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Following supplement is issued for information, guidance and necessary action.

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AIRPORTS AUTHORITY OF INDIA

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DEVELOPMENT WORKS (OUTSIDE OPERATIONAL AREA)

LAL BAHADUR SHASTRI AIRPORT, VARANASI (VEBN)

1. INTRODUCTION

This is to inform the internal and external stakeholders regarding the execution of the following developments works (outside existing boundary of operational area) planned at Lal Bahadur Shastri International Airport, Varanasi:

- i) Runway Extension work for Runway 09 end.
- ii) RESA for Runway 27 (240m x 90m) & Blast Pad for Runway 09 (60m x 60m).
- iii) Works related to provision of Graded strip and Drainage.
- iv) Construction of portion of New Parallel Taxi Track, new Connecting Taxiway and Portion of New RET.
- v) New installation of Airfield Ground Lights (AGL) for Runway 09/27.
- vi) Provision of SALS for RWY09.
- vii) Construction of New Apron.
- viii) Refer Annexure I and Annexure II or detailed work and the location of the work area.
- ix) Any change to the contents of this AIP Supplement will be notified through NOTAM.

2. RUNWAY EXTENSION WORK FOR RUNWAY 09 END (1404M)

- i) The Runway has to be extended by 1704 meters towards west from existing beginning of Runway 09. The approximate 1404 meters of runway extension work has to be executed outside existing boundary of operational area. Hence inside this area work will be carried out 24/7.
- ii) Heighted equipment shall be restricted up to 4m. If any equipment has to erect/operate above the height of 4 m up to 5m, it shall be done with approval from Varanasi ATC.
- iii) The work area and deployed machinery will be marked and lighted as per DGCA CAR Section 4 Series B Part 1. The work area shall be marked and lighted by placing barricades/ markers/ obstruction lights.
- iv) The illumination of the work area during the night shall be done by deploying portable lights which shall be facing downwards to avoid glare to the flight crew.
- v) All the machineries deployed shall remain clear of Obstacle Free Zone (OFZ) of runway 09/27.
- vi) Pilot to exercise caution for Men & Materials during landing and take-off.
- vii) All the proposed work will be carried out in such a way that all men, machine and material will be clear of operational area. Aircraft operations will not be affected during the work.
- viii) The remaining portion of 300 meters of Runway extension work shall be carried out inside operational area and will be carried out during hours of aerodrome closure which shall be notified through AIP Supplement/NOTAM issued in this regard.
- ix) During merger of extended portion of runway with existing runway, existing SALS 420 m Approach lighting system for Runway 09 will be TEMPORARILY withdrawn.
- x) During merger of extended portion of runway with existing runway, non-standard RESA for RWY27 of dimension 90x90m shall be provided. Existing RESA for RWY27 will not be available.

3. RESA FOR RWY 27 (240M X 90M) & BLAST PAD FOR RUNWAY 09 (60M X 60M)

- i) Since the work area is outside existing boundary of operational area, work will be carried out 24/7.

4. WORKS RELATED TO PROVISION OF GRADED STRIP AND DRAINAGE

- i) Grading of runway strip up to 105 m from runway centerline of Runway 09/27 (for newly extended portion outside operational area) will be carried out 24/7.
- ii) Grading of runway strip work shall be carried out to meet the CBR value of 15 - 20 as compliant to DGCA CAR Section 4 Series B Part 1.
- iii) Compliant slope will be provided in the graded portion of runway strip.
- iv) The work area and deployed machinery will be marked and lighted as per DGCA CAR Section 4 Series B Part 1 standards.
- v) Machinery deployed shall remain clear of Obstacle Free Zone (OFZ) of Runway 09/27.
- vi) Drainage works is planned to integrate existing drainage system with the proposed drainage system to have an efficient, effective, maintainable, and cost optimized drainage infrastructure.

5. CONSTRUCTION OF PORTION OF NEW PARALLEL TAXI TRACK, CONNECTING TAXIWAY AND PORTION OF NEW RET

- i) Work for construction of Portion of New Parallel Taxi Track and New Connecting Taxiway (mouth of which shall be connected with new Threshold of RWY09) and Portion of new Rapid Exit Taxiway shall be carried out 24/7, no impact on operational area and existing facilities.
- ii) New Parallel Taxi Track shall be connected with a Taxiway, Mouth of which shall be connected with new Threshold of RWY09.
- iii) Some portion of RET Stub for this new RET lies inside existing operational area hence the work for construction of that portion shall be carried out during hours of aerodrome closure notified through AIP Supplement/NOTAM.
- iv) Yellow Cross Marking will be provided on all the newly constructed Taxiways and Parallel Taxi Track till commissioning.

- 6. NEW INSTALLATION OF AIRFIELD GROUND LIGHTS (AGL) FOR RUNWAY 09/27.**
- i) Construction of primary and associated duct banks for the Airfield Ground Lights (AGL) in extended portion of Runway 09/27.
 - ii) New AGL chambers will be constructed for Runway 09/27 for laying of cables as associated with AGL upgradation work (for provision of CAT III Compliant lighting system).
- 7. PROVISION OF SALS FOR RWY09.**
- i) Since the work area is outside existing boundary of operational area, work will be carried out 24/7.
- 8. CONSTRUCTION OF NEW APRON.**
- i) Construction of New Apron on south side of RWY will accommodate 02 code-E, 15 code-C & 01 code-B aircraft.
 - ii) This also includes the design, supply, installation, testing, commissioning, and integration of fully functional and maintainable Advanced Visual Docking Guidance System (AVDGS) and installation of AGL.
 - iii) 8 New PBBs will also be installed.
 - iv) The work area for construction of New Apron is outside existing boundary of operational area hence the work will be carried out 24/7.
 - v) Heighted equipment shall be restricted up to 4m. If any equipment has to erect/operate above the height of up to 5m, it shall be done with approval from Varanasi ATC.
 - vi) The work area and deployed machinery will be marked and lighted as per DGCA CAR Section 4 Series B Part 1. The work area shall be marked and lighted by placing barricades/ markers/ obstruction lights.
 - vii) The illumination of the work area during the night shall be done by deploying portable lights which shall be facing downwards to avoid glare to the flight crew.
 - viii) All the machineries deployed shall remain clear of Obstacle Free Zone (OFZ) of runway 09/27.
 - ix) The concrete mix plant (or batching plant) used for construction of New Apron has been set-up after obtaining the NOC. The batching plant will be marked and lighted as per DGCA CAR Section 4 Series B Part 1.



