activity |
| 13. | Encouragement to the education institute to take up waste management in their curriculum and create student project for waste recycling. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | No gap | Already being followed and seminars are being organized. | DEO primary and secondary | Regular activity |
| 14. | Directions to Gram Panchayat to perform functions such as ensuring segregation, collection, storage, transportation, plastic waste and channelization of recyclable plastic waste fraction to recyclers having valid registration. (Directions of Hon'ble NGT in EA no. | Disposal of plastic waste in villages. | Instruction are already been given to Gram Panchayat Through BDPO's | DDPO | DDPO:- 31.03.2022 For preparation of Action Plan 30.06.2022 For Starting Date 30.06.2025 For Implementation |

| | | | | | |
|-----|---|--|---|---------------------|------------------|
| | 13/2019 dated 08.01.2021) | | | | |
| 15. | Creating awareness among all stakeholders about their responsibilities, and ensuring that open burning of plastic waste does not take place. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | No gap | All stakeholders are being made aware regarding their responsibility. It is being ensured that open burning of plastic waste does not take place. Violators are challans. | All local bodies | Regular activity |
| 16. | To ensure proper plastic waste management, industries may be directed to explore the possibilities of use of such wastes in construction of roads. Further industries may also be directed to collaborate with different research institutes to explore such alternatives. (Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | Plastic waste use in construction of roads | Instructions will be given to the industries to explore such activities to department of industries who through research institutes | MCA, ADC(UD)and PWD | 31.03.2022 |

(iii) C&D Waste Management

(a) Current status related to C&D Waste

| Details of Data Requirement | Present Status |
|---|---|
| Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities) | 3.71 MT |
| Does the District has access to C&D waste recycling facility? | ULBs has identified and notified place for C&D waste recycling and people do reuse of C&D waste by their own level. |

(b) Identification of gaps and Action plan:

| S. No. | Action points for blocks/ town municipalities /City corporations | Identification of Gaps | Action Plan | Responsible agency | Timeline for completion of action plan |
|--------|--|---|--------------|---------------------------------------|--|
| 1. | Arrangement for separate collection of C&D waste to C&D waste deposition point. | <p>No Gap</p> <ul style="list-style-type: none"> • MCA = Separate collection site provided and adequate. • Other 06 ULBs =Separate collection site provided in each ULB and adequate. | Not required | MCA & Department of urban development | Activity Completed |
| 2. | Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators whogeneratemorethan20tonsormoreinone day or 300 tons per project in a month? | No gap. As per Solid Waste Management Cleanliness and Sanitation Bye laws Dated 26.08.20Notificationno:5/69/2020-2lg4/1486,MC Amritsar fixed user fee on C&D waste. (Ref. Clause no.11) | Not required | MCA | Activity Completed |

| | | | | | |
|----|---|---|--|-----|---|
| 3. | C&D recycling Facility | Presently there is no C&D recycling Facility in the District. | Yet to be made. | MCs | 30/09/2022. |
| 4. | Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads | | | | |
| 5. | ICE on C&D waste management | No gap | Awareness will be done through media, NGOs & Radio on quarterly basis. | MCA | Regular Activity. One camp will be organized quarterly. |

(iv) Bio medical Waste Management

(a) Current Status related to biomedical waste

| Inventory of BMW in the District | Quantity |
|--|--|
| Total no. of Bedded Health care Facilities | 367 |
| Total no. of non-bedded HCF | 498 |
| No. of HCFs authorized by SPCBs/PCCs | 859 |
| Total No. of veterinary Hospitals/Dispensaries in the District Amritsar | 192 |
| Total No. of veterinary Hospitals/Dispensaries connected with Common Biomedical treatment facility (CBWTF). | 192 -Dispensaries connected via nearest block level institutions |
| Total no. of veterinary Hospitals/Dispensaries obtained the authorization of Punjab pollution Control Board | 192 |
| Total No. of veterinary Hospitals/Dispensaries adopted segregation of BMW through separate colour coded collections bins. | 192 |
| Total no. of veterinary Hospitals/Dispensaries complying with BMW Rules, 2016 and Maintaining record of Biomedical waste generation and its disposal to CBWTF. | 192 |
| No of Common Biomedical Waste Treatment and Disposal Facilities(CBWTFs) | 1 |
| Capacity of CBWTFs | 8200kg/day |
| No.of Deep burials for BMWif any | 0 |
| Quantity of biomedical waste generated per day | 3386 kg/day |
| Quantity of biomedical waste treated per day | 3386 kg/day |

(b) Identification of gaps and Action plan:

| S. No. | Action points | Gaps | Action Plan | Responsible agency | Timeline for completion of action plan |
|--------|---|---|---|-------------------------------------|--|
| 1. | Inventory and Identification of Healthcare Facilities | <ul style="list-style-type: none"> Total HCFs identified(Bedded + non-bedded)= 865 HCFs authorized by the PPCB=859. | Regular camps are being organized to pursue the HCFs to obtain the authorization. | PPCB | Regular activity |
| 2. | Adequacy of facilities to treat biomedical waste | No Gap. Adequate CBWTF installed in the District. | Not required | PPCB | Activity completed |
| 3. | Tracking of Bio-Medical Waste | No Gap. Bar code system is implemented by all HCFs and CBWTFs. No gap | Not required | PPCB | Activity completed |
| 4. | Awareness and education of healthcare staff | No Gap Training has been organized for all stakeholders from time to time. One camp will be organized in a quarter. | Not required | PPCB and Health Department | Regular activity |
| 5. | Adequacy of Funds | No gap | Private HCFs = Funds available Govt., HCFs = Funds Being arranged | Civil Surgeon | 31.10.2022 |
| 6. | Compliance to Rules by HCFs and CBWTFs | No gap, to check the compliance regular monitoring is being done. | BMW Rules, 2016 are complied with except provisions of ETPs cum STPs | PPCB, HCFs, CBWTF and civil surgeon | Regular activity |
| 7. | District Level Monitoring Committee | District Level Monitoring Committee has been constituted | Meetings are taken on monthly basis District Environment Committee. | District Administration and PPCB | Regular Activity |

| | | | | | |
|----|---|---|--|-------------------|---|
| 8. | Wastewater Treatment | <ul style="list-style-type: none"> Total HCFS Required ETP=367 Total HCF install ETPs=60 | HCFs are being pursued to install the ETP. The meetings are being held with the association members. | PPCB | <ul style="list-style-type: none"> The timelines vide Board order no. 468 dated 31.08.2021 timeline has been given as 31.03.2022. The HCF will submit a Bank Guarantee to the Board as an assurance to submitted analysis results and installation of appropriate and adequate system to archived prescribed standards. In case sample fail to achieve the prescribed standard. |
| 9. | Disposal of radioactive materials. With the proliferation of radiotherapy, nuclear medicine, X Rays, CT Scans and other equipment's using radioactive materials. (Directions of Hon'ble NGT in OA no. 710 of 2017 dated 18.01.2021) | <p>Already Being Complied.</p> <ul style="list-style-type: none"> Most of the Hospitals now have provided the digital X-Ray, hence no such waste is generated from digital X-ray. The Hospitals which have not provided the digital x-ray machine have made the agreement with the authorized agency for the disposal of its waste. | Already Being Complied. | Health department | Activity Completed |

(v) Hazardous Waste Management

(a) Current Status related to Hazardous Waste Management

| Details of Data Requirement | Present Status |
|---|---|
| No of Industries generating HW | 119 |
| Quantity of HW in the district (MT/Annum) | 1253.103 |
| Quantity of Incinerable HW (MT/Annum) | 45.080 |
| Quantity of land-fillable HW(MT/Annum) | 282.808 |
| Quantity of Recyclable/utilizable HW(MT/Annum) | Recyclable=911.495 Utilizable=13.720 |
| Nos. of captive/common TSDF | There is no TSDF Facility in Distt. Amritsar There is no standalone captive incinerator in Distt. Amritsar |
| No of industries provided on site impervious facilities for temporary collection of hazardous waste | 119 |
| Contaminated Sites or probable contaminated sites | Nil |
| Monitoring of ground water of common TSDF. | No common TSDF falls in the District Amritsar. |

