

GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
LOK SABHA  
UNSTARRED QUESTION NO. : 3216  
(To be answered on the 3<sup>rd</sup> August 2017)

MODERNISATION/UPGRADATION OF AIRPORTS

3216. SHRI PR. SENTHIL NATHAN  
PROF SADHU SINGH  
PROF PREM SINGH CHANDUMAJRA  
DR. VIRENDRA KUMAR  
SHRI KAMLESH PASWAN  
SHRI HARIOM SINGH RATHORE  
SHRI D.K. SURESH  
SHRI ASHWINI KUMAR  
SHRI R. GOPALAKRISHNAN

Will the Minister of CIVIL AVIATION

नागर विमानतल मंत्री

be pleased to state:-

- (a) the details of construction/modernisation/upgradation work of airports undertaken by the Government during the last three years and the current year, State/UT and year-wise;
- (b) the details of various proposals received from States/UTs for construction/modernisation of airports and sanctioned during the above period, State/UT and yearwise;
- (c) the funds allocated, released and spent on above projects during the said period, State/UT and year-wise;
- (d) the estimated funds likely to be spent on construction/modernisation of airports during the next financial year;
- (e) the status of completion of work on various airport projects; and
- (f) the measures taken by the Government to expedite the work?

ANSWER

Minister of State in the Ministry of CIVIL AVIATION

नागर विमानतल मंत्रालय में राज्य मंत्री

(Shri Jayant Sinha)

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- (a): The details of construction/modernisation/upgradation work of airports undertaken by Airports Authority of India (AAI) during the last three years and the current year, State/UT and year-wise are at Annexure-I
- (b): The details of various proposals received from States/UTs for construction and modernisation of airports and sanctioned in last three years are at Annexure-II and Annexure-III respectively.
- (c) & (d): The funds allocated, released and spent on above projects during the said period and the estimated funds likely to be spent on construction/modernisation of airports during the next financial year, State/UT and year-wise are at Annexure-IV.
- (e) & (f): Modernisation and upgradation work at airports is a continuous process which is undertaken by the concerned airport operator from time to time depending upon the availability of land, grant of mandatory clearances, demand from airlines, passenger traffic forecast, technical feasibility, commercial viability, etc. AAI follows the measures such as close liaising with the authorities concerned and close monitoring through weekly review status for speedy completion of the work at airports.

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RESEARCH REPORT NO. 1000

DATE: 10/15/68

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RECEIVED: 10/15/68

10/15/68

The following is a summary of the results of the experiments described in this report. The experiments were carried out in the laboratory of Organic Chemistry, Department of Chemistry, University of Chicago, Chicago, Illinois, U.S.A.

The first part of the report describes the synthesis of the compound X, which was carried out in the laboratory of Organic Chemistry, Department of Chemistry, University of Chicago, Chicago, Illinois, U.S.A.

The second part of the report describes the synthesis of the compound Y, which was carried out in the laboratory of Organic Chemistry, Department of Chemistry, University of Chicago, Chicago, Illinois, U.S.A.

The third part of the report describes the synthesis of the compound Z, which was carried out in the laboratory of Organic Chemistry, Department of Chemistry, University of Chicago, Chicago, Illinois, U.S.A.

The fourth part of the report describes the synthesis of the compound W, which was carried out in the laboratory of Organic Chemistry, Department of Chemistry, University of Chicago, Chicago, Illinois, U.S.A.

The fifth part of the report describes the synthesis of the compound V, which was carried out in the laboratory of Organic Chemistry, Department of Chemistry, University of Chicago, Chicago, Illinois, U.S.A.

