

**DELHI INTERNATIONAL AIRPORT (P) LTD.**  
**IGI AIRPORT, NEW DELHI-110037**

**MINUTES OF THE AEMC MEETING HELD ON THE 11<sup>th</sup> OF MARCH 2008**  
**AT 1600 HOURS IN CRISIS MANAGEMENT CENTRE, TR. 1B, IGI AIRPORT, NEW DELHI**

Airfield Environment Management Committee meeting was convened on the 11<sup>th</sup> of March 2008 at 1600 hours in the Crisis Management Centre Conference Hall, Terminal 1B, IGI Airport, New Delhi.

Mr. B N Singh, AVP (OPS)-DIAL welcomed the Chairperson Mr. J K Dadoo, Secretary (Environment), Government NCT of Delhi. In the absence of the Chief Operating Officer, DIAL, IGIA, Mr. B N Singh convened the meeting commencing with a brief introduction. Dr S M Satheesan, Expert Ornithologist (DIAL-Ops), Air Side Management gave an elaborate PowerPoint Presentation on the importance of AEMC meeting, environment-related issues inside airport, how birds and animals come in the way of aircraft causing incidents and accidents, details of bird and animal species involved in strike with aircraft, bird affected problem areas in the buffer zone of airport and how various agencies participating in the meeting can help DIAL to solve their environmental issues, especially outside airport. He also appreciated the work carried out by various agencies, in particular the police force & MCD, in doing away with weekly markets in most of the places in Dwarka engaged in sale of meat, poultry, and fish. This measure has positive result in reducing bird strike rate at IGI airport.

While reviewing the bird activity around airport, Dr Satheesan highlighted the pending agenda points for discussion in the forum such as poor animal garbage disposal in Dwarka and R K Puram (Indira market), water stagnation around airport, piggery in Mehram Nagar and Mahipalpur, presence of dogs, jackals, and other animals on air side, and hazardous waste management. Also new agenda points such as make shift fish and poultry stalls in Delhi Cantonment area, animal waste dumped from Dabri mod market, bird concentration over Sadar Bazar, and bird hazardover Ghazipur. While describing about bird and animal activity inside the airport, Dr Satheesan spoke about confirmed and suspected incidents and accidents that occurred inside and outside airport during day and night, and the species involved in them. **He also showed how bird strike rate at IGIA had come down from 2.09 in 2005 to 0.88 in 2007.** He also showed the various measures adopted by DIAL to curb bird and animal menace to aircraft flight safety. He explained how large standing water formations in the buffer zone of airport can attract huge birds such as storks, cranes and flamingoes with reference to the multiple flamingo-hit that grounded a Spicejet aircraft on the night of August 30<sup>th</sup> 2007.

**Pending issues from the minutes of the previous meeting were discussed as given below:**

**A. Poor Garbage Disposal around Dwarka and Indira Market, R K Puram**

Dr Satheesan pointed out that animal garbage and slaughter waste is continued to be dumped in drains, which is attracting a large number of kites to the areas in the approach funnel/take off path of aircraft flying into and out of IGI airport. When asked by the Chairperson, the concerned MCD officials appeared ignorant of the problem and hence they were asked to investigate the matter and remedy the problems at the earliest.

**Action: MCD**

**B. Water Stagnation around IGI Airport**

Dr Satheesan explained how waste water from Mahipalpur and Rangpuri made a perennial pond near ARC Hangar and south of Rwy 28 even in summer attracting problem of birds. Standing water in Dwarka, Pochanpur, Bagdola, and Shankar Vihar (near Mahipalpur) also are irresistible attractions to birds & hazardous to aircraft. Wastewater from Pochanpur village and Dwarka has to be looked after by DDA, Sanitation Deptt. and DJB.

DDA officials shall make a visit in the water stagnation area of Dwarka, sector 20, 22 and Bagdola and submit an action taken report by April 2008.

For water stagnation very close to boundary wall of IGIA, Chairperson told the sanitation department to look into the matter, & complete it in **two more months to contain the problem**. Representative of DJB told that it will take two years to lay down the sewer lines in Mahipalpur and other areas such as Rangpuri, Smal Khan, Rajaukri and Kapasheda. For Shankar Vihar, the Cantonment Board official said that the DJB will be constructing a sewer to take away the water, but the Secretary advised that they should go for a mini STP instead.

The army official said that the land belongs to army and that land has been given to DDA for construction of drainage system. Chairperson advised Army representative to ensure removal of water logging in 2 months.

