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

sd/-
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AIRPORTS AUTHORITY OF INDIA

[VALIDITY: FM 11 JUL 2024, 0000 UTC TO 31 JUL 2025, 1830 UTC]

AIRSIDE DEVELOPMENT WORKS
LOKPRIYA GOPINATH BORDOLOI INTERNATIONAL AIRPORT
GUWAHATI (VEGT)

1 INTRODUCTION

This is to inform the internal and external stakeholders regarding the execution of the following Airside developments works planned at Lokpriya Gopinath Bordoloi International Airport, Guwahati:

- i. Runway Extension 557m work for runway 02 end.
- ii. RESA for Runway 02 (240m x 90m) & Blast Pad for Runway 20 (57m x 60m).
- iii. Works related to provisioning Graded strip and Drainage.
- iv. Construction of portion of Part Alpha (New Parallel Taxi Track) and A15 Taxiway.
- v. Construction of portion of RET stubs A9 & A10 for Runway 02.
- vi. New installation of Airfield Ground Lights (AGL) for runway 02-20.
- vii. Construction of Precision approach lighting system (ALS) CAT-I of Approach runway 02.

2 RUNWAY EXTENSION WORK FOR RUNWAY 02 END (557M)

(Till 30 Nov 2024)

- 2.1 Work shall be carried out up to 260m from the existing Runway 20 threshold area which has operational restrictions and hence the time limited closure of runway 02-20 daily between 1900 UTC to 0000 UTC for planned work.
- 2.2 Beyond 260 m from the existing Runway 20 threshold area, in which work can be carried out 24/7 in coordination with ATC, Guwahati and area has been converted to landside.
- 2.3 The existing SALS 420 m Approach lighting system for runway 20 is TEMPORARILY withdrawn till commissioning of New SALS 420 m for runway 20.
- 2.4 No construction work is planned on the existing full-strength pavement of runway.
- 2.5 The Location of runway extension work area is from edge of existing full-strength pavement of the runway 02/20 towards North.
- 2.6 A temporary ramp length of 20m with 1.5% slope will be provided from the existing runway 20 threshold. Approximately 300mm level difference shall exist during construction of the pavement in this phase.
- 2.7 The level difference if any between existing and newly laid surface will be backfilled by laying sandbags up to top level.
- 2.8 To cater for operational requirements beyond closure period, RESA 90m x90m and 60m strip distance for runway 02 will be available.
- 2.9 The work area shall be marked and lighted by placing obstruction light for easy identification and White Cross marking will be provided in the extended part till commissioning of extended runway.
- 2.10 Refer Chart-1 & 3 for location of work area for construction of Runway Extension work of runway 20 from existing runway 20 threshold area.

3 RESA FOR RWY 02 (240M X 90M) & BLAST PAD FOR RUNWAY 20 (57M X 60M)

(Till 30 Nov 2024)

- 3.1 Work shall be carried out 24/7 in coordination with ATC, beyond the extended portion of the runway 557mtr from existing Threshold of RWY 20.
- 3.2 No construction work is planned on the existing full-strength pavement of the runway.
- 3.3 The emergency fire access road connecting runway and perimeter road will be kept clear of 90m x 90m dimensions of RESA for runway 02.

4 WORKS RELATED TO PROVISIONING GRADED STRIP AND DRAINAGE.

(Till 31 Jul 2025)

- 4.1 Grading of runway strip up to 105 m from runway centerline of runway 02-20 will be carried daily between 1900 UTC to 0000 UTC for planned work activities.

- 4.2 Upgradation and grading of runway strip work shall be carried out to meet the CBR value of 15 - 20% as compliant to DGCA CAR 4B1.
- 4.3 Compliant slope will be provided in the graded portion of runway strip.
- 4.4 Grass cutting and associated works shall be carried out in coordination with ATC, Guwahati 24/7.
- 4.5 The work area and deployed machinery will be marked and lighted as per ICAO & DGCA CAR 4B1 standards.
- 4.6 Machinery deployed shall remain clear of Obstacle Free Zone (OFZ) of runway 02-20.
- 4.7 Refer Chart -2 for location of work area of Grading strip and drainage of runway.

