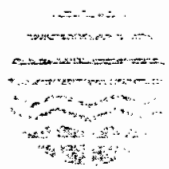
ACTION TAKEN REPORT
ON
COMPREHENSIVE ACTION PLAN - 2011
FOR CRITICALLY POLLUTED INDUSTRIAL CLUSTERS OF NOIDA (U.P.)

(As on Dec 2014)



U.P. POLLUTION CONTROL BOARD
LUCKNOW

Progress Report of Action Plan Noida, Uttar Pradesh

Short Term Action Points (upto 1 year, including continuous activities)

S. No.	Type Of Pollution		Action Points (Source and Mitigation)	Responsible Agencies/Stake Holders	Time Limit/Frequency	Progress upto Aug 2014 incorporating points raised in Annexure of CPCB Affidavit dated 27.05.2014
1.	**Water Pollution**	**(a)**	**Industrial Source** - Proposed Action Plan for effective control of Water Pollution: • Regular effluent sample collection and analysis of Pollution Control System in Large & Medium & Small Scale Polluting Industries to be done to ensure strict compliance of prescribed Norms. It is to be mentioned that a total of 49 industries are categorized as Large & Medium units whereas 98 units are covered under SSI categories the entire District Gautambudh Nagar (includes NOIDA & Greater NOIDA)	UPPCB & Individual Industry	**Frequency** Large & Medium Industries -**3 months** Small Scale Industries -**6 months** (By UPPCB) & By Individual Industries as follows - L & M - Every 3 Months. Small - Once a Year	In Noida Region a total of 15 industries are categorized as Large & Medium units whereas 59 units are covered under SSI category as water polluting units. Out of these total 74 industries, 16 are closed, 57 industries are operational. In order to ensure regular operation of pollution control systems and compliance, regular inspections of industrial units are being done as per the frequency mentioned in Action Plan. This is an ongoing activity. As and when any unit is found in default suitable action is taken by the Board. At present during April 2014 to August 2014, a total of 15 industrial units under large and medium category and a total of 35 units under SSI category were inspected and samples were collected and out of the 50

						industries inspected two units M/s N.K. Dyeing and M/s Z.A. Electroplater were found non complying therefore legal action against them is under process.
			• Installation of energy meter, on line pH meter, automatic chemical dozing system, on line flow measurement and installation of independent laboratory to monitor critical parameters like MLSS, SVI etc. and other inlet and outlet parameters of ETP for Large & Medium Industries and industries situated in Hosiery complex.	Individual Industries.	Within 06 months.	At present out of 15 large and medium industries, 9 units have set up own laboratory facility for pollution control & out of 53 industries operating Red Industries, 26 Units have installed separate energy merets on ETPs for record of power consumption. Industry wise list regarding installation of Energy Meter & setting up of inhouse laboratory is enclosed at **Annexure 1.** Industry wise List of Industries in context of installation of energy meter, online pH meter, automatic chemical dozing system, laboratory, online flow measurement etc. in respect to Large and Medium Industries and industries situated in Hosiery Complex is enclosed at **Annexure 2.**
			• Upgradation of ETP in existing water polluting units is to be done on case to case basis. Under the upgradation plan, suitable tertiary tretment methods are to be installed in a	UPPCB & Individual Industri :s.	06 Months (Ongoing)	In Noida Region 12 units out of total 53 operational industries including large, medium and small scale industries have upgraded their ETP's and 12 units have started

			time bound manner in order to ensure that treated water is recycled / reused to the maximum extent.			recycling/reuse of treated effluent by tertiary treatment. List of Units having upgraded the ETPs, total quantity of treated water recycled / reused is enclosed at **Annexure 3.**
			• **Upgradation of ETP's**: Conversion of conventional reduction treatment of electroplating waste water to Ion exchange method and its recycling in Large & Medium sector units, wherever existing ETP is not functioning properly. Prospective agents with expertise in this field shall be shortlisted in next 6 months.	UPPCB & Individual Industries.		In Noida Region 01 Waste Paper Based Unit M/s Sandeep Paper Mills is situated & has installed fiber recovery unit (Krofta) for recycling of treated effluent. In addition, three electroplating units have installed the ion exchange recirculation System. The list of above units is enclosed at **Annexure 4.**
			• Small industries in the region currently using physico chemical treatment methods to treat their effluent shall be upgraded such as installation of dual media filter and Activated Carbon filter.			In Noida, a total of 13 textile small scale units have installed dual media filter and ACF in their ETP's for recycling of the treated waste water. The list of above units is enclosed at **Annexure 5.**
		(b)	**Groundwater Pollution** • Previously due to improper discharge of coloured effluent the ground water quality of Village Chhapraulla has been affected. The main culprit was following industry : M/S K.L.Concast.			Direction has been issued for closure of the identified industry. Unit is lying closed.