(b) Identification of gaps and action plan:

| No. | Action points | Identification of Gaps | Action Plan | Responsible agency | Timeline for completion of action plan |
|-----|--|---|--|---------------------------------------|--|
| 1. | Regulation of industries and facilities generating Hazardous Waste | <ul style="list-style-type: none"> Total industries identified =119 Authorized by the PPCB=113. | Regular camps are being organized to pursue the industries to obtain the authorization. | PPCB | 30.06.2022 |
| 2. | Establishment of collection centres | No Gap | The industries generating hazardous waste have provided separate storage/collection facilities for temporary storage of hazardous waste till its final disposal to the hazardous waste management sites. | MCA& Department of urban Development. | Regular Activity |
| 3. | Training of workers involved in handling/recycling/disposal of HW | Industries generating HW already identified | The workers are being trained time to time. One training program will be provided in a quarter. | Department of Industries | Regular activity |
| 4. | Availability/Linkage with common TSDF or disposal facility | The industries generating HW have access to common TSDF in the State. No. of units identified linked with CTSDF = 79 | The industries generating HW have access to common TSDF in the State. | PPCB | Activity completed |
| 5. | Contaminated Sites | No Contaminated Site | No Contaminated Site | Local Bodies, DDPO and PPCB | No Contaminated Site |

(vi) E-Waste Management

(a) Current Status related to E-Waste Management

| Details of Data Requirement | Present Status |
|---|--|
| Inventory of E-Waste in MT/year | 2.24 |
| Collection centers established by ULBs in the District | Nil |
| Collection centers established by Producers or their PROs | Nil |
| Nos. authorized E-Waste recyclers /Dismantler | No any authorized E-Waste recyclers / Dismantler exists in District Amritsar |

(b) Identification of gaps and action plan:

| S. No. | Action points | Gaps in implementation | Action Plan | Responsible agency | Timeline for completion of action plan |
|---------------|---|--|--|-----------------------------|---|
| 1. | Inventory / Generation of E-Waste / Bulk-waste generators | Inventorization of E-Waste in the District. Inventory of bulk waste generators is under process. | Completion of inventory | PPCB | 30.04.2022 |
| 2. | E-Waste collection points | E-Waste collection points not available in towns and cities and EPR need to be strengthened. | 07 no. collection centres to be setup in various town of Distt. Amritsar | MCA, all MCs, NPs and GMDIC | 30.06.2025 |
| 3. | Linkage among Stakeholders dechannelize-Waste | No system provide yet | Work under progress | MCA, all MCs, NPs and GMDIC | 31.03.2022 |

| | | | | | |
|----|---|--|---|--------------------------------|------------------|
| 4. | Regulation of Illegal E-Waste recycling /dismantling | Illegal E-Waste recycling /dismantling units are being identified | Work under progress | District Administration & PPCB | 30.06.2025 |
| 5. | Integration of informal sector | Integration of informal sector is under process | Work under progress | District Administration & PPCB | 30.06.2025 |
| 6. | Awareness and Education | Regular activity | Quarterly Special workshops and awareness campaigns through Producers/PROs will be carried out. | District Administration & PPCB | Regular Activity |
| 7. | Identification of Producers who have not obtained, EPR Authorization (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | This is a continuous activity and will be followed. | This is a continuous activity and will be followed. | SPCBs/ PCCs/Custom department | Regular activity |
| 8. | Verification of systems provided by producers for collection and channelization of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | This is a continuous Activity. All the EPR Authorized Producers will be verified per year. | This is a continuous activity. All the EPR Authorized Producers will be verified per year. | PPCB | Regular activity |
| 9. | Verification of facilities of dismantlers and recyclers for their infrastructure and records. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | This is a continuous activity. All the dismantlers/recyclers will be verified per year. | This is a continuous activity. All the dismantlers/recyclers will be verified per year. | PPCB | Regular activity |

| | | | | | |
|-----|--|---|---|---|------------------|
| 10. | Checking of informal trading, dismantling, and recycling of waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | Regular activity | Quarterly drive will be carried out checking of this activity. | District Administration/ PPCB | Regular activity |
| 11. | Facilitate collection and disposal of e-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | Regular activity | Mechanism for collection and for incentivizing setting up of recycling facilities will be complied with. | District Administration/PPCB | Regular activity |
| 12. | Governance frame work for monitoring compliance. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | Regular Monitoring will be carried out to check the compliance. | Regular Monitoring will be carried out to check the compliance. | District administration/PPCB. | Regular activity |
| 13. | Capacity building at district level. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | No gap | Workshops/seminars to educate functionaries is being run on regular basis. | District Administration, PPCB & Local bodies. | Regular activity |
| 14. | IEC plan be firmed up and executed. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | No gap | IEC plan has been prepared by state and being implemented in all ULBs widely. | District Administration, PPCB & Local bodies. | Regular activity |
| 15. | Strengthen system of enforcement. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | No gap | Status of enforcement of Byelaws reviewed on Monthly basis by ADC(UD) and quarterly basis by Hon'ble Deputy Commissioner-cum- | District Administration, PPCB & Local bodies | Regular activity |

| | | | | | |
|-----|---|--|---|-----------------------|------------------------|
| | | | Chairman of District Environment Committee. | | |
| 16. | Allocation of proper space to the existing and upcoming industrial units for e-waste dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | No gap | State Government has already planned the focal points for industrial units. Proper space will be allocated to the existing and upcoming industrial unit for E waste dismantling and recycling facility. | PSIEC | Already done |
| 17. | Recognition and registration of workers involved in dismantling and recycling, undertake industrial skill development activities for the workers involved in dismantling and recycling. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | No gap | Recognition and registration of workers involved in dismantling and recycling and industrial skill development activities for the workers involved in dismantling and recycling will be done on regular basis | Labour Department | Regular Activity |
| 18. | Annual monitoring to ensure health and safety of workers involved in such activities. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | No gap | Will be Ensured on Annual basis. | Director of Factories | Regular Activity |
| 19. | Separate waste deposition centers for domestic E-waste | Separate waste deposition centers for domestic E-waste | Domestic hazardous waste deposition centers | All Local Bodies | MCA:- 31.12.2022 as |

| | | | | | |
|--|---|--|--|--|--|
| | which helps in easy segregation of E-waste. (Directions of Hon'ble NGT in OA no. 512/2018 dated 15.01.2021) | | will be established with each secondary collection point. Department of Urban Development | | same will be established with the secondary points and establishment of the compactor. |
|--|---|--|--|--|--|

3. AIR QUALITY MANAGEMENT

(a) Current Status related to Air Quality Management

| Details of Data Requirement | Present Status |
|--|---|
| Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt / Central govt./PSU agency: - Operated by Industry: | 01, (Near Golden Temple, Amritsar) 0 |
| Number of manual monitoring Stations operated by SPCBs | 04 |
| Name of towns/cities which are failing to comply with national ambient air quality stations | 01 (Amritsar city) |
| Nos. of air polluting industries | 454 |
| No. of unit installed APCD | 454 |
| Status of Air Consent | <ul style="list-style-type: none"> • Regular activity • Total no. of industries requiring consent to operate under Air Act, 1981 Red = 209 Orange = 645 Green= 168 • Total no. of units having valid consent as on 31.08.2021 Red =188 |

| | |
|---------------------------------|---|
| | Orange = 404 Green= 102 <ul style="list-style-type: none"> Timeline for grant of consents to the balance units not having valid consent. Red =31.03.2022 Orange = 30.06.2022 Green= 30.09.2022 |
| Prominent air polluting sources | Industry, Road dust, transport, Burning of biomass & Vehicular pollution. |

