

Material for Year Book 2005-2006

ENVIRONMENTAL ASSESSMENT

1. Environmental Impact Assessment (EIA) Reports received

Pak-EPA received two Environmental Impact Assessment reports (EIA) for review. After the review process, conditional environmental approval was accorded to the proponents of the projects. These EIA reports are under process. The projects are as under:

S.No	Name of Project	EIA receiving date	Status
1	Construction of ESSEM Intercontinental Hotel Islamabad	2 nd March, 2006	NOC issued
2	Construction of Landfill site in Kuri Village	25 th April, 2006	Under process

2. Initial Environmental Examination (IEE) Reports received

Pak-EPA received two Initial Environmental Examination (IEE) Reports for review. After completion of the review process, conditional environmental approval was accorded to the proponents of the projects. While accepting the conditionalities mentioned in environmental approval document, the proponents of the project have submitted undertaking to this Agency. The projects are as under:

S.No	Name of Project	IEE receiving date	Status
1	Housing scheme (Multi Garden) B-17/extended area, ICT Zone	9 th June, 2006	Under Process
2	Parliamentarian Enclaves Zone V, Islamabad (Housing Scheme)	1 st June, 2006	Under Process

3. PC-I / PC-II of Development Projects received for Comments

357 PC-Is/PC-IIs of the development projects were received from Planning & Development Department (P & DD) through Ministry of Environment for comments from EIA/ environmental point of view. After examination the projects were recommended for IEE/EIA study and approval from concerned provincial / Federal Environmental Protection Agencies (EPAs). P& DD was also requested to ensure and forward the comments of this Agency to the proponents of the projects for compliance.

4. Application for NOC Received from District Magistrate, ICT Islamabad

109 applications from the office of District Magistrate, Islamabad were received for NOC to install of CNG stations/Petrol Pumps within Islamabad Capital Territory. After examination NOCs in 104 cases were issued.

5. Monitoring Activities

a. Monitoring survey of the following areas were conducted during the period under report.

- i. Field Survey of Bahara Khau & Simly Dam road
- ii. Visit of Capital View Hotel Pirsohawa
- iii. Visit of Brik Klins tarlai Kalan and Lehtrar road
- iv. Visit of Rawal Lake Violators
- v. Visit of Damn-e-Koh Construction of car parking & a mosque.
- vi. Visit of Poultry feed plants located at Kahuta Triangle and Rawat industrial Estate Islamabad.
- vii. Visit of stone crushers in M.H.N.P near Taxila bypass.
- viii. Visit of Korung housing society dumping site. (Complaint DD Labs)
- ix. Visit report of encroachment in Bahara Kahu near M.P. check
- x. Visit to Bahera Bridge Korung river, contamination through animals intestine & dead birds (Complaint)
- xi. Visit to I.J feed mills Rawat.
- xii. Site visit of Telenor Tower F-11/4, Islamabad complaint by locals of the area.
- xiii. Visit on complaint by locals (Encroachment by Senator Shahid Latif, Bahra Kahu)
- xiv. Visit of Khan Pur dam (Contamination of dam/lake through solid /liquid wastes.
- xv. Visit to dumping site of Cantonment Board Bhata Qilla
- xvi. Extension of Serena Hotel Islamabad

b. Monitoring of housing societies/ colonies located in and around Islamabad

20 housing societies in and around Islamabad were monitored and advised to obtain environmental approval before execution of the project. Legal action was initiated against the defaulters.

6. Project Activities

i) PEP-Pak-EPA, Component

Major activities include:

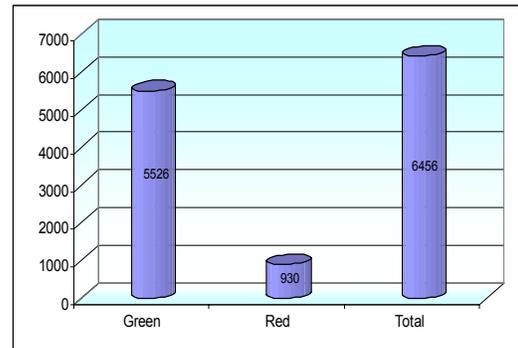
a. Vehicular Emission Testing Activity

The Pak-EPA, PEP Component launched a well planned campaign against smoke emitting vehicles in Islamabad in collaboration with Islamabad Traffic Police. The monitoring team monitored the vehicular emission both for public and private sectors at different points. In the first phase of VETS activity from July, 2005 to September 2005, vehicles belonging to 24 different Government Departments and Educational institutions were examined and the need for adopting corrective measures, wherever required, was emphasized. The 2nd Phase of VETS activity has commenced from June, 2006. In this phase, the VETS monitoring team will check the vehicles of

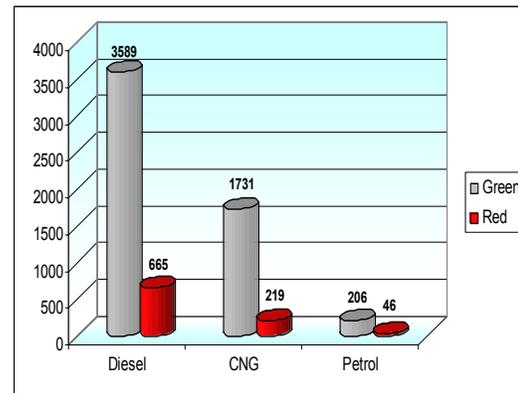
35 different Government departments and educational institutions. During the period under review 6456 vehicles were checked which included private, government, Semi Government and commercial vehicles, as reflected in the tables/diagrams given below:-

