

## Agenda for 2<sup>nd</sup> Review meeting i.e. activates of District Environment Plan with timeline upto 30.06.2022

### 2.0 WASTE MANAGEMENT PLAN

#### (i) Solid Waste Management

| S.No.        | Action points For villages / blocks/town municipalities /City corporations | Identification of gap   | Action Plan   | Responsible agencies   | Timeline for completion of action plan  |
|--------------|--|---|---|--|---|
| <b>1.</b>    | <b>Segregation</b>   |   |   |  |   |
| <b>I.</b>    | Municipal Corporation, Moga  | Achievement-85%<br>Gap – 15%  | To maintain 100% segregation all the times.   | Commissioner, Moga   | 30-06-2022  |
| <b>VIII.</b> | Villages of District Moga (324)  | Achievement-Not Adequate (for 324 villages) : 340 Gram Panchayats   | Yet to prepare.   | ADC (D) / DDPO / XEN Panchayati Raj  | Preparation of action plan and Execution starts from 30.06.2022<br><br>Completion:<br><ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
| <b>2</b>     | <b>Sweeping</b>  |   |   |  |   |
| <b>(i)</b>   | <b>Manual Sweeping</b>   |   |   |  |   |
| <b>(iii)</b> | Villages Panchayat (324 villages / 340 Gram Panchayats)                    | Action under process  | More manpower is being deployed.  | ADC (D) / DDPO / XEN Panchayati Raj  | Preparation of action plan and Execution starts from 30.06.2022<br><br>Completion:<br><ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
| <b>3</b>     | <b>Waste Collection</b>  |   |   |  |   |
| <b>(i)</b>   | 100% collection of solid waste   | <ul style="list-style-type: none"> <li>• 100% D to D is achieved by all MCs/NPs</li> </ul> Village Panchayats (for 324 villages/ 340 Gram | <ul style="list-style-type: none"> <li>• To maintain 100% D to D by ULBs</li> <li>• Action plan is yet to be prepare</li> </ul> | <ul style="list-style-type: none"> <li>• ULBs</li> <li>• ADC (D) / DDPO / XEN</li> </ul> | <ul style="list-style-type: none"> <li>• Regular activity</li> <li>• Preparation of action plan and Execution starts</li> </ul>   |

|      |   |  |  |  |  |
|------|---|--|--|--|--|
|      |   | Panchayats = Not adequate  |  | Panchayati Raj   | from 30.06.2022<br>Completion:<br><ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>  |
| (ii) | Arrangement for door to door collection | <ul style="list-style-type: none"> <li>• By providing waste collection trolleys &amp; tricycle with compartments in each ward of MC/NP</li> </ul> <p><b>MC Moga</b><br/>Required-200<br/>Provided-200<br/>Gap-0</p> <p><b>MC Baghapurana-</b><br/>Required-38<br/>Provided-15<br/>Gap-23</p> <p><b>MC Dharamkot</b><br/>Required-13<br/>Provided-13<br/>Gap-0</p> <p><b>NP Kot Ise Khan</b><br/>Required-16<br/>Provided-16<br/>Gap-0</p> <p>NP Nihal Singh Wala<br/>Required-20<br/>Provided-14<br/>Gap-6</p> <p>NP Fatehgarh Panjtoor<br/>Required-11<br/>Provided-11<br/>Gap-0</p> <p><b>NP Badhni Kalan</b><br/>Required-13<br/>Provided-11<br/>Gap-2</p> <ul style="list-style-type: none"> <li>• In villages Required -646</li> <li>• Available - Nil</li> </ul> | <ul style="list-style-type: none"> <li>• As per requirement, manpower and mechanical arrangements will be increased to ensure 100% D to D collection.</li> </ul> | <ul style="list-style-type: none"> <li>• ULBs</li> </ul> | <p><b>MC Moga</b><br/>Activity completed<br/><b>MC</b><br/>Baghapurana-<br/>30-06-2022</p> <p><b>MC Dharamkot</b><br/>Activity completed</p> <p>NP Kot Ise Khan<br/>Activity completed</p> <p>NP Nihal Singh Wala<br/>30-06-2022</p> <p>NP Fatehgarh Panjtoor:<br/>Activity completed</p> <p><b>NP Badhni Kalan ;</b><br/>30.06.2022</p> <p>Preparation of action plan and Execution starts from 30.06.2022</p> <p>Completion:<br/> <ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> </ul> </p> |

