

# **ANNEXURES**



**Annexure-I**  
**Physical Inspection of Continuous Air Ambient Quality Monitoring Stations of DPCC.**  
**(Referred to in para 2.1)**

| SL. | Particulars of AQI monitoring stations  | Inspection Remarks                   |                                 |   |   |   |                                     |   |                                      |                                   |                                |   |   |   |
|-----|---|--------------------------------------|---------------------------------|---|---|---|-------------------------------------|---|--------------------------------------|-----------------------------------|--------------------------------|---|---|---|
|     |   | Major Dhyan Chand Stadium India Gate | JLN Stadium                     | Anand Vihar Metro Parking                           | DITE Okhla  | Dr. Karni Singh Shooting Range Asola            | National TB Institute, Arbindo Marg | PGDAV College Srinivaspuri                              | Kendriya Vidhyalaya R.K. Puram       | N.P. Boys School, Mandir Marg     | Satyawati college, Ashok Vihar | DITE Wazirpur   | Shaheed Sukhdeve college, Rohini                        | Vikas Bhawan-II, Civil Lines                                  |
| 1   | Accessibility to the monitoring site  | Accessible                           | Accessible                      | Accessible  | Accessible  | Accessible                                      | Accessible                          | Accessible  | Accessible                           | Accessible                        | Accessible                     | Accessible  | Accessible  | Accessible  |
| 2   | Height of the inlet from the ground level.  | 3-4 Meter approx                     | 3-4 Meter approx                | 3-4 Meter approx                                    | 3-4 Meter approx  | 3-4 Meter approx                                | 3-4 Meter approx                    | 3-4 Meter approx  | 3-4 Meter approx                     | 3-4 Meter approx                  | 3-4 Meter approx               | 3-4 Meter approx  | 3-4 Meter approx  | 3-4 Meter approx  |
| 3   | Distance (in meters) of the sampler from trees.   | Proximity to trees on three sides    | Proximity to trees on two sides | Proximity to trees on one side                      | Surrounded by trees from three sides  | Proximity to trees distance less than 20 meters | Proximity to trees on one side      | Proximity to trees from two sides                       | Surrounded by trees from three sides | Proximity to trees on three sides | Proximity to trees on one side | Proximity to trees on one side  | Proximity to trees on two sides                         | Proximity to thick tree on two sides                          |
| 4   | Distance of the sampler/site to any air flow obstacle i.e. buildings/absorbing building material. | No obstacles except trees            | No obstacles except trees       | No obstacles except trees                           | Proximity to high Building. Proximity to under construction high rise building in the DITE Campus | No obstacles                                    | No obstacles except trees           | No obstacles except trees                               | No obstacles except trees            | No obstacles except trees         | No obstacles                   | Proximity to high Building. Proximity to under construction high rise building in the DITE Campus | No obstacles except trees                               | Proximity to high Building                                    |
| 5   | Proximity of furnace or incinerator fumes or major pollution sources near site.                   | No                                   | No.                             | Proximity to Interstate bus stand and Metro station | No  | No  | No                                  | Jhuggis units close to Monitoring station causing fumes | No                                   | No                                | Proximity to Residential area  | Industrial Area   | Jhuggis units close to Monitoring station causing fumes | Proximity to Canteen/Catering place in the adjacent building. |
| 6   | Proximity of Samplers to unpaved roads and streets.   | Proximity to unpaved area            | Proximity to unpaved area       | No  | Proximity to unpaved area   | Proximity to unpaved area                       | Proximity to unpaved area           | Proximity to unpaved area                               | Proximity to unpaved area            | Proximity to unpaved area         | Proximity to unpaved area      | No  | Proximity to unpaved area                               | No  |