**UPGRADATION / MODERNIZATION OF AIRPORT PROJECTS UNDERTAKEN / COMPLETED DURING  
LAST THREE YEARS AND CURRENT YEAR (2014-15 TO 2016-17 AND 2017-18)**

Region	State	Airport	Name of Works	Commencement Year
ER	West Bengal	Kolkata	Resurfacing of main runway	2015-16
			Construction of Isolation Bay.	2015-16
	Odisha	Jharsuguda	Development of Jharsuguda Airport for A-320 Aircraft	2014-15
		Bhubaneswar	Construction of ATC Tower and technical block, fire station and E & M work shop.	2017-18
	Andman & Nicobar	Portblair	Construction of New Integrated Terminal Building. (Balance Work)	2016-17
			Extension of runway at 24 beginning, Expansion of Apron suitable for C- Category Aircraft.	2016-17
	Chattisgarh	Raipur	Cosntruction of technical block cum technical tower, new fire station (Cat - VIII), sub-station.	2017-18
			Resurfacing of runway	2015-16
	Bihar	Gaya	Construction of new technical block cum control tower.	2017-18
			Cosntruction of technical block cum control tower.	2012-13
	Jharkhand	Ranchi	Expansion of existing apron for additional bays for 3 nos. A 321 - 200 aircrafts	2016-17
			Construction of New Integrated Terminal Building	
				Extension of runway, C/o isolation bay, link taxi track and associated works-SH: Shifting of external services like water supply line, electric cables etc.
NER	Assam	Dibrugarh	Construction of 03 Nos. hangars.	2011-12
		Guwahati	Construction of Integrated office complex for AAI & DGCA/BCAS office	2013-14
			Control Tower cum Technical Block and Fire station	2015-16
	Meghalya	Barapani	Construcion of new demestic terminal building , apron , taxitrack. SH: Construction of apron , taxi track	2016-17
	Tripura	Agartala	Construction of new integrated terminal building and associated works.	2017-18

Region	State	Airport	Name of Works	Commencement Year
			Construction of new isolation bay and associated link taxi track.	2017-18
	Arunachal Pradesh	Tezu	Expansion of apron by 175x130m along with link taxiway to accommodate 3nos AB-321,1 no AB-320 & 3nos ATR-72 class aircrafts.(Total 7 parking stand)	2008-09
	Manipur	Imphal	Construction of Greenfield Airport	2009-10
	Sikkim	Pakyong	Development of Kishangarh Airport	2013-14
NR	Rajasthan	Kishangarh	Construction of Terminal Building	2014-15
			Upgradation of Bikaner Airport with New Civil Enclave, Civil Apron, Car parking, link Taxiway ect.	
		Bikaner	Construction of parallel taxi track from tango taxi to nallah	2016-17
		Jaipur	Extension and Strengthening of Runway	2013-14
			Construction of New apron and link taxi.	2016-17
		Jodhpur	Construction of drain and grading of basic strips.	2016-17
	Udaipur	Construction of New Terminal Building	2007-08	
	Madhya Pradesh	Khajuraho	Construction of new passenger terminal building	2015-16
	Uttar Pradesh	Gorakhpur	Construction of National Aviation University at IGRUA	2013-14
		Fursatganj	Recarpetting of runway, widening of turning pad 27 and widening of fillet/shoulder of taxi A,B & D.	2016-17
		Varanasi	Resurfacing of runway and upgradation to CAT-III B.	2017-18
		Lucknow	Extension of existing Apron	2013-14
	Uttarakhand	Dehradun	Expansion and modification of Terminal Building.	2013-14
	J&K	Jammu	Strengthening of runway 16-34	2015-16
	Punjab	Amritsar	Construction of New Integrated Terminal Building	2012-13
Chandigarh		Resurfacing of Runway and Taxiway	2015-16	
	Himachal Pradesh	Shimla	Extension of west side finger (A/A & E/S = 35.85)	2014-15
WR	Goa	Goa	Construction of New Integrated Terminal building	2010-11
			Expansion of apron on Eastern, Northern and Western side (A/A & E/S = 8.120)	2012-13
			Construction of parellel taxi track	2017-18