|       |   |  |  |   |  |
|-------|---|--|--|---|--|
|       |   |  |  |   | upto 30.06.2024<br>• 240 villages upto 30.06.2025<br>• 324 villages upto 30.06.2026  |
| (iv)  | Mini Collection Trucks with separate compartments                     | <ul style="list-style-type: none"> <li>Mini collection trucks / Tata Ace provided with separate compartments<br/> <b>MC Moga</b><br/>           Required-10<br/>           Provided-10<br/>           Gap-0<br/> <b>MC Baghapurana-</b><br/>           Required-6<br/>           Provided-6<br/>           Gap-0<br/> <b>MC Dharamkot</b><br/>           Required-1<br/>           Provided-0<br/>           Gap-1<br/> <br/> <b>NP Kot Ise Khan</b><br/>           Required-5<br/>           Provided-0<br/>           Gap-5<br/> <br/>           NP Nihal Singh Wala<br/>           Required-1<br/>           Provided-0<br/>           Gap-1<br/> <br/>           NP Fatehgarh Panjtoor<br/>           Required-1<br/>           Provided-0<br/>           Gap-1<br/> <br/>           In villages (for 324 villages/ 340 Gram Panchayats) – not adequate</li> </ul> | <ul style="list-style-type: none"> <li>As per requirement, waste collection trucks will be increased to ensure 100% D to D collection.</li> <li>In villages – Action plan is yet to be prepare.</li> </ul> | <ul style="list-style-type: none"> <li>ULBs</li> <li>ADC (D) / DDPO / XEN Panchayati Raj</li> </ul> | <b>MC Moga Activity completed</b><br><b>MC Baghapurana Activity completed</b><br><br><b>MC Dharamkot : 30.11.2022</b><br><br>NP Kot Ise Khan 30-11-2022 (e-rickshaws to be purchased through tender/gem process)<br><br>NP Nihal Singh Wala 30-06-2022<br><br>NP Fatehgarh Panjtoor : 31.08.2022<br><br><b>Preparation of action plan and Execution starts from 30.06.2022</b><br><br>Completion:<br>• 80 villages upto 30.06.2023<br>• 160 villages upto 30.06.2024<br>• 240 villages upto 30.06.2025<br>• 324 villages upto 30.06.2026 |
| (iv)  | <b>Waste Deposition centers (WDC) (for domestic hazardous wastes)</b> |  |  |   |  |
| VIII. | Villages Panchayat (324 villages / 340 Gram Panchayats)               | Required= 324<br>Installed=0   | Action plan is yet to be prepared along-with solid Waste Management.   | ADC (D) / DDPO / XEN Panchayati Raj   | <b>Preparation of action plan and Execution starts from 30.06.2022</b><br><br>Completion:<br>• 80 villages upto  |

|                          |   |  |          |         |  |
|--------------------------|---|--|----------|---------|--|
|                          |   |  |          |         | <p>30.06.2023</p> <ul style="list-style-type: none"> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>   |
| <b>4 Waste Transport</b> |   |  |          |         |  |
| (i)                      | Review existing infrastructure for Waste Transport. | <ul style="list-style-type: none"> <li>• Waste transport vehicles<br/> <b>MC Moga</b><br/> Required-22<br/> Provided-22<br/> Gap-00<br/> <b>MC Baghapurana</b><br/> Required-3<br/> Provided-3<br/> Gap-0<br/> <b>MC Dharamkot</b><br/> Required-14<br/> Provided-11<br/> Gap-3<br/> NP Kot Ise Khan<br/> Required-21<br/> Provided-16<br/> Gap-5<br/><br/> NP Nihal Singh Wala<br/> Required-17<br/> Provided-17<br/> Gap-0<br/><br/> <b>NP Fatehgarh Panjtoor</b><br/> Required-1<br/> Provided-0<br/> Gap-1</li> <li>• For Villages<br/> Required:324<br/> Provided:20<br/> Gap304</li> </ul> | Adequate | MCs/NPs | <p><b>MC Moga</b><br/>Activity completed</p> <p>Activity completed</p> <p><b>MC Dharamkot :</b><br/>30.11.2022</p> <p>NP Kot Ise Khan<br/>30-11-2022 (e-rickshaws to be purchased through tender/gem process)</p> <p>NP Nihal Singh Wala : Activity completed</p> <p><b>NP Fatehgarh Panjtoor :</b><br/>31.08.2022</p> <p>Preparation of action plan and Execution starts from 30.06.2022</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
| (ii)                     | Bulk Waste Trucks                                   | <p><b>MC Moga</b><br/>Required-0<br/>Provided-0<br/>Gap-0</p> <p><b>MC Baghapurana</b><br/>Required-0<br/>Provided-0</p>   | Adequate | MCs/NPs | <p><b>MC Moga</b><br/>Activity completed</p> <p><b>MC</b> Activity completed</p>   |

|  |  |  |  |                                     |   |
|--|--|--|--|-------------------------------------|---|
|  |  | <p>Gap-0</p> <p>MC Dharamkot<br/>Required-0<br/>Provided-0<br/>Gap-0</p> <p>NP Kot Ise Khan<br/>Required-0<br/>Provided-0<br/>Gap-0</p> <p>NP Nihal Singh Wala<br/>Required-0<br/>Provided-0<br/>Gap-0</p> <p>NP Fatehgarh Panjtoor<br/>Required-0<br/>Provided-0<br/>Gap-0</p> <ul style="list-style-type: none"> <li>For Villages<br/>Required:324<br/>Provided:0<br/>Gap:324</li> </ul> |  |                                     | <p>MC Dharmkot :<br/>Activity completed<br/>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p> <p>Preparation of action plan and Execution starts from 30.06.2022</p> <ul style="list-style-type: none"> <li>80 villages upto 30.06.2023</li> <li>160 villages upto 30.06.2024</li> <li>240 villages upto 30.06.2025</li> <li>324 villages upto 30.06.2026</li> </ul> |
| <b>5 Waste Treatment and Disposal</b>  |  |  |  |                                     |   |
| <b>(ii) Wet-waste Management: Facilities for central Bio-methanation/ Composting of wetswaste.</b> |  |  |  |                                     |   |
| <b>VIII.</b>   | Villages Panchayat (324 villages / 340 Gram Panchayats)        | Not Adequate   | Plan yet to be prepared  | ADC (D) / DDPO / XEN Panchayati Raj | <p>Preparation of action plan and Execution starts from 30.06.2022</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>80 villages upto 30.06.2023</li> <li>160 villages upto 30.06.2024</li> <li>240 villages upto 30.06.2025</li> <li>324 villages upto 30.06.2026</li> </ul>   |
| <b>(iii)</b>   | Dry-Waste Management: Material Recovery for dry-waste fraction | <p>MC Moga- 2<br/>MC Baghapurana-1<br/>MC Dharamkot - 1<br/>NP Kot Ise Khan -1<br/>NPNihal Singh Wala-1<br/>NP Badhni Kalan – 1<br/>NP FatehgarhPanjtoor - 1</p> <p>Status of agreement signed</p>   | All MCs/NPs have provided required no. of Material Recovery Facilities | MCs / NPs                           | Activity completed  |

