

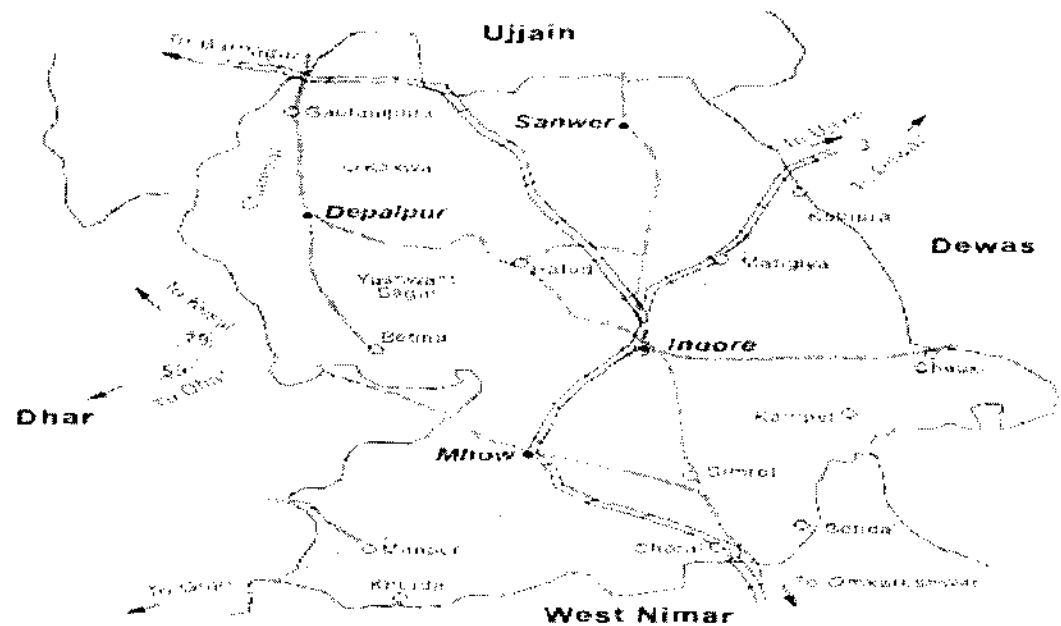
STATUS OF IMPLEMENTATION OF SHORT TERM AND LONG TERM

# ACTION PLAN

*For*

CRITICALLY POLLUTED AREA INDORE (M.P.)

22 JANUARY 2015



M. P. POLLUTION CONTROL BOARD



STATUS  
OF  
IMPLEMENTATION OF

**SHORT TERM**

**ACTION PLAN**

## ACTION TAKEN REPORT AND PRESENT STATUS OF

Short term action plan for Indore (as on 20.01.2015)

| Sr. N | Description of Action Point   | Implementing Agency  | Cost in Lac Rs. | Proposed Time Frame | Action Taken by MPPCB   | Action Plan Present status |
|-------|---|----------------------|-----------------|---------------------|---|----------------------------|
| 1     | Rigorous emissions control in polluting units through surveillance, inspections & monitoring (17 red type)                    | Industry/MPPCB/CPCB/ | -               | 6 months            | There are 11 units under R-17 Category. 3 units are L/M & 8 units are SSI. Compliance sent to CPCB through ZO Bhopal in may 2012 itself. The process of regular inspection /Monitoring is continuing. | completed                  |
| 2     | Rigorous emissions control in polluting units through surveillance, inspections & monitoring Medium/Major (54 red type) other | Industry/MPPCB/CPCB/ | -               | 9 month             | There are 18 L/M units under R-54 Category. Compliance sent to CPCB through ZO Bhopal in may 2012 itself. The process of regular inspection /Monitoring is continuing.                                | completed                  |
| 3     | Rigorous emissions control in polluting units through surveillance, inspections & monitoring                                  | Industry/MPPCB/CPCB/ | -               | 1 year              | There are 225 SSI units under R-54 Category. Compliance sent to CPCB through ZO Bhopal in may 2012 itself. The process of regular inspection /Monitoring is continuing.                               | completed                  |

