

AUTOMOBILE POLLUTION

CHAPTER FIVE

Automobile exhaust has been recognised as a major source of air pollution in cities. Apart from pollutants like particulate matter (PM), nitrogen oxides (NO_x), carbon monoxide (CO), a number of air toxics like benzene, toluene, xylene, aldehyde and various polycyclic aromatic hydrocarbons (PAH) are also emitted from automobiles. Besides the primary pollutants, the reactions between certain pollutants (NO_2 and non-methane hydrocarbons in presence of sunlight generate large number of secondary air pollutants like ozone, peroxyacids, etc. These compounds significantly impact human health, plants and agricultural crops. In order to control emissions from automobile exhausts, the West Bengal Pollution Control Board (WBPCB) with active support from the state government, oil companies and automobile manufacturers have undertaken a number of actions.

Upgraded AETCs in West Bengal

In association with the State Department of Transport, the WBPCB has facilitated the setting up of computerised and upgraded Emission Testing Centres (AETCs) centres in West Bengal. The AETCs have upgraded their testing facilities with opacimeters, gas analysers, web-camera, compatible software and provisions for networking with the AETCs and the Regional Transport Authorities (RTAs). The AETCs provide PUC (Pollution-Under-Control) certificate to the vehicles who pass the test. Each AETC has one set of opacity meter (for smoke density testing) with engine revolution per minute (RPM) sensor for diesel engine, engine oil temperature sensor, computer, web-camera, software (for measured data transfer) and colour

printer. For Petrol/LPG/CNG engines, four or five gases analysers with facility for testing exhaust gases like CO, CO₂, O₂ and HC are being installed at the AETC premises. The emission standards for the in-use vehicles under Sub-Rule 2 of Rule 115 of the Central Motor Vehicles Rules, 1989 has been amended *vide* GSR 111(E) dated 10-02-2004. The amended features include computer printout of PUC certificates as well as HC for petrol-driven vehicles, reactive HC for LPG-driven vehicles and non-methane HC for CNG-driven vehicles has been included along with CO for vehicular emission monitoring. The status of technical recommendation for AETCs in Kolkata and adjoining districts issued by the WBPCB during the year 2006-2007 is tabulated below.

TABLE: 2.5.1

STATUS OF TECHNICAL RECOMMENDATION OF AETC DURING 2006-2007

Sl. No.	Name & address of the AETC	Date application received at WBPCB	Date of inspection	Date of issue of recommendation	
				Four-gas analyzer	Smoke density meter
1.	Joynagar Popular Service Station. 145, N.S. Bose Road. PO & PS – Jaynagar. 24Pgn (S) – 743 337.	05.01.2006	03.04.2006	20.04.2006	20.04.2006
2.	Liluah Service Station. 286/1 (old-44/1) G.T. Road. P.O. Liluah, P.S. Bally. Dist – Howrah.	05.01.2006	15.05.2006	18.05.2006	18.05.2006
3.	Maa Tara Weigh Bridge. Agarpara, Tentultala, B.T. Road, PO – Agarpara, PS – Khardah. 24 Pgn(N) – 700109.	06.01.2006	15.05.2006	18.01.2006	18.05.2006
4.	Debi Auto Emission Testing Centre. 29, Howrah Amta Road, PO Dasnagar PS Jagacha, Howrah 711105.	16.01.2006	12.04.2006	21.04.2006	21.04.2006
5.	Trinayani Fuel Station. 89, Barrckpur Dumdum Expressway. PO Titagarh PS Khardah 24 Pgn (N) 700119	20.01.2006	30.03.2006	21.04.2006	N.A.
6.	Alampur Service Station. N.H. 6, PO New Colorah. PS- Sankrail Dist Howrah.	30.01.2006	12.04.2006	21.04.2006	21.04.2006
7.	Das Auto Emission Testing Centre. PO – Bhastara, PS – Dasghara, Hooghly 712303.	01.03.2006	26.04.2006	28.03.2006	08.05.2006