| SL. | Particulars of AQI monitoring stations  | Inspection Remarks  |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|     |   | Major Dhyan Chand Stadium India Gate                                    | JLN Stadium   | Anand Vihar Metro Parking   | DITE Okhla  | Dr. Karni Singh Shooting Range Asola                                    | National TB Institute, Arbindo Marg                                     | PGDAV College Srinivasपुरi  | Kendriya Vidhyalaya R.K. Puram  | N.P. Boys School, Mandir Marg   | Satyawati college, Ashok Vihar  | DITE Wazirpur   | Shaheed Sukhdeve college, Rohini  | Vikas Bhawan-II, Civil Lines  |
| 7   | Distance of Streets catering to heavy vehicular load from the monitoring station.                   | No  | No  | Proximity to road catering to Heavy vehicular traffic on one side of the Monitoring station | No  | Proximity to vehicular traffic on one side                              | No  | No  | No  | No  | No  | Proximity to two roads catering to Heavy vehicular traffic & proximity to car parking | No  | Proximity to road catering to heavy vehicular traffic   |
| 8   | Number of quadrants having unrestricted airflow to the instrument                                   | Unrestricted air flow to samplers                                       | Unrestricted air flow to samplers                                       | Trees on one side and Display Board on opposite side of the samplers.                       | Restricted air flow due to proximity of high building and trees         | Unrestricted air flow to samplers                                       | Restricted air flow due to trees  | Restricted air flow due to trees on two side                            | Restricted air flow due to surrounding by heavy trees from three sides  | Restricted air flow due to surrounding by trees from three sides.       | Restricted air flow due to Proximity to buildings                       | Restricted air flow due to trees on one side of the samplers                          | Restricted air flow due to Trees on two Sides of samplers               | Restricted air flow due to proximity to Thick Tree on two sides.  |
| 9   | Availability of Infrastructure (porta cabin, uninterrupted power supply, telephone connection etc.) | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Infrastructure available  | Inadequate Infrastructure. No equipment working. No internet connection. computer not working               |
| 10  | Calibration dates and periodicity of AQI Equipment  | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis                     | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis | Automatic calibration by system and Manual calibration on monthly basis               | Automatic calibration by system and Manual calibration on monthly basis | The CAAQM was not working since 29 August 2020. Last calibration of equipment was done on 10 December 2019. |

**Photographs of monitoring stations  
(Referred to in para 2.1)**



**CAAQM : Okhla**



**CAAQM: Anand Vihar ISBT**



**CAAQM : Srinivas Puri**



**CAAQM : Civil Line**

**Annexure-II**  
(Referred to in para 2.2)

**Details of number of days in which the monitoring observations were available for less than 16 hours (i.e. 64 numbers) in 24 hours<sup>63</sup> in DPCC's monitoring stations during 1<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020 (365 days).**

| Sl. No. | Location of AQI monitoring stations of DPCC | (in days)        |                   |                 |                 |    |                |                 |
|---------|---|------------------|-------------------|-----------------|-----------------|----|----------------|-----------------|
|         |   | PM <sub>10</sub> | PM <sub>2.5</sub> | SO <sub>2</sub> | NO <sub>2</sub> | CO | O <sub>3</sub> | NH <sub>3</sub> |
| 1       | Alipur                                      | 23               | 26                | 26              | 24              | 60 | 43             | 40              |
| 2       | Anand Vihar                                 | 45               | 42                | 42              | 52              | 59 | 64             | 59              |
| 3       | Ashok Vihar                                 | 6                | 9                 | 15              | 4               | 11 | 18             | 17              |
| 4       | Bawana                                      | 34               | 12                | 26              | 21              | 34 | 17             | 19              |
| 5       | Dr.Karni Singh Shooting Range               | 8                | 8                 | 10              | 12              | 33 | 22             | 33              |
| 6       | Dwarka Sec-8                                | 18               | 6                 | 14              | 12              | 15 | 15             | 18              |
| 7       | Jahangirpuri                                | 5                | 9                 | 8               | 6               | 9  | 7              | 33              |
| 8       | JLN Stadium                                 | 12               | 12                | 17              | 23              | 19 | 14             | 16              |
| 9       | Major Dhyan Chand Stadium                   | 7                | 9                 | 12              | 12              | 24 | 9              | 34              |
| 10      | Mandir Marg                                 | 25               | 30                | 46              | 37              | 48 | 24             | 49              |
| 11      | Mundka                                      | 24               | 21                | 26              | 18              | 33 | 26             | 26              |
| 12      | Najafgarh                                   | 45               | 32                | 37              | 34              | 47 | 46             | 36              |
| 13      | Narela                                      | 18               | 11                | 41              | 19              | 24 | 18             | 25              |
| 14      | Nehru Nagar                                 | 7                | 4                 | 10              | 20              | 10 | 13             | 7               |
| 15      | Okhla Phase-2                               | 10               | 17                | 13              | 14              | 20 | 16             | 41              |
| 16      | Patparganj                                  | 20               | 10                | 16              | 8               | 7  | 22             | 8               |
| 17      | Punjabi Bagh                                | 20               | 14                | 25              | 32              | 16 | 19             | 30              |
| 18      | Pusa  | 15               | 13                | 15              | 27              | 31 | 21             | 36              |
| 19      | RK Puram                                    | 14               | 99                | 20              | 22              | 49 | 9              | 22              |
| 20      | Rohini                                      | 9                | 5                 | 13              | 6               | 9  | 13             | 33              |
| 21      | Sonia Vihar                                 | 12               | 12                | 13              | 13              | 57 | 20             | 36              |
| 22      | Sri Aurobindo Marg                          | 5                | 5                 | 5               | 7               | 23 | 17             | 22              |
| 23      | Vivek Vihar                                 | 37               | 12                | 14              | 21              | 28 | 37             | 33              |
| 24      | Wazirpur                                    | 13               | 13                | 29              | 19              | 32 | 28             | 71              |

