

PRESENTATION

Consultation Paper 04/2024-25 for determination of MYTP of DEVI AHILYA BAI HOLKAR AIRPORT (DABH), INDORE



भारतीय विमानपत्तन प्राधिकरण
देवी अहिल्याबाई होल्कर विमानतल इंदौर

Airports Authority of India extends heartfelt thanks to AERA for issuance of CP 04/2024-25 for determination of Aeronautical Tariff for Indore International Airport for the 2nd control period (FY 2023-24 to FY 2027-28).

Overview of Indore Airport

- Devi Ahilya Bai Holkar Airport, Indore (IATA:IDR,ICAO:VAID) airport code ‘ 4D’ is the gateway to the city of Indore which is the Business hub of Madhya Pradesh. It is the busiest Airport of Madhya Pradesh in terms of Domestic and International Flights and passenger footfall.
- In the year 1933-34,Indore Airport’s construction was started by descendants of His Highness Maharaja Yashwant Rao Holkar and was completed after Thirteen years on 26th July 1946 with approximate cost of Rs. 1,20,488/-. This Aerodrome was later taken over by Govt. of India, Civil Aviation Department in 1950 and further developments were executed. On 17.08.2001, this Airport located at Indore city was renamed as Devi Ahilya Bai Holkar Airport, Indore.
- In addition of being a commercial city of Malwa plateau, Indore is an educational hub of the state with premier educational institutes like IIM and IIT.

DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT

AIRPORT CHARACTERISTICS



1.	Code & Capacity	Aerodrome reference code : 4D	
2.	Details of facilities (Air Side)	No. of Runways : 01	
		Parallel taxiways: 01 (Part Parallel)	
		No. of Parking stands : 26	
		No. of Stands	Stand Compatibility
		16	Upto A321
10	Upto ATR72		
3.	Category of Airport	Custom Airport	

DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT

TERMINAL BUILDING DATA

11

<u>S. No.</u>	<u>Particulars</u>	<u>Total</u>
1	TERMINAL BUILDING BUILT UP AREA (IN SQM)	18000
2	ANNUAL DESIGN CAPACITY (IN MPPA)	4.00
3	PEAK HOUR CAPACITY	1322
4	ENTRY / EXIT GATES	02/02
5	CONVEYOR BELTS	04
6	ESCALATORS	06
7	ELEVATORS	07
8	AEROBRIDGE	05
9	NO. OF TROLLEYS	1000
10	CHECK- IN COUNTERS	18

DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT

TERMINAL BUILDING CHARACTERISTICS



Peak Hour Traffic	
Domestic PAX	1172
International PAX	150
Area Per Passenger	
Domestic	Approx.13 SQ. MTR
International	
Carpet Area	15300 SQ. MTR
Navigational Aids	DVOR/DME & ILS (Landing Aid)
ATC Watch Hours	H24
ILHBS	Parallel operations started w.e.f. 19.09.2024
CCTV	314 Cameras (Cargo – 117, NITB – 197)
FIDS (HD Display)	61 nos.

DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT

PASSENGER AMENITIES/ FACILITIES



1. Digi Yatra
2. Check in counters with CUTE & CUSS
3. In Line Baggage Screening system
(Parallel operation started from 19.09.2024)
4. Restrooms/ Tactile Flooring
5. Facilities for persons with reduced mobility-ramp
6. FIDS/ PA System/ Entertainment TV
7. Immigration & Customs counters
8. Child care rooms
9. MI room
10. Napkin vending machines
11. Bottle crushing machines
12. Drinking water
13. Seating Arrangements
14. Reserved Lounge
15. CCTV system
16. Free Wi-Fi
17. Aerobridges
18. Lift and elevators
19. Wheelchair assistance for PRM.
20. May I Help You Counters



DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT COMMERCIAL FACILITIES



Existing Facilities

1. Master Concessionaire for Food & Beverages
2. Advertisement Rights
3. General Car Rental (For Maxi Cab & Motor Cab) Facility
4. Smoking Lounge
5. Spa & Wellness
6. Car Parking
7. Executive Lounge
8. IBS (In Building Solution)
9. Application Based Cab Aggregator (Ola & Uber)
10. Post Office
11. Tourism Counter
12. In-Flight Kitchen Service
13. Retail (Stop Gap Arrangement)