**Action: Sanitation Deptt, MCD, DDA, DJB, & Cantonment Board**

**C. Piggery in Mehram Nagar and Mahipalpur**

In response to Dr Satheesan's explanation that kites and other scavenging birds are attracted to pig slaughter waste, the Chairperson advised Delhi Cantonment Board/MCD to remove the piggeries at the earliest as they are adjoining the airport wall in Mehram Nagar and also quite close to airport in Mahipalpur.

**Action: Delhi Cantonment Board/ MCD**

**D. Illegal Meat Shops in Indira Market, R K Puram**

**It has been reported that 60 nos. of illegal meat/poultry shops are operating in the area. Chairperson advised Delhi Police to close down the illegal meat/poultry shops in the area immediately to prevent bird menace & likely bird hits to the aircraft.**

**E. Jackals, Dogs, and other animals on Air Side**

Eighty Seven Blue Bulls (*Nil Gais*), six jackals, and 130 feral dogs were trapped and relocated from IGI Airport since last 15 months. Many more animals including dogs, jackals and porcupines causing problem on air side will be removed this year with the help of an NGO, Wildlife SOS contracted for this purpose.

**Action: ASM/Wildlife SOS**

**F. Hazardous Waste Management**

Chairman discussed the DIAL application for authorization under Rules for handling and management of Hazardous Waste.

Regarding Hazardous Waste Management (Used Oil from engine from Motor Vehicles), the Chairperson was informed that the hazardous waste authorization has been applied for by DIAL- Queries raised by Dr. Chandra Prakash, Sr. Env. Engg., DPCC regarding ETP Sludge and tank Bottom Sludge were answered. DIAL is not generating any chemical sludge from ETP & Tank Bottom Sludge of oil. Position regarding applying for H.W. Authorization separately by different Airline operators/ Ground Handling agents was clarified and it was agreed that DPCC will take a decision on this matter after necessary discussions with DIAL soon.

**Action: DPCC**

**New issues identified were discussed as follows:**

**A. Make Shift Fish and Poultry Stalls in Cantonment area**

Dr Satheesan explained how make shift stalls selling fish and poultry were flourishing in cantonment area especially on Sundays which were inspected by Air Side officers. The Chairperson advised the Cantonment official and Police to take action against law-breakers.

**Action: Delhi Cantonment Board/MCD**

**B. Animal Waste from Dabri Mod Market**

Dr Satheesan had shown how poultry dressing waste and other animal waste from Dabri Mod market were dumped in Pankha road drain, attracting a large number of kites creating a serious threat to aircraft flight safety. The Chairperson advised MCD to look into the matter and do the needful to reduce scavenging bird population.

**Action: MCD**

### **C. Bird Concentration over Sadar Bazaar**

Dr Satheesan explained how a large population (not less than 10,000 individuals) of Pariah Kites thrived on the large animal slaughter- and poultry dressing-waste from Idgah Slaughter House and shops in Sadar Bazar. This population will act as a buffer stock replenishing population of kites present in and around airport, especially when an ecological vacuum is created by the death of a few birds. To Chairperson's question, MCD will finish the work of constructing an abattoir for NCT of Delhi, and shifting of Sadar Bazar Slaughterhouse to Ghazipur, MCD replied that it would be completed by Oct-Dec 2008 (as per hon'ble Court order). MCD will make a presentation on new Gazipur abattoir in respect of waste management in the next AEMC meeting.

**Action: MCD**

### **D. Bird Hazard over Ghazipur**

Dr Satheesan opined that mountains of animal garbage dumped attracts multitudes of pariah kites and their population is now growing that constructing an airport at Noida will be difficult in the present scenario. A population of over a lakh of kites in the area makes it an *Ornithopolis*, a kingdom for these birds. The threat levels to aircraft flight safety at IGI airport due to these kite population, especially in the rainy season (July to September), is rated very high and hence removing this threat should be given high priority. Chairperson told the forum that once the abattoir is instituted there should be some mechanism there to treat the slaughter-waste and blood also, even though the MCD official appeared ignorant of this fact. The Chairperson introduced Mr. Asit Neema, Foundation for Greentech Environmental Systems, New Delhi, to the forum saying that he will be able to sensitize the people. Mr. B N Singh approving this idea in principle expressed his interest of using outside agencies for creating awareness among the masses to reduce bird hazards to aviation.

**Action: MCD /NGOs/DIAL**

The Chairman in his concluding remarks appreciated the hard work carried out by all agencies and solicited their continuous co-operation and efforts to solve environment-related problems at the airport to ensure incident- and accident-free and smooth aircraft operations.

The meeting ended with vote of thanks to the Chair.

(BN Singh)  
Associated Vice president (OPS)-DIAL  
For the Chief Operating Officer-DIAL  
Convener