|   |  |                   |     |         |   |               |
|---|--|-------------------|-----|---------|---|---------------|
|   | Small Scale (54 red type) other  |                   |     |         |   |               |
| 4 | Direction for Up gradation of effluent treatment plant, in water polluting units of which are not meeting prescribed standard in water polluting units | Industries, MPPCB | #   | 3 month | The direction for closure under Section 33 issued to 08 units and Notice for closure to 39 units in 2012. all these industries complied the direction. Compliance sent to CPCB through ZO Bhopal in may 2012 itself. The process of regular inspection /Monitoring is continuing.   | completed     |
| 5 | Direction to the industry for improving the efficiency of air pollution control system in air polluting unit and increase in vigilance.                | MPPCB/CPCB        | --  | 3 month | The direction for closure under Section 31 issued to 03 units and Notice for closure to 25 units in 2012. All these industries complied the direction. Compliance sent to CPCB through ZO Bhopal in may 2012 itself. The process of regular inspection /Monitoring is continuing. . | completed     |
| 6 | Setting of 3 more Continuous AAQM Stations   | MPPCB/CPCB.       | 300 | 1 year  | One station will be installed in Year 2015.The acceptance of remaining 2 stations of the MoEF and CPCB is awaited.  | Under process |
| 7 | Strengthening of water quality network and its linkage to  | CPCB,MPPCB        | 300 | 1 years | Monitoring is being done at 6 stations regularly and reports are sent through software to the CPCB for websites linkage.  | Completed     |

|    |  |                                       |    |          |   |           |
|----|--|---------------------------------------|----|----------|---|-----------|
|    | websites.  |                                       |    |          |   |           |
| 8  | Stoppage of MSW burning on open land at trenching ground.  | IMC                                   | -- | 6 months | Direction issued to Municipal Corporation Indore. Also Court case filed on 24.07.2014 against MC Indore. At present open burning stopped.   | Completed |
| 9  | Providing direction for air pollution control measures during the activity of road construction demolishing old building and new constructions | Local body/MPPCB /IDA/State code      | #  | 3 months | Letter issued to concern Authority. Directions are being compiled by Municipal Corporation Indore.  | Completed |
| 10 | Traffic managements in the area  | Traffic Dept. and Corporation/ Police | -- | 1 Year   | A.B. Road widened up-to 8 Lanes, Bypass road completed therefore significant improvement observed in traffic management.  | Completed |
| 11 | Installation of continuous Stack monitoring facility by major air polluting industries 17 types.   | Individual Industry                   | #  | 1 Year   | There is only one Air polluting R-17 industry which have provided on line continuous monitoring facility for So2 & HF also. The sulfuric acid plant of this unit is closed for last one year. Time given by CPCB is 2017.   | Completed |
| 12 | Scientific collection segregation and storage of MSW   | IMC                                   |    | 1 Year   | IMC has spent Rs.32 Crore for the purchase of Equipments and vehicles. 1047 wheel borrows of four containers each of 30 liter capacity has been acquired. 2243 cycle rickshaw of 6 containers each of 30 liter capacity has | Completed |

|    |  |                      |      |          |  |                                 |
|----|--|----------------------|------|----------|--|---------------------------------|
|    |  |                      |      |          | been acquired. Twin Placer 82 vehicle and 914 containers of 2.5 Cum each capacity acquired.A2 Z Infrastructure Limited/ IMC is doing collection and transportation of MSW. |                                 |
| 13 | Restrictions on use of thin plastic carry bags.          | Local Body           | --   | 6 Months | There are S, carry bags, manufacturing units. The inspection and monitoring is done on monthly basis. Industries have been found complying the norms.                      | Completed                       |
| 14 | Installation of MSW processing plant at trenching ground | IMC                  | 1000 | 6 Months | IMC has allotted work on the basis of public private participation to A2z infrastructure ltd Gurdgaon. Processing plant is working.  | Completed                       |
| 15 | Land fill site development at Trenching ground           | IMC                  | 1700 | 6 Months | Two cells of land fill site costing Rs.19.72 Cr. are completed at Trenching ground ,Devguradiya at Indore.   | Completed                       |
| 16 | Public awareness program                                 | MPPCB/CPCB /MoEF GOI | 100  | 1 year   | MPPCB is conducting public awareness programmed regularly.   | Continuous process is going on. |