|      |  |   |  |           |   |
|------|--|---|--|-----------|---|
|      |  | <p>by Bulk waste generators with MC/NP</p> <p><b>MC Moga</b><br/>Identified:54<br/>Agreement made:30<br/>Gap-24</p> <p><b>MC Baghapurana-</b><br/>Identified:5<br/>Agreement made:5<br/>Gap-0</p> <p><b>MC Dharamkot</b><br/>Identified:03<br/>Agreement made:0<br/>Gap-03</p> <p>NP Kot Ise Khan<br/>Identified:3<br/>Agreement made :0<br/>waste generator.</p> <p>NP Nihal Singh Wala<br/>Identified:1<br/>Agreement made:1<br/>Gap-0</p> <p>NP Fatehgarh Panjtoor<br/>Identified:1<br/>Agreement made:1<br/>Gap-0</p> <ul style="list-style-type: none"> <li>• VillagesPanchayat -Not provided</li> </ul> |  |           | <p><b>MC Moga</b><br/>30-06-2022</p> <p><b>MC</b><br/>Baghapurana-<br/>Activity<br/>completed</p> <p><b>MC Dharamkot</b><br/>30-06-2022</p> <p><b>NP Kot Ise</b><br/>Khan: 30.06.2022</p> <p>Activity completed</p> <p>Activity completed</p> <p>Preparation of action plan and Execution starts from 30.06.2022</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
| (iv) | Disposal of inert and non-recyclable wastes AND construction Sanitary Landfill | <p>All MCs / NPs have already identified land for sanitary landfill site and work is yet to be started.</p> <p><b>NP Nihal Sinhg Wala</b> has already started construction work and the same will be completed soon.</p>  | Remaining MCs/NPs are in the process of establishing sanitary landfill sites for which DPRs / tendering process is being carried out | MCs / NPs | 31.12.2022  |

|  |                                   |   |   |                       |   |
|--|-----------------------------------|---|---|-----------------------|---|
|  |                                   | <p>NP Badhni Kalan:<br/>Sanitary landfill:<br/>NA</p> <p>NP Fatehgarh<br/>Panjtoor : No<br/>requirement of<br/>Sanitary landfill</p> <p>Villages / villages<br/>Panchayat -Not<br/>provided</p> | Action Plan yet to be prepared  | DDPO / Panchayati Raj | <p>NP Badhni Kalan:<br/>-</p> <p>NP Fatehgarh<br/>Panjtoor : --</p> <p>Preparation of<br/>action plan and<br/>Execution starts<br/>from 30.06.2022</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>• 90 villages upto 30.06.2023</li> <li>• 180 villages upto 30.06.2024</li> <li>• 270 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
| <b>(v) Remediation of historic / legacy dumpsite</b> |                                   |   |   |                       |   |
| III.   | Municipal Council, Dharamkot      | <ul style="list-style-type: none"> <li>• Total legacy waste – 45 MT</li> <li>• Waste remediated – 25 MT</li> <li>• Balance – 20 MT</li> </ul>   | The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste. | EO, Dharamkot         | 31.07.2022  |
| IV.  | Nagar Panchayat, Kot Ise Khan     | <ul style="list-style-type: none"> <li>• Total legacy waste – 50 MT</li> <li>• Waste remediated – 45</li> <li>• Balance – 5 MT</li> </ul>   | The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste. | EO, Kot Ise Khan      | 30.06.2022<br>Winrows of waste have been made the remediation of waste will be started of dryness.  |
| V.   | Nagar Panchayat, Nihal Singh Wala | <ul style="list-style-type: none"> <li>• Total legacy waste = 421 MT</li> <li>• Waste remediated – 380 MT</li> <li>• Balance – 41 MT</li> </ul>   | The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste. | EO, Nihal Singh Wala  | 30.06.2022  |
| VI.  | Nagar Panchayat, Badhni Kalan     | <ul style="list-style-type: none"> <li>• Total legacy waste = 150 MT</li> <li>• Waste remediated – 120 MT</li> <li>• Balance – 30 MT</li> </ul>   | The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste. | EO, Badhni Kalan      | 30.06.2022  |