5 CONSTRUCTION OF PORTION OF PART ALPHA (NEW PARALLEL TAXI TRACK) AND A15 TAXIWAY. (TILL 30 NOV 2024)

- 5.1 Work for construction of Part Alpha (New Parallel Taxi Track) and A15 Taxiway shall be carried out 24/7, no impact on operational area and existing facilities.
- 5.2 The existing taxiway 'G' is not affected by Part Alpha (New Parallel Taxi Track) construction work as it is 40m clear from Taxiway G edge.
- 5.3 Refer Chart - 2 for location of work area of Part Alpha (New Parallel Taxi Track).
- 5.4 Part Alpha (New Parallel Taxi Track) shall be connected with A15 Taxiway. Mouth of A15 shall be connected with new runway 20 threshold. Yellow Cross Marking will be provided till commissioning.
- 5.5 Refer Chart – 1, 3 (a) for location of work area of Part Alpha (New Parallel Taxi Track) & A15 taxiway.

6 CONSTRUCTION OF PORTION OF RET STUBS A9 & A10 FOR RUNWAY 02. TILL 31 JULY 2025.

- 6.1 Work shall be carried out during the time limited closure of runway 02-20 daily between 1900 UTC to 0000 UTC for planned work activities.
- 6.2 Construction of RET Stub A9 & A10 work up to 90mtrs. from runway center line (perpendicular distance) in progress to enable the joining of RET with the proposed parallel taxiway "Alpha". Yellow Cross Marking will be provided till commissioning along with the proposed parallel taxiway.
- 6.3 Pilot to exercise caution while landing, take-off and taxing for Men & Materials.
- 6.4 Level difference if any between existing and newly laid surface will be backfilled by laying sandbags up to top level. Making available ramp slope from surface of runway edge in Longitudinal (parallel to runway center line) is 1.5% and transverse (Perpendicular to center line) is 2.5% at mouth connected with runway surface and 5% after 90m from center line.
- 6.5 Refer Charts 3(a) & 3(b) for location of work area for portion of RET stub A9 & A10 for Runway 02.

7 NEW INSTALLATION OF AIRFIELD GROUND LIGHTS (AGL) FOR RWY 02-20.

(TILL 28 FEB 2025)

- 7.1 Construction of primary and associated duct banks for the Airfield Ground Lights (AGL) of runway 02-20 away from the existing declared runway strip.
- 7.2 Any works inside 105 m from runway center line will be carried out in closure of runway 02-20 daily between 1900 UTC to 0000 UTC for planned work activities.
- 7.3 Continuation Works of duct banks beyond 105m from center line of runway 02-20 will be carried out 24/7 in coordination with ATC, Guwahati.
- 7.4 New AGL chambers will be constructed for runway 02-20 for laying of cables as associated with AGL upgradation work.
- 7.5 Pilot to exercise caution for Men & Materials during landing and take-off.
- 7.6 Refer Chart - 4 for location of construction of primary and associated duct banks for the Airfield Ground Lights (AGL) of runway 02-20.

8 CONSTRUCTION OF PRECISION APPROACH LIGHTING SYSTEM (ALS) CAT-I OF APPROACH RUNWAY 02.

- 8.1 The existing 180 meters ALS will be permanently withdrawn till commissioning of the newly installed CAT-I Barrette type Approach Lighting System for runway 02.
- 8.2 For Work area Zone 'C' from 900m up to 300m of PALS works are located inside the Indian Air force and Revenue Land area, which is outside existing airport boundary area. Heighted equipment restricted up to 4m and work will be carried out 24/7.
- 8.3 For Work area Zone 'B' from 270m up to 210m length PALS civil works will be carried out during the time limited closure of runway 02-20 daily between 1900 UTC to 0000 UTC for work activities is planned. Heighted equipment operations will be carried out during this time only.
- 8.4 Starting from 180 meters up to RWY02 threshold area PALS works will be carried out in time limited closure during 1900 UTC to 0000 UTC. Hence, no effect on aircraft operations.
- 8.5 No construction work is planned on the existing full-strength pavement of runway. RESA for runway 20 will be available with compliant strength & dimensions of 90m x 90m.
- 8.6 Refer Chart - 5 for zone wise location of work area for construction of Precision Approach lighting system (PALS) CAT-I of approach runway 02.