Region	State	Airport	Name of Works	Commencement Year
			Recarpetting/Strengthening and extention of runway 04/22	2015-16
	Gujarat	Surat	Strengthening of runway & apron taxiway	2013-14
		Kandla	Resurfacing of Runway 05/23 & Taxiways	2015-16
		Ahmedabad	Resurfacing of runway along with shoulders.	2017-18
		Rajkot	Construction of new expendable modular integrated terminal building	2011-12
		Vadodara	Resurfacing of Runway 04 - 22 and Shoulders, Improvement of Basic Strip and Drain.	2014-15
			Expension of existing Terminal Building	2016-17
	Maharashtra	Pune	Recarpetting of runay.	2017-18
		Aurangabad	Recarpetting of runway 14 x 32 and level correction for basic strip	2013-14
		Nagpur	Recarpetting of runway and taxi way including profile correction of runway.	2016-17
	Madhya Pradesh	Bhopal	Resurfacing of runway and taxiway	2015-16
		Indore	Resurfacing of flexible portion of runway and taxiway	2015-16
		Jabalpur	Development of Hubli Airport including New Terminal Building, Extension and strengthening of runway, construction of taxiway, apron, isolation bay and other ancillary works.	2014-15
SR	Karnataka	Hubballi	Development of Belgaum Airport including New Terminal Building, , Extension and Strengthening of runway, construction of taxiway, apron, Isolation bay and other ancillary works.	2013-14
		Belagavi	C/o Part parallel taxi track for new runway 06/24 at both sides, provision of RESA of 240m x 90m for 06 Runway at Mangalore Airport.	2014-15
		Mangalore	Construction of Link Parallel Taxi track (Ph-II) and Grading of basic strips at South side.	2016-17
			Construction of new international arrival block, internal modification of existing international passengers terminal Building and associated	2013-14
	Kerala	Calicut	Re-surfacing and strengthening of Runway	2015-16
			Expansion of Apron & Associated work	2012-13
			Recarpetting/Strengthening of runway and taxiway	2015-16

Region	State	Airport	Name of Works	Commencement Year	
		Trivendrum	Extension of parallel taxi track "P" and construction of link taxiway to connect runway 14/32 and isolation way	2015-16	
			Extension of arrival side corridor with rotunda at NITB	2015-16	
			Standardisation of turning pad- widening of existing turning pad at both side of runway 14-32	2013-14	
			Construction of additional parking bays.	2016-17	
	Tamilnadu	Coimbatore	Construction of Multi-storied CISF Barrack including Electrical conduiting at Palavanthangal near Chennai Airport, Chennai	2013-14	
			Chennai	Resurfacing of existing runway, taxiway and strengthening of apron.	2015-16
			Tuticorin	Development of Airport SH: New Terminal Building	2010-11
	Andhra Pradesh	Cuddapah	Extension of Apron in front of New Terminal Building including Electrical Works	2015-16	
			Rajamundry	Extension of Runway and strengthening / resurfacing of existing runway 05/23 along with	2016-17
		Vijaywada	Construction of terminal building, ceremonial lounge and associated work	2015-16	
			Extension of Apron for additional 10 parking bays	2015-16	
			Extension and strengthening of existing runway 08-26 for code E type aircraft along with construction of isolation bay, RESA and associated works.	2016-17	
		Visakhapatnam	Extension of apron for additional 06nos parking bays	2015-16	
Isolation bay, Apron bays with taxiway and associated works			2015-16		
Tirupati		Construction of new integrated terminal building including apron, link taxiway and associated works	2013-14		

## Annexure-II

The number of proposals accepted by Government year-wise for Greenfield Airport:

### 2015-16:-

**Gujarat:** Government of India granted 'in-principle' approval to Dholera International Airport Company Ltd (DIACL) for setting up of a Greenfield airport at the site near Navagam Village, Gujarat under 'public use' on 27.01.2016

**Rajasthan:** Site clearance has been granted for setting up of a Greenfield airport at Kotkasim Tehsil Bhiwadi, in Alwar District, Rajasthan on 18.11.2015.

### 2016-17:-

#### **Andhra Pradesh:**

1. In-principle approval has been granted for setting up of a Greenfield airport at Dagadarthi, Nellore Distt, Andhra Pradesh on 07.10.2016
2. In-principle approval has been granted for setting up of a Greenfield airport at Bhogapuram near Vishakhapatnam, Andhra Pradesh on 07.10.2016
3. In-principle approval has been granted for setting up of a Greenfield airport in Oravakallu in Kurnool Distt. Andhra Pradesh on 07.10.2016.

#### **Telangana:**

1. Site clearance has been granted for obtaining 'in-principle approval for greenfield airport in Kothagudem, Distt. Khammam in Telangana on 07.10.2016.