|              |  |  |  |   |  |
|--------------|--|--|--|---|--|
|              |  |  | waste.   |   |  |
| <b>VII.</b>  | Nagar Panchayat, Fatehgarh Panjtoor  | <ul style="list-style-type: none"> <li>• Total legacy waste = 25 MT</li> <li>• Waste remediated – 12 MT</li> <li>• Balance – 13 MT</li> </ul>  | The machinery like mechanical trammel, JCB has been purchased and same has been installed at legacy waste dumpsite to remediate the legacy waste.  | EO, Fatehgarh Panjtoor  | 30.06.2022   |
| <b>VIII.</b> | Villages Panchayat   | Not Started  | Scheme for treatment of legacy waste in villages is yet to be prepared accordingly.  | ADC (D) / DDPO / XEN Panchayati Ra  | <p>Preparation of action plan and Execution starts from 30.06.2022</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul>  |
| <b>(vii)</b> | EPR of Producers: Linkage with Producers / Brand Owners                    | Linkage with Producers / Brand Owners  | The producers / brand owners are being pursued to submit the action plan for disposal of plastic waste under EPR.                                  | ULBs  | 30.06.2022   |
| <b>(ix)</b>  | Preparation of own by-laws to comply with SWM Rules 2016                   | <ul style="list-style-type: none"> <li>• All MCs/NPs have already prepared</li> <li>• In village panchayats - yet to prepare.</li> </ul>   | <ul style="list-style-type: none"> <li>• All MCs/NPs have prepared</li> <li>• For village panchayats –Action plan is yet to be prepare.</li> </ul> | <ul style="list-style-type: none"> <li>• ULBs</li> <li>• ADC (D) / DDPO / XEN Panchayati Raj</li> </ul> | <ul style="list-style-type: none"> <li>• Activity completed</li> </ul> <p>Preparation of action plan and Execution starts from 30.06.2022</p> <p>Completion:</p> <ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
| <b>(xi)</b>  | Provision of green belt and boundary wall around solid waste dumping site. | <p><b>MC Moga</b><br/>Green Belt – Not provided<br/>Boundary Wall - Yes</p> <p><b>MC Baghapurana</b><br/>Green Belt -Provided<br/>Boundary Wall – Provided-</p> <p><b>MC Dharamkot</b><br/>Green Belt – Partially Provided</p> | The green belt around the boundary wall and construction of boundary wall of remaining MCs/NPs will be stated & completed by 31.03.2022            | All MCs/NPs   | <p>MC Moga<br/>30.06.2022</p> <p>MC Baghapurana:<br/>Activity Completed</p> <p>MC Dharamkot :</p>  |



|       |  |   |   |      |  |
|-------|--|---|---|------|--|
|       |  | <p>Boundary Wall - Provided</p> <p><b>NP Kot Ise Khan</b><br/>Green Belt – Not provided<br/>Boundary Wall - Yes</p> <p><b>NP Nihal Singh Wala</b><br/>Green Belt – Not provided<br/>Boundary Wall – Provided</p> <p><b>NP Badhni Kalan</b><br/>Green Belt – Yes<br/>Boundary Wall –Yes</p> <p><b>NP Fatehgarh Panjtoor</b><br/>Green Belt – Not provided<br/>Boundary Wall – Yes</p>  |   |      | <p>Activity completed</p> <p>NP Kot Ise Khan : 31.07.2022 A letter this regard has been sent on dated 29.10.2021 to <a href="mailto:rfdmoga@gmail.com">rfdmoga@gmail.com</a> On reply, a message received that due to off season no plantation has been grown.</p> <p>NP Nihal Singh Wala : 30.06.2022</p> <p>NP Badhni Kalan: Activity completed</p> <p>NP Fatehgarh Panjtoor- 30.06.2022</p> |
| (xii) | Providing compartments and GPS tracking in garbage carrying vehicles | <p>Status of providing compartments &amp; GPS tracking in garbage carrying vehicle.</p> <p><b>MC Moga</b><br/>Required-26<br/>Provided-6<br/>Gap-20</p> <p><b>MC Baghapurana</b><br/>Required-3<br/>Provided-3<br/>Gap-0</p> <p><b>MC Dharamkot</b><br/>Required-1<br/>Provided-1<br/>Gap-0</p> <p>NP Kot Ise Khan<br/>Required-2<br/>Provided-2<br/>Gap-0</p> <p>NP Nihal Singh Wala<br/>Required-2<br/>Provided-2<br/>Gap-0</p> <p>NP Fatehgarh</p> | MC/NP are providing compartments & GPS tracking in garbage carrying vehicle | ULBs | <p><b>MC Moga</b><br/>30-06-2022</p> <p><b>MC Baghapurana</b><br/>Activity completed</p> <p>Activity completed</p> <p>Activity completed</p> <p>NP Nihal Singh Wala<br/>Activity completed</p>   |