(b) Identification of gaps and action plan:

| S. No. | Action points | Gap & Indicative Action Plan | Responsible agency | Timeline for completion of action plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--|---|--------------------|--|------------------|-------------------|----|-----------|-----|-----|----|-----------|-----|-----|----|----------|-----|-----|----|---------|-----|-----|----|--------|----|----|----|--------------|----|----|---|--------------------|
| 1. | Identification of prominent air polluting sources? | Following sources have been identified after carrying out source apportionment study:- <table border="1"> <thead> <tr> <th>Sr. no.</th> <th>Source</th> <th>PM₁₀</th> <th>PM_{2.5}</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Transport</td> <td>35%</td> <td>38%</td> </tr> <tr> <td>2.</td> <td>Road Dust</td> <td>28%</td> <td>16%</td> </tr> <tr> <td>3.</td> <td>Industry</td> <td>16%</td> <td>21%</td> </tr> <tr> <td>4.</td> <td>Biomass</td> <td>16%</td> <td>19%</td> </tr> <tr> <td>5.</td> <td>Others</td> <td>4%</td> <td>5%</td> </tr> <tr> <td>6.</td> <td>Power Plants</td> <td>1%</td> <td>1%</td> </tr> </tbody> </table> | Sr. no. | Source | PM ₁₀ | PM _{2.5} | 1. | Transport | 35% | 38% | 2. | Road Dust | 28% | 16% | 3. | Industry | 16% | 21% | 4. | Biomass | 16% | 19% | 5. | Others | 4% | 5% | 6. | Power Plants | 1% | 1% | MCA, PWD, Agriculture Department & PPCB | Activity Completed |
| Sr. no. | Source | PM ₁₀ | PM _{2.5} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Transport | 35% | 38% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Road Dust | 28% | 16% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Industry | 16% | 21% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Biomass | 16% | 19% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Others | 4% | 5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Power Plants | 1% | 1% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 2. | Ambient Air quality data? | Ambient air quality is already being monitored. The annual average value of the year 2019 and 2020 is as under- | PPCB | Activity completed. Stations already working. | | | | | | | | | | | | |
|--|---|---|----------|---|---------|---------------------------------------|---------------------------------------|-----|----|------|-----|-----|----|------|----|----|
| | | <table border="1"> <thead> <tr> <th>Sr. no.</th> <th>Year</th> <th>PM₁₀ (µg/m³)</th> <th>AQI</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2019</td> <td>102</td> <td>110</td> </tr> <tr> <td>2.</td> <td>2020</td> <td>95</td> <td>99</td> </tr> </tbody> </table> | | | Sr. no. | Year | PM ₁₀ (µg/m ³) | AQI | 1. | 2019 | 102 | 110 | 2. | 2020 | 95 | 99 |
| | | Sr. no. | | | Year | PM ₁₀ (µg/m ³) | AQI | | | | | | | | | |
| | | 1. | | | 2019 | 102 | 110 | | | | | | | | | |
| 2. | 2020 | 95 | 99 | | | | | | | | | | | | | |
| The web link of the same is ppcb.gov.in/en/air-quality | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 3. | Setting up of Continuous Ambient Air Quality Monitoring Station | 1CAAQMS already installed (Near Golden Temple, Amritsar). The web link of the same is ppcb.gov.in/en/air-quality | PPCB | Activity completed | | | | | | | | | | | | |
| 4. | District Level Action Plan for Air Pollution | Action plan to control air pollution already prepared and submitted to Hon'ble NGT. Link is https://ppcb.punjab.gov.in/en/action-plans | PPCB | Action Plan Already prepared and will be implemented. | | | | | | | | | | | | |
| 5. | Hotspots of air pollution in District | Major Hotspots have been identified and given in the micro air action plan. The major hotspots are Putlighar Chowk, SSSS Chowk, Balmiki Chowk, Near Bus Stand, Crystal Chowk, Novelty Chowk and Hall Gate, Amritsar. | PPCB | Activity Completed | | | | | | | | | | | | |
| 6. | Awareness on Air Quality | Awareness in this regard is being done on regular basis. The data is also given in public domain for awareness to the public at official website of the PPCB. The web link of the same is https://ppcb.punjab.gov.in/en/air-quality | PPCB | Regular activity | | | | | | | | | | | | |
| 7. | Industries to be converted from coal to CNG | <ul style="list-style-type: none"> Total industries to be converted from coal to PNG = 89 Converted to PNG = 03 Work of lying pipeline at Amritsar started and contract with M/s GSPL Pvt. Ltd. at Amritsar to expedite the process of lying pipeline. | PPCB/DIC | Time target: Six month after lying the pipeline | | | | | | | | | | | | |

| | | | | |
|-----|--|---|---------------------------------|------------------|
| 8. | Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns | <ul style="list-style-type: none"> Total BKO required to convert to ZIG ZAG = 207 Converted to ZIG Zag Technology= 120 Yet not converted = 87 Direction issued u/s 31-A of Air Act, 1981 to DFSC to canceled the license of BKOs = 29 | PPCB/DFSC | 30.06.2022 |
| 9. | Maintain pothole free roads / timely patchwork on roads | <p>MCA The patch work is a regular process to make pothole free roads and the work is in progress.</p> <p>PWD/NHAI Patchwork of roads is continuous process. As and when potholes develop on roads the same are got repaired as soon as possible.</p> | MCA, PWD, NHAI | Regular activity |
| 10. | Procurement of Mechanical sweeping machines | <ul style="list-style-type: none"> MC, Amritsar has already provided 06 no. mechanical sweeping machines. 03 more sweeping machines are required & proposed for purchase. | MCA | 31.12.2021 |
| 11. | Plantation of trees along highways, drains, Nallahs in colonies and canals etc., | <ul style="list-style-type: none"> Plantation has been done already in various urban estates and the further plantation will be done accordingly when new land will be acquired. The new target for plantation along the National Highway and fellow lands of Panchayat has been made by forest department. | MCA, DDLG, Forest Department | Regular activity |
| 12. | Greening of parks, open areas, community places, schools and housing societies | The new target for plantation of 5000 more plants up to 31/12/2021 has been fixed, out of which maximum plantation has been done in the rainy seasons. | MCA, ULBs and Forest department | Regular activity |
| 13. | Kaccha/Brick Paved Roads to be made Pucca roads | The Paved roads/kaccha roads are converted into pakka road in each ULBs. | MCA | Regular activity |

| | | | | |
|-----|---|--|---------------------------|------------------|
| 14. | Existing roads requiring recarpeting | <p>PSIEC Maintenance of Industrial Focal Point by PSIEC.</p> <p>PWD The maintenance of State Highways and Major District Roads.</p> <p>MCA The Re-carpeting work of major roads within MC area has already been completed up to 30/09/2021.The balance work of re-carpeting of roads in progress.</p> | MCA, PWD, PSIEC | Regular activity |
| 15. | Public awareness campaign for control of vehicular emissions | The camps are being organized regular basis. Facebook, Twitter & Instagram) is also being used to spread traffic awareness. Quarterly camp will be organized for awareness. | Traffic Police, Transport | Regular activity |
| 16. | Extensive drive against polluting vehicles | The extensive drive against polluting vehicles already initiated by the Police department. | Traffic Police | Regular activity |
| 17. | Prevention parking of vehicles in non-designated areas by enforcement actions | The extensive drive already initiated by the Police department to prevent parking of vehicles in non-designated areas and issuing challans to the violators. | Traffic Police | Regular activity |
| 18. | Phasing out commercial diesel vehicles more than 15 years old | Scheme under consideration. | Transport | 31.12.2022 |
| 19. | Promotion of E-Vehicles | The is being done on regular basis. | Transport | Regular activity |
| 20. | Infrastructure development for additional of CNG based autos/taxis | Regular financial and Administrative support is given to CNG based autos/taxis for their operation. | RTA/Traffic Police | Regular activity |
| 21. | Control of open burning of bio-mass. | <p>MCA 67 Number of pits constructed in Parks and green belts of Amritsar to control of open burning of bio</p> | MCA and DDLG | Regular activity |