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				Four-gas analyzer	Smoke density meter
8.	Start Well. 178, N.S.C. Bose Road, PO Regent Park PS Jadavpur, Kolkata - 40.	10.03.2006	04.05.2006	10.05.2006	10.05.2006
9.	Sarkar Diesel. PO Badkulla Krishnanagar Road, PS Hanskhali Dist Nadia 741121.	07.04.2006	08.05.2006	15.05.2006	15.05.2006
10.	Saha Auto Emission Testing Centre. 35, Barasat to Bongaon Jessore Road, PO Chandpara, PS Gaighata, 24 Pgn(N) 743 245.	19.04.2006	10.05.2006	15.05.2006	15.05.2006
11.	Pragati Service Station. Raghunathpur, PO Saguna, PS Kalyani, Dist Nadia 741 245	18.04.2006	08.05.2006	15.05.2006	15.05.2006
12.	A.K.Dutta & Sons. M.M. Ghosh Street, PO Krishnanagar, PS Kotowali, Dist Nadia 741101.	18.04.2006	08.05.2006	15.05.2006	15.05.2006
13.	S.S. Auto Emission Testing Centre. Mankundu Station Road. P.O. Chandannagar. Dist Hooghly Pin 712 136.	16.05.2006	23.05.2006	30.05.2006	N.A.
14.	Green Smoke Testing Centre Vill&PO New Colorah, NH-6, PS Domjur, Howrah.	22.05.2006	29.05.2006	01.06.2006	01.06.2006
15.	Bhattachatjee Auto Emission Testing Centre. Kanpur Road, Vill&PO Harit, PS Dadpur, Hoohly 712 305	29.05.2006	06.06.2006	08.06.2006	08.06.2006
16.	Seva Enterprise. Shop no 2, E.H.S.compound,Delhi Road, PO Bamunari, PS Dankuni, Hooghly 712 205.	06.06.2006	08.06.2006	12.06.2006	12.06.2006
17.	Viniline Engineering Pvt Ltd. Narayantala West, VIP Road, PO & PS Baguiati, 24 Pgn(N) – 700 059.	12.06.2006 14.07.2006	13.06.2006	31.07.2006	N.A.
18.	Palchowdhury Brothers. NH-34. Madhyamgram, 24 Pgn(N)	27.03.2006	15.06.2006	20.06.2006	20.06.2006
19.	Jounpur Service Station. 194/1 G.T. Road (N). PO : Salkia, PS : Malipanchghara. Howrah : 711 106.	21.12.2005. 28.06.2006	20.06.2006	16.01.2006	04.07.2006
20.	Gateway Transport Co. Pvt. Ltd. Court Road, PO & PS : Bongaon, 24 Pgn(N) – 743 235.	07.06.2006	26.07.2006	02.08.2006	02.08.2006

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				Four-gas analyzer	Smoke density meter
21.	Debabrata Auto Emission Testing Centre. Karimpur Road, PO & PS : Karimpur, Nadia : 741 152.	12.06.2006 01.09.2006	05.07.2006	18.09.2006	24.07.2006
22.	Tania Auto Emission Testing Centre. G.T.Road, Laxminagar Bazar, PO & PS : Chandannagar, Hooghly.	21.06.2006	07.07.2006	24.07.2006	N.A
23.	Mira Emission Testing Centre. G.T. Road, Kantapur, PO & PS : Mogra, Hooghly – 712 148.	03.05.2005 23.06.2006	07.07.2006	21.06.2005	24.07.2006
24.	Minu Auto Emission Testing Centre. 179/A/A N.T.Road, PO : Baidyabati, PS : Srerampur, Hooghly : 712 222.	27.06.2006	11.07.2006	24.07.2006	24.07.2006
25.	Roy Chowdhury Auto Emission. 30, Rishi Bankim Sarani, PO & PS : Srerampur, Hooghly – 712 201.	29.06.2006	02.08.2006	08.08.2006	N.A.
26.	Lauhati Service Station. PO : Lauhati, PS : Rajarhat, 24 Pgn(N)	13.07.2006	18.08.2006	31.08.2006	31.08.2006
27.	Pioneer Automobiles. Pioneer Automobiles & Allahabad Building. 91, bus Road, PO : Rajarhat Gopalpur, 24 Pgn(N) – 700 136.	27.04.2005. 14.07.2006	30.06.2005. 07.08.2006	11.08.2005	17.08.2006
28.	Palchowdhury Enterprises. 161, B.T. Road, PO : Titagarh . PS : Khardah, 24 Pgn(N) – 700 119.	17.07.2006	31.07.2006	08.08.2006	08.08.2006
29.	Santipur Auto Emission Centre. Chatkatala, 1 no Nutan Fulia, NH-34, PO : 2 no Nutan Fulia, PS : Santipur, Dist. Nadia : 741 404.	31.07.2006	01.09.2006	18.09.2006	18.09.2006
30.	Pal Brothers Service Station. G.T. Road, Chandannagar, PO & PS : Chandannagar, Hooghly : 712 136.	28.07.2006	29.08.2006	05.09.2006	05.09.2006
31.	Himalaya Auto Emission Testing Centre. Durgapur Expressway, PO : DCC Dankuni, PS : Dankuni, Hooghly : 712 310.	02.08.2006	21.08.2006	31.08.2006	31.08.2006
32.	Ganeriwala Super Service – II, 181, G.T. Road (North) Salkia, Howrah – 711 106.	31.08.2006	26.10.2006	14.11.2006	14.11.2006
33.	Maheshtala Auto Centre. Budge Budge Trunk Road, PO – Chandannagar, PS – Maheshtala, 24 Pgn(S) – 700 141.	10.10.2006	19.10.2006	27.10.2006	27.10.2006