### 2017-18:-

1. Site clearance has been granted by MoCA for establishment of a Greenfield Airport at Hirashar in Rajkot, Gujarat on 30.05.2017
2. "Site clearance" has been granted for establishment of a Greenfield Airport at Jewar in Greater Noida to Govt. of Uttar Pradesh on 23.06.2017.

**Details of Airports/C.E. for which requests has been received from State Govt./U.T.  
formodernization/Up-gradation of airports during the last three years and current year,  
State/UT wise**

S.No	Name of State	No of Airports	Project work
1.	Andhra Pradesh	1. Tirupati	Construction of Integrated Terminal building
2	Bihar	2.Patna	Construction of new Terminal building
3	Chhatisgarh	3. Raigarh	Development of airport.
4.	Haryana	4.Hissar 5.Karnal	State Govt. decided to develop Hissar airport as Aviation Hub. Consultant appointed by State Govt. Expression of Interest invited by State Govt. AAI carried out feasibility study as per request of State Govt. and forwarded the comments to the State Govt. for further development of Hissar and Karnal.
5.	Himachal Pradesh	6. Kullu 7. Shimla	Extension of runway Re-carpeting & widening of Runway.
6.	Jammu & Kashmir	8.Jammu (CE) 9. Leh(CE)	Extension of Runway and further development of airport infrastructure. Construction of new Terminal Building.
7.	Jharkhand	10. Deoghar	Development of airport. MoU Signed between AAI and State Govt. for development of airport.
8.	Karnataka	11. Belgaum 12. Hubli	Extension and strengthening of runway, construction of taxiway, apron, isolation bay and other ancillary works, construction of New Terminal Building, Technical block cum Control Tower, Fire Station. Extension and Strengthening of runway, construction of taxiway, apron, Isolation bay and other ancillary works, Construction of New Terminal Building, Technical Block cum Control Tower & Fire station etc.
9.	Orissa	13 Jharsuguda	Terminal Building, pavement and boundary wall works.
10.	Punjab	14 Ludhiana 15. Adampur (CE)	Development of airport. Construction of New Civil Enclave.
11.	Rajasthan	16. Kishangarh 17. Jodhpur(CE)	Development of airport. Construction of parking bays
12.	Tamilnadu	18. Coimbatore 19. Tuticorin	Expansion and upgradation of airport with two parallel runways for simultaneous operation of aircrafts. Upgradation of airport for operation of A-320 type of aircrafts in phase-I and subsequently for B767 type of aircraft.
13.	Tripura	20. Agartala 21.Kailashar	Construction of New Integrated Terminal Building, Apron, Link Taxiway and other associated works and Hangar for A-321 type of aircraft. Development of Airport for ATR-72 type of aircraft.
14.	Union Territory	22.Agatti 23.Pudducherry	Development of airport. Work for extension of runway, apron & New Terminal Building for operation of ATR-72 operation.
15.	Uttar Pradesh	24.Gorakhpur (CE) 25. Kanpur (Chakeri) CE 26. Agra (CE) 27. Allahabad (CE) 28. Bareilly (CE) 29.Meerut 30.Moradabad	Construction of new Civil Enclave, Terminal building work. Construction of new Civil Enclave. Construction of new Civil Enclave. Construction of new Civil Enclave. Development of airport. Development of airport Development of airport
		31. Faizabad	Development of Airport

**Note: Development of Airports is subject to availability of land by the State Govt. free of cost and free from all encumbrances, traffic demand and budgetary support wherever applicable.**

**AIRPORTS AUTHORITY OF INDIA**  
**Abstract of Capital Expenditure from 2014-15 to 2017-18 (up to Jun-2017)**  
**Aerodrome works only**

Annexure-IV

(Rs. in crores)