			In order to solve the problem of ground water pollution in the affected area following steps have been taken/proposed. **Action Point** - Ground water sampling & monitoring at one ground source at each of the critically polluted cluster. For ground water remediation plan for Chhapraulla area, UPPCB has issued directions to Regional Officer Noida and identified industry for carrying out detailed ground water study of the affected area at critical locations	UPPCB R.O. UPPCB, Noida & Individual Industry. UPPCB and Individual Industries.	Regular inspection are done to ensure the unit is not functioning Within 6 months	In the period April 2014 to August 2014, 35 no. of ground water samples were taken in Noida region. The results have been found to be within norms except TDS & Hardness (which is inherit), the analysis report is enclosed at **Annexure 6.** Keeping in view the present Ground Water Quality of the Region as evident from annexed reports, the activity of remediation is not required.
			• UPPCB proposes to take an undertaking in the form of notary affidavit from industries to ensure that they are not putting water into ground through reverse boring and rather discharging into drains through one outlet only. Also, intensive surveys will be done to ensure that practice of reverse boring is not prevalent in the region.			Regular inspections of industrial units are carried out to ensure that reverse boring is not practiced and it was found nowhere. No reverse boring has been found during various inspection.
		(c)	**Domestic Waste Water (Sewage)** Domestic sewage contributes to about 80% of Water. The status of Sewage Pollution Control in Noida is as follows:	Noida Authority		All the 08 STP's of total capacity 218 MLD of Noida have been commissioned and operational. At present Noida is having surplus capacity for treating Domestic Sewage. Two STPs of capacity 34 MLD and 27 MLD UASB Based are being upgraded to SBR. 85% work is completed.

			➢ **03** STPs are Operational: • 34MLD - At Sector 50 [UASB Technique] • 27MLD - At Sector 54 [UASB Technique] • 09MLD - At Sector 54 [Oxidation Pond]			➢ **08 STPs are operational as detailed below :-** • 34 MLD - At Sector 50 [UASB Technique] • 27 MLD - At Sector 54 [UASB Technique] • 09 MLD - At Sector 54 [Oxidation Pond] • 25 MLD - At Sector 50 [SBR] • 33 MLD - At Sector 54 [SBR] • 35 MLD - At Sector 123 [SBR] • 50 MLD - At Sector 168 [SBR] • 0 5 MLD - At Sector 91 [Oxidation Pond] ➢ Present Infrastructure of STPs is sufficient to catter the present total generation of Sewage. ➢ For upgradation of STPs following measures are proposed :- • 34 MLD UASB Plant is being upgraded to 34 MLD SBR. • 27 MLD UASB Plant is being upgraded to 27 MLD SBR.

						As per the information given by Noida Authority, reuse of treated sewage is being done in building construction, gardening & remaining treated sewage being discharge in Yamuna/Hindon River. May, 14 to July, 14 total treated water sold to bulk construction activity in 2,09,564 KL
			➢ Effective operation, up gradation & maintenance of installed STP.	UPPCB and Noida Authority	On going	Regular monitoring of STPs is being done. As per Noida Authority, physical progress of upgradation of existing STPs is around 85% & expenditure till July 14 is Rs. 70.39 Cr.
			➢ Combined Inspection of STPs by UPPCB and Jal Nigam	UPPCB and Jal Nigam	Every 3 Months. Compliance Report Every 3 Months to UPPCB by Project proponent. (Ongoing Process)	Regular monitoring of STPs is being done. The treated sewage from STPs is being reused for irrigation purposes as well as for use in the construction of upcoming building projects. All the STPs have been handed over by the Jal Nigam to Noida Authority. Regular monitoring of STPs is being done. 50 no. of inspections were carried out by UPPCB from April 2014 to August 2014. The treated sewage from STPs is being reused for irrigation purposes as well as for use in the construction of upcoming building projects. All