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34.	Sree Ganesh Trading 7, Jessore Road, District : 24 Parganas (North)	05.09.2006	18.10.2006	27.10.2006	27.10.2006
35.	Super Auto Emission Centre. Maheshpur, Arambag – Tarakeswar Road, PO & PS : Arambag, Hooghly – 712 601.	19.09.2006	03.01.2007	09.01.2007	09.01.2007
36.	Joy Ma Service Station. 86, G.T. Road, Barabazar, PO & PS : Chandannagar, Hooghly – 712 136.	31.10.2006	19.12.2006	09.01.2007	09.01.2007
37.	Sheakhala Auto Emission Testing Centre. Chanditala Chandannagar Road, PO – Sheakhala, PS – Haripal, Hooghly – 712 706.	30.10.2006	21.11.2006	30.11.2006	30.11.2006
38.	Maruti Suraksha. Ahalya Bai Road, PO – Champa danga, PS – Tarakeswar, Hooghly.	30.10.2006	21.11.2006	30.11.2006	30.11.2006
39.	Calcutta Road Transport Co-operative Society Ltd (Re-fill). South Joypur, Bombay Road, NH-6, PO- Anandanagar, PS – Liluah, Howrah- 711 227.	31.10.2006	11.01.2007	N.A.	22.01.2007
40.	Budge Budge Service Centre 118, Mahatma Gandhi Road, PO – Budge Budge, Ward no – 10, 24 Pgn(S) – 700 137.	28.09.2006	08.12.2006	20.12.2006	20.12.2006
41.	Sibtala Service Station. PO – Bhadrakali, PS – Uttarpara, Hooghly – 712 232.	14.11.2006	11.01.2007	22.01.2007	22.01.2007
42.	Smart Motor Garage. Diamond Harbour Road, PO : Pailan, PS : Bishnupur, 24 Pgn (S) : 700 104.	28.11.2006	08.12.2006	20.12.2006	20.12.2006
43.	Pal Auto Emission Testing. Barasat Road, PO & PS – Ghola, Dist : 24 Pgn(N) – 700 111.	13.12.2006	24.01.2007	29.01.2007	N.A.
44.	Anderson Auto Service. 7B, Belvedere Road, PO & PS – Alipur, 24 Pgn(S).	20.12.2006	07.02.2007	19.02.2007	—
45.	Milap Service Station. 14, Ashutosh Mukherjee Road, PS – Bhabanipur, Kolkata – 700 020.	20.12.2006	01.02.2007	06.02.2007	06.02.2007

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46.	Prince Service Station 377B, Prince Anwar Shah Road, PO – Jodhpur Park, PS – Jadavpur, Kolkata – 700 068.	21.12.2006	12.02.2007	19.02.2007	N.A.
47.	Chandimata Auto Emission Testing. 243 & 245, Benarash Road, PO – Garalgacha, PS – Chanditala, Hooghly – 712 708.	22.01.2007	16.02.2007	27.02.2007	27.02.2007
48.	Raj Rani Service Station. Mathurapur Road, PO – Garia, PS – Sonarpur, 24 Pgn(S)	02.03.2007	19.03.2007	27.03.2007	27.03.2007