Sl.No	STATE	AIRPORTS	BE	RE 2014-	Exp. 2014-	BE	RE 2015-	Exp. 2015-	BE	RE 2016-	Exp. 2016-	BE	Exp	BE
			2014-15	15	15	2015-16	16	16	2016-17	17	17	2017-18	18 30/6/17)	2017-18 30/6/17)
1	WEST BENGAL	KOLKATA	153.91	34.51	47.54	84.96	131.00	93.00	123.92	136.85	162.95	164.88	4.72	110.00
2	ODISHA	JHARSUGUDA	0.20	0.15	0.02	20.00	8.30	4.94	10.69	36.00	54.98	40.01	21.05	24.56
3		BHUBANESWAR	11.74	11.00	8.96	0.95	4.56	3.74	8.97	9.54	11.55	13.11	0.00	90.00
4	ANDAMAN & NICOBAR	PORTBLAIR	14.00	21.00	18.61	32.00	33.18	9.36	52.31	11.94	8.26	31.00	14.07	85.00
5		RAIPUR	26.77	11.23	11.06	10.80	6.19	5.57	19.52	19.25	9.48	28.51	12.37	40.07
6	BIHAR	GAYA	0.22	0.04	4.32	0.31	0.04	0.00	4.44	14.85	18.47	15.00	8.16	7.71
7	JHARKHAND	RANCHI	11.06	7.85	6.64	1.21	7.37	2.69	6.45	6.36	5.14	8.00	0.00	5.00
8	ASSAM	DIBRUGARH	2.22	1.00	1.01	26.90	1.04	6.25	7.20	14.04	8.75	30.21	0.21	42.00
9	MEGHALAYA	BARAPANI	3.08	0.61	0.00	1.41	2.29	2.95	8.24	3.54	4.03	25.93	0.04	19.74
10	TRIPURA	AGARTALA	17.70	0.20	0.21	1.27	0.25	0.00	5.25	6.97	12.07	49.41	3.13	128.00
11	ARUNACHAL PRADESH	TEZU	13.65	12.45	14.75	18.55	8.29	8.94	13.30	14.45	16.76	12.00	0.28	4.00
12	MANIPUR	IMPHAL	8.54	5.44	1.58	9.11	2.62	3.80	11.58	9.12	17.47	33.59	0.00	36.16
13	SIKKIM	PAKYONG (SIKKIM)	60.10	60.00	57.51	25.01	99.74	85.23	51.00	50.00	52.95	11.00	11.86	42.50
14		KISHANGARH(AJMER)	14.00	16.94	15.14	40.43	27.45	23.53	13.00	20.20	15.46	21.25	0.83	2.00
15		BIKANER	2.80	1.41	1.28	0.50	0.01	0.00	0.15	0.03	0.15	0.00	0.00	0.00
16	RAJASTHAN	JAIPUR	9.57	50.65	89.28	51.37	93.10	51.06	100.40	18.49	4.59	70.62	0.16	115.49
17		JODHPUR	0.00	0.00	0.00	0.00	0.00	0.00	0.28	3.13	0.44	12.00	0.00	8.50
18		UDAIPUR	1.01	0.81	0.00	0.64	0.81	0.92	13.45	6.85	9.20	8.10	1.22	17.50
19		GORAKHPUR	0.00	0.00	0.00	0.00	0.00	0.00	0.24	3.00	4.68	3.00	0.97	12.00
20		FURSATGANI	34.00	0.00	15.34	40.00	35.70	43.12	35.00	38.50	27.33	0.00	0.00	16.00
21	UTTAR PRADESH	VARANASI	0.55	0.64	0.27	0.83	1.50	0.01	5.47	16.30	20.84	19.18	5.90	9.22
22		LUCKNOW	5.25	14.15	1.24	22.45	8.87	7.52	15.25	24.32	12.14	88.11	0.00	139.00
23	J&K	JAMMU	4.38	3.40	4.53	8.62	14.15	22.96	28.95	26.87	19.03	5.05	0.54	16.00
24	PUNJAB	AMRITSAR	6.01	15.50	12.92	10.30	10.02	8.61	22.84	61.36	50.09	24.11	3.62	13.00
25	UT	CHANDIGARH	1.22	0.10	0.00	0.00	0.00	0.00	0.06	0.05	0.28	0.00	0.25	12.00
26	HIMACHAL PRADESH	SHIMLA	2.10	0.25	0.52	2.16	7.56	6.60	18.77	0.22	2.33	0.50	0.00	0.00
27	GOA	GOA	22.84	16.88	29.76	16.13	18.58	30.39	25.66	12.05	42.23	39.60	4.38	79.00
28		SURAT	0.07	9.46	4.47	23.15	20.83	28.18	15.84	27.74	27.29	5.05	7.28	0.00
29		KANDLA	6.26	8.42	8.78	0.00	0.26	0.49	0.69	0.80	0.16	0.00	0.00	0.00
30	GUJRAT	AHMEDABAD	9.40	8.80	13.27	20.23	7.55	6.05	17.68	34.36	41.83	16.63	2.00	35.00
31		RAJKOT	0.01	0.00	0.00	0.00	0.05	0.00	1.79	0.65	4.77	8.11	0.00	0.00
32		VADODARA	26.31	14.80	19.45	31.93	53.56	62.81	44.75	39.45	36.64	13.33	2.08	0.00
33		PUNE	8.62	8.80	8.45	0.16	1.10	0.00	2.21	0.34	3.96	35.00	0.00	53.00
34	MAHARASHTRA	AURANGABAD	0.17	0.16	0.87	0.11	0.02	0.00	1.75	0.74	4.86	8.00	0.00	0.00
35		NAGPUR	12.00	13.09	12.53	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00
36		BHOPAL	6.05	5.59	1.49	0.21	0.09	0.00	5.98	4.06	2.75	10.50	1.16	0.00