| | | | | |
|-----|---|--|----------------------|--|
| | | mass in the city. DDLG Regular monitoring is being done in each ULB. Further, no. of pits is constructed in each ULB to control the burning of bio mass. | | |
| 22. | Dissemination of Air Quality Index by installing CAAQMS | The web link of the same is as under:- https://ppcb.punjab.gov.in/en/air-quality http://cpcb.nic.in/automatic-monitoring-data/ | PPCB | One no. already installed, near Golden Temple, Amritsar. |
| 23. | Dissemination of Air Quality Index by installing display boards in the city | The web link of the same is as under:- https://ppcb.punjab.gov.in/en/air-quality http://cpcb.nic.in/automatic-monitoring-data/ | PPCB | One no. already installed, near Golden Temple, Amritsar. |
| 24. | Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air | Not required | PPCB | Not required |
| 25. | Establishment helpline in each city as well as SPCB HQ | Head Office level Helpline number is 1800 120 3667 for whole of the state. | PPCB, Lab | Completed |
| 26. | Scope for public participation on remedial measures like plantations. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021) | Amritsar Forest division has 55 registered village forest Committees. Plantation and maintenance is being done by public participation mode. | Department of forest | Regular Activity |

| | | | | |
|-----|---|--|------------------------|--|
| 27. | Carrying capacity and source apportionment study of non-attainment Cites. | Source apportionment study has been already carried out through 3rd party. | PPCB | Source Apportionment Study = Completed Carrying Capacity = 30.04.2023 |
| 28. | For development of plantation along the highways. | The area alongside highways where plantation can be done is declared forest area. During suitable season for plantation PWD will coordinate with department of forest for plantation. | PWD | 31.12.2021 |
| 29. | Steps to be taken for management of agriculture waste/residue | <ul style="list-style-type: none"> • During 2020-21 Total 663 machines for crop residue management have been given out of which 305 to the individual farmers, 335 to the registered farmer groups and 23 machines to cooperative societies at subsidies rates under In-situ Management of Crop residue Scheme. • During 2021-22 Total 253 machines for crop residue management have been given out of which 06 to the individual farmers, 199 to the registered farmer groups, 33 to panchayats and 15 machines to cooperative societies at subsidies rates under In-situ Management of Crop residue Scheme • Beside above, IEC activities like farmer training camps, Hoarding and field demonstrations are also being carried out to spread the awareness among farmers through the years. | Agriculture Department | Seasonal/Regular Activity |

4. WATER QUALITY MANAGEMENT

(a) Water Quality Monitoring

- Current Status related to Water Quality Management

| Details of Data Requirement | Present Status |
|---|---|
| Rivers | River Ravi & Beas |
| Length of Coastline (if any) | Nil |
| Nalas/Drains/Creeks meeting Rivers | 44 |
| Lakes/Ponds | Nil |
| Total Quantity of sewage from towns and cities in District | 220MLD |
| Quantity of industrial waste water | 37MLD |
| Percentage of untreated sewage | 87% |
| Details of bore wells and number of permissions given for extraction of groundwater | 422 |
| Ground water polluted areas if any | Dumpsite of Municipal Corporation at Bhagtanwala, Amritsar. |
| Polluted river stretches if any | Nil |

- Identification of gaps and action plan for water quality monitoring:

| S. No. | Action points | Gaps and Action Plan | Responsible agency | Timeline for completion of action plan |
|--------|---|--|----------------------------------|--|
| 1. | Inventory of water bodies | The detailed inventory of water bodies is to be prepared by Drainage Department and Rural Development. The mapping of the Rivers and drains is also to be carried out. | DDPO/Drainage | 30.06.2022 |
| 2. | Quality of water bodies in the district | The monitoring of rivers, drains are already being carried out and data is being maintained and also discussed in monthly | District Administration and PPCB | Regular activity |

| | | | | |
|----|---|---|---|---|
| | | meeting of District Environment Committee. The information of water quality will be also uploaded on the official websites of SPCB & District Administration. The web link is https://ppcb.punjab.gov.in/en/water-quality | | |
| 3. | Hotspots of water contamination | Identified and given in the Beas Action Plan web link is https://ppcb.punjab.gov.in/en/action-plans | PPCB, MCA, all MCs and DDPO | Regular activity |
| 4. | Protection of river / lake water front | Awareness is being carried out in the public to stop the dumping of solid waste in river/Nallah. Challans are also issued to the violators. | MCA& Department of urban development | Regular activity |
| 5. | Inventory of sources of water pollution | The sources are already identified and detail of the same is given in Beas Action Plan. The Web link of the same is https://ppcb.punjab.gov.in/en/action-plans | MCA, DDPO & Department of urban development | Activity Completed |
| 6. | Oil spill disaster management (for coastal districts) | Not applicable | Not applicable | Not applicable |
| 7. | Protection of flood plains | Plan Prepared. Info. Available on https://cdn.s3waas.gov.in/s3c3992e9a68c5ae12bd18488bc579b30d/uploads/2021/06/2021061650.pdf | Drainage Department | Plan Prepared. The concerned department regularly observes and protects the flood plains by constructing river training works |
| 8. | Rejuvenation of groundwater | As per Master Plan to Artificial Recharge to Ground Water in India-2020, 7859 Recharge shaft, 22710 farm Pond and 48890 Rooftop Rain water harvesting structures have been | CGWA/PWRDA | Regular Activity |

| | | | | |
|----|-----------------------------|---|------|--------------------|
| | | suggested for Amritsar district. The link for the Master Plan is http://cgwb.gov.in/Master%20Plan%20to%20GW%20Recharge%202020.pdf | | |
| 9. | Complaints redressal system | Mobile App/Online Complaint redressal system already developed. The web link is https://connect.punjab.gov.in/grievance/save | PPCB | Activity Completed |

(b) Domestic Sewage

| Details of Data Requirement | Present Status |
|--|--------------------------------|
| No of Class-II towns | 1 |
| No of Class-I towns | 1 |
| No of Towns STPs installed | 1 |
| No of Towns needing STPs | 1 |
| No of ULBs having partial under ground sewerage network | 2 |
| No of towns not having sewerage network | 0 |
| Total Quantity of Sewage generated in District from ClassII cities and above | 225 MLD |
| Quantity of treated sewage flowing into Rivers (directly or indirectly) | 217.5MLD |
| Quantity of untreated or partially treated sewage(directly or indirectly) | 7.5 MLD |
| Quantity of sewage flowing into lakes | 0 |
| Total available Treatment Capacity | 217.5 MLD in District Amritsar |

• Identification of gaps and action plan for treatment of domestic sewage:

| S. No. | Action points | Gaps and Action Plan | Responsible agency | Timeline for completion of action plan |
|--------|--|--|-----------------------|--|
| 1. | Sewage Treatment Plants(STPs) | Presently there are 03 STPs installed and functioning STP (South) 95 MLD, STP (North) 95 MLD and STP (South-East) 27.5 MLD in Amritsar. Remaining ULBs = DPR to be submitted to Govt./prepared by PWSSB Nagar Panchayat, Ajnala = 4 MLD Municipal Council, Majitha = 2 MLD Nagar Panchayat, Ramdass = 1.5 MLD Nagar Panchayat, Rayya = 3.5 MLD Municipal Council, Jandiala = 5 MLD Nagar Panchayat, Rajasansi = 2 MLD | MCA, ADC (UD) & PWSSB | MCA:- STP installed and functioning NP, Ajnala = 31/03/2023 MC, Majitha = 31/12/2023 NP, Ramdass = 31/12/2023 NP, Rayya = 31/12/2023 MC, Jandiala = 31/12/2023 NP, Rajasansi = 31/12/2023 |
| 2. | Underground sewerage network | Sewerage network is already being laid out in major town and cities. The percentage of sewerage laid is as under;- (i) Amritsar = 100% (ii) Ajnala = 80% (iii) Majitha = 95% (iv) Ramdass = 90% (v) Rayya = 80 % (vi) Jandiala = 80% (vii) Rajasansi = 95% | MCA, ADC (UD) & PWSSB | MCA = Activity Completed Other 06 MCs/NPs = 31.12.2022 |
| 3. | Operation and Maintenance of STPs (i) Arranging funds for operation and maintenance of STPs to ensuring | Completed, no gap | MCA and PWSSB | MCA & PWSSB has informed that funds have been tied up. |

| | | | | |
|----|---|---|---------------|---|
| | regular operation and maintenance of STPs in a professional manner | | | |
| | (ii) Providing proper in-house laboratory facilities at each STP for maintaining record of characteristics of analysis of untreated as well as treated waste water | Completed | MCA and PWSSB | Total STP = 03 Lab not provided = 03 |
| 4. | Provision of necessary treatment facilities in village ponds so that no untreated or polluted water enters river directly or indirectly through various drains or creeks. (i) Finalization of appropriate technology | A. Total no. of villages where appropriate technology is required = 34 B. No. of village ponds for which work has been completed:- Nil C. No. of villages where work is under progress= 04 D. No. of villages where work is yet to be started = 30 | DDPO | 31/12/2022 |
| | (ii) Arrangement of Funds for treatment technology in various villages identified in the Action Plan | A. No. of village ponds for which funds treatment technology arranged: 04 B. The work for arrangements of funds for the remaining village is under process. 30 | DDPO | 31/12/2022 |