Tenders in process

1. Master Concessionaire Retail
2. EV Charging
3. ATM Counter



DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT

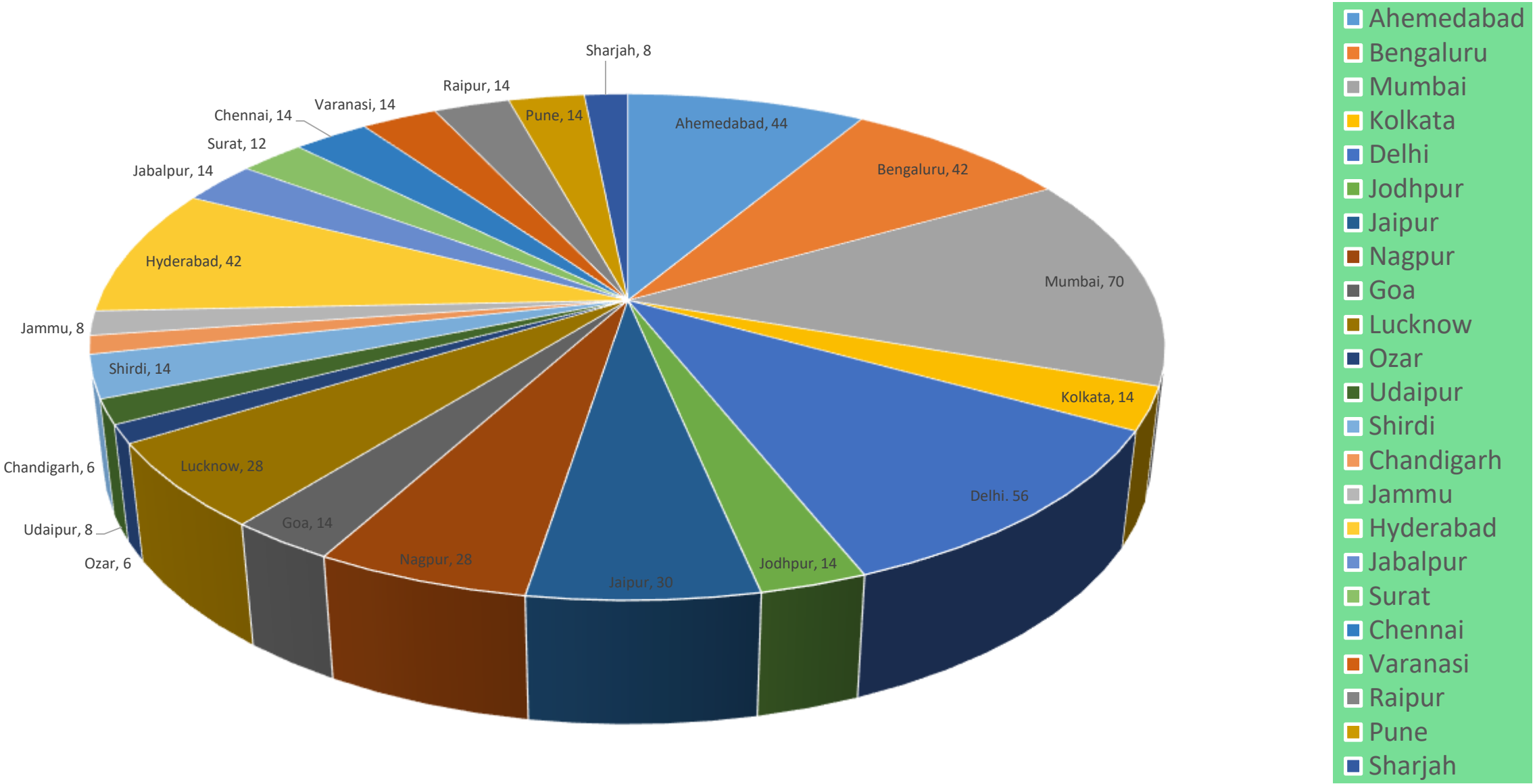
AIRPORT SERVICE QUALITY



QUARTER	2019	2020	2021	2022	2023	2024
QTR I	4.80	4.84	4.92 (CSI Round-I)	4.92	4.90	4.74
QTR II	4.82	4.82		4.93	4.94	4.66
QTR III	4.77	4.90	4.85 (CSI Round-II)	4.96	4.92	-
QTR IV	4.84	4.88		4.94	4.89	-
Average	4.80	4.86	4.885	4.94	4.91	-