|       |  | Panjtoor<br>Required-1<br>Provided-1<br>Gap-0  |   |                         | Activity<br>completed  |
|-------|--|--|---|-------------------------|--|
| (x)   | 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  | Leachate management will be done simultaneously with Bio- remediation of legacy waste.                            | MCs/NPs                 | Completion date 31.01.2023   |
| (xi)  | 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)                                 | Provided<br><br>CCTV cameras not installed at dump site of MCs   | Already provided at 2 no. dumping sites<br><br>Proposal not yet submitted by MCs/NPs                              | MC, Moga<br><br>MCs/NPs | Completed<br><br>For proposal submission – 31.05.2022<br><br>For installation – 31.08.2022 (No electricity is available at dump site after doing the process of installation of electric meter. This will be installed within the time period. |
| (xii) | 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)                                    | MC Moga- Installed<br><br>MC Baghapurana- Not Installed<br><br>MC Dharamkot –Not Installed<br><br>NP Kot Ise Khan –Not Installed<br><br>NPNihal Singh Wala – NP has submitted that there is no requirement to install piezometer at dump site as there is very less quantity of waste dumped at this site and site falls in agriculture area, which is far away from population. | Piezometers at dump sites have already been installed. However, monitoring is being carried out on regular basis. | MCs/NPs                 | Activity completed<br><br>30.06.2022<br><br>30.06.2022<br><br>- 30.06.2022<br><br>Activity complete  |

|        |  |   |  |   |  |
|--------|--|---|--|---|--|
|        |  | NP Badhni Kalan - Not required  |  |   | Activity complete  |
|        |  | NP Fatehgarh Panjtoor - Not installed   |  |   | Fatehgarh Panjtoor : 31.07.2022  |
| (xiii) | 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 | Presently Carcass of dead animals are being given to private contractor by MCs/NPs.     | Proposal for utilization of carcass in a scientific manner is under consideration.<br><br>Carcass disposal points will be developed by constructing boundary wall, planting of trees, hedges and other necessary measures to control the nuisance. | MCs/NPs/DDPO                                      | For proposal submission – 30.06.2022<br>For completion– 30.06.2023<br><br>For existing carcasses disposal points – 30.06.2022<br><br>NP Kot Ise Khan:<br>A tender of construction of boundary wall around carcass has been executed work will be completed 30.06.2022 also for green belt.   |
| (xiv)  | 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 colonies / commercial complex. | The teams are checking the colonies on regular basis. The work is huge and different department are involved for joint inspection. Hence, time is required upto 31.12.2021 for the complete for the identification work.                           | BDA, Improvement Trust, Department of Local Govt. | <b>MC/BDA/Improve ment Trust</b><br><ul style="list-style-type: none"> <li>Identification by 30.06.2022</li> <li>Management of solid waste collection &amp; segregation= 31.03.2023</li> <li>Provision of STPs= 31.03.2023</li> </ul>  |
| (xv)   | 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.  | ADC (D) / DDPO / XEN Panchayati Raj               | <b>Preparation of action plan and Execution starts from 30.06.2022</b><br><br>Completion:<br><ul style="list-style-type: none"> <li>80 villages upto 30.06.2023</li> <li>160 villages upto 30.06.2024</li> <li>240 villages upto 30.06.2025</li> <li>324 villages upto 30.06.2026</li> </ul> |
| (xvi)  | Management of carcass in rural area.   | Inadequate management of carcass in rural area.   | Proposal for utilization of carcass in a scientific manner is under consideration. Carcass disposal  | ADC (D) / DDPO / XEN Panchayati Raj               | For proposal submission – 30.06.2022<br>For installation – 30.06.2023  |

|         |  |   |   |         |   |
|---------|--|---|---|---------|---|
|         |  |   | points will be developed by planting of trees, hedges and other necessary measures to control the nuisance. |         | For existing carcasses disposal points –<br><b>30.06.2022</b>   |
| (xvii)  | Dry-Waste Management: Material Recovery for dry-waste fraction (RDF) | <p><b>Statuts of MRF for management of dry waste</b></p> <p><b>MC Moga</b><br/>Required-2<br/>Provided-2<br/>Gap-0</p> <p><b>MC Baghapurana</b><br/>Required-1<br/>Provided-1<br/>Gap-0</p> <p><b>MC Dharamkot</b><br/>Required-1<br/>Provided-1<br/>Gap-0</p> <p>NP Kot Ise Khan<br/>Required-1<br/>Provided-1<br/>Gap-0</p> <p>NP Nihal Singh Wala<br/>Required-2<br/>Provided-2<br/>Gap-0</p> <p>NP Fatehgarh Panjtoor<br/>Required-1<br/>Provided-1<br/>Gap-0</p>   | MCs/NPs are providing adequate no. of MRFs for the management of dry waste.                                 | MCs/NPs | Activity completed  |
| (xviii) | Management of Horticulture Waste in MCs.                             | <p>Status of compost pits in parks</p> <p><b>MC Moga</b><br/>No. of parks-50<br/>Compost pit required-200<br/>Provided-200<br/>Gap-0</p> <p><b>MC Baghapurana-</b><br/>No. of parks-2<br/>Compost pit required-5<br/>Provided-2<br/>Gap-3</p> <p><b>MC Dharamkot</b><br/>No. of parks-1<br/>Compost pit required-3<br/>Provided-3<br/>Gap-0</p> <p>NP Kot Ise Khan No. of parks-1<br/>Compost pit required-2<br/>Provided-2<br/>Gap-0</p> <p>NP Nihal Singh Wala<br/>No. of parks-6<br/>Compost pit required-29</p> | All MCs / NPs are providing adequate no. of compost pits for the management of horticulture waste.          | MCs/NPs | <p>MC Moga-<br/>Activity completed</p> <p><b>MC</b><br/>Baghapurana-<br/>30-06-2022</p> <p>MC Dharamkot-<br/>Activity completed</p> <p>NP Kot Ise Khan-<br/>Activity completed</p> <p>NP Nihal Singh Wala- Activity completed</p> |

|  |  |  |  |  |    |
|--|--|--|--|--|----|
|  |  | Provided-29<br>Gap-0<br><br>NP Fatehgarh<br>Panjtoor<br>no park in the village |  |  | -- |
|--|--|--|--|--|----|