Chart 1 Runway Extension 557m from existing threshold runway 20, New Blast Pad(57m X 60m) for runway 20, New Taxi Link A15 and New Parallel Taxiway track (Part Alpha).

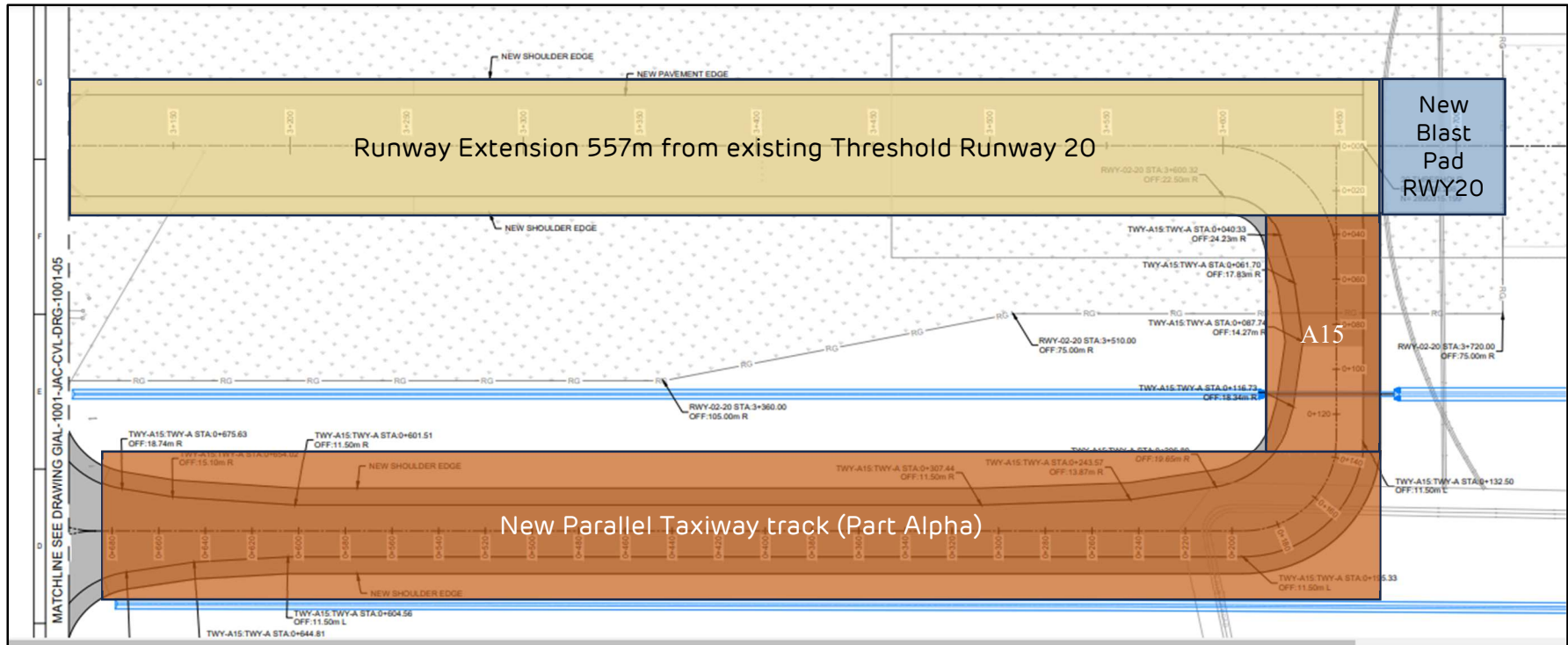


Chart 3 (a) Construction of RET Stubs links A9 and A10, & New Part parallel Alpha Taxiway with A15 taxiway.