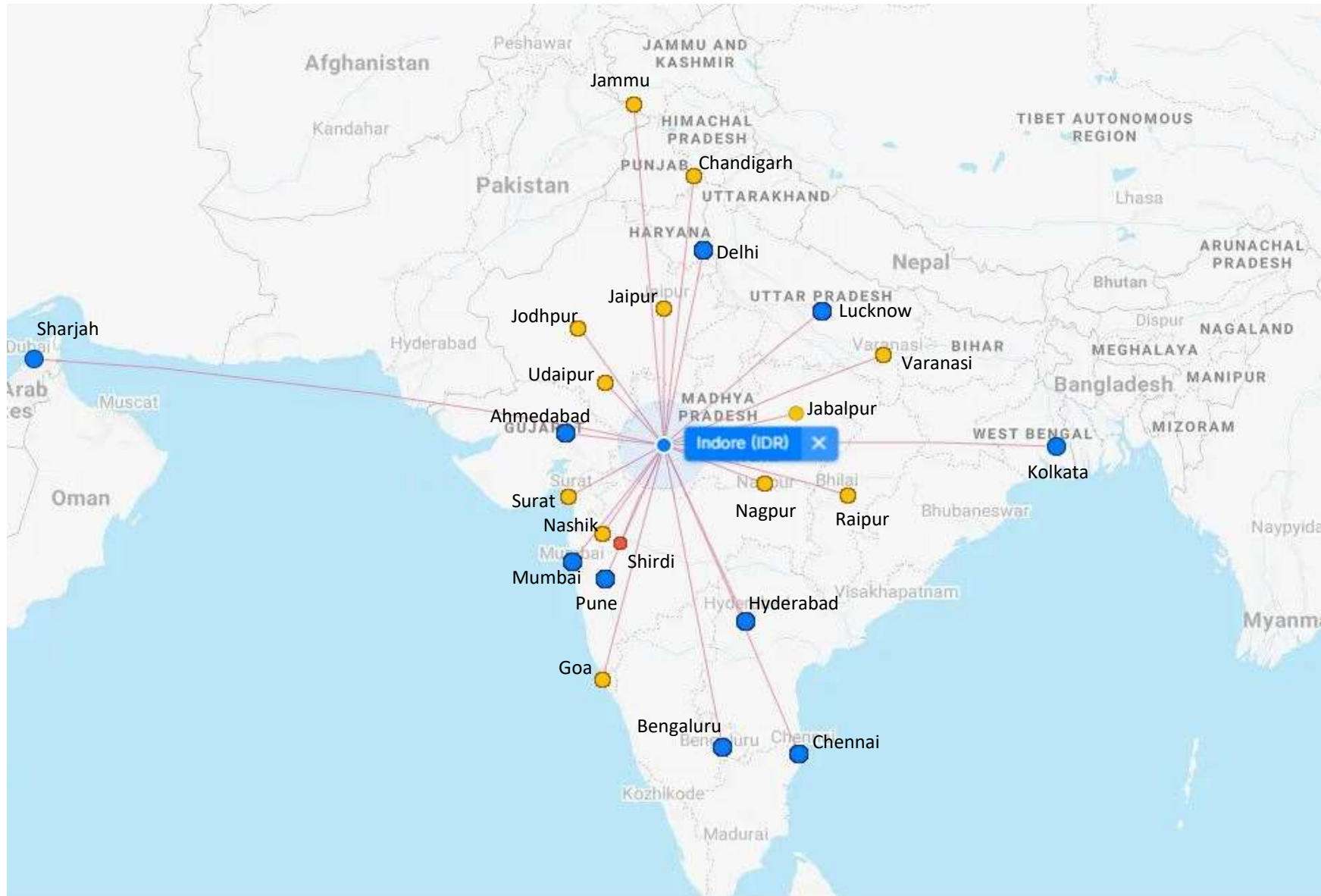
CONNECTIVITY

WEEKLY OPERATIONS (SEPTEMBER'24)



DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT

Departures from Indore Airport



- Ahmedabad
- Bengaluru
- Mumbai
- Kolkata
- Delhi
- Jodhpur
- Jaipur
- Nagpur
- Goa
- Lucknow
- Ozar
- Udaipur
- Shirdi
- Chandigarh
- Jammu
- Hyderabad
- Jabalpur
- Surat
- Chennai
- Varanasi
- Raipur
- Pune
- Sharjah

PASSANGER THROUGHPUT DATA (IN MILLIONS) DABH AIRPORT, INDORE (TILL AUGUST 2024)