(i) **Plastic Waste Management**

| S.No. | Action points For village panchayats/block s/municipalities /corporations                   | Identification of gap   | Action plan   | Agencies Responsible                               | Target time for Compliance  |
|-------|---|---|---|--|---|
| 1.    | Door to Door collection of dry waste including plastic waste.                               | MCs/NPs<br>Achievement – 100%<br>Gap – Nil<br><br>Villages Panchayat<br>(for 324 villages/ 340 Gram Panchayats<br><br>– not initiated | Already achieved 100 % door to door collection<br><br>Action Plan is yet to be prepared | MCs/NPs<br><br>ADC (D) / DDPO / XEN Panchayati Raj | Regular activity<br><br>Preparation of action plan and Execution starts from 30.06.2022<br><br>Completion:<br><ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
| 2.    | Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility | Villages Panchayat<br>(for 324 villages/ 340 Gram Panchayats  | Action plan yet to be prepared  | ADC (D) / DDPO / XEN Panchayati Raj                | Preparation of action plan and Execution starts from 30.06.2022<br><br>Completion:<br><ul style="list-style-type: none"> <li>• 80 villages upto 30.06.2023</li> <li>• 160 villages upto 30.06.2024</li> <li>• 240 villages upto 30.06.2025</li> <li>• 324 villages upto</li> </ul>                                    |

|    |   |  |  |  |   |
|----|---|--|--|--|---|
|    |   |  |  |  | 30.06.2026  |
| 6. | Plastic Industry Registration.<br>Total no. of plastic unit required registration.<br>Total no. of plastic unit obtained registration.<br>(Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)  | Total units – 12<br>Registration obtained – 9<br>Gap - 3                     | The industrial units who are not registered under plastic rules are being pursued for obtaining registration by the Board  | 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.<br>(Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021) | Inadequate disposal arrangement of plastic waste                             | <ul style="list-style-type: none"> <li>• PMIDC came into contract with one agency MAX speciality Films in this regard to purchase/collect any kind of plastic garbage from the ULBs.</li> <li>• PMIDC coordinated with PWD and Mandi Board to utilize plastic waste in Roads.</li> <li>• More effective Disposal facility needs to be engaged under guidance of PMIDC</li> </ul> | MCs / NPs  | 30.6.2022   |
| 8. | Framing of bye-laws incorporating the provisions of Plastic Waste Management Rules, 2016.<br>(Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)   | ULBs have already implemented the bye-laws.<br><br>Rural areas- yet to frame | MCs/NPs already framed<br><br>Rural Panchayats = yet to prepared   | MCs/NPs and<br><br>ADC (D) / DDPO / XEN Panchayati Raj | Activity completed<br><br>Preparation of action plan 31.03.2022   |
| 9. | Set up, operationalize and co-ordinate for Plastic Waste management in Rural area.<br>(Directions of Hon'ble NGT in EA no. 13/2019 dated 08.01.2021)  | Inadequate   | Proposal is yet to be prepared   | ADC (D) / DDPO / XEN Panchayati Raj                    | Preparation of action plan and Execution starts from 30.06.2022<br><br>Completion:<br><ul style="list-style-type: none"> <li>• 90 villages upto 30.06.2023</li> <li>• 180 villages upto 30.06.2024</li> </ul> |

|  |  |                             |                                   |                                     |  |
|--|--|-----------------------------|-----------------------------------|-------------------------------------|--|
|  |  |                             |                                   |                                     | <ul style="list-style-type: none"> <li>• 270 villages upto 30.06.2025</li> <li>• 324 villages upto 30.06.2026</li> </ul> |
|  |  | In Villages – not adequate. | Action plan is yet to be prepared | ADC (D) / DDPO / XEN Panchayati Raj | Preparation of proposal - 30.06.2022   |

(iii) C&D Waste Management

| 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.   | Separate collection site in ULBs is yet to be provided.<br><br>NP Nihal Singh has already provide site for dump of C&D waste and tender for C&D waste shed has been called.<br><br>NP Kot Ise Khan : Activity completed | Allocation of separate site for C&D will be done by each ULB.   | Department of Local Govt. | 30.06.2022<br><br>NP Kot Ise Khan : Activity completed<br><br>NP Fathgarh Panjtoor : Activity completed |
| 3.     | C&D recycling Facility  | Presently, there is no C&D recycling facility in the district.  | Department of Urban Development is preparing proposal for installation of recycling facility.   | ADC (UD)                  | • Preparation of proposal & completion - 30.06.2022   |
| 4.     | Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads | Presently there is no C&D recycling facility in the District. No C&D waste is being recycled.   | Department of Urban Development is preparing proposal for installation of recycling facility. Once, the recycling facility will be installed, C&D waste will be recycled. | MCs/NPs                   | • Preparation of proposal 30.06.2022<br>• completion - 30.04.2023                                       |

