Action Plan

The sketch/Development plan of Jhansi Airport for this is attached as Annexure-I. However, the requirements as mentioned in the following Paras shall be fulfilled for the same:

1. **Handing over of land:** The State Govt. has 60 acres of land at Jhansi and same is to be handed over to AAI for proposed work for development of Civil Enclave at Jhansi.

   **Action:** State Govt.

2. **Joint Use Permission from ARMY:** Necessary approval / NOC is required for operation of RCS flight and development of Civil Enclave from Ministry of Defence.

   **Action:** State Govt. / Defence/ AAI Plg. Dte

3. **Pavement works:**
   - Widening of runway by 10m (1000x10=10000 Sqm) (overall size 1000x30m)
   - Basic strip grading at runway ends
   - Construction of RESA 40x30 mtr
   - Apron and Link Taxiway
   - Runway Marking
   - Internal Road
   - Construction of car parking area of size 25x30m to accommodate 25 nos. vehicles.

   The pavement works shall be carried out by state Govt. However, necessary drawings/specifications shall be provided by AAI. The monitoring during execution of work will be done by RED, NR AAI.

   **Approx. Cost:** Rs. 13.0 Crore
   
   **PDC:** July 2018 (subject to handing over of land by State Govt)

   **Action:** State Govt. / AAI Plg. Dte / RED, NR, AAI

4. **Terminal Building:**

   It is proposed to construct pre-engineered structure as Passenger Terminal Building of covered area 525 sqm (as per enclosed drawing as Annexure-II) to accommodate 20 nos. arrival passengers and 20 nos. departure passengers at a time to provide the following essential facilities/areas:

   - Arrival lounge, Departure lounge, Security hold area with Washroom facility for Male, Female & Differently abled passengers, Passenger Check-in Area, VIP Lounge, First Aid Room, Fire control room, Arrival baggage claim area, Baggage Make up area.

   Suitable seating arrangement is required in departure and security hold area. The drinking water facility has to be provided in terminal building. Suitable arrangement to be made for passenger baggage trolleys for arriving as well as departing passengers.

   The air conditioning should be provided for at least SHA.

   Internal road around terminal building, VVIP room and for control tower is to be provided.

   The passenger traffic picks up, food stalls, TR stalls, etc can be provided by positioning porta cabins on the side of terminal building.
The work for construction of Terminal Building along with above mentioned facilities shall be carried out by state Govt. However, necessary drawings/specifications shall be provided by AAI. The monitoring during execution of work will be done by RED, NR AAI.

Approx. Cost: Rs. 2.5 Crore  
**PDC:** July 2018 (subject to handing over of land by State Govt.)

**Action:** State Govt. / AAI Plg. Dte./ RED, NR, AAI

5. **Operational Boundary Wall:**

1. Construction of boundary wall of 8 feet height plus 1.50 feet overhang consisting of barbed wire concertina coil all around civil enclave, as per the Bureau of Civil Aviation (BCAS) norms.
2. Construction of operational wall to separate the city side area from airside as per proposed Master Plan with gate.
3. Provision of fire crash gates on both ends of boundary wall.

The work for construction of boundary wall shall be carried out by state Govt. However, necessary drawings/specifications shall be provided by AAI. The monitoring during execution of work will be done by RED, NR AAI.

Approx. Cost: Rs. 2.5 Crore  
**PDC:** July 2018 (subject to handing over of land by State Govt.)

**Action:** State Govt. / RED, NR, AAI

6. **Runway Strength (PCN)** – PCN and Subgrade Strength evaluation of the existing runway, taxiway and apron shall have to be carried out and if required same needs to be strengthened to meet the desired PCN value. The CBR/K value of soil subgrade, cross section of runway/taxiway/apron/pavements shall be required for PCN evaluation. The State Govt. shall take-up the matter with the Defence authorities for providing the same.

For PCN evaluation, action has been initiated by AAI, CHQ Structure Directorate.