Airlines wise Weekly data



S. No.	City	INDIGO	AIR INDIA	AI EXPRESS	VISTARA	ALLIANCE	TOTAL	% AGE
1	Ahmedabad	44	0	0	0	0	44	7.36
2	Bengaluru	42	0	14	0	0	56	9.36
3	Mumbai	70	14	0	0	0	84	14.05
4	Kolkata	14	0	0	0	0	14	2.34
5	Delhi	56	14	0	28	14	112	18.73
6	Jodhpur	14	0	0	0	0	14	2.34
7	Jaipur	30	0	0	0	0	30	5.02
8	Nagpur	28	0	0	0	0	28	4.68
9	Goa	14	0	0	0	0	14	2.34
10	Lucknow	28	0	0	0	0	28	4.68
11	Ozar	6	0	0	0	0	6	1
12	Udaipur	8	0	0	0	0	8	1.34
13	Shirdi	14	0	0	0	0	14	2.34
14	Chandigarh	6	0	0	0	0	6	1
15	Jammu	8	0	0	0	0	8	1.34
16	Hyderabad	42	0	0	0	0	42	7.02
17	Jabalpur	14	0	0	0	0	14	2.34
18	Surat	12	0	0	0	0	12	2.01
19	Chennai	14	0	0	0	0	14	2.34
20	Varanasi	14	0	0	0	0	14	2.34
21	Raipur	14	0	0	0	0	14	2.34
22	Pune	14	0	0	0	0	14	2.34
23	Sharjah	0	0	8	0	0	8	1.34
	Total						598	100

Major Ongoing Projects (Electrical & Civil)



SL. NO	PROJECTS	CURRENT STATUS
1	Reconfiguration of Integrated Terminal Building & Renovation of Old Terminal Building at D.A.B.H. Airport, Indore. Subhead : Civil and Internal Electrification Works.	Physical work started on 20.05.2024 Award Value Rs. 3108.00 Lakhs Work in progress. PDC 19.04.2025

Major Ongoing Projects (Electrical)



SL. NO	PROJECTS (Reconfiguration of Integrated Terminal Building & Renovation of Old Terminal Building at D.A.B.H. Airport, Indore.)	CURRENT STATUS
1	SH: SITC of DG Sets and Allied Works.	Work awarded on 16.02.2024 Award Value Rs.178 Lakhs DG Sets Supplied and installed on 09.08.2024 PDC 15.11.2024
2	SH: Augmentation of Power Supply System for Old Terminal Building.	Work awarded on 17.03.2024 Award Value Rs. 424.00 Lakhs 80% Material supplied. Installation work under progress PDC 31.10.2024
3	SH: SITC of Non-Inline Baggage Handling System at OTB of DABH Airport, Indore.	Work awarded on 24.05.2024. Award Value Rs. 100.00 Lakhs GAD Drawing under Approval. PDC 31.12.2024
4	SH: Provision of Illuminated and Non-Illuminated Wayfinding Signages.	Work awarded on 04.07.2024. Award Value Rs. 148.00 Lakhs Drawing submitted and Approved for NITB. OTB drawing under Approval PDC 31.01.2025.

DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT MAJOR CAPEX (First Control Period)

11

S.N	Description of Assets	Amount (in Crs)	Date of Completion
1	SITC of FIDS System	1.54	08-Jul-2020
2	SCCTV (CHQ project)	2.45	20-May-2022
3	INLINE XBIS (CHQ project)	9.72	19-Jul-2022
4	Providing Apron Drive Glass walled Passenger Boarding Bridges and Visual Docking Guidance System at Various Airports in India.	2.03	31-Jan-2022
5	SITC of ILBS system confirming to TSA Standards/Standard 3(EU) for Various Airports in India with one-year Comprehensive Maintenance Contract with spares (2nd lot). S.H.: Modification of existing Departure Baggage Handling System to accommodate CTX based ILBS system at Indore Airport.	4.33	30-May-2022
6	SITC of Passenger Boarding Bridges (PBB's) and Advance Visual Docking Guidance System (AVDGS) at Various Airport in India.	1.72	23-Sep-2022
7	Supply and Laying of LT/HT cables inside Operational area at DABH Airport, Indore.	1.03	08-Jul-2021
8	DEVELOPMENT OF 15 NOS. PARKING BAYS, PARALLEL TAXI	48.93	03-Dec-2021
9	CONST. OF STAFF QUARTERS 16 type B & 2 TYPE D	5.90	04-Apr-2019
10	ACFTS / RIVS - NAFCO	5.24	26-Aug-2019
11	SUPPLY OF PPB'S AVDGS AT VARIOUS AIRPORT	5.08	30-Sep-2020

DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT MAJOR CAPEX (First Control Period)