						residential. non residential domestic sewage are well connected with STPs. Treated water is being used in irrigation & construction activity etc.
			➢ Upcoming High Rise Buildings, Commercial Project, Educational Institution, Multi Plexes, Town ship & Building Projects are major source of sewage generation and Municipal Solid Waste. Such projects must ensure setting up of STPs, recirculation of treated water for flushing/gardening regarding purpose & ensure compliance of the conditions of the Environment Clearance and NOC from PCB	Project proponent Noida Authority & Greater Noida Authority UPPCB.		36 projects including Highrise Buildings, Education Institutions, Townships, Hotel, Shopping Malls, Hospitals, Commercial set ups have installed individual STPs and are being monitored regularly. List is enclosed at **Annexure 7.** The process of inventrisation is being carried out. Board is ensuring that all upcoming new building projects are provided with STPs and treated effluent is recycled for in house horticulture & flushing purposes.
		(d)	**Hindon River Pollution** Presently river Hindon gets polluted water from Ghaziabad and upstream of Ghaziabad. It is being monitored at two sites fortnightly for specific parameters. It is proposed to monitor Hindon river for colour, total coliform, fecal coliform and regular parameters like BOD, COD, and DO.	UPPCB	Sampling & Monitoring every month by UPPCB.	Four samples of Hindon River (01 sample each u/s and d/s on a fortnightly basis) in a month are being collected and analysed regularly for general parameters. The river water quality monitoring report is annexed. **Annexure 8.** Total of 20 samples from Hindon have been collected in the period of April-14 to August-14 and analysed by the Regional Laboratory of the Board. The analysis shows that

						the level of DO is higher at down stream as compared to up stream and level of BOD and COD are lessor than that of up stream normally.
		(e)	**Infrastructural facilities:** Drainage problem has been reported at some places of Noida & Greater Noida leading to choking of the drain and ponding of water. Authority is advised to regularly clean drainage system to avoid water stagnation / over flowing.	Noida Authority, UPSIDC	Every month	Regular work is being done by the Authority for controling the drainage problem. As per schedule of Noida Authority. drains are regularly cleaned.
2.	**Air Pollution**	**(a)**	**Industrial:** A total of 49 industries categorized as Large & Medium units & 53 units under SSI category have been identified under Red Category Polluting Industries in the area. In Noida Region a total of 15 industries are categorized as Large & Medium units whereas 42 units are covered under SSI category as air polluting units, out of which 13 industries are closed. 44 industries are operational.	UPPCB & Individual Industries.	Stack Monitoring of Large & Medium units every 06 months and once in a Year for SSI units. (By UPPCB & by individual Industries)	Regular inspections of industrial units are being done as per the frequency mentioned in Action Plan. In order to ensure regular operation of pollution control systems and compliance. 97 stack monitoring has been cunducted since Set-11 to Aug-14. This is an ongoing activity. As and when any unit is found in default suitable action is being taken by the Board. 02 units were found non complying with the prescribed norms therefore legal action against them is under process. Also. Ambient Air Quality Monitoring is done by the Regional Laboratory of UPPCB at 04 locations.

						Order for 03 manual AAQM has been placed and the quotation for 03 display board has been sent to Noida Authority for fund allocation. for expanding the existing Network of AAQM.
			Proposed Action Plan for effective control of Air Pollution: • Regular Monitoring of Pollution Control System in Industries in order to ensure strict compliance of prescribed Norms.			02 monitoring stations are already established under NAMP project. Two more monitoring stations for PM $_{2.5}$ have also been established. Order for 03 manual AAQM has been placed and the quotation for 03 display board has been sent to Noida Authority for fund allocation.
			Major industrial sector of concern from Air Pollution point of view are as below: ➢ Two Lead Ingots manufacturing Units have been identified in the region, namely Met Trade and Bindal Smelting, stack monitoring of both for lead and other parameters have been done and was found within limits. It shall be carried out in an ongoing manner to assess the adequacy of Air Pollution Control System. Regular inspection of Air Pollution Control Systems and	Inspection - UPPCB. Monitoring – UPPCB and Industry	December 2010 & every 6 Months by Medium Industries & once a Year by Small Scale Units. March 2011	UPPCB conducts regular inspections of air pollution units in the area in order to ensure operation of APCS and compliance. Both the lead ingot manufacturing units have installed adequate Air Pollution Control System. In Noida Region, 01 unit named as M/s Bindal & Bindal Battery is engaged in the production of Lead Ingot. Unit has installed Wet Scrubber & Stack as Air Pollution Control System. Unit