STATUS  
OF  
IMPLEMENTATION OF

**LONG TERM**

**ACTION PLAN**

**ACTION TAKEN REPORT ON 26 POINT ACTION PLAN FOR CEPI INDORE AREA**

| Action. Point no. | Description of Action Point  | Available fund                         | Add. fund Required.                 | Target Date.                                       | Action taken and present status as on 20.01.2015   |
|-------------------|--|--|-------------------------------------|--|--|
| 1                 | <p><b>Urban Administration &amp; Development department ( UADD)</b></p> <p>Completion of conveyance system for sewage of Indore city</p> <ol style="list-style-type: none"> <li>1. Primary sewer- Under JNNURM</li> <li>2. Sec. sewer Under JNNURM</li> <li>3. Interception line for trapping sewer of Khan &amp; saraswati river</li> </ol> | <p>325 Cr</p> <p>90 cr.</p> <p>Nil</p> | <p>Nil</p> <p>Nil</p> <p>47 cr.</p> | <p>Dec. 2013</p> <p>Dec. 2015</p> <p>Dec. 2016</p> | <p>NOC from railway received. Laying of primary sewer work is almost completed.</p> <p>The work order has been issued for trapping of Secondary sewers ( joining in 06 nallas of the City),</p> <p>The work started for trapping of Secondary sewers ( joining in Khan &amp; Sarswasti),</p> |
| 2                 | <p><b>UADD</b></p> <p>Construction of STP for</p>  | <p>193.88</p>                          | <p>Nil</p>                          | <p>Module 1 - Dec. 2014</p> <p>Module 2-</p>       | <p>Two STP of 78 MLD and 12 MLD are functional. Work for 122.5 MLD STP module -1 &amp; for 122.5 MLD STP module -2</p> <p style="text-align: center;">90% complete<br/>^</p>   |



|          |  |                                   |                     |   |  |
|----------|--|-----------------------------------|---------------------|---|--|
|          | Indore city  |                                   |                     | march 2015  | is under progress. <i>ISI. Work Completed<br/>Work Likely to Complete w/o to<br/>Aug 2015</i>  |
| <b>3</b> | <b>Housing &amp; Env.</b><br><br>Construction of effluent conveyance system & Common effluent treatment plant for Sanwer Road, Industrial Area | Rs 20 Cr. (under Sinhashta 2016 ) | Nil                 | After sanction by IMC-14 months of fund<br><br>1 year | Land allotted by DIC to Effluent treatment plant company.<br><br>Govt. of M.P. has sanctioned Rs.20 Cr. for CETP under "Singastha-2016". Municipal corporation Indore (IMC) has completed DPR for CETP OF 4 MLD. IMC has called tender third time. |
| <b>4</b> | <b>Ind. Dept. ( AKVN/DIC)</b><br><br>Laying of storm water line & sewer line in polo ground industrial area                                    | Nil                               | Scheme not prepared | 3 years   | Storm water drain, about 900 meter laid down by the industry department along with the Roads. No scheme for sewer line.  |
| <b>5</b> | <b>Ind. Dept. ( AKVN/DIC)</b><br><br>Laying of storm water line & sewer line in Laxmibai nagar industrial area                                 | Nil                               | Scheme not prepared | 3 years   | Action point excluded from action plan as per minutes of meeting held in CPCB Delhi on dated 08.08.2013 & 23.08.2013. However the storm water drains are laid with road construction.  |
| <b>6</b> | <b>UADD</b><br><br>Laying of storm water line & sewer line in sch. No. 71  | Nil                               | Scheme not prepared | 3 years   | Action point excluded from action plan as per minutes of meeting held in CPCB Delhi on dated 08.08.2013 & 23.08.2013   |