11

S.N	Description of Assets	Amount (in Crs)	Date of Completion
12	SUPPLY OF RUBBER REMOVABLE MACHINES	4.96	31-Mar-2019
13	Development of Pucca Drainage at Indore	4.23	31-Dec-2020
14	SOLAR POWER SYSTEM AT INDORE AIRPORT	4.17	31-Dec-2018
15	WIDENING, STRENGTHENING & RECARPETING OF PERIMETER	3.25	16-Mar-2022
16	CONS. OF ADDI. BARRA. CISF BARRACK	2.70	30-Aug-2021
17	Construction of TOILETS COMPLEX in NITB	2.04	31-Dec-2022
18	SUPPLY OF 1000 NOS. PBTS WITH BRAKES TO VARIOUS AA	2.02	25-Mar-2021
19	C/O OF BOUNDARY WALL PERIMETER ROAD & SEC	1.99	04-Nov-2019
20	EXT OF TURN PAD, FILLETS FOR LINK TAXI TRACK-CIVIL	1.51	05-Nov-2022
21	Antique lamp post & additional electrical works	1.25	08-Jan-2023
22	PROV.OF ALUMINIUM CADING WORK IN NITB	1.20	02-Jan-2020

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Proposal for Second Control Period

HISTORICAL AND PROJECTED PASSENGER TRAFFIC

Excluding Defence, para military movements & General Aviation aviation

F.Y	Dom.	Intl.	Total Passengers	Growth Rate		
				Dom.	Intl.	Total
2016-17	1782585	0	1782585			
2017-18	2266389	0	2266389	27.1%		27.1%
2018-19	3158938	0	3158938	39.4%		39.4%
2019-20	2893449	25522	2918971	-8.4%		-7.6%
2020-21	895391	913	896304	-69.1%	-96.4%	-69.3%
2021-22	1622682	6986	1629668	81.2%	665.2%	81.8%
2022-23	2813144	15443	2828587	73.4%	121.1%	73.6%
2023-24	3350838	31437	3382275	19.1%	103.6%	19.6%
2024-25	3886972	55015	3941987	16.0%	75.0%	16.5%
2025-26	4431149	60516	4491665	14.0%	10.0%	13.9%
2026-27	5051509	66568	5118077	14.0%	10.0%	13.9%
2027-28	5657691	83210	5740901	12.0%	25.0%	12.2%

HISTORICAL AND PROJECTED AIRCRAFTS MOVEMENT TRAFFIC Excluding Defence, para military movements & General Aviation

F.Y	Dom.	Intl.	Total Passengers	Growth Rate		
				Dom.	Intl.	Total
2016-17	14374	0	14374			
2017-18	18668	0	18668	29.9%		29.9%
2018-19	26442	0	26442	41.6%		41.6%
2019-20	22722	213	22935	-14.1%		-13.3%
2020-21	9944	22	9966	-56.2%	-89.7%	-56.5%
2021-22	16429	69	16498	65.2%	213.6%	65.5%
2022-23	25062	122	25184	52.5%	76.8%	52.6%
2023-24	27157	260	27417	8.4%	113.1%	8.9%
2024-25	30688	416	31104	13.0%	60.0%	13.4%
2025-26	34370	450	34820	12.0%	8.2%	11.9%
2026-27	38494	485	38979	12.0%	7.8%	11.9%
2027-28	42344	602	42946	10.0%	24.1%	10.2%

**DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT
PROPOSED MAJOR CAPEX-CIVIL(Second Control Period)**



S No.	Project	Amount (in Crs)	PDC/DOC
A	Building - Terminal		
A.1	Modification of existing Terminal Building for international ops	31.03	PDC 19-Apr-25
B	Other Building		
B.1	Fire Station	10.47	DOC 14-May-24
B.2	Provision of Rainwater Harvesting in Operational Area at D.A.B.H. Airport Indore.	0.54	DOC 05-Jun-24
B.3	Miscellaneous Civil Works for Security Installation i/c construction of Buffer Zones at gates & Mobile Watch Tower & other associated works at D.A.B.H. Airport, Indore.	0.10	DOC 09-Aug-23
B.4	Miscellaneous Civil Work near 15 no. Parking Bay to enhance aviation safety at D.A.B.H. Airport, Indore.	0.06	DOC 14-Aug-23
C	Computers - End User Devices		
C.1	Procurement of IT Equipment (base on replacement of IT Infra as per IT policy)	0.92	PDC 20-Dec-24

**DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT
PROPOSED MAJOR CAPEX-CIVIL(Second Control Period)**

11

S No.	Project	Amount (in Crs)	PDC/DOC
D	Plant & Machinery		
D.1	Inline Baggage Screening System (ILBS)	13.70	DOC 03-Nov-23
D.2	Self-Baggage Drop (SBD)	0.90	DOC 28-May-24
D.3	Non-Linear Junction Device (NLJD)	0.02	DOC 05-Jun-24
D.4	Explosive Trace Detector (ETD)	0.90	DOC 12-Aug-24
D.5	Door Frame Metal Detector (DFMD)	0.20	PDC FY 2025-26
D.6	Body Scanner (4 no.)	10.00	PDC FY 2025-26
D.7	Threat Containment Vehicle (TCV)	10.00	PDC FY 2024-25
D.8	Security CCTV (SCCTV)	0.03	PDC 01-Mar-25
D.9	Bomb Detection and Disposal Squad (BDDS)	4.00	PDC FY 2025-26

**DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT
PROPOSED MAJOR CAPEX-CIVIL(Second Control Period)**

11

S No.	Project	Amount (in Crs)	PDC/DOC
E	Tools & Equipment		
E.1	Hydraulic Cutter & Spreader with Pump & Accessories – 01 No.	1.80	DOC 07-Sep-23
E.2	Supply of 01 Nos. Airport Surface Friction Tester (ASFT) with Operation & Comprehensive Annual Maintenance Contract	1.25	PDC 20-Jan-25
F	Electrical Installations		
F.1	Replacement of Air-Conditioning units of VIP Lounges & Passenger Boarding Bridges no. 1 & 3 at DABH Airport, Indore.	0.20	DOC 26-Apr-24
F.2	Provision of Stand-by hydro-pneumatic water supply system for NITB at DABH Airport, Indore.	0.25	PDC 28-Sep-24
F.3	Replacement/addition of Internal & External Signages for Terminal Building at DABH Airport, Indore.	0.80	PDC 31-Jan-25
F.4	Supply and laying of runway circuit 'B' cable and associated works at DABH Airport, Indore	0.60	PDC 30-Sep-25
F.5	Provision of additional flood light poles for newly constructed Parking Bays at DABH Airport, Indore	0.12	DOC 06-Feb-24

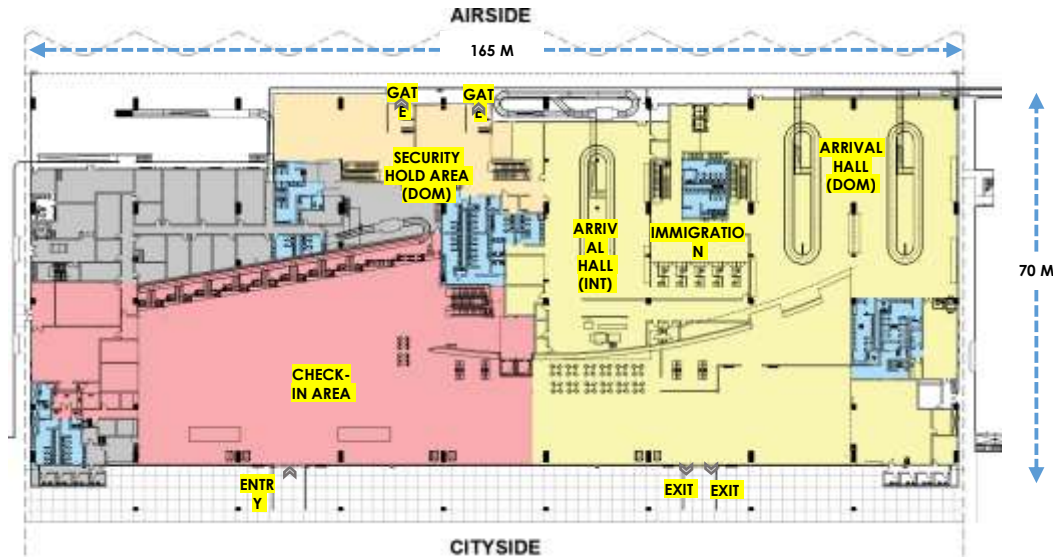
**DEVI AHILYA BAI HOLKAR INTERNATIONAL AIRPORT
PROPOSED MAJOR CAPEX-CIVIL(Second Control Period)**