(iv) Bio-medical Waste Management

| S. No. | Action points                          | Gaps  | Action Plan  | Responsible agency          | Timeline for completion of action plan  |
|--------|--|---|--|-----------------------------|---|
| 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 / Civil Surgeon / HCFs | Regular activity  |
| 8.     | Wastewater Treatment                   | <ul style="list-style-type: none"> <li>• Total HCFs Required ETP = 117</li> <li>• Total HCF install ETPs = 6</li> </ul> | HCFs are being pursued to install the wastewater treatment facilities as per Board's office order no. 468 dated 31.08.2021. The meetings are being held association level to get the compliance from HCFs. | PPCB / Civil Surgeon        | <ul style="list-style-type: none"> <li>• The timelines vide Board order no. 468 dated 31.08.2021 timeline has been given as 31.03.2022.</li> <li>• 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.</li> </ul> |

(vi) E-Waste Management

| 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 / bulk waste generator is under process. | To inventorize / identify all the e-waste generating establishments and bulk generators. | PPCB               | 30.06.2022                             |



|   |  |  |  |                                |  |
|---|--|--|--|--------------------------------|--|
| 2 | E-Waste collection points                            | Separate collection site provided in all ULBs is yet to be provided. | Allocation of separate site for C&D will be done by each ULB.                    | Department of Local Govt.      | 30.06.2022<br><br>NP Kot Ise Khan : Activity comple. E-waste collection is being done at MRF center. |
| 3 | Linkage among Stakeholders to channelize E-Waste     | Linkage among Stakeholders to channelize E-Waste is being done       | Work under progress  | MC/NP                          | 30.06.2022   |
| 4 | Regulation of Illegal E-Waste recycling /dismantling | Not initiated  | Surprise visits will be made to identify illegal e-waste recyclers / dismantlers | District Administration & PPCB | Execution starts from 01.01.2022   |

### 3.0 Air Quality Management

| S. No. | Action points   | Indicative Action Plan  | Responsible agency | Timeline for completion of activity. |
|--------|---|---|--------------------|--------------------------------------|
| 2.     | Ambient Air quality data?   | Ambient air quality monitoring station will be installed at District Moga.    | PPCB               | 30.06.2022                           |
| 10.    | Kaccha/Brick Paved Roads to be made Pucca roads                       | The Paved roads/kaccha roads will be converted into pucca roads in each ULBs. | MCs/NPs            | 30.06.2022                           |
| 21.    | Quality Management Division(AQMD) at PPCB (HQ)Establishment of an Air | Already established at Head Office, Punjab Pollution Control Board            | PPCB               | Activity completed                   |

## 4.0 Water Quality Management

### 4.2 Domestic Sewage

| S. No. | Action points           | Gaps and Action Plan   | Responsible agency           | Timeline for completion of action plan   |
|--------|-------------------------|--|------------------------------|--|
| 1.     | Sewage Treatment (STPs) | <p>MC Kot Ise Khan</p> <p>A DPR of 3 MLDSTP&amp; intercepting sewerage network is prepared amounting to Rs. 22.96 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Kot Ise Khan is installing treatment based on pond system.</p>             | MC and PWSSB<br>MC and PWSSB | <p>When DPR gets approved under this scheme, the tendering process will be started and work will be completed within 24 months.</p> <p>Completed however not operational</p> |
|        |                         | <p>MC Nihal Singh Wala</p> <p>A DPR of 2 MLDSTP&amp; Main intercepting sewerage network is prepared amounting to Rs. 15.64 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Nihal Singh Wala is installing treatment based on pond system</p> | MC and PWSSB                 | <p>Work shall be completed within 24 months after arrangement of land.</p> <p>Completed and operational</p>  |
|        |                         | <p>MC Badhni Kalan</p> <p>A DPR of 3 MLDSTP and intercepting sewerage network is prepared amounting to Rs.11.93 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Badhni Kalan is installing treatment based on pond system.</p>               | MC and PWSSB                 | <p>Work shall be completed within 24 months after arrangement of funds.</p> <p>Completed however not operational</p>   |
|        |                         | <p>MC Fatehgarh Panjgur</p> <p>A DPR of 1 MLDSTP and intercepting sewerage network is prepared amounting to Rs. 12.08 Cr. But funds are not tied up yet.</p> <p>As interim measure MC Fatehgarh Panjgur is installing treatment based on pond system.</p>    | MC and PWSSB                 | <p>Work shall be completed within 24 months after arrangement of funds.</p> <p>Completed however not operational</p>   |