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| | (iii) Reuse of water for agriculture purpose in villages. | A. No. of village ponds for which irrigation scheme has been implemented: 02 B. Progress for the remaining villages: work is under progress under the MGNREGA Scheme. | DDPO, Soil conservation department. | 31/12/2022 |
| | (iv) Proper operation and maintenance of treatment facilities installed in village ponds | A. No. of village ponds for which operation and maintenance of treatment facilities installed: Nil B. Progress for the remaining villages for remaining villages work is under progress under the MGNREGA Scheme: 04 | DDPO, Soil conservation department. | 31/12/2022 |
| 5. | (i) Checking of health indices of the in-habitants & maintaining database. | Camps are organized on monthly basis | The Department of Health and Family Welfare | Regular activity |
| | (ii) Holding awareness camps in the catchment area of River Sutlej to make the public aware regarding water borne diseases | | | |
| 6. | (i) Measurement of flow at different locations of River Sutlej & drains. | The flow is being monitored on monthly basis by the drainage department. | Department of Water Resources | Regular activity |
| | (ii) To stop unauthorized discharge in the drains. | <ul style="list-style-type: none"> The regular survey is being done by the concerned departments to stop unauthorized discharge in the drains. The PWBBS has prepared the comprehensive plan of Rejuvenation of Tung Dhab Drain and closure of various outlet. <p>Violation notices has been issued to the unauthorized dairies operating inside/outside MC, limit and discharging</p> | Department of Water Resources, MCA and DDPO. | Regular activity |

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| | | its waste water into Tung Dhab Drain. | | |
| 7. | Shifting of scattered dairies from the city | Latest status: new site for the is under finalization | MCA | Time target: 31.03.2022 |
| 8. | Setting up of additional water bodies/water harvesting structures | District Administration has constituted committees of the officers of various departments on 24.12.2020 and also ADC(D), Amritsar held meeting with District Level Officers on 24.04.2021 and instructions have been issued for identification of existing ponds / water bodies, their area, capacity and flood status etc. | ULBs and ADC(UD) | 31.12.2021 |
| 9. | Guidelines for control of pollution and enforcement of Environmental Norms in marriage halls, banquet halls, party venues etc. along with consent management system. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021) | Already being followed as per guidelines framed by CPCB | PPCB | 31.12.2022 |
| 10. | Installation of ETP in all big units (marriage halls, banquet halls, party venues etc.) which are not connected with the sewer lines. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021) | Being implemented as per guidelines framed by CPCB. <ul style="list-style-type: none"> • Total no. of units: 51 • No. of units having installed ETP / STP: 8 • Gap: 43 | PPCB | 31.12.2022 |

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| 11. | All the units having kitchen should have proper ducting arrangement. The units using DG sets must have the proper stack height. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021) | Already being followed as per guidelines framed by CPCB | PPCB | 31.12.2022 |
| 12. | The local authorities/corporations should carry out inventory of the dairy farms and gaushalas. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021) | All ULBs have inventory of Gaushala and Dairy farms available with them. | All Local Bodies | 30.06.2022 |
| 13. | The local bodies/municipal corporations shall publish a public notice in newspapers and on their website for registration of dairy farms and gaushalas as per municipal law. (Directions of Hon'ble NGT in OA no. 400/2017 dated 04.02.2021) | The Public notice will be given in the Newspaper and on the website of local body for registration of dairy farms and gaushalas | All Local Bodies | Timeline for registration= 31.12.2022 |

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| 14. | The District Collectors of all the Districts are directed to constitute monitoring committees to monitor the Extraction of Ground Water by the individuals for commercial purposes. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020) | Such Committees will be constituted | District Administration | 31.12.2021 |
| 15. | There must be no general permission for withdrawal of ground water, particularly to any commercial entity, without environment impact assessment of such activity on individual Assessment units in cumulative terms covering carrying capacity aspects by an expert committee. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020) | Noted for compliance and will be assured. | All local bodies & DDPO | Regular activity |

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| 16. | All Overexploited, Critical & Sensitive (OCS) assessment units must undergo water mapping. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020) | Water mapping of all the OCS assessment units has been done as per the guidelines of GOI as per GEC-2015 Methodology by taking Block as a Unit of Assessment. The data of years 2015-19 has been taken for assessing the same recently. As per this study out of total 150 Blocks taken for study, 117 Blocks (78%) are "Over-Exploited", 6 Blocks (4%) are "Critical", 10 Blocks (7%) are "Semi-Critical" and 17 Blocks (11%) are in "Safe" category. The water level trends have been computed for last 10 years from 2009-2019 data | Water Resources (Ground water cum NHP wing) and PWRDA | Activity Completed |
| 17. | Water Management Plans need to be prepared for all OCS assessment units in the country based on the mapping data, starting with Overexploited blocks. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020) | Punjab Government has engaged M/s Mekorot, National Water Company of Israel to formulate the Water Conservation and Management Master Plan for the State of Punjab and their final recommendations is likely to be submitted by December 2021. | Water Resources (Ground water cum NHP wing) and PWRDA | 31.03.2022 |
| 18. | The Water Management Plans, data on water availability or scarcity and policy of CGWA must be uploaded on its website for transparency and | Noted for compliance and will be assured. | PWRDA | 31.03.2022 |

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| | public involvement. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020) | | | |
| 19. | The District Magistrates have been directed to take up one pond per village for its rejuvenation, this year. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020) | District Administration has constituted committees of the officers of various departments on 24.12.2020 and also ADC(D), Amritsar held meeting with District Level Officers on 24.04.2021 and instructions have been issued for identification of existing ponds / water bodies, their area, capacity and flood status etc. | DDPO | 31.08.2022 |
| 20. | Active efforts be made in close coordination with technical bodies to tap excess runoff of rivers/canals during rainfall season to recharge old water bodies and retain water in new ponds to be constructed specifically for the purpose (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020) | The excess run of water final reaches rivers, whether it comes through nallah or drain. This water ultimately is controllable at head works where certain pond level is maintained for regulation of canals. Efforts will be also done to find out the alternate way to tap the excess rain fall in ponds. | Drainage | 31.10.2026 |

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| 21. | Development of Bio Diversity Parks in the vicinity of rivers lead to continuous recharge of aquifers. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020) | MCA: There is no bio diversity parks in MC limits yet. 01 Bio-diversity Park will be developed in Amritsar City. | MCA, Forest Department & Drainage Department | 31.03.2022 |
| 22. | Maintenance of E Flow of the rivers. (Directions of Hon'ble NGT in OA no. 325/2015 dated 18.11.2020) | Already Being Maintained | Drainage Department | Completed |
| 23. | Land owning agencies must ensure that every water body has unique ID for its identification. There should be retagging of the water bodies to prevent encroachment. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021) | L-section of all water bodies like drains concerned with Drainage Department has been approved and with name of drains and the Mapping of the Drainage System has been done on google Sheet. | Drainage Department | Completed |
| 24. | Awareness among public to set up Rainwater Harvesting System | Public announcements done regarding rain water harvesting time to time by all ULBs. | Local Bodies | Regular Activity |