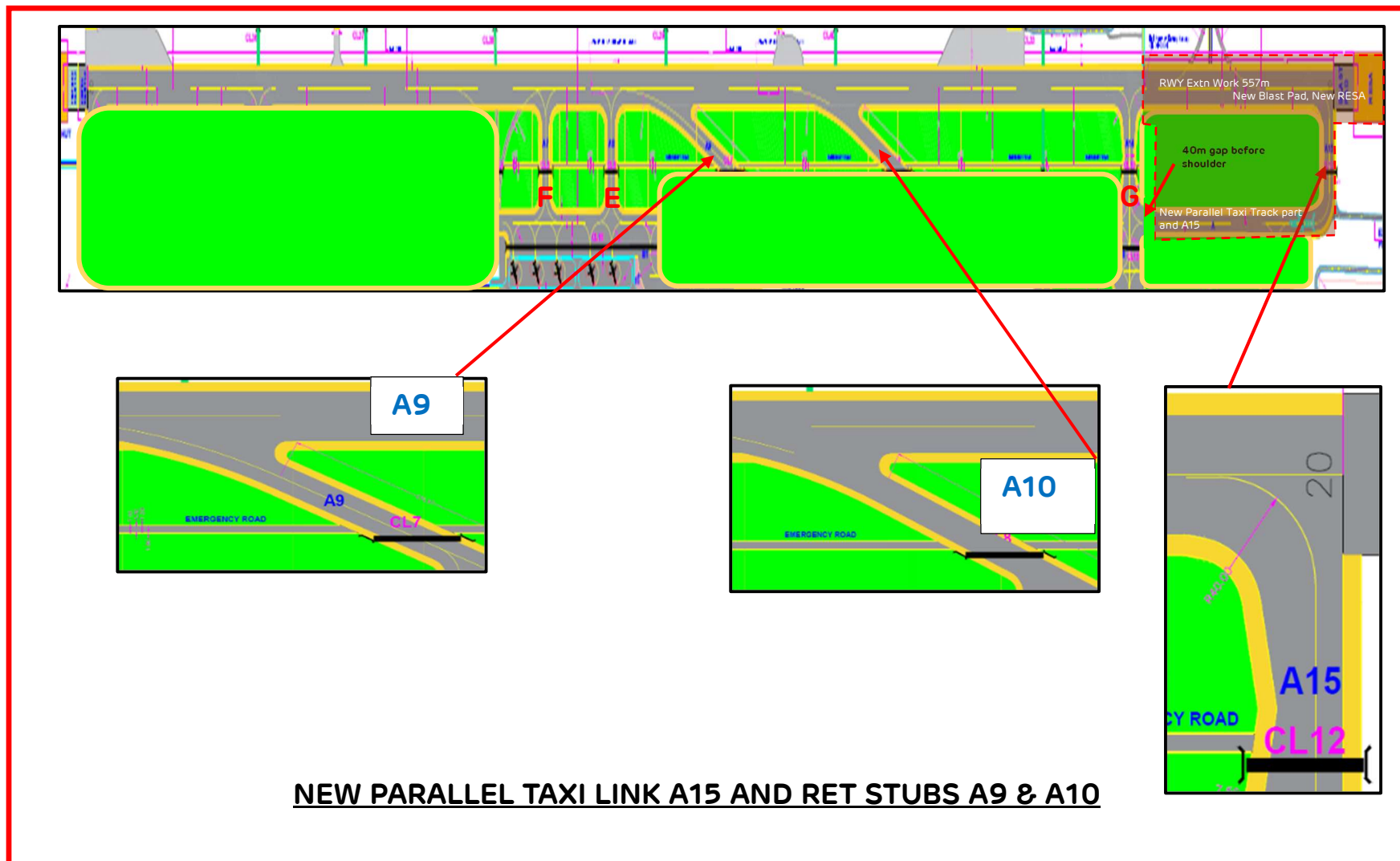


Chart 3 (b) Geometry Layout of RET Stubs during constructions works.