**PDC:** April 2018

**Action:** Defence/ AAI, CHQ Structure Dte.

7. **Other Misc. Civil works:**

- Provision of Cooling pit is also required. The location of the same will identified and action for completion shall be taken up by UP State govt.
- Fire Pit
- Development of green area in front of Terminal Building.
- Construction of a room of size 6x4m for installation of CNS equipment’s.
- Construction of 8x10m room / space for installation of electrical panels etc.
- Underground and overhead tank for water supply.
- Guard room / Watch Tower etc.
- Septic tank
- 2 no Borewell
The above-mentioned work shall be carried out by state Govt. However, necessary drawings/specifications shall be provided by AAI. The monitoring during execution of work will be done by RED, NR AAI.

Approx. Cost: Rs. 1.3 Crore  **PDC:** July 2018 (subject to handing over of land by State Govt.)

**Action:**  State Govt. / AAI Plg. Dte. / RED, NR, AAI

8. **Access Control/ Approach Road:**

Approach road from highway to be widened to two lane road with boom barriers at the airport entrance and properly illuminated. Necessary signage’s from highway also to be provided. Shelter covers/ booths to be provided for checking security staff.

In addition to above a new Approach Road is required from NH-75 to Civil Enclave.

The work for construction of approach road shall be carried out by state Govt.

**PDC:** July 2018

**Action:**  State Govt.

9. **Control Tower:**

All the Control Tower facilities are available with Defence and same will be provided by them for Civil operations.

**Action:**  Defence/State Govt. / Planning Dte. AAI/RED, NR, AAI

10. **Documentation:**

The necessary documentation like security manual, quality control manual, aerodrome manual, emergency procedure and contingency plans, safety management manual etc. to be prepared by State Govt. in co-ordination with AAI Ops. Dte.

**Action:**  State Govt.

11. **CNS Works:**

Following essential facilities are required to be provided by CNS Dte in order to provide Air Traffic Control Service under RCS at AAI and non AAI airports.

1) VHF for Control Tower (Main & Standby Frequency) with associated equipment’s recording facility (DVR) etc. - **CHQ (CNS-P) is taking action to procure facilities**
2) Digital Clock.
3) Direct Telephone line with STD facilities and Fax machine.
4) Intercom facilities with CNS units, fire stations etc.
5) Direct Hot Line with City fire brigade.
6) At least five sets of Walky-Talky equipment’s with one Base Station.
7) Crash Fire Alarm and PA systems.
8) Mobile Phone with dual SIM (One from BSNL and other having good coverage)
(9) Computer with internet facility and Printer.
  - RHQ’s is required to take action to provide facilities from Sl. No. 2 to 9
  - It is required to install two ACs for VHF AND DVR equipment.
  - A new Earthling is required to make before installation of CNS equipment.
  - Local administration has to take up the issue with BSNL/Other service provider to
    terminate few lines inside airport premises.
  - DG set is not provided as back-up for mains supply. It needs to be provided as
    back-up.
  - No furniture available for CNS equipment. Needs to provide few basic furniture
    for equipment and officers.

The CNS equipment shall be precured/ arranged by AAI and shall be provided to State Govt.
on rental basis.

Approx. Cost: Rs. 1.0 Crore

PDC: July 2018

Action: CNS Dte., AAI, CHQ

12. Security Equipment:

Security equipment required are assessed as below:
  - XBIS (RB)-1 No.
  - X-BIS(HB)-1 No.
  - DFMD-4Nos. (SHA-2 Nos., Entrygate-1 No., Stop Gate- 1 No.)
  - HHMD- 8 Nos.
  - CCTV
  - ETD-2 Nos.
  - FIDS-2 Nos.
  - PA System – 2 Nos.

The Security equipment shall be precured/ arranged by AAI and shall be provided to State
Govt. on rental basis.