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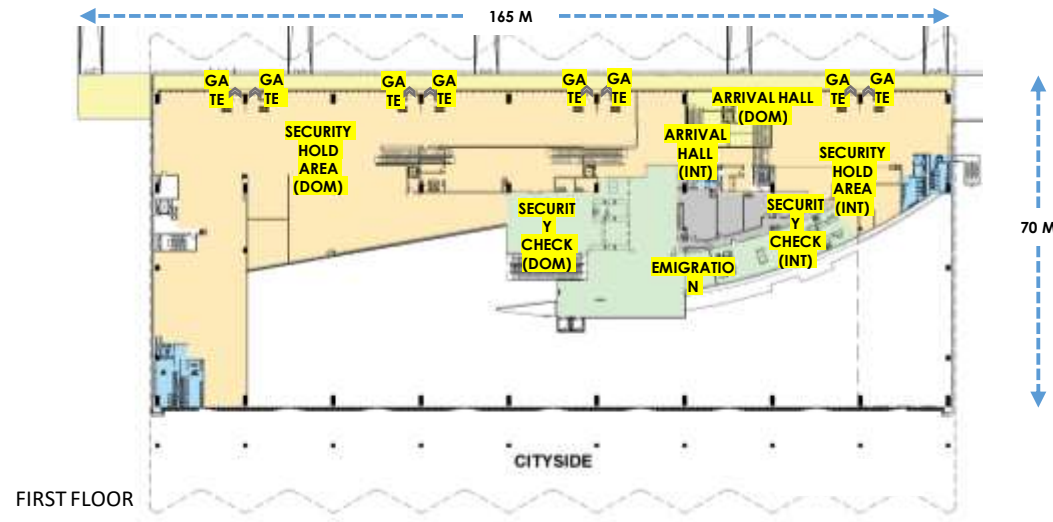
S No.	Project	Amount (in crs)	PDC/DOC
F.6	Replacement of existing water supply pumps with energy efficient pumps & provision of additional water pump for CFT filling at Fire Station including allied works at DABH Airport, Indore	0.14	DOC 19-Jan-24
F.7	Refurbishment/ modification of OTB at DABH Airport, Indore. SH : Electrical works	12.93	PDC 31-Jul-25
F.8	SITC of Airfield Lighting Control and Monitoring System (ALCMS)	0.60	PDC 30-Sep-24
F.9	Fire Station	1.85	DOC 14-May-24
G	X-Ray Baggage System		
G.1	X Ray Baggage System	2.20	DOC 05-Dec-23
H	CFT/Fire Fighting Equipment		
H.1	Airfield Crash Fire Tender (ACFT) – 2 Nos. of 10 KL Water Tank Capacity	14.00	PDC FY 2026-27
I	Other Assets		
I.1	Digi Yatra	4.13	DOC 22-Jul-24
	Total	123.73	

