AIRPORT PASSENGER PROFILING SURVEY 2020 AT NSCBI AIRPORT (KOLKATA)
FOR KAJI NAZRUL ISLAM AIRPORT (DURGAPUR)

Date : 16/03/2020

During the 7 days of round-the-clock passenger profiling survey, a total of 5250 respondents were interviewed, which includes an equal number, ie 2625 each, respondents in arrival & departure. After adjusting for errors, the final sample size obtained was 4,999.

On the basics of analysis during profiling of passenger, it is observed that 216 respondents were from the specific catchment area (Durgapur, Andal, Burdwan, Birbhum, Bankura, Asansol, Raniganj, Dhanbad, Purulia, Murshidabad, Malda & Krishnanagar and their suburbs), which is of commercial importance to KNIA.

We have been able to gauge that this data is statistically significant. This is based on the fact that the overall sample was around 5003, which can amply reflect a total passenger strength set of roughly 20,000,000 (which was the only domestic passenger traffic for Kolkata Airport last calendar year). Also, the hypothesis was that the subset of the sample relevant to us would be below 5% of the overall respondent coverage and which is now proven to be true (it is approximately 4.32%). For such a number, a positive sample of around 100 would have sufficed to achieve statistical confidence of 95%, with a deviation of 5%, whereas a sample size of 216 has been achieved.

As the outbreak of COVID-19 had an impact of 30% drop down of the overall passenger traffic during the survey period and the survey had to be carried out under various constraints, it is also recommended that a follow-up survey be undertaken in order to obtain deeper data points, with more sophisticated information. This can be done as soon as NSCBI Airport reopens and reaches stable state of operations, with revival in passenger volume throughput.

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