Vehicular Emission Testing Data
July, 2005 to June 2006

Green/ Compliance	Red/Non Compliance	Total Checked Vehicles
5526	930	6456



S.No	Fuel Type	Green/ Compliance	Red/Non Compliance	Total checked Vehicles
1	Diesel	3589	665	4254
2	CNG	1731	219	1950
3	Petrol	206	46	252
Grand Total		5526	930	6456



b. Studies planned executed and reports published by PEP Component

1. Measurement of Ambient Concentration of NO₂ in Karachi using diffusion samplers. (JICA/PEP/Pak-EPA Study).

Pak-EPA with the assistance of JICA, carried out a study to determine concentration of NO₂ in Islamabad, Lahore, Karachi and Peshawar was carried out by the central laboratory with Diffusion Samplers. The purpose of this investigation was to observe the present status of the NO₂ in air and to assess the contamination due to vehicular emission. The area under investigation was surveyed and a number of diffusion samplers were placed at different locations in the cities. The diffusers have been analyzed and results were compiled

2. Water Quality Survey of Drinking Water Filtration Plants Which Installed in Islamabad and Rawalpindi

Pak- EPA planned to monitor the drinking water quality of the already installed water filtration plants in Islamabad Rawalpindi to find out the level of contamination and suggest mitigation measures. The number of Filtration Plant which installed in Islamabad and Rawalpindi was 32 out

of which 17 Filtration Plant was effected while the remaining was positive. The final report was completed and submitted in January, 2006.

3. Water and Air Quality Survey of Quetta City

Pakistan Environmental Protection Agency with the financial assistances from PEP-Component along with JICA expertise carried out the investigation of Air and Water Quality in Quetta. Main objective of study was to determine the concentration of NO₂ in air and to check the quality of drinking water through parameters

4. Noise Survey Study at Different Spot in Islamabad and Rawalpindi held from 2 May, 2006 to 10 May, 2006

The Noise Study was conducted at different spots in Islamabad and Rawalpindi. It was eight days study. Each day the team performed study at different locations. The eight locations were Federal Govt. College for Women G-10/4, Islamabad, Raja Bazar, Aabpara Chowk, Pir Wadhai, Saddar road Rawalpindi, Misriyan road Rawalpindi, and Blue Area Khayaban-e-Sirsayed Islamabad.

In these locations the team conducted noise study from early morning 5:00 AM to late evening 10:00 PM. In the whole day the team checked the Noise (min and max) of heavy traffic vehicles every after 5 minutes interval of time. Beside these, the team counted the total number of vehicles (CNG/Petrol and Diesel) flowing on both sides of roads after every 30 minutes and the team also checked metrological parameters in the whole day.

c. Training Programs/Workshops Organized

Following training workshops organized by Pak-EPA:-

- Five days Training Programme under Male' Declaration on Control and Prevention of Air Pollution and its Transboundary Effects for South Asia on 6th December, 2005 at Pak-EPA Green Library.
- Three days Training Workshop on Environmental Impact assessment for capacity Building for EIA Review held from 7th- 9th March, 2006 at Margalla Hotel, Islamabad
- Two days Training Workshop on Self monitoring and Reporting Tool (SMART) Software to Provincial EPAs on 13th June, 2006

New Projects

i) National Biosafety Center (NBC)

National Biosafety centre has been established under Pak-EPA and staffs have been recruited. It will serve as the secretariat of the National Biosafety Committee. The National Biosafety Centre will provide the requisite set-up for the implementation of the Biosafety Rules, 2005 and Biosafety

Guidelines, 2005. The overall objectives of the centre would be to provide safeguard against undesirable effects of the Genetically Modified Organisms (GMOs).

ii) Environmental Monitoring System (EMS)

The original version of the project estimated to cost Rs. 1089.10 million including an FEC of Rs. 1000.00 million. The ECNEC considered the summary dated 27th October 2004 submitted by the Planning and Development Division and approved the project at a total cost of Rs. 1098.242 million including foreign exchange component of Rs. 973.0 million. The project envisages:

- i) Provision of continuous air monitoring stations and mobile laboratories in five cities (Karachi, Lahore, Peshawar, Quetta and Islamabad)
- ii) Provision of continuous water monitoring stations and mobile laboratories in six cities (Karachi, Lahore, Peshawar, Quetta, Rawalpindi and Islamabad).
- iii) Up-gradation of analytical laboratories in five EPAs
- iv) Establishment of air and water surveillance
- v) Provision of necessary project staff
- vi) Training

The details of fixed and mobile air and water units and laboratory equipment are as under:

Item	PAK	SND	PJB	NWFP	BAL	Total
Fixed Air Monitoring Station	1	2	2	1	1	7
	1	1	1	-	-	3
Industrial Air Monitoring Equipment	1	1	1	1	1	5
Water Monitoring Equipment	1	1	1	1	1	5
Laboratory Equipment	1	1	1	1	1	5
Environmental Monitoring Centre	1	-	-	-	-	1

Rem: PAK= Pak-EPA, SND=Sindh EPA, PJB=Punjab EPD,
NWFP=NWFP EPA, BAL=Balochistan EPA

The tendering process is complete and the implement process is progressing to meet the deadlines set under Exchange of Notes i.e March 2007.

Guidelines published

- i. National Biosafety Guidelines
- ii. Guidelines for Solid Waste Management

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PAKISTAN ENVIRONMENTAL PROTECTION AGENCY
311, MAIN MARGALLA ROAD, F-11/3, ISLAMABAD

No. 1(1)/2006-Dir (EIA)

Islamabad, 12th July, 2006.

Subject: **PREPARATION OF YEAR BOOK FOR THE YEAR, 2005-06**

Please refer to Ministry's letter No. 1(42)/2004-Admn, dated 28th June, 2006 on the subject cited above.

2. Please find enclosed the requisite material for further necessary action.

Encl: As above.

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