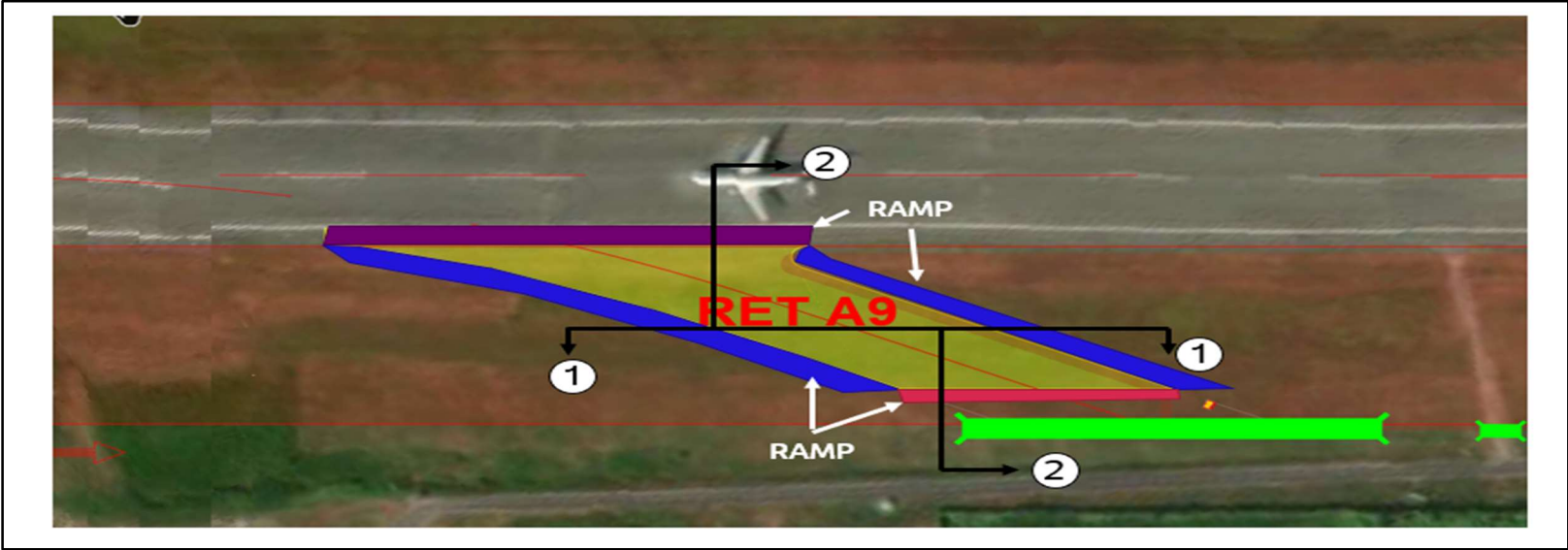
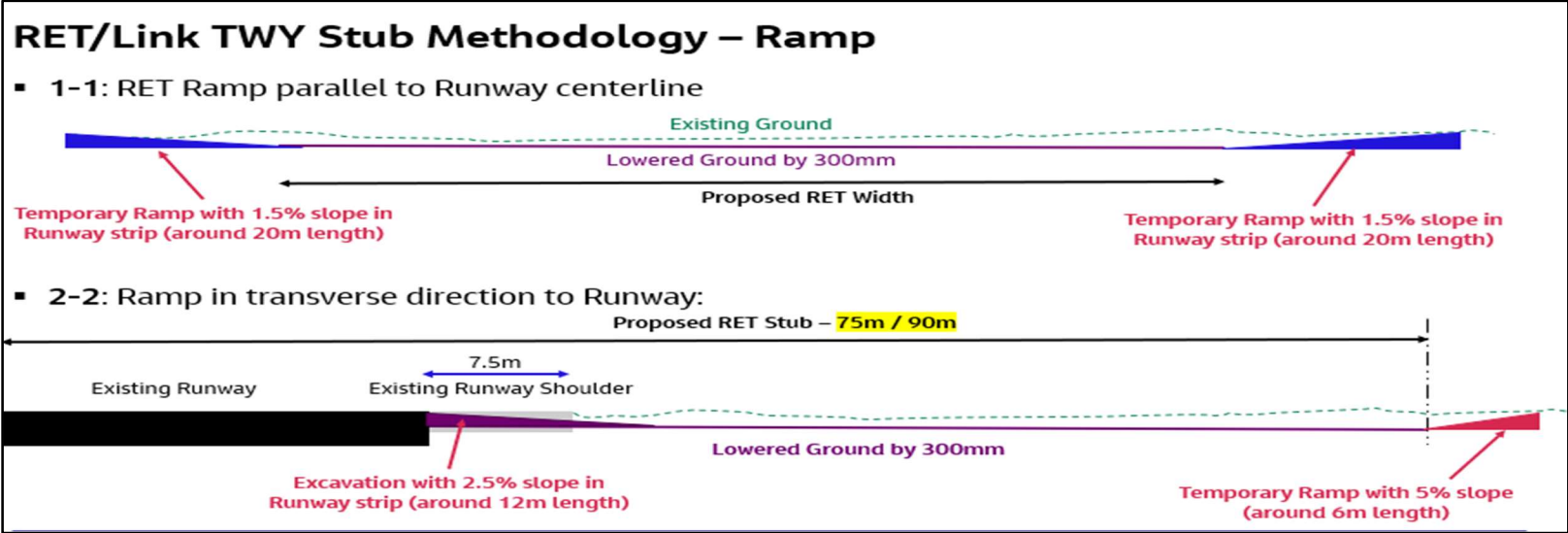