|   |  |                    |                     |            |  |
|---|--|--------------------|---------------------|------------|--|
|   | industrial area  |                    |                     |            |  |
| 7 | <b>UADD</b><br>Laying of storm water & sewer line in Palda industrial area   | Nil                | Scheme not prepared | 3 years    | Action point excluded from action plan as per minutes of meeting held in CPCB Delhi on dated 08.08.2013 & 23.08.2013   |
| 8 | <b>Ind. Dept. ( AKVN/DIC)</b><br>Laying of storm water line & sewer line in Rau industrial area  | Nil                | Scheme not prepared | 3 years    | Action point <b>excluded</b> from action plan as per minutes of meeting held in CPCB Delhi on dated 08.08.2013 & 23.08.2013. However the storm water drains are laid with road construction.   |
| 9 | <b>MPPCB</b><br>Installation of treatment facility for waste waters generated from major hotels, laundries, vehicle service center, commercial complex, major residential project, major marriage halls etc. | No Funding is req. | No Funding is req.  | March 2015 | <ul style="list-style-type: none"> <li>➤ MPPCB has adopted policy regarding Major Hotels, Laundries, Vehicle Service Centers, Commercial Complexes, Major Residential Projects &amp; Major Marriage Halls etc. that before granting consent under Air &amp; Water Acts, the provision for installation of pollution control systems shall be ensured.</li> <li>➤ Regarding the already established said units, the sewage shall be taken care of through municipal sewage line.</li> <li>➤ The draft regarding conditions in the permission of the marriage gardens to take care of the environmental issues is under the stage of finalization by the T &amp; CP &amp; MC Bhopal. Further,</li> </ul> |

|           |   |                    |                    |          |   |
|-----------|---|--------------------|--------------------|----------|---|
|           |   |                    |                    |          | <p>arrangement shall be allowed accordingly.</p> <p>Consent to New major Hotel-Nil.</p> <p>Laundries-Nil.</p> <p>Commercial Complex-01(STP Installed along with dual plumbing )</p> <p>Major residential Project- 02 (STP Installed along with dual plumbing )</p>  |
| <b>10</b> | <p><b>MPPCB</b></p> <p>Rigorous emissions control in air and water polluting units through surveillance, inspections &amp; monitoring for other than red category</p> | No Funding is req. | No Funding is req. | On going | <p>➤ MPPCB is inspecting &amp; monitoring the industries other than red categories through regional office of MPPCB Indore.</p> <p>➤ Air samples collected From 36 Industries during 2014-15 and all found within norms. Also, 141 no of waste water samples collected from 32 industries and only 1 sample result found exceeding the norms.</p> |

|    |   |                    |                    |  |  |
|----|---|--------------------|--------------------|--|--|
| 11 | <p><b>MPPCB</b></p> <p>Introduction of improved technology in rolling mills</p>         | No Funding is req. | No Funding is req. | 12 month. after receiving approved tech. from CPCB | <ul style="list-style-type: none"> <li>➤ The latest and advanced technology available for small scale industries requires approval of CPCB before implementation in the State.</li> <li>➤ The MPPCB requested CPCB to provide approved technology for small scale rolling mills vide letter dated 10.10.2013</li> <li>➤ Response from CPCB is yet awaited. A reminder sent to CPCB vide MPPCB's letter dated 11.3.2014 copy.</li> <li>➤ However as per MPPCB instructions all the 43 Rolling mill have provided Suction Hood at charging gate, Venturi-scrubber &amp; 30 meter high stack. MPPCB along with CPCB Bhopal on 04 to 23 sept. 2013 evaluated the performance and found satisfactory.</li> </ul> <p><b>ACTION COMPLETED</b></p> |
| 12 | <p><b>MPPCB</b></p> <p>Introduction of improved technology in Lead processing units</p> | No Funding is req. | No Funding is req. | 12 month. after receiving approved tech. from CPCB | <ul style="list-style-type: none"> <li>➤ The latest and advanced technology available for small scale industries requires approval of CPCB before implementation in the State.</li> <li>➤ The MPPCB requested CPCB to provide approved technology for small scale lead industries vide letter dated 10.10.2013</li> <li>➤ Response from CPCB is yet awaited.</li> <li>➤ A reminder has been sent to CPCB vide</li> </ul>   |