<sup>63</sup> Reading should be available for at least 16 hours out of 24 hours mandatorily.

**Annexure-III**  
*(Referred to in para 4.1.1)*

**Statement on shortfall in Pollution control centers vis-à-vis registered vehicles in respective zones of Delhi.**

| Name of Zone | Total vehicle registered in zone | Number of PCC in zone | Vehicles registered per PCC (in per cent) in each zone | Percentage of vehicles registered in each zone | Percentage of PCC in each zone |
|--------------|----------------------------------|-----------------------|--|--|--------------------------------|
|              | Col. 1                           | Col. 2                | Col. 3=Col.1/Col.2                                     | Col. 4   | Col. 5                         |
| North        | 818132                           | 35                    | 23375  | 10.56  | 3.61                           |
| New Delhi    | 238603                           | 51                    | 4678   | 3.08   | 5.26                           |
| South        | 1217357                          | 164                   | 7423   | 15.71  | 16.92                          |
| West         | 1071685                          | 194                   | 5524   | 13.83  | 20.02                          |
| North East   | 767253                           | 58                    | 13229  | 9.9  | 5.99                           |
| Centre       | 391378                           | 33                    | 11860  | 5.05   | 3.41                           |
| East         | 896097                           | 83                    | 10796  | 11.56  | 8.57                           |
| North West   | 1309248                          | 242                   | 5410   | 16.9   | 24.97                          |
| South West   | 1039435                          | 109                   | 9536   | 13.41  | 11.25                          |
|              | 7749188                          | 969                   | 7997   |  |                                |

**Annexure-IV**  
*(Referred to in para 4.3)*

**Tests to be conducted as per Central Motor Vehicle Rules, for renewing the annual fitness certificate of Commercial vehicles.**

| Item   | Check fitment | Check make/type/rating etc. as per original equipment recommendations | Check conditions | Check functioning | Test            |
|--|---------------|---|------------------|-------------------|-----------------|
| 1  | 2             | 3   | 4                | 5                 | 6               |
| Sparkplug/suppressor cap/high tension cable            | Yes           | Yes   | Yes              | No                | No              |
| Head lamp beams  | Yes           | No  | Yes              | Yes               | Check           |
| Other lights   | Yes           | No  | Yes              | Yes               | No              |
| Reflectors   | Yes           | No  | Yes              | No                | No              |
| Bulbs  | Yes           | Yes   | Yes              | No                | No              |
| Rear view mirror                                       | Yes           | No  | Yes              | No                | No              |
| Safety glass   | Yes           | Yes   | Yes              | No                | No              |
| Horn   | Yes           | No  | Yes              | Yes               | No              |
| Silencer   | Yes           | No  | Yes              | Yes               | No              |
| Dashboard equipment                                    | Yes           | No  | Yes              | Yes               | No              |
| Windshield wiper                                       | Yes           | No  | Yes              | Yes               | No              |
| Exhaust emission                                       | No            | No  | No               | No                | Yes             |
| Braking system   | Yes           | No  | Yes              | Yes               | Yes             |
| Speedometer  | Yes           | No  | Yes              | Yes               | No              |
| Steering gear  | Yes           | No  | Yes              | Yes               | Check free play |
| Rear Under run Protecting Device For N2, N3, T3 and T4 | Yes           | No  | Yes              | No                | No              |
| Lateral Side Protection Device for N2, N3, T3 and T4   | Yes           | No  | Yes              | No                | No              |