			stack and ambient monitoring for lead & other parameters.			is using PNG as fuel. UPPCB conducts regular inspections or air pollution units in the area in order to ensure operation of APCS and compliance.
			➢ Induction Furnace - Such industries are marked with generation of substantial amount of process of Air Emission. Provision of secondary hoods & additional ID Fan etc. for collection of untrapped Air Emission in all the Induction Furnaces	UPPCB & Industries.		There is no Induction Furnace Unit located in Noida Region.
		(b)	**Illegal setup of Industrial activities** Some small lead recovery units have been setup illegally in Badalpur area of G.B.Nagar and other adjoining residential areas causing environment pollution. Action against such industries has been taken.	UPPCB		Previously identified 15 illegal lead recycling units in Badalpur Area have been closed by Board. There is no Lead Recycling Unit located in Noida Region. District Magistrate has directed the GM, DIC to form a committee on a priority basis to take prompt action against illegal pollution units.
			Regular combined drives are to be carried out by Pollution control board and District Administration to identify and seal such illegal industrial activities.	UPPCB and District Admn.	Combined drives every 2 months by UPPCB & District Administration.	Inventrisation of illegal units is on going process. A Total of 15 illegal units operating in residential areas of villages-Jhundpura, Bishanpura, Hoshiyarpur, Chhijarsi were identified in recent inspections for which District Magistrate has directed the GM, DIC to form a committee on a priority basis to take prompt action against illegal pollution units. **Annexure-9.**

			UPPCL to ensure that electric connection is not sanctioned in favour of such industries which are not in conforming area.	UPPCL and Udyog Bandhu	Within 01 month	UPPCL and administration to ensure disconnection of electric connections of illegal units. UPPCL has been intimated to issue new electric connections only to conforming area industries which have obtained NOC/ Consent of the Pollution Control Board.
		(c)	**Monitoring of D.G Sets:** ➢ Inventorisation of Old D.G. Sets in Industrial clusters and Commercial set ups including Multiplexes / Shopping Malls/ Educational Institution within or near industrial areas to be done by UPPCB.	UPPCB	06 Months.	All the red category units having DG sets located in Noida are having appropriate acoustic enclosure. Also 648 no. of Orange Category Industries have also installed Silent D.G. Sets. List enclosed at **Annexure-10.** List of Commercial establishment having Silent D.G. Sets is enclosed at **Annexure-11.**
			➢ Post inventorisation remedial action with respect to air and noise pollution from likely sources shall be taken against defaulters.	UPPCB	Ongoing	Board has identified 22 DG Sets operating without acoustic enclosure in industrial units They have now installed acoustic enclosures on DG Sets
			➢ Installation of Acoustic Enclosure with required APCS and adequate stack height in Old D G Sets to be ensured.	UPPCB	09 Months.	All the red category units having DG sets located in Noida are having appropriate acoustic enclosure. 04 new DG Sets has been issued notice.

		(d)	**Noise Monitoring** Board is procuring real time noise monitoring system. This will be installed in Commercial, Residential, Industrial and Sensitive Zones of the Region.	UPPCB	06 months	Siting of locations for instrument installation has been done. Board is conducting noise monitoring manually at 8 locations of these zones on fortnightly basis.
3.	**Land Pollution**	(a)	**Proper Storage & Disposal of Hazardous Waste & Solid Waste.** The status of Hazardous Waste Disposal in Noida are as follows: ➢ Total No. of Units - 281 ➢ Self Closed Units - 31 ➢ Operational Units - 250 ➢ Units recycling the waste - 45 ➢ Units which have become member of Common TSDF-208	Individual Industry UPPCB	To send waste every 03/04 months to TSDF To monitor individual industries every six months.	All industries generating hazardous waste in the region are disposing their waste through autohorized **TSDF** / vendors only. Other than site inspection, regular monitoring of Form 13 and Form 4 submitted by industries is being done to ensure timely disposal of waste.
		(b)	**Bio-Medical Waste Disposal** 222 Hospital & Health Care Facilities are identified in Noida out of which all. 222 are member of Common BMW Treatment Facilities. Regular Inspection and monitoring of Hospitals / Nursing Homes has to be done	Regional Office, UPPCB	Inspection of Big Hospitals Every 03 months & Small Hospitals every 06 months by UPPCB.	Board officials conduct regular inspections of Bio-Medical Waste generating centres to ensure that proper segregation, disposal and house keeping facilities are in place. The Bio-Medical Waste is disposed off through Common BMW Treatment Facilities M/s Samb Ramky, Ghaziabad and M/s Synergy Ltd., Meerut