Approx. Cost: Rs. 1.5 Crore

PDC: July 2018

Action: AAI

13. Airspace Management perspective and removal of obstacles -

Airspace of Jhansi Airport is clear from Airspace Management point of view, OLS Survey
needs to be carried out before commencement of operations. For survey and OLS charting
Award letter has already been placed by CHQ vide letter No. AAI//9-3/RCS/2018(Survey)
dated 23.02.2018. The identified obstacles from survey, buildings, towers, trees, HT Lines
(if any) shall be removed by State Govt.

Approx. Cost: Rs. 11.8 Lakhs (for OLS survey)

PDC: April 2018

Action: State Govt. / ED(ATM), CHQ, AAI
14. **Fire Services:**

At present the Fire and Rescue Services are available with ARMY. However, in-order to commencement of operation immediately at the Airport below mentioned infrastructure works and facilities shall be ensured or immediately required.

- ARFF competent firefighting crew along with fire extinguishing media for category- IV is required to be commissioned before commencement of operation.
- The following mandatory equipment’s and transport facilities are required
  
  a. 01 CFT and 01 Ambulance to be commissioned.
  
  b. 01 CFT 01 Ambulance to be kept stand-by.
  
  c. Fire store requirements:
     
     i. At least 700 liters of foam compound should be kept in reserve.
     
     ii. At least 135kg of DCP should be kept in reserve.
     
     iii. Rescue tools, Communication System, required furniture for Fire Station, Fire Pit
     
     iv. Fire Crash Gate at both ends of runway.

At present Jhansi airport is operated by ARMY so the abovementioned Fire facilities shall be ensured by them. However, if the same will not be provided by Defence, then the required/balance equipment’s / facilities shall be procured/ arranged by AAI and shall be provided to State Govt. on rental basis.

**PDC:** July 2018

**Action:** State Govt./Defence/ RED, NR, AAI

15. **Security Services:**

The Security services are to be provided by the State Govt. The State Police shall provide/ensure Airport security and shall be trained by Bureau of Civil Aviation Security(BCAS) for anti-hijacking and peripheral security. The number of police personnel to be deputed shall be communicated to State Govt. by BCAS after inspection for training and deployment.

**Action:** State Govt. / BCAS
16. **Electrical works:**

- The Dedicated 11 KV HT Supply with 11 KV / 415 V transformer is required with LT metering connection from UPPCL.

  (1) The standby power supply source i.e. DG set with AMF Panel and LT Panel.
  (2) Internal & External electrification as per operational requirement.
  (3) Electrical fitting and fixtures i.e. Fan, LED Light Fitting in existing terminal building.
  (4) Air-Conditioning of existing terminal building for passenger facilitation and operational equipment’s.
  (5) Water Coolers and RO System for drinking water supply.
  (6) Electronic Weighing Machine for checking counters.
  (7) Signages for passenger facilitation in existing terminal building.
  (8) Signages for operational area i.e. runway, taxiway etc.
  (9) Electrical fitting & fixtures for new proposals / requirements by CNS, Civil etc.

**NOTE:** The Runway Lights, Taxiway Lights, PAPI Lights, Approach Lights, Apron High Mast Lights, Perimeter Lights are not considered for VFR operation.

The Electrical work shall be carried out by state Govt. However, necessary drawings/specifications shall be provided by AAI. The monitoring during execution of work will be done by RED, NR AAI.

Approx. Cost: Rs2.6 Crore  **PDC:** July 2018 (subject to handing over of land by State Govt.)

**Action:** State Govt. /RED, NR, AAI

17. **Meteorology** - Some Met observatory facilities are available with Defence. However other Met observatory facilities and the trained Met. Officials may be required before commencement of commercial flights. Necessary coordination with Met. Department to be taken up by State Govt. of UP.

**Action:** State Govt.

18. **Status of Airport Licence** -
Presently Airport license is not available. The state Govt shall initiate action for obtain aerodrome license ‘public use category from Directorate General of Civil Aviation (DGCA).

**PDC:** July 2018

**Action:** State Govt.
19. **Suitability of Airport** -

Presently, Aerodrome is not fit for commercial flights, however, after actions as above and obtaining aerodrome licence, the commercial flight operations may be commenced.

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**Signatures**

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