Sl.No	STATE	AIRPORTS	BE 2014-15	RE 2014-15	Exp. 2014-15	BE 2015-16	RE 2015-16	Exp. 2015-16	BE 2016-17	RE 2016-17	Exp. 2016-17	BE 2017-18	Exp. 2017-18 (Up to 30/06/17)	BE 2018-19
37	MADHYA PRADESH	INDORE	5.10	5.54	4.59	0.72	0.69	0.34	9.35	12.03	8.29	2.07	1.45	0.00
38		JABALPUR	2.30	0.19	0.00	6.23	0.58	0.86	11.19	5.73	7.50	19.08	0.00	0.00
39		HUBLI	8.50	14.00	24.31	11.50	31.34	42.75	18.06	34.60	36.85	19.00	7.61	0.00
40	KARANA AKA	BELGAUM	8.20	11.00	13.20	13.25	16.88	33.29	18.26	22.14	31.10	18.00	0.87	0.00
41		MANGALORE	7.02	8.35	11.57	8.96	13.97	15.63	21.70	19.68	19.70	21.45	0.99	70.00
42		CALICUT	16.08	6.93	7.97	3.53	12.35	32.32	50.91	49.64	53.74	64.32	4.20	5.00
43	KERALA	TRIVANDRUM	23.65	11.06	15.37	17.87	61.88	42.75	36.60	84.56	101.11	28.21	2.53	0.00
44		COIMBATORE	0.03	0.10	0.50	0.29	0.58	0.00	10.67	10.20	5.58	15.88	1.60	0.00
45	TAMIL NADU	CHENNAI	108.22	36.55	45.71	56.21	46.81	29.65	144.82	88.22	74.92	176.09	7.12	265.00
46		TRICHY	0.57	0.07	0.05	0.75	0.01	0.01	4.25	8.52	7.24	58.00	0.00	40.00
47		TUTICORIN	0.01	0.11	0.00	0.11	0.52	0.05	5.35	6.04	7.28	1.12	0.00	0.00
48		CUDDAPAH	1.14	1.92	1.62	0.70	0.67	0.31	0.96	0.85	0.56	1.20	0.00	0.00
49		RAJAHMUNDRY	2.20	0.10	0.06	0.60	2.29	3.12	7.55	17.83	33.38	63.00	16.75	42.00
50	ANDHRA PRADESH	VIJAYAWADA	0.60	0.12	0.00	2.30	10.47	23.90	51.46	95.15	142.18	54.75	15.66	65.00
51		VISAKHAPATNAM	2.05	17.00	11.35	1.05	8.47	4.56	9.65	23.03	16.02	14.00	4.57	0.00
52		TIRUPATHI	16.10	44.73	63.88	22.40	46.23	61.84	17.94	26.31	27.34	16.50	2.80	50.00

9