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| | and about its utility should be enhanced. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021) | | | |
| 25. | Installation of STP will be mandatory for all residential apartments/group housing societies where groundwater requirement is more than 20 m ³ /day for getting NOCs. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021) | Directions being already followed. | MCA /Department of Urban Development | Regular Activity |
| 26. | Comprehensive plan to install flow meters at various locations to carry out daily real time monitoring of the city's water supply network. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021) | Directions will be followed. Time line for Preparation of plan = 31.03.2022. | MCA, ADC (UD) & PWSSB | MCA Time line for Preparation of plan = 31.03.2022. Time line for implementation of plan = 31.03.2025. ADC(UD) & PWSSB Time line for Preparation of plan = 31.03.2022. Time line for implementation of plan = 30.09.2022. |

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| 27. | Control of illegal extraction of groundwater. (Directions of Hon'ble NGT in OA no. 496/2016 dated 22.01.2021) | Efforts are being made to control illegal extraction of ground water. No authorization is given to public for extracting ground water illegally. Inspection regarding same is being done time to time by ULBs | All Local Bodies | Regular Activity |
| 28. | Review of District Environmental Plan activities at different levels of District Heads and District Magistrate. (Directions of Hon'ble NGT in OA no. 360/2018 dated 05.07.2021) | The Activities of District Environmental Plan will be reviewed on monthly basis by the District Heads and at the level of District Magistrate Amritsar. | District Heads of concerned departments and District Administration. | <ul style="list-style-type: none"> • Monthly Meetings shall be taken by District Head of concerned department for the review of activities of this plan and nodal officer of concerned department will submit the reports to the District Environment Committee and PPCB on monthly basis. • Monthly Meetings shall be taken by the District Administration along-with District Environment Committee. |
| 29. | Appointment of Nodal officer with contact number | All the departments have appointment the Nodal officer and list is attached as Annexure-X | All concerned departments | Completed |
| 30. | Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state. | It is under preparation. | PPCB | Timetarget: 31.10.2021 |
| 31. | Enhancement of capacity of existing ponds/ water bodies and creating | District Administration has constituted committees of the officers of various departments on 24.12.2020 and also ADC(D), Amritsar held meeting with District Level Officers on 24.04.2021 and instructions have | DDPO | Timeline: 31.10.2023 |

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| | of new water harvesting structures. | been issued for identification of existing ponds / water bodies, their area, capacity and flood status etc. | | |
| 32. | Usage of treated sewage for sprinkling purposes for sweeping of roads to control dust pollution. | Progress achieved: <ul style="list-style-type: none"> • MCA: scheme under consideration • DDLG: Being used for sprinkling purposes. • ADA: Already being used for sweeping of roads in various urban estates. | MCA, DDLG and ADA | Regular activity |
| 33. | Mapping of the rivers and flood plain zones in the catchment area of rivers of the State. | The mapping has been done by the Drainage Department in an electronic file. The same can be retrieved from Goggle Earth link https://earth.google.com/web/@31.05081388,75.93504687,-27664.5935166a,181476.44066099d,35y,0.03480517h,45.47133225t,0.0813r?utm_source=earth7&utm_campaign=vine&hl=en | Drainage Department | Completed |
| 34. | Utilization of STPs sludge | STP sludge is used by the farmers as manure. | MCA, DDLG, and ADA | Regular activity |
| 35. | Framing policy for the management of highly contaminated Feacal sludge generated from the rural areas. | Progress achieved: State level policy matter and time target for framing of policy will be informed after taking up matter at higher level. | DDPO | Policy will be framed by 30.04.2022. Implementation = 30.04.2025 |
| 36. | The projects being developed for supply of canal water to the inhabitants of the cities/villages may be completed in a time bound | Site has been identified; and yet to be acquired. Construction of WTP transmission lines up to OSHR will be completed in Phase 1 up to 2025. Budgetary Provision (i) Capital Cost is to be funded by World Bank and Punjab Govt. (ii) Operation & Maintenance Cost shall be borne by MC Amritsar. | MCA | 31.10.2025 DPR and RFP prepared and approved. (i) Floating of RFP – 31.12.2021 (ii) Construction of WTP, Laying of Transmission lines up to OSHRs and Construction of OHSRs will be completed in Phase 1 up to 2025. |

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| | manner. | | | |
| 37. | Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021) | The estimate for laying pipeline for utilization of treated sewage for irrigation has been prepared and the matter regarding release of funds has been taken up with the Head Office of the Department, but funds are yet to be released. | Department of Soil conservation, ULBs/PWSSB | 31.03.2023 |
| 38. | Reuse of treated effluent through proposed STPs (New STPs) (OA no. 496/2016 dated 22.01.2021) | The treated effluent of the following STPs will be utilized for irrigation of agriculture land nearby:- STP, Ajnala STP, Majitha STP, Ramdass STP, Rayya STP, Jandiala STP, Rajasansi | Department of Soil Conservation | NP, Ajnala = 31/03/2023 MC, Majitha = 31/12/2023 NP, Ramdass = 31/12/2023 NP, Rayya = 31/12/2023 MC, Jandiala = 31/12/2023 NP, Rajasansi = 31/12/2023 |
| 39. | Installation, operation & maintenance of online continuous effluent monitoring system with flow meter as well as CCTV cameras for the existing STPs as well as new STPs to be installed. | Total STP = 3 OCEMS Provided = 2 CCTV Cameras Provided = 2 | MCA, ADA, PWSSB | <ul style="list-style-type: none"> • STP (South) 95 MLD = Provided • STP (North) 95 MLD = Provided • STP (South-East) 27.5 MLD = Yet to be provided (Timeline = 31/03/2022) |
| 40. | Activity w.r.t. In-situ remediation technology to be provided in the drains carrying untreated sewage. | All the ULBs have been directed by the Punjab Pollution Control Board to provide in-situ remediation of the waste water carrying drain of the town under their respective jurisdiction. DDPO:- The Ponds are to be constructed in the villages to stop the untreated sewage in the drain. The identification of villages is under process and work is yet to be started. | All ULBs and DDPO | 31.03.2022 |

5. INDUSTRIAL WASTE WATER MANAGEMENT

(a) Current Status related to Industrial Waste water Management

| | |
|--|--|
| Number of Red, Orange, Green and White industries in the district | Red Category unit=214 Orange Category unit=638 Green Category unit=207 |
| No. of Industries discharging wastewater (generating trade effluent) | 198 i. No. of industries installed captive ETP = 140 ii. No. of industries joined CETP = 58 iii. No. of industries joined Re-processor = Nil |
| Status of Water Consent | <ul style="list-style-type: none"> • Regular activity • Total no. of industries requiring consent to operate under Water Act, 1974 Red = 209 Orange =645 Green=168 • Total no. of units having valid consent as on 31.08.2021 Red = 188 Orange =404 Green=102 • Timeline for grant of consents to the balance units not having valid consent. Red = 31.03.2022 Orange = 30.06.2022 Green= 30.09.2022 |
| Total Quantity of industrial wastewater generated | 37MLD |

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|---|--|
| Quantity of treated industrial wastewater discharged into Nalas/ Rivers | 25.5 MLD |
| Common Effluent Treatment Facilities | No CETP |
| No. of Industries meeting Standards | It is a regular activity and PPCB is monitoring the industries including inspections and samplings. Around 10% units are randomly inspected per month. |
| No. of Industries not meeting discharge Standards | It is a regular activity and PPCB is monitoring the industries including inspections and samplings. |

(b) Identification of gaps and action plan for industrial wastewater:

| S.No. | Action points | Gaps and Action Plan | Responsible agency | Timeline for completion of action plan |
|-------|--|--|--------------------|---|
| 1. | Compliance to discharge norms by Industries | Necessary action is being taken against the industries not meeting the standards. | PPCB | Regular activity |
| 2. | Complaint redressal system | Online compliant system already developed and web link is https://connect.punjab.gov.in/grievance/save | PPCB | Activity complied |
| 3. | Shifting of small scale scattered dyeing units in Amritsar | <ul style="list-style-type: none"> • Various Industrial plots from time to time are put up on e-auction by PSIEC for shifting of Industry to designated area. • The small scale scattered dyeing units are being directed either to shift to CETP compatible area or to upgrade its ETP as per the ZLD technology. Further action is | PSIEC | Time Target: 31.10.2023 (Except the unit adopted the ZLD) |