Long Term Action Points (more than 01 year)

S. No.	Type Of Pollution		Action Points (Source and Mitigation)	Responsible Agencies/Stake Holders	Time Limit/Frequency	Progress upto Aug 2014 incorporating points raised in Annexure of CPCB Affidavit dated 27.05.2014
1.	**Water Pollution**	**(a)**	**Industrial Pollution** • Adoption of Cleaner Technology if available, in order to reduce quantity of waste water. Promote recycle after treatment for sector like Paper, Tannery. • Strategies regarding cleaner technologies in Paper, Tanneries are to be conducted in a time bound manner. In the Waste Paper based units, stress is being laid for setting up of tertiary treatment facilities in order to ensure maximum recycling of treated waste water. Also recycling of the process water is being done as part of cleaner technologies. In the Tannery sector, the strategies regarding cleaner technologies include setting up of Chrome Recovery Plant and adoption of salt less technology / adoption of better salt management technologies in order to achieve lower TDS	Individual Industries UPPCB & Individual Industries	Within 02 Years. (By Industries) + 1 year. (By Industries)	In Noida Region No Tannery Unit is located. Waste Paper based units have installed Fibre Recovery Plant and have started recycling of treated effluent In Noida Region 01 Waste Paper based unit is situated. One unit M/s Sandeep Paper Mill has installed Krofta technology for recovery of pulp, which in turn reduces consumption of fresh water requirement. Also the treated waste water is being recycled for use in the process. In Noida Region 03 Electroplating Units have installed Ion Exchange Technology for treatment of effluent. At present during April 2014 to August 2014, a total of 15 industrial units under large and medium category and a total of 35 units under SSI category were inspected and samples

			level in effluent.			were collected and out of the 50 industries inspected two units M/s N.K. Dyeing and M/s Z.A. Electroplater were found non complying therefore legal action against them is under process. The remaining units are proposed to be inspected in the near future.
		(b)	**Domestic Waste Water (Sewage)** ➢ At present, 03 STPs are functional in Gautam Buddha Nagar as follows : • 34 MLD [UASB] and 25 MLD [SBR] at Sector 50 • 27 MLD [UASB] and 33 MLD [SBR] at Sector 54 • 09 MLD Oxidation Pond at Sector 54	UPPCB and Noida Authority	Ongoing 2012	➢ **08 STPs are operational as detailed below :-** • 34 MLD - At Sector 50 [UASB Technique] • 27 MLD - At Sector 54 [UASB Technique] • 09 MLD - At Sector 54 [Oxidation Pond] • 25 MLD - At Sector 50 [SBR] • 33 MLD - At Sector 54 [SBR] • 35 MLD - At Sector 123 [SBR] • 50 MLD - At Sector 168 [SBR] • 0 5 MLD - At Sector 91 [Oxidation Pond] ➢ Present Infrastructure of STPs is sufficient to catter the present total

						generation of Sewage. ➢ For upgradation of STPs following measures are proposed :- • 34 MLD UASB Plant to be upgraded to 34 MLD SBR. • 27 MLD UASB Plant to be upgraded to 27 MLD SBR. Ultimate Planning has been done as per Master Plan-2031 for Sewage Treatment as below:- **Year – MLD** 2016 – 231 2021 – 410 2026 – 480 2031 – 551 Reuse of treated sewage is being done in building construction, gardening & remaining treated sewage being discharge in Yamuna/Hindon River. May, 14 to July, 14 total treated water sold to bulk construction activity in 2.09.564 Kl.
			➢ Covering of major open Nalas carrying domestic sewage.	Noida & Greater Noida Authority	36 Months	Work on widening and covering of major nalas is being done by Noida regularly. It is an on going activity. In current year 2014-15 total