|    |  |                    |                    |  |  |
|----|--|--------------------|--------------------|--|--|
|    |  |                    |                    |  | <p>MPPCB's letter dated 11.3.2014.</p> <ul style="list-style-type: none"> <li>➤ However as per MPPCB instructions 12 units installed Rotary kiln. Also all the industries have provided water scrubber and bag dust collector has installed. MPPCB along with CPCB Bhopal on 04 to 23 sept. 2013 evaluated the performance and found satisfactory.</li> </ul> <p><b>ACTION COMPLETED</b></p>   |
| 13 | <p><b>MPPCB</b></p> <p>Introduction of improved technology in Coal based small boilers</p> | No Funding is req. | No Funding is req. | 12 month. after receiving approved tech. from CPCB | <ul style="list-style-type: none"> <li>➤ The latest and advanced technology available for small scale industries requires approval of CPCB before implementation in the State.</li> <li>➤ The MPPCB requested CPCB to provide approved technology for small boilers vide letter dated 10.10.2013</li> <li>➤ Response from CPCB is yet awaited. A reminder sent to CPCB vide MPPCB's letter dated 11.3.2014</li> <li>➤ However as per MPPCB instructions 07 industries have installed bag filters even in small boilers.</li> <li>➤ MPPCB evaluated the performance and found satisfactory.</li> </ul> <p><b>ACTION COMPLETED</b></p> |

|    |  |                    |                    |   |   |
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| 14 | <p><b>Avintika gas Ltd.</b></p> <p>Changing the fuel pattern of the industry to clean fuel CNG supply in critical clusters of Indore, in rate comparable to Indraprastha Maha nagar Ltd.</p> | No Funding is req. | No Funding is req. | Continuous process.                             | <p>Ministry of petroleum &amp; natural gas may be requested to supply APM based CNG. 12 outlets are supplying CNG. Reduction of vat tax on CNG for Indore may be done to promote CNG use.</p>   |
| 15 | <p><b>Transport Dept.</b></p> <p>IMPROVEMENT IN FUEL QUALITY to BS-iv St. -</p>  | No Funding is req. | No Funding is req. | As and when policy decision is taken by the GOI | <p>Ministry of petroleum &amp; natural gas may be requested to supply BS-iv fuel to Indore. Chairman MPPCB wrote letter to secretary( C &amp;PC) GOI, MoP &amp; N. Delhi regarding above matter vide letter No.8248 dated 13/11/2013.</p> |
| 16 | <p><b>Avintika gas Ltd.</b></p> <p>CNG Supply – Presently Four outlets are supplying CNG. In future Increasing its no. to 10 outlets All the pumps facilitate with CNG supply.</p>           | No Funding is req. | No Funding is req. | Work completed                                  | <p>12 outlets are supplying CNG.<br/><b>Target achieved.</b></p>  |