|   |                              |   |       |   |
|---|------------------------------|---|-------|---|
| 2 | Underground sewerage network | <p>The status of sewerage network for different towns of Distt. Moga is as under:<br/> Moga = 85% Sewer Exists<br/> Dharamkot= 90% Sewer Exists<br/> Nihal Singh Wala= No Sewer Exists<br/> Badhni Kalan= No Sewer Exists<br/> Kot Ise Khan= No Sewer Exists<br/> Fatehgarh Panjtur= No Sewer Exists<br/> Baghapurana = 47.5 km length has been laid.(100%)</p> <p>The DPR for remaining work has been prepared to complete pending work.</p> <p><b>Moga</b></p> <p>DPR of balance sewerage network amounting to Rs. 12.07 Cr. has been prepared under Central government scheme Jal Jiwan Mission which is yet to be approved.</p> <p><b>Dharamkot</b></p> <p>DPR of balance sewerage network amounting to Rs. 2.39 Cr. has been prepared under central government scheme Swachh Bharat Mission 2.0 which is yet to be approved.</p> <p><b>Nihal Singh Wala</b></p> <p>A DPR of 2 MLDSTP&amp; Main intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs. 15.64 Cr. But funds are not tied up yet.</p> <p><b>Badhni Kalan</b></p> <p>A DPR of 3 MLDSTP and intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs.11.93 Cr. But funds are not tied up yet.</p> <p><b>Kot Ise Khan</b></p> <p>A DPR of 3 MLDSTP&amp; intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs. 22.96 Cr. But funds are not tied up yet.</p> | PWSSB | <p>Moga</p> <p>Timeline: Work shall be completed within 12 months after approval of DPR.</p> <p>Dharamkot</p> <p>Timeline: Work shall be completed within 12 months after approval of DPR.</p> <p>Nihal Singh Wala</p> <p>Timeline: Work shall be completed within 24 months after arrangement of funds.</p> <p>Badhni Kalan</p> <p>Timeline: 31.12.2023</p> <p>Kot Ise Khan</p> <p>Timeline: Work shall be completed within 24 months after approval of DPR.</p> |
|---|------------------------------|---|-------|---|

|    |   |  |                         |   |
|----|---|--|-------------------------|---|
|    |   | <b>Fatehgarh Panjgur</b><br>A DPR of 1 MLDSTP and intercepting sewerage network is prepared under Swachh Bharat Mission 2.0 amounting to Rs. 12.08 Cr. But funds are not tied up yet.  |                         | Fatehgarh Panjgur<br><br>Timeline: Work shall be completed within 24 months after arrangement of funds. |
| 3. | 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)   | Being prepared.  | MCs/NPs                 | 30.06.2022  |
| 4. | 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 | 30.06.2022  |
| 5. | 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         | 30.06.2022  |
| 6. | The Water Management Plans, data on water availability or scarcity and policy of CGWA must be uploaded on its website for transparency and public involvement. (Directions of Hon'ble NGT in OA no. 176/2015 dated 20.07.2020)                      | Noted for compliance and will be assured.  | PWRDA                   | 30.06.2022  |

|     |   |  |   |   |
|-----|---|--|---|---|
| 7.  | 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) | A proposal will be prepared in coordination with technical bodies to tap excess run of rivers / canals to rainfall season to recharge old water bodies and to retain water in new ponds.   | DDPO  | Preparation of action plan and Execution starts from 30.06.2022<br><br>Completion:<br><ul style="list-style-type: none"> <li>• 90 villages upto 30.06.2023</li> <li>• 180 villages upto 30.06.2024</li> <li>• 270 villages upto 30.06.2025</li> <li>• 340 villages upto 30.06.2026</li> </ul> |
| 8.  | 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)  | O&M of water supply scheme of Moga, Dharamkot, Nihal Singh Wala, Fatehgrh Panjtur, Kot Ise Khan, Baghapurana are with concerned ULB/DWSS except Badhni Kalan Town. Hence the work of installing flow meter will be executed by ULBs at their own level only. For Badhni Kalan Town, DWSS, Moga has already installed flow meter under Daudhar 85 villages surface water supply scheme. | PWSSB                                       | 30.06.2022 for preparation of plan  |
| 9.  | Preparation of operational manual of STPs for the effective and efficient operation of the STPs of the state.   | Already prepared   | PPCB  | Activity completed  |
| 10. | Framing policy for the management of highly contaminated Feecal 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 30.06.2022   |
| 11. | Reuse of treated effluent through existing STPs (OA no. 496/2016 dated 22.01.2021)  | Only one STP has been installed for Moga town of capacity 27 MLD. At present, the treated wastewater is discharged into moga drain. The Irrigation schemes for use of treated wastewater in nearby areas by farmers is being prepared.<br><br>Scheme for irrigation network or any laid for STP of Dharamkot.  | Department of Soil conservation, ULBs/PWSSB | 30.06.2022<br><br>Activity Completed  |

### 5.0 Industrial wastewater management

| S. No. | Action points   | Gaps and Action Plan   | Responsible agency | Timeline For completion of action plan |
|--------|---|--|--------------------|--|
| 3.     | Installation of Electromagnetic flow meters at inlet and outlet of ETP. | 37 no. industry have already installed the EMF meters at the outlet of ETP. The industry will be directed to provide the same at the inlet of ETP. | PPCB               | 30.06.2022                             |

### 6.0 Mining Activity Management plan

| S. No. | Action points  | Gaps and Action Plan  | Responsible agency  | Timeline for completion of action plan |
|--------|--|---|---------------------|--|
| 1.     | 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 Moga & 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., & where-ever 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 | 30.06.2022                             |
| 2.     | 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 the 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 | 30.06.2022                             |

## 7.0 Noise Pollution Management plan

| S. No. | Action points                             | Gaps and Action Plan   | Responsible agency      | Timeline for completion of action plan |
|--------|---|--|-------------------------|--|
| 1.     | Availability of Sound/Noise Level Meters. | Required – 12<br>Available – 0<br>Gap -12  | PPCB& Police Department | 30.06.2022                             |
| 3.     | Sign boards in Noise zones                | 43 Signboards are installed at sensitive zones. However, sign boards in other areas are yet to install | ULBs                    | 30.06.2022                             |