**Action Plan**

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

1. **Land requirement:** The approach road and entrance gate are coming under the approach funnel of 06 side of runway. The location of entrance gate is almost in the centerline of runway which is completely incorrect. The diversion of approach road is also required but due to space constraint, it is not feasible.

   In view of above, the Terminal Building with Car Parking and Hard Stand for buses is proposed out-side the airport toward city side approach as shown in Annexure-I with provision of boundary wall and new entrance gate. The land required for Terminal Building and other facilities are approximate 1.73 acres. The existing boundary wall toward approach road shall be utilized as separation wall between city side area and airside area. The existing main entrance gate will be utilized as an entry gate in operational area.

   State Govt. shall take necessary action for acquisition and handing over of same.

2. **Pavement works:**

   - Extension of apron by (78.5X 11+ 39x20.5=1674.7 Sqm)
   - (overall size 78.5mX39m)
   - Basic strip grading
   - Construction of RESA 46X30 mtr.
   - Fire CFT Holding position road 6.0 mtr wide
   - Connection roads from fire station & ATC tower
   - Connecting Road between Runway and Fire Station
   - Runway and Apron Marking
   - Visitors Car Parking
   - Approach Road
   - Storm Water Drain

   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. 14.50 Crore

   **PDC:** July 2018

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

3. **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 have 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

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

4. Operational Boundary Wall:

1. The present boundary wall is 2.4 m height brick wall with barbed wire fencing which needs to be raised to 8 ft. height brick wall + 1.5 ft. concertina coil.
2. The construction of 300 m long boundary wall as per BCAS norms between primary and secondary runway which has been completely merged due to grading work.
3. Raising of existing boundary wall upto 8 ft. height brick wall + 1.5 ft. concertina coil wherever, it becomes shorter after basic strip grading work.
4. Construction of operational wall i.e. 8 ft. height brick wall + 1.5 ft. concertina coil in proposed area for Terminal Building and other facilities as per proposed Master Plan.
5. 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. 1.5 Crore

Action: State Govt. /RED, NR, AAI

5. 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 value of soil subgrade, cross section of runway/taxiway/apron/pavements shall be required for PCN evaluation. The State Govt. may please provide the same from their consultant M/s RITES.

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

PDC: April 2018

Action: AAI, CHQ Structure Dte./ State Govt.
6. **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.
   - Underground and overhead tank for water supply.
   - Guard room / Watch Tower etc.
   - Windsock, ARP and Landing T etc.
   - Septic Tank
   - Bore Well
   - Completion of Balance work of Fire Station
   - Construction of a room of size 6x4m for installation of CNS equipment’s
   - Construction of 8x10m room/ space for electrical panels etc.

   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. 2.5 Crore

   **PDC:** July 2018

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

7. **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.

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

   **PDC:** July 2018

   **Action:** State Govt.

8. **Control Tower:**

   It is proposed to construct a Pre-engineered/Pre-fabricated ATC tower with control room size of 5.40 mtrx5.40 mtr at a height of 6.30 mtr. with lightening /surge protection, earthing, RF/Data cable ducts etc. and same is in process of procurement.

   **PDC:** July 2018

   **Action:** Engineering/ CNS/ RED, NR, AAI

9. **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.
10. **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

11. **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
12. **Airspace Management perspective and removal of obstacles:**

Airspace over Chitrakoot Airport is restricted Airspace (identified as VIR157) therefore, prior permission will be required from IAF/ concerned authorities to use its Airspace. In addition to above, 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.

After receiving the OLS study, the marking of the identified obstacles like buildings, towers, trees, HT Lines (if any) shall be carried out by State Govt. and action for removal of same will be taken-up by Govt. of Uttar Pradesh.

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

**PDC:** April 2018

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

13. **Fire Services:**

Fire and rescue services shall be provided by State Govt. Fire Department on requirement basis. The city fire Brigade may be utilized for RFFS during the flight operations.

In-order to commencement of operation immediately at the Airport below mentioned infrastructure works and facilities are immediately required:

- The balance work of incomplete/ under construction fire station and underground static tank of one lakh liter capacity shall be completed for utilizing them for aircraft operation.
- Construction of connecting roads from fire station to Runway shall be done.
- Before commencement of operation an overhead tank should be constructed to avoid water supply shortage.
- At present the transformer is placed very close to Fire Station, the same shall be relocated to another place in the premises.
- ARFF competent firefighting crew along with fire extinguishing media for category- IV is required to be commissioned before commencement of operation.
- The city fire Brigade personal shall have to be suitably trained for Aviation firefighting. Training of the State Govt. Fire and Rescue crew shall be ensured.
- 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.

The balance work of Fire Station shall be done by State Govt. However, the equipment’s and transport facilities shall be procured / arranged by AAI and shall be provided to State Govt. on rental basis.

**PDC:** July 2018

**Action:** State Govt./ RED, NR, AAI
14. **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

15. **Electrical works:**  
The dedicated 11KV HT supply with 11 KV/415 Volt Transformer is required with LT metering connection from UPPCL. The space is also required for installation of AMF Panel, LT Panel and Sub-station equipment’s.

(1) The standby power supply source i.e. DG set 63 KVA 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 Installation in signaling area i.e. Windsock, Landing T etc.
(10) Electrical fitting & fixtures for new proposals / requirements by CNS, ATC, 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: Rs. 2.00 Crore  
**PDC:** July 2018.

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

16. **Removal of T&P and unwanted material:**  
The State Govt. shall remove all the Trucks, Dumpers, Hot Mix Plant and aggregate etc, laying near apron and basic strip. In addition to this all the other temporary structures and unwanted material shall also be removed from Aerodrome, if any.

**Action:** State Govt.

17. **Meteorology:**  
Met observatory 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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DGM (CNS-P)

Sh. S. Ghosh
AGM (Str.)

Sh. Ravi Saini
AGM (ATM)

Sh. R K Shami
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