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|----|--|--------------------|--------------------|---|---|
| 17 | <p><b>Transport Dept.</b></p> <p>Improvement in emission norms of existing public transport vehicle, by conversion in to CNG</p>                       | No Funding is req. | No Funding is req. | On going  | <ul style="list-style-type: none"> <li><input type="checkbox"/> 550 Diesel driven tempo replaced by 540 LPG based maruti Omni .</li> <li><input type="checkbox"/> 539 Diesel driven Public city transport vehicle replaced by 489 CNG based Tata magic.</li> <li><input type="checkbox"/> Out of 142 city buses, 70 are CNG Based.</li> <li><input type="checkbox"/> CNG Based 100 metro taxi are their .</li> <li><input type="checkbox"/> All 8696 auto rickshaw are CNG Based,91 auto rickshaw are LPG Based</li> </ul> <p><b>ACTION COMPLETED</b></p> |
| 18 | <p><b>Transport Dept.</b></p> <p>All new transport vehicles to be registered should be of BS-IV Standards make and compulsory with CNG fuel based.</p> | No Funding is req. | No Funding is req. | As and when policy decision is taken by the Govt. of India for entire country | Further improvement is under planning stage   |

|           |   |                    |                    |   |                          |
|-----------|---|--------------------|--------------------|---|--------------------------|
| <b>19</b> | <b>Transport Dept.</b><br><br>Phasing out off the 15 years old public transport vehicle | No Funding is req. | No Funding is req. | Transport Department, Govt. of MP has issued notification dated: 24/11/2010 and has stopped renewing license for public transport vehicle more than 15 years old. It has been decided to do the same for school buses also. | <b>Already completed</b> |
|-----------|---|--------------------|--------------------|---|--------------------------|



|    |   |          |     |  |  |
|----|---|----------|-----|--|--|
| 20 | <b>Industry Dept./AKVN</b>                                  |          |     |  |  |
|    | (A) Sanwer road ind. Area cement conc. road const. work.    | 53 Cr.   | Nil | June 2015                              | <ul style="list-style-type: none"> <li>➤ Approximately 27.20 km of old and completely torn out roads are planned for upgradation/cement concrete paving. After the completion of this work, entire internal roads of all the six sectors of Sanwer road Industrial Area will be paved completely.</li> <li>➤ Financial/Admn. approval granted by government for this work is Rs. 53.00 cr.</li> <li>➤ At present 8.3 km meters are already paved.</li> <li>➤ 1.45 kms road work in progress.</li> <li>➤ Remaining work shall be completed by August 2015,</li> </ul> |
|    | (B) Polo ground ind. Area cement conc. road const. work.    | 06 cr.   | Nil | Work Completed by AKVN on January 2014 | Work completed.  |
|    | (C) Laxmibai Nagar ind. Area cement conc. road const. work. | 1.72 Cr. | Nil | N.A.                                   | <p>Tender for following works have been called &amp; agency finalised. Work in progress.</p> <ol style="list-style-type: none"> <li>1. Concrete road- to start by Jan 2015.</li> <li>2. RCC drain - 0.32 Km in progress.</li> <li>3. Shoulders - 0.85 Km. completed.</li> </ol>  |

|  |  |   |   |  |  |
|--|--|---|---|--|--|
|  | <p><b>UADD</b></p> <p>(D) sch. No. 71 ind. Area cement conc. road const. work.</p> <p>E) Palda ind. Area, cement conc. road const. work.</p> <p><b>Industry Dept.</b></p> <p>(F) Rau Ind. Area, cement conc. road const. work.</p> | <p>Sch. Not submitted.</p> <p>Sch. Not submitted.</p> <p>06.31 CR</p> | <p>Sch. Not submitted</p> <p>ch. Not submitted.</p> <p>--</p> <p>--</p> | <p>N.A.</p> <p>N.A.</p> <p>Aug. 2015</p> | <p>➤ Scheme is under planning stage</p> <p>Cement Concrete Road Work costing Rs. 25.88 lacs is done during 2013-14</p> <p>➤ Schceme is under planning stage</p> <p>Cement Concrete Road Work costing Rs. 151.31 lacs is done in the year 2011-12 &amp; Rs. 41.94 lacs in the year 2012-13</p> <p>Work is under progress</p> <p>➤ Financial approval granted by government for Rs. 04 cr. .</p> <p>➤ The work is almost complete for above amount.</p> <p>➤ Remaining financial approval is awaited.</p> <p>➤ Remaining work shall be completed by August 2015,</p> |
|--|--|---|---|--|--|

