

FORM – ‘A’
Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities

PART - I

1 Project Details

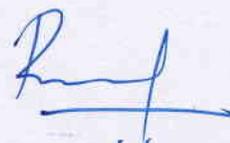
Sr. No.	Details Require	Details															
i.	Short narrative of the proposal and Project/scheme for which the forest land is required	<p>Development of Greenfield International Airport at Mopa, Goa</p> <p>The Government of Goa has undertaken the development of a new Greenfield Airport for Goa, near the Village of Mopa. The Village of Mopa is located in North Goa near the Maharashtra border, approximately 35 kilometers north of the Panaji, the Goa State Capital. The new Greenfield Airport at Mopa will be an International Airport serving both the tourism and business markets and keeping pace with the growing air travel segment in India. The project will be implemented in four phases as given in the table</p> <table border="1" data-bbox="672 972 1304 1157"> <thead> <tr> <th>Phase</th> <th>Design Year</th> <th>Annual Passengers</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>2020</td> <td>4.4 Million</td> </tr> <tr> <td>II</td> <td>2025</td> <td>5.8 Million</td> </tr> <tr> <td>III</td> <td>2035</td> <td>9.4 Million</td> </tr> <tr> <td>IV</td> <td>2045</td> <td>13.1 Million</td> </tr> </tbody> </table> <p>The components in Phase I of proposed Mopa Airport shall include one runway, with half parallel taxiway, three runway exits and in Phase II includes one runway, with full parallel taxiway, seven runway exits including four rapid exits. The other facilities includes Terminal building, Security area and control points, GSE storage, parking, technical area, cargo, maintenance, general and business aviation areas, road network, rail connectivity and airport city.</p> <p>The airfield consists of one single runway with a takeoff available distance of 3,750 meters and 60 meters of runway width to accommodate the super-jumbo A380 aircraft. The runway will be equipped with both elevated and inset lights for at-all-time operations consisting of a CAT I approach system as advised by AAI. AAI will be responsible for installing and maintain the Instrument Landing System when the International Airport is operational. The Airport Operators (Developers) will be responsible for keeping the lighting and safety of the equipment. For providing the CAT I approach lighting for Runway 27, forest land of approximately 0.1133 Hectare (1133 sq.m) is required.</p>	Phase	Design Year	Annual Passengers	I	2020	4.4 Million	II	2025	5.8 Million	III	2035	9.4 Million	IV	2045	13.1 Million
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ii.	Map showing the required forest land, boundary of adjoining forest on a 1:50,000	Attached															



Sr. No.	Details Require	Details
	scale map	
iii.	Cost of the Project	Total Estimated Project Cost: RS. 30,000 Lacs Total Estimated Project Cost for Phase I : Rs. 15,000 Lacs
iv.	Justification of locating the Project in Forest Area	<p>The proposed Greenfield airport project at Mopa, North Goa is planned over approximately 902 hectare of land. The Runway for the proposed Airport has been planned to accommodate ICAO Code 4F aircraft (such as the A380), and hence the length of the runway shall be 3,750 m. Considering the shape and topography of the site for the proposed airport, runway is planned to be located on northern side of the site with 095° northeast – 275° southwest orientations (9/27 alignment)</p> <p>The Annex 14 Vol. I published by International Civil Aviation Organisation (ICAO) recommends provision of runway center line lights on a precision approach Cat I, particularly when the runway is used by aircraft with high landing speeds or where the width of runway edge lights is more than 50m. Further for Cat I precision approach system, the approach lighting system for the runway shall consist of a row of lights on the extended centre line of the runway, extending over a distance of 900m from the runway threshold. Based on these mandatory requirements the, the approach lights have been designed for Runway 27. However, as the land area at the end of the runway 27, excluding within the area already acquired for the project, is part of the forest land survey no. 19 of village Chandel of Pernam Taluka, the runway threshold has been proposed to be displaced to divert minimum of the forest land for providing the Approach Lights for the runway. Accordingly, minimum 0.1133 hectare land, identified on eastern side of the proposed site, is critical for provision of Cat I precision approach system for safe operations of the aircrafts.</p>
v.	Cost Benefit Analysis (to be enclosed)	Not Applicable
vi.	Employment likely to be generated	Phase I – Approximately 1,200 Numbers Phase IV – Approximately 4,000 Numbers

2 Purpose wise break up of the total land required

- a) Component - Runway 27 Approach Lighting
- b) Forest Land (In Hectares) - 0.1133 Hectare
- c) Non-Forest Land (In Hectares) - Nil



Director
Directorate of Civil Aviation
Secretariat, Bopri

3 Details of displacement of people due to the project, if any:

i.	Number of Families	15
ii.	Number of Scheduled Caste / Schedule Tribe families	0
iii.	Rehabilitation Plan (to be enclosed)	Enclosed

4 Whether clearance under Environment (Protection) Act, 1986 required (Yes / No) - Yes

EC Obtained vide letter No. F.No.10-29/2011-IA.III dated 28 October 2015

5 Undertaking to bear the cost of raising maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone etc. as per the scheme prepared by the State Government (undertaking to be enclosed: Undertaking Enclosed)

6 Details of certification / documents enclosed as required under the instructions

1. Annexure A Item-wise breakup of land
2. Brief Note on Project
3. Rehabilitation Plan
4. Certificate – Compensatory Afforestation
5. Certificate – Not affecting historic monuments
6. Certificate – No violation of FC Act
7. Certificate – Net Present Value
8. Certificate – Demand for Land minimum
9. Cost Benefit Analysis
10. Details of Non Forest Land
11. For & XIV of affected land
12. Contour Map
13. NOC from CRZ Authority
14. Village Panchayat Resolution



Signature

SURESH SHANBHOGUE
DIRECTOR CIVIL AVIATION
Address (User Agency)

Director
Directorate of Civil Aviation
Secretariat, Porvorim
Goa-403521

Date: 3-2-2016
Place: Porvorim

State serial No. of Proposal _____
(To be filled by the Nodal Officer with date of receipt)