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| | | under process. | | |
| 4. | Construction of Slaughter house and Caracass plant a. Modernization of existing slaughter house located at Amritsar | <ul style="list-style-type: none"> The work of slaughter house has been completed and is working. | Municipal Corporation, Amritsar | Work completed |
| | b. Rendering Plant | <ul style="list-style-type: none"> Tenders already floated. | MCA | Time Target: 31.03.2022 |
| | c. Installation of Caracass utilization plant. | <ul style="list-style-type: none"> The work is under progress. | MCA | Time Target: 31.03.2022 |
| 5. | Installation of Online Continuous Monitoring System by | | PPCB | |
| | 1. CETP for electroplating units | No CETP | | -- |
| | 2. 17 categories of industries. | OCEMS already installed. | PPCB | OCEMS installed |
| | 3. Industries with discharge more than 50 KLD and not connected with any CETP. | Nil | PPCB | 31.03.2022 |
| 6. | Installation of Electromagnetic flow meters at inlet and outlet of ETP. | The most of the industry have already installed the EMF meters. The rest of the unit will be directed to provide the same within this period. | PPCB | 30.04.2022 |
| 7. | Inspection of units to check compliance | Inspection already being made | PPCB | Regular activity |

6. MINING ACTIVITY MANAGEMENT PLAN

(a) Current Status related to Mining Activity Management

| Details of Data Requirement | Existing Mining operations |
|--|----------------------------|
| Type of Mining Activity | Sand Mining |
| No of licensed Mining operations in the District | 03 |
| %Area covered under mining in the District | 5.38 Hectares |
| Area of Sand Mining | 5.38 Hectares |
| Area of sand Mining | Riverbed = 5.38 Hectares |

(b) Identification of gaps and action plan:

| S. No. | Action points | Gaps and Action Plan | Responsible agency | Timeline for completion of action plan |
|--------|--|--|-------------------------------|--|
| 1. | Monitoring of Mining activity | A district level task team Already Constituted | Department of water resources | Regular activity |
| 2. | Inventory of illegal mining if any mining | Regular surveillance, patrolling is being carried out to check the illegal mining. | Department of water resources | Regular activity |
| 3. | Environment compliance by Mining industry | Regular surveillance, patrolling is being carried out to check the compliance. | Department of water resources | Regular activity |
| 4. | Demarcation of boundaries for regulating grant of sand mining lease. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Demarcation of Mining lease has been carried out before granting the final approval to the contractor/leasee and the same has been checked on regular basis by concerned Revenue Department in presence of Mining Department by DGPS System. | Drainage Department | Regular Activity |

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|----|--|--|---------------------|------------------|
| 5. | Mining in all blocks is undertaken as per provisions of EIA Notification, 2006; MOEF Notification dated 15.1.2016 and the Sustainable Sand Mining Management Guidelines, 2016. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | <p>i. As per the guidelines, there is provision for obtaining E.C before commencement of mining.</p> <p>ii. According to the SSMMG, 2016 issued by MOEF&CC, mining work is restricted from riverbed during the monsoon season. (Thus in the month of July, August and September in the State.)</p> | Drainage Department | Regular activity |
| 6. | No sand mining is permitted without due compliance of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as well as regulations governing clearances by the Central Ground Water Authority. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | <p>The conditions mentioned in the Environmental Cleanliness Certificate issued by the State Level Environment Impact Authority (SEIAA), are being followed.</p> <p>No Mining operations in the leveled riverbed shall be carried out beyond the depth of 3 meters or water level whichever is less/lower.</p> | Drainage Department | Regular activity |
| 7. | District authorities shall seize all sump pumps, other machinery, tools, vehicles, etc. used for carrying out illegal sand mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Machinery/vehicles/tools/sumps-pumps found on illegal mining spot is being seized by the Concerned Authorities and handed over to the Police Administration. | Drainage Department | Regular activity |
| 8. | Any penalty imposed or not by concerned Department to cover the restoration cost of environment and to compensate the victims.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | While examine the illegal mining spot penalty imposed by the concern department by following the proper guidelines laid by Govt./Hon'ble NGT from the land owners and the Machinery owners. | Drainage Department | Regular activity |
| 9. | Status of a detailed restoration plan for the concerned river and its river beds. (Directions of Hon'ble NGT in OA no. | Mining work is being done on basis of approved mining scheme by including the | Drainage Department | Regular Activity |

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| | 360/2015 dated 26.02.2021) | restoration plan in the mining plan which is recommended by Concerned Mining Officer & approved by State Geologist, Pb. | | |
| 10. | Status of CCTV Cameras installation at mining points to verify the amount of sand extracted. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | CCTV cameras has been installed at mining points and integrated with Govt. Web-Portal. | Drainage Department | Installed |
| 11. | Status of regular patrolling by the police to inspect the mining operations. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Police patrolling is being done on regular basis. | Police Department | Regular activity |
| 12. | Status of daily reports regarding mining to be filed by SHO/ Mining officer to be sent to District Magistrate.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Regular checking's and inspections are conducting for prevention of illegal mining activity in District by the Special Flying squads time to time and when required & for daily patrolling/checking and regular checking's the report has been sent to DC/DM/DMO. | Police Department & Drainage Department | Being followed. |
| 13. | Status of vehicles confiscation. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | In Compliance of the Rules and Guidelines laid down by State Govt. & Hon'ble NGT Total 451 FIR's has been lodged under the jurisdiction of District Amritsar and total 655 No's Vehicles has been impounded by the Concerned Officials during the period of 01/2018 to 06/2021 | Police Department & Drainage Department | Regular activity. |
| 14. | Status of setting up of dedicated institutional mechanism for monitoring of conditions of Environmental Clearance as granted under EIA | The process for establishment of Monitoring System in the State by the Head Office, Water Resources | Drainage Department | Tender has been done, time of completion 31.10.2023. |

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| | Notification, 2006 in respect of sand and gravel mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Department, Pb. Chandigarh is under process, Publication for tender has been done the Head Office. | | |
| 15. | Necessary steps to be taken by District Administration for the effective monitoring mechanisms for preventive and remedial measures including surveillance system for recovery of compensation.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | District Administration has constituted Flying Squad Teams for regular checking's and inspections for proper monitoring the illegal mining activity in District & Night Duty Roaster of Diff. Department Official's has been prepared for Night time Inspection has been prepared on monthly basis by District Administration (Amritsar) Moreover, The process for establishment of Monitoring System in the State by the Head Office, Water Resources Department, Pb. Chandigarh. | Drainage Department | Regular activity |
| 16. | Electronic surveillance through UAVs/Remote Sensing is a good surveillance option especially in areas where sand mafias are active. Night vision drones could be used for checking mining activity at night. (Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | The process for establishment of Monitoring System (Electronic Surveillance through UAVs/Remote Sensing) in the State by the Head Office, Water Resources Department, Pb. Chandigarh is under process, Publication for tender has been done the Head Office. | Drainage Department | Tender has been done, time of completion 31.10.2023. |
| 17. | Sensitive spots need to be identified and police presence- both static presence and dynamic patrolling needs to be beefed up there. DMs / SSPs be made directly responsible for checking illegal mining.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Police presence- both static presence and dynamic patrolling is being done on sensitive spots. | Police Department | Regular Activity |