Existing Terminal Building Layout

One & a half Level Building
Height of Terminal Building is 22 Meters



GROUND FLOOR

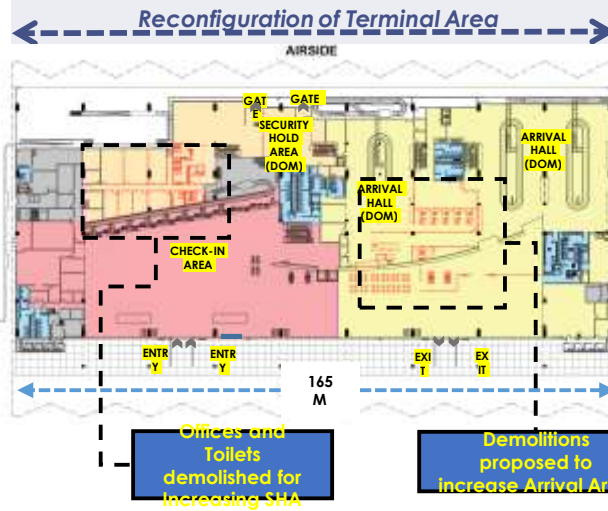


FIRST FLOOR

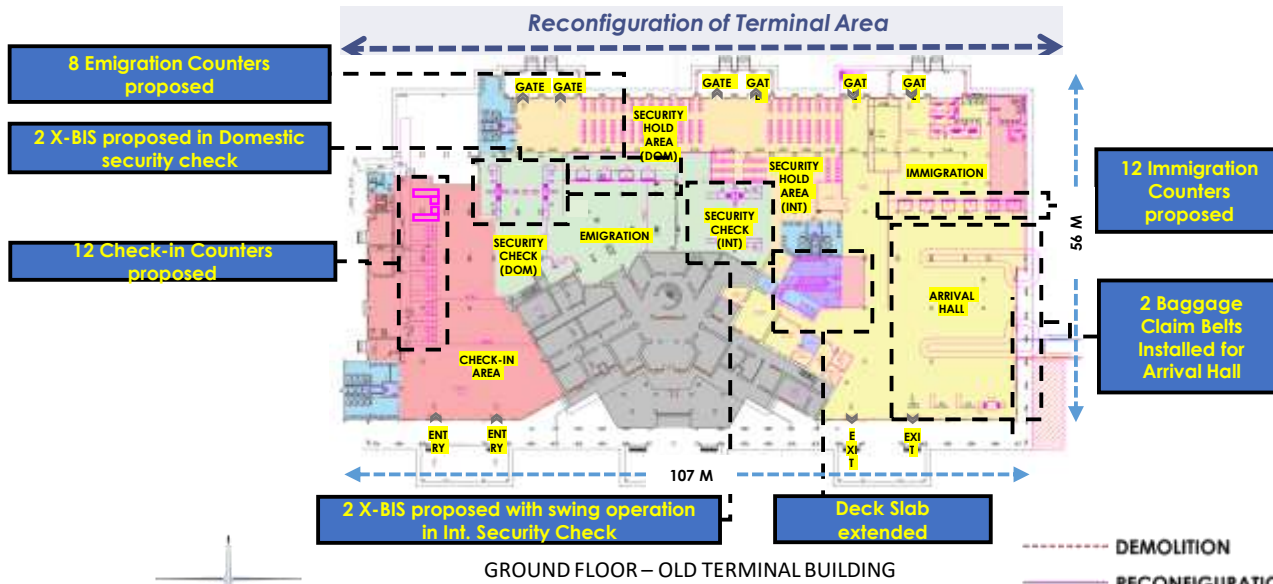
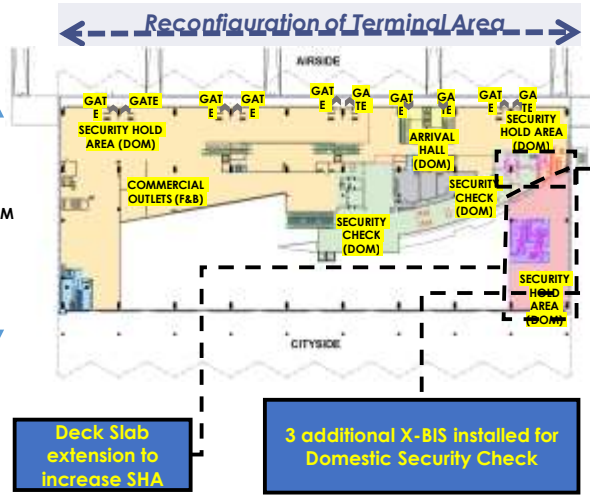


Reconfigured & Expanded Terminal Building Layout

GROUND FLOOR



FIRST FLOOR



GROUND FLOOR – OLD TERMINAL BUILDING

--- DEMOLITION
 --- RECONFIGURATION

EXISTING AND POST MODIFICATION COMPARISON

Facilities	Existing Infrastructure	Infrastructure Post Modification		
		Old	New	
Entry Gate / Lanes	2/4	2/4	2/4	
Exit Gates	2	2	2	
Check-in Counters	20	12	20	
Security Check Machines (Domestic)	3 (X-BIS)	2 (X-BIS)	6 (X-BIS)	
Security Check Machines (International)	2 (X-BIS) (Swing operation)	2 (X-BIS)	NA	
Emigration Counters	4	8	NA	
Immigration Counters	10	12	NA	
Boarding Gates	In-Contact	8	NA	8
	Remote	2	4	2
Security Hold Area	Domestic	3,800 SQM	300 SQM	7,000 SQM
	International	1,000 SQM	430 SQM	NA
Total Terminal Area	18,000 SQM	6,200 SQM	18,000 SQM	
Peak Hour Passenger Handling Capacity	1,322 Passengers	2,400 Passengers		

	PHASE I	PHASE II
X-BIS	+2 (2 Dom.)	+3 (Dom.)
Entry Lane	+4	--
Check-In counter	+12	--
Estimated Cost of Project (in Cr)	45.47	5.98
PDC	October 2024	January 2025



PHOTOGRAPHS - A.1 RECONFIGURATION WORK - OTB



PHOTOGRAPHS - B.1 NEW FIRE STATION WORK



PHOTOGRAPHS - B.2 RAIN WATER HARVESTING WORK





ONGOING ELECTRICAL WORK 1 – SITC of DG Sets

D.1 Inline Baggage Screening System (ILBS)





D.2 Self Baggage Drop System (SBD)



D.4 Explosive Trace Detector (ETD)

PHOTOGRAPHS -



D.5 Door Frame Metal Detector (DFMD)

D.8 Security CCTV (SCCTV)



धन्यवाद।
Thank You