Chart 4 Airfield Ground Lighting (AGL)

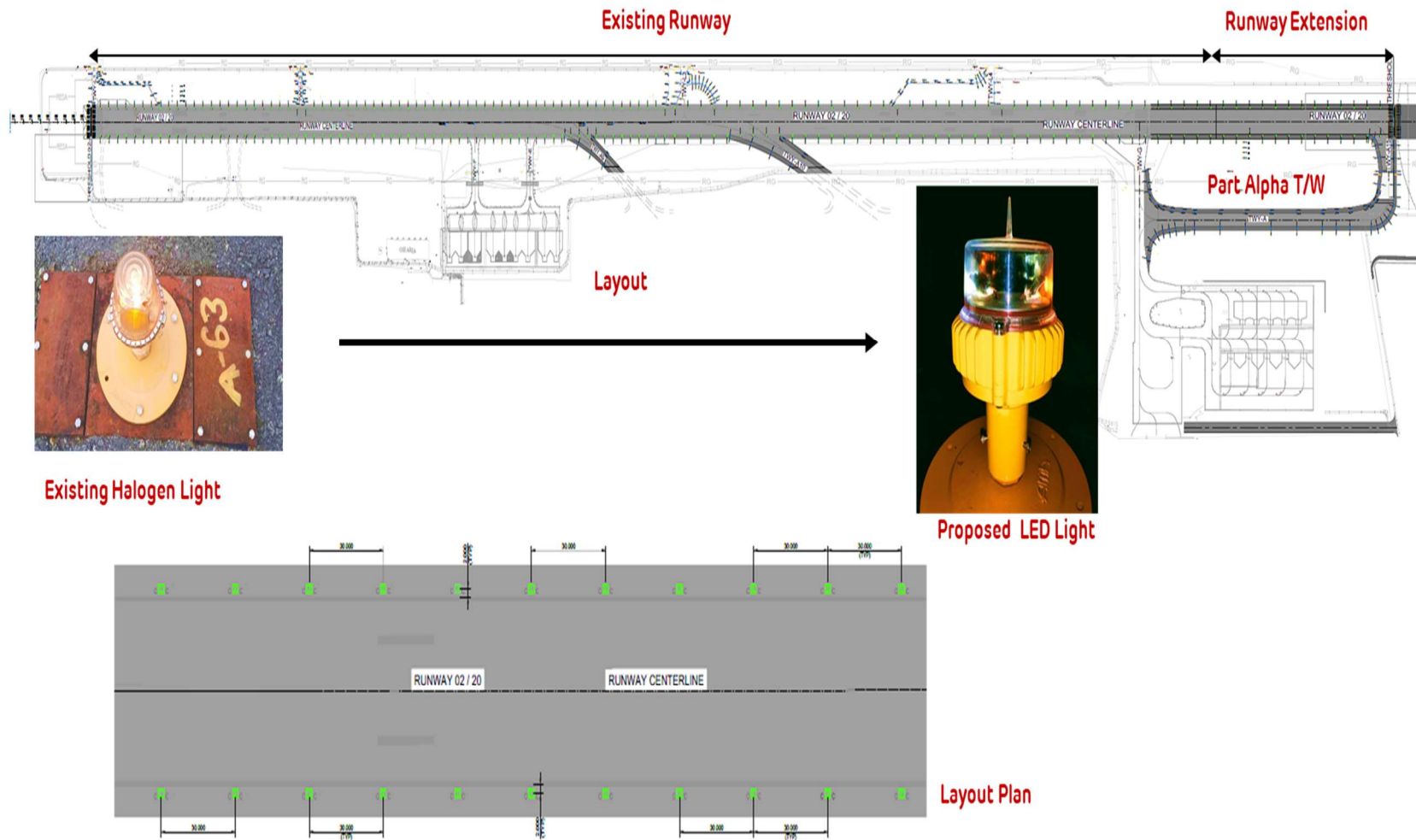
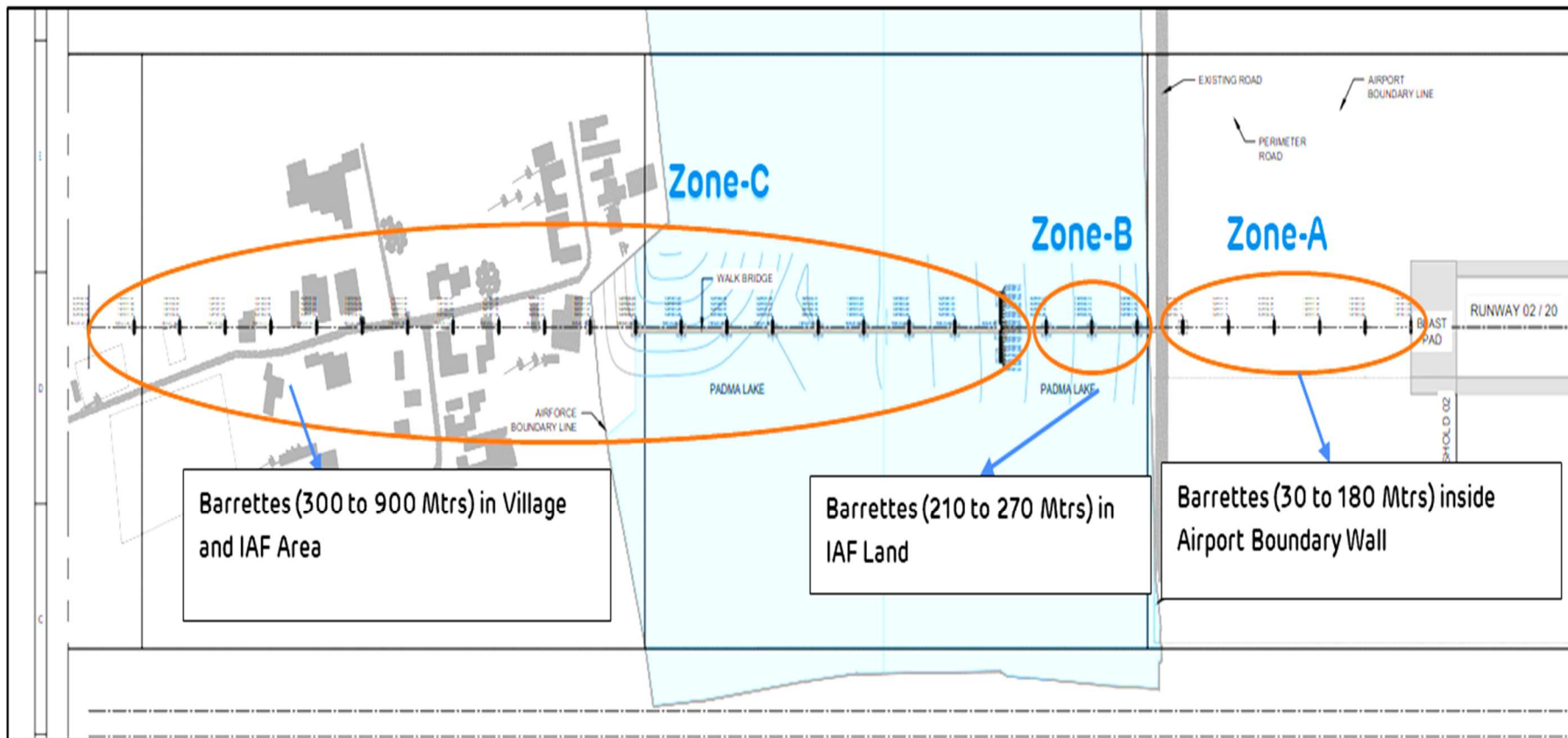


Chart 5 Work area for construction of Precision Approach lighting system (PALS) CAT-I of approach runway 02



CAT-I Barrette Type ALS Layout Plan