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| 18. | Storage Godowns should be at least 5 kms away from the river bank. Otherwise, illegal mining can be carried on under the garb of storage by the leaseholder himself.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | The storage godowns/ stock yards established outside the river bank and maximum storage godowns more than 5kms from the pit site, after proper demarcation and assessment of the minor mineral with the help of revenue department, pillaring/ fencing of the storage/stock yard is done on site and enteries of that storage/stock is entered in Govt. Portal. However, during the upcoming moonsoon season more effective measures will be taken up for compliance of this guideline. | Drainage Department | Regular Activity |
| 19. | Geo-fencing of sites, their physical demarcation, allotment of geo-coordinates to all the pillars and their constant physical inspection and electronic surveillance is a must to ensure that the mining activity is as per the approved mining plan and no illegal mining, detrimental to environment, is going on.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Demarcation of Mining lease has been carried out before granting the final approval to the contractor/leasee and the same has been checked on regular basis by concerned Revenue Department in presence of Mining and pillaring is carried out on siteto ensure that mining activity is as per the approved mine plan. | Drainage Department | Completed |
| 20. | There has to be a mechanism to ensure that the actual mining activity conforms to the approved Mining Plan and the approved Environment Management Plan (EMP). Besides the statutory system of Departmental inspections, there has to be a system of annual mandatory Environmental Audit by experts. Environment Department can empanel some experts/expert institutions with standard TORs and Remuneration terms which could be utilized by the Mines Department on a | In state of Punjab, a Govt. Web Portal has been introduced for the transparent function of extraction/ transportation/ sale of minor mineral. In which the record of extraction is maintained and a team of experts audits this system annually. To bring the transparency in system, each weightment slip provided to the transportor, contains a QR Code & can be scanned by any smartphone available in market, to get the desired information of the minor mineral. | Drainage Department | Regular Activity |

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|-----|--|--|---------------------|------------------|
| | regular basis.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | | | |
| 21. | There has to be an effective mechanism for restoration of environment in case of its degradation due to mining. A portion of the royalty could be reserved for it as Environment Restoration Fund. The Environment Department can empanel some reputed institutions 21 with standard terms for preparing environmental restoration plans which could be used directly by the Mining Department without the arduous formalities.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | At present stage no such problem or situation occurs in District Amritsar& during the mining activity in Agricultural/non riverbed mine area, the plantation is being carried out in the land under the mine lease if it belong to the state/central Govt., & wherever the land belongs to the private land owners the crops/farming is being done by the owners, so that the land with sandy strata is converted into the fertile land by removing the sand in such land. | Drainage Department | 31.12.2021 |
| 22. | States/UTs to strictly follow the SSMG-2016 read with EMGSM-2020 reinforced by mechanism for preparation of DSRs.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | During the action against illegal mining activity, if any type of vehicle (Tractor Trolley/Truck/Tipper/JCB/Poclaim/ other vehicle) got impounded/seized during the action, after the proper legal procedure taken by the concerned department the such vehicle is released. | Drainage Department | Regular Activity |
| 23. | Annual reports on the subject and such annual reports may be furnished to MoEF& CC by 30th April every year giving status till 31st March. First such report as on 31.03.2022 may be filed with the MoEF&CC by all he States/UTs on or before 30.04.2022.(Directions of Hon'ble NGT in OA no. 360/2015 dated 26.02.2021) | Needful will be done. | Drainage Department | 30.04.2022 |

7. NOISE POLLUTION MANAGEMENT PLAN

(a) Current Status related to Noise Pollution Management

| Details of Data Requirement | Measurable Outcome |
|--|---|
| No. of noise measuring devices available with various agencies in district | Name of agency = Police and PPCB Nos. of analyzers required =78 Nos. of analyzers available =01 Timeline to arrange balance noise analyzers = 77 (By Police Department i.e. one meter to each SHO) |

(b) Identification of gaps and action plan:

| S. No. | Action points | Gaps and Action Plan | Responsible agency | Timeline for completion of action plan |
|--------|---|---|---|---|
| 1. | Availability of Sound/Noise Level Meters. | <ul style="list-style-type: none"> Nos. of analyzers required = 78 Nos. of analyzers available = 01 Gap 77 | PPCB and Police Department | 30.06.2022 |
| 2. | Ambient Noise Level monitoring | 01 noise level meter is only available with PPCB. Other concerned department also require noise level meter. | Office of Sub Divisional Magistrate/Police Department/ PPCB | 31.12.2022 |
| 3. | Signboards in Noise zones | 25 nos. Sign boards are installed at sensitive zones. More sign board will be installed | MCA & ULBs | 30.04.2022 |
| 4. | Complaint redressing system | Public complaint redressal system already established in the district and web link is https://connect.punjab.gov.in/grievance/save | District Administration, Police Department and PPCB | -- |
| 5. | Checking of pressure horn of vehicles | Regular checking of vehicle is being done by the police department and same activity will be continued. | Police Department. | Regular activity. The checking will be done twice in a month. |

List of Nodal Officers (Annexure-X)
List of the Nodal Officers of the stakeholder Departments

| Sr. No. | Name of the Department | Nodal Officer Name | Designation | Mobile no. | Email Id |
|---------|---|--------------------------------|---|--------------|--|
| 1. | Municipal Corporation, Amritsar | Sh. Malwinder Singh Jaggi, IAS | Commissioner Municipal Corporation, Amritsar | 98759-75100 | cmcasr@punjab.gov.in |
| 2. | The Additional Commissioner (Urban Development), Amritsar | Sh. Ruhee Dugg | Additional Commissioner (Urban Development), Amritsar | 96535-13669 | adcgasr1@gmail.com |
| 3. | Punjab Pollution Control Board | Sh. Harpal Singh | Environmental Engineer | 98789-50554 | ppcbroamritsar@gmail.com |
| 4. | Regional Transport Authority, Amritsar | Sh. Arashdeep Singh Lobana | RTA | 0183-2565244 | rtaamritsar02@gmail.com |
| 5. | Police Department | Sh. Sarabjit Singh | ACP North | 97811-30107 | cpo.asr.police@punjab.gov.in |
| 6. | Distt. Development and Panchayat Officer, Amritsar(DDPO) | Sh. Gurpreet Singh Gill | DDPO | 98152-44331 | ddpoamritsar@gmail.com |
| 7. | District Soil Conservation Officer, Department of Soil & Water Conservation, Amritsar | Sh. Gurwinder Singh | DSCO | 9801866722 | asrdsco@gmail.com |
| 8. | Superintending Engineer, Punjab Water Supply & Sewerage Board, Amritsar | Sh. Harpreet Singh Dhillon | SDO | 83609-07229 | eepwssdasr2@gmail.com |
| 9. | PWD (B&R), Amritsar | Sh. Inderjit Singh | Executive Engineer | 94170-25026 | ee.cd1.asr.pwd@punjab.gov.in |

| | | | | | |
|-----|--|---|--|----------------------------|--|
| 10. | Department of Water Resources & Drainage, Amritsar | Sh. Charanjit Singh Sh. Gurmit Singh | Executive Engineer SDO | 84271-73500 95010-52222 | xendrainage@gmail.com |
| 11. | Agriculture Department, Amritsar | Sh. Jagwinder Singh | Chief Agriculture Officer | 98155-15026 | caoamritsar@yahoo.com |
| 12. | Forest Department, Amritsar | Sh. Surjeet Sahota | DFO, Asr | 97813-00404 | dfoamritsar@rediffmail.com |
| 13. | PSIEC, Amritsar | Sh. Davinder Singh | SDO | 74520-00012 | psiec_chd@yahoo.com |
| 14. | District Food & Civil Supply Officer, DFSC, Amritsar | Sh. Rishi Mehra | DFSC | 81465-36161 | dfsc.dfs.asr@punjab.gov.in |
| 15. | Education Department | Dr. Satinderbir Singh | DEO(Sr.) | 88722-63511 | Deoee.amritsar@punjabeducation.gov.in |
| 16. | Health Department | Sh. Pankaj Upadhayaya | Sr. Asstt. Manager SWM, Project | 96464-90339 | cmcasr@punjab.gov.in |
| 17. | Animal Husbandry | Sh. Pawan Kumar Malhotra | Deputy Director | 98156-54948 | ddahamritsar@gmail.com |
| 18. | Labour Department Amritsar | Sh. Santokh Singh Aulakh, | Asstt. Labour Commissioner | 80547-62323 | alcamritsar1@gmail.com |
| 19. | Director of Factories Amritsar | Er. Ishu Sanghar | Assistant Deputy Director of Factories, Amritsar | 81980-84514 | ishuadf@gmail.com. |