|    |   |                            |                            |           |   |
|----|---|----------------------------|----------------------------|-----------|---|
| 21 | <b>Food &amp; civil supplies</b><br><br>Checking of adulteration of fuel  | No fund req.               | No fund req.               | On going  | . Continuous checking is done by Food & civil supplies deptt. Sample collected:<br>2012-13 - 276.<br><br>2013-14 (up-to June 2014)-83   |
| 22 | <b>UADD/IDA</b><br><br>Widening of the road and square for avoiding vehicle congestion proper road development.   | No fund under this scheme. | No fund under this scheme. | Dec.-2017 | <ul style="list-style-type: none"> <li>➤ Road Development, footpath and storm water drainage work of 46 roads for 59 kms is completed during 2000-2013.</li> <li>➤ Full section road development including footpath and storm water drainage for 18 roads of 44 kms is to be developed in next four years.</li> <li>➤ The work of 10 roads of 16 kms is in progress.</li> </ul> |
| 23 | <b>MPPCB</b><br><br>Strengthening of MPPCB for surveillance, inspections & monitoring and infrastructure facility of vehicles, equipments , Building etc, | No fund under this scheme. | No fund under this scheme  | N.A.      | MPPCB has submitted proposal of Rs 634.6 crores to MoEF for strengthening of entire board including Indore regional office.   |

|    |   |                            |                            |      |  |
|----|---|----------------------------|----------------------------|------|--|
| 24 | <b>MPPCB</b><br>Isolated temporary storage facility for HW in the Sanwer road indore. | N.A                        | N.A.                       | N.A. | <b>Scheme deleted.</b>   |
| 25 | <b>Industry Dept.</b><br>Green belt development in industrial area clusters           | No fund under this scheme. | No fund under this scheme. | N.A. | <ul style="list-style-type: none"> <li>➤ IPCA garden in Industrial area polo ground is being maintain by Municipal Corporation Indore.</li> <li>Plantation along the newly constructed road.</li> </ul>  |
| 26 | <b>MPPCB</b><br>Public awareness program  | No fund under this scheme. | No fund under this scheme. | N.A. | <p>MPPCB is regularly conducting public awareness programmes. Following programmes conducted during 2014-15.</p> <ul style="list-style-type: none"> <li>➤ World Environment Day celebrated from 1/6/2014 to 7/6/2014 . Various awareness programmes such as Painting competition, Rally, and other activities organized.</li> <li>➤ On 30.06 .2014 interaction meet organized with Association of Industries &amp; its members.</li> <li>➤ Work shop on Guide lines for Idol Immersion and Plastic Waste Management organized on 20.08.2014 at preetamlal dua sabhagrah , Indore.</li> </ul> |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  | <p>➤ On 05.07.2014, 28.08.2014, 11.11.2014 &amp; 20.11.2014 four Awareness Programmes conducted in various schools of Indore to educate school children and public about menace of polythene carry bags.</p> |
|--|--|--|--|--|--|

## DETAILS OF VARIOUS REVIEW MEETINGS

### CONDUCTED TO ASSESS IMPLEMENTATION OF ACTION PLAN

**19.08.2013**

*District Level committee under chairmanship of Collector Indore*

**22.10.2013**

*Committee under chairmanship of Chairman of MPPCB at Indore*

**02.11.2013**

*Committee under chairmanship of Chief secretary, Govt. of M.P. at Bhopal*

**10.03.2014**

*Committee under chairmanship of Principal secretary , H & E , Govt. of M.P. at Bhopal*

**15.09.2014**

*District Level committee under chairmanship of Collector Indore*

**17.12.2014**

*Committee under chairmanship of Chairman of MPPCB at Indore*