						expenditure till date is Rs. 13.09 Crs. Against provision of Rs. 61.50 Crs. Nalas are carrying some untreated Sewage from Delhi area, treated STP Sewage Water, waste water of Industrial area. Work of Nala Covering in progress at following locations:- (a) Sector-4 (b) Sector-5 (c) Sector-15 (d) Sector-38 (Near Golf Course) (e) Sector-36
		(c)	**Groundwater Pollution** : Gound water study may be carried out in all the 6 Industrial Clusters by Out Sourcing Agencies every 06 months.	UPPCB & Designated Agencies.		At present, Board is carrying out Ground water monitoring in the area on case to case basis. In Noida Region UPPCB is carrying out regular ground water monitoring at 07 locations. In the period April 2014 to August 2014, 35 no. of ground water samples were taken in Noida region. The results have been found to be within norms except TDS & Hardness.
		(d)	**Hindon River Pollution :** To monitor Hindon river U/S & D/S every month for metal like Cd, Pb, Cu, Cr beside regular parameters after getting AAS.	UPPCB	16 months	One instrument "spectroquent" has been received for the analysis of heavy metals. Analysis are being carried out.

			Procurement of new AAS. Atomic Absorption Spectro Photometer.	UPPCB & CPCB.	01 Year	
2.	**AIR POLLUTION**	(a)	**Industrial Pollution** • Implementation of Cleaner Technology in order to reduce quantity of process and fugitive emissions and Effective operation & maintenance of installed APCS. Implementation of cleaner technology / adoption of cleaner fuel, identification of industries to be done in time bound manner.	UPPCB and Individual industry	December 2011	Indraprastha Gas Limited has laid pipelines to provide cleaner fuel to industries. No. of industries PNG is being supplied - 127 No. of commercial units PNG is being supplied - 155
			Switching over to cleaner fuel has been proposed as the best option to control Air Pollution in Industrial Areas. Some industries like Honda Siel, Honda Power, Moser Baer and LG have already switched to cleaner fuel technology. Technological intervention / switching over to cleaner fuel to be done in time bound manner.	Individual industry, UPPCB Various gas agencies		No. of industries PNG is being supplied - 127 No. of commercial units PNG is being supplied - 155
			• To supply and promote the use of cleaner fuel like CNG, in order to reduce emissions in the industrial	Various gas agencies		As above

		(b)	**Introduction of Cleaner Fuel for Industrial Uses :** Currently industries are using Coal/ Petro Coke/Wood and FO/LDO/LSHS as a fuel which emits SPM and SO_2 and other pollutants. If CNG is made available to industries the RSPM, SO_2 will be reduced and Ambient Air Quality will be improved. Board has given NOC to IGL & Adani Group to provide CNG in Noida for vehicles as well as industrial & domestic use. These companies need to expedite their distribution network for the same at the earliest.	Gas and Oil Companies	Gas & Oil Companies are in process of getting more and more industries on board and complete switch from solid fuel to clean fuel will be done in a time bound manner.	Indraprastha Gas Limited has started laying pipelines to provide cleaner fuel to industries. At present in Noida Region. 127 industrial units are using PNG as industrial fuel and 155 commercial establishments are using PNG as fuel. Notices have also being issued to 18 major Air Polluting Units for switching over to cleaner fuel PNG.
		(c)	**Clean fuel for vehicles:** At present 06 and 02 CNG stations are operational and are supplying approximately 01Lac SCM/day and 35000 SCM/day of CNG for commercial vehicles petrol in Noida and Greater Noida respectively & rest most of the vehicles are using Diesel, Board has given NOC to IGL & Adani Group to provide CNG in Noida for vehicles as well as industrial & domestic use. These companies need to expedite there distribution network for the same.	RTO & Gas Companies	01 year / As per plan submitted by Gas agencies.	Indraprastha Gas Limited has opened 21 CNG stations for vehicles. Also, ARTO office of the region has ensured that no commercial vehicle using petrol/diesel as fuel in the region is registered. As of July, 14 there are 55 vehiclure pollution control checking stations authorized by the Transport Department. Traffic Police has challan 813 polluting vehicles between 1st February, 14 and 31st July, 14. Fifty Five traffic signals are currently solar powered.

			Diesel Commercial Old vehicles should be phased out.			At present 21 CNG stations are operational in Gautam Budh Nagar and 1,40,000 kg per day of CNG is being supplied. ARTO office of the region has ensured that no commercial vehicle using petrol/diesel as fuel in the region is registered.
		(d)	**Installation of NAAMP Stations** At present 02 manual AAQM Stations are operational in Noida but they need to be upgraded to monitor RSPM and $PM_{2.5}$ as per new AAQM Standard and also other parameters listed in new AAQM ➢ 01 continuous AAQM Stations need to be set up ➢ Ambient Air Quality in critical Industrial Zones to be monitored manually once in every 02 months on 24 hours basis by UPPCB.	UPPCB and CPCB		01 CAAQM is being installed in Noida Region on 50:50 cost sharing bases with CPCB. Order for 03 manual AAQM has been placed and the quotation for 03 display board has been sent to Noida Authority for fund allocation.
		(e)	**Display of AAQM data** On line display of AAQM data at two different locations in the area need to be under taken by Industries Association and UPPCB	UPPCB, CPCB Proposal to be made by UPPCB & sent to CPCB	1.5 Years	On line display of AAQM data being done & data is regularly displayed at Board website. Installation of 03 display board are propsed in Noida Region. Order for 03 manual AAQM has been placed and the quotation for 03 display board has been sent to Noida Authority for fund allocation.
		(f)	**Use of Cleaner fuel** Time frame to be chalked out by	RTO in consultation	01 Year	All commercial vehicles registered in the region are

			RTO for conversion of all commercial vehicles such as Auto, Bus & Vikram into CNG.	with Gas Companies		running on CNG only.
		(g)	**Development of Green Belt** Noida & Greater Noida Authority & Industries should develop green belt from 20% to 33% of the total area.	Noida & Greater Noida Authority	Ongoing	Green Belts are being developed as per Master Plan 2031. Rs. 19 Crs. Have been spent on plantation between April 14 to July-14
3.	**Land Pollution**	(a)	**Soil Testing** Soil testing of some large scale industry has been done and is being carried out every month. Soil testing in all 6 industrial clusters of Noida is proposed to be done for different metals like Pb, Cr, Cu, Fe etc. twice a year through recognise laboratory.	UPPCB	01 Year	It is being planned to out source the soil testing activity to suitable agencies. Descision is to be taken in 06 Months.
		(b)	**Study of impact on Human Health of Water & Air Pollutants in Noida & Greater Noida.**	IITR (Earlier ITRC) / Any other designated Agency	December 2011	The modalities are to be discussed with CPCB in order to assess past experiences and agencies expert in this field which can co-relate clinically the impact on human health.
		(c)	**Municipal solid waste Disposal** ➢ At present Municipal solid waste is disposed as landfill in low lying areas. Authority should develop proper MSW facility as per MSW Rules at Proper site. Quantification of MSW to be done by Noida & Greater Noida Authority.	Noida & Greater Noida Authority	December 2011	Site for development of MSW disposal has been earmarked in Sector 123, Noida. Matter is pending in Hon'ble NGT Court. As per decision taken during last presentation, as EOI/TOR had been invited for EIA Consultant & shall be appointed by 14th August, 14. By March, 2015 EC shall be obtained and WTE (Waste to

						Energy) Plant shall be established by March, 2017. For the site in Sector-123, Noida earmarked earlier, the matter is pending before Hon'ble NGT Court.
			➢ Site selection for MSW disposal to be done by Noida & Greater Noida Authority.	Noida & Greater Noida Authority	March 2011	Site for development of MSW disposal has been earmarked in Sector 123. Matter is pending in Hon'ble NGT Court. Like wise, site has been identified in Astauli area of Greater Noida
			➢ Strategy for implementation / setting up of integrated facility for MSW to be decided in consultation with local civic authority and implemetaion to be done in time bound manner.	Noida & Greater Noida Authority	December 2011	Site for development of MSW disposal has been earmarked in Sector 123. Matter is pending in Hon'ble NGT Court. Like wise, site has been identified in Astauli area of Greater Noida
			➢ Upcoming High Rise Buildings, Commercial Project, Educational Institution, Multi Plexes, Town ship & Building Projects are major source of Municipal Solid Waste	Project proponent to give compliance report to UPPCB.	Every 3 months	Being done by project proponent either in house or through authority.
			➢ Such projects must ensure setting up of in house MSW disposal facilities as per MSW Rules & ensure compliance of the conditions of the Environment Clearance and NOC from PCB			Being done by project proponent either in house or through authority.