

রেজিস্টার্ড নং ডি এ-১

বাংলাদেশ



গেজেট

অতিরিক্ত সংখ্যা
কর্তৃপক্ষ কর্তৃক প্রকাশিত

মঙ্গলবার, অক্টোবর ২৯, ২০২৪

[বেসরকারি ব্যক্তি এবং কর্পোরেশন কর্তৃক অর্থের বিনিময়ে জারীকৃত বিজ্ঞাপন ও নোটিশসমূহ]

Civil Aviation Authority of Bangladesh

Gazette

Dhaka, 7 th Vadro,1431/ 22August, 2024

File No: **CAAB 30.31.0000.116.43.002.23**—In exercise of the power conferred by Section 47, read with Section 14 of the Civil Aviation Act, 2017 (Act No. 18 of 2017), hereinafter referred as the “Act”, the Chairman of the Civil Aviation Authority of Bangladesh is pleased to issue the following Air Navigation Order (ANO).

2. It shall come into force immediately upon published in this Official Gazette.

AIR VICE MARSHAL MD MONJUR KABIR BHUYAN

BUP, ndc, nswc, afwc, psc, GD(P)

Chairman

Civil Aviation Authority of Bangladesh.

(২৭৮৭৯)

মূল্য : টাকা ২৪.০০

Chapter 1

GENERAL

1.1 Short Title and Commencement

This Air Navigation Order (ANO) may be called the ANO on Licensing of Domestic Aerodrome/Airports issued under the authority of Section 3 of the Civil Aviation Act 2017 and referred herein as the “ANO 14 -04” Issue-1. This ANO shall be effective immediately upon published in this Official Gazette.

Introductory Note.—ANO 14-04, contains provisions & specifications that prescribe the physical characteristics and obstacle limitation surfaces to be provided at a domestic Aerodrome/Airport and certain facilities and technical services normally to be provided at a domestic Aerodrome/Airport. It is not intended that these specifications limit or regulate the operation of an aircraft.

Legislative Authority: Section 3 of CA Act 2017 states that—

- (1) No airport or aerodrome shall be operated without a license and a certificate, as the case may be.
- (2) For obtaining a license and a certificate, as the case may be, for airport or aerodrome, an application shall have to be made to the Chairman in such manner and subject to such conditions as may be prescribed.
- (3) Upon receipt of an application under sub-section (2), if the Chairman is satisfied that the relevant airport or aerodrome has met the prescribed conditions, he shall issue a license and a certificate, as the case may be, to it.

1.2 Applicability, Definitions and Abbreviations

1.2.1 Applicability

1.2.1.1 The provisions of this ANO shall be applicable for the issuance and renewal of license for a domestic Aerodrome or Airport.

1.2.1.2 The interpretation of some of the specifications in the ANO expressly requires the exercising of discretion, the taking of a decision or the performance of a function by the Chairman, CAAB. In other specifications, the expression the Chairman does not actually appear although its inclusion is implied. In both cases, the responsibility for whatever determination or action is necessary shall rest with the Chairman.

1.2.1.3 The specifications, unless otherwise indicated in a particular context, shall apply to all domestic aerodromes open to public use. The specifications of ANO 14, Volume I, Chapter 3, shall apply only to land aerodromes.

1.2.2 Definitions

Note: ANO-14, Volume-I contain definitions for the terms which are used in this ANO. Those definitions are not reproduced in this ANO 14-04, with the exception of the following, which are included for ease of reference:

- (a) **“Aerodrome License”** means a license issued by the Chairman under this ANO for operation of a domestic aerodrome or airport;
- (b) **“Aerodrome Manual”** means a manual included in an application for aerodrome certificate or license as appropriate and include any amendments to the manual accepted by the Chairman.
- (c) **"Aerodrome Operator"** means in relation to certified or licensed aerodrome, as appropriate, the aerodrome certificate or license holder;
- (d) **"Licensed Aerodrome"** means a domestic aerodrome or airport whose operator has been granted an aerodrome license;

1.2.3 Abbreviations and Symbols

<u>Abbreviations</u>	<u>Abbreviations</u>
+ACN Aircraft classification number	mnm Minimum
++ACR Aircraft classification rating	MN Meganewton
ADP Airside driver permit	MPa Megapascal
AIP Aeronautical information publication	MSL Mean sea level
APAPI Abbreviated precision approach path indicator	NFZ Normal flight zone
aprx Approximately	NM Nautical mile
ARIWS Autonomous runway incursion warning system	NU Not usable
ASDA Accelerate-stop distance available	OCA/H Obstacle clearance altitude/height
ATS Air traffic services	OFZ Obstacle free zone
AT-VASIS Abbreviated T visual approach slope indicator system	OLS Obstacle limitation surface
	OMGWS Outer main gear wheel span
	PAPI Precision approach path indicator
	+PCN Pavement classification

C Degree Celsius	number
CBR California bearing ratio	++PCR Pavement classification rating
cd Candela	RESA Runway end safety area
CIE Commission Internationale de l'Éclairage	RFF Rescue and firefighting
cm Centimetre	RVR Runway visual range
CRC Cyclic redundancy check	SMS Safety management system
DME Distance measuring equipment	TODA Take-off distance available
E Modulus of elasticity	TORA Take-off run available
FOD Foreign object debris	T-VASIS T visual approach slope indicator system
ft Foot	VMC Visual meteorological conditions
ILS Instrument landing system	VOR Very high frequency omnidirectional radio range
IMC Instrument meteorological conditions	WHMP Wildlife hazard management programme
K Degree Kelvin	WIP Work in progress
kg Kilogram	
km Kilometre	
km/h Kilometre per hour	
kt Knot	<u>Symbols</u>
L Litre	° Degree
LCFZ Laser-beam critical flight zone	= Equals
LDA Landing distance available	' Minute of arc
LFFZ Laser-beam free flight zone	μ Friction coefficient
LSFZ Laser-beam sensitive flight zone	> Greater than
m Metre	< Less than
max Maximum	% Percentage
MLS Microwave landing system	± Plus or minus
mm Millimetre	

†
Applicable until 27 November 2024.

HH
Applicable as of 28 November 2024

Chapter 2

Licensing of Domestic Aerodromes or Airport

2.1 The operator of a domestic Aerodrome or Airport as the case may be, shall be in possession of a license called Aerodrome License.

2.2 An applicant may apply to the Chairman for an aerodrome license for authorising the applicant to operate a domestic aerodrome or airport at the place specified in the application. Such application must be in an approved form (**Appendix A**) and include 2 (two) copies of the aerodrome manual.

2.3 Chairman may approve an application submitted under Art.2.2 and grant an aerodrome license to the applicant. Chairman may establish a committee to assess the application and recommendation for licencing of aerodromes being satisfied that.

- (a) the aerodrome facilities, services and equipment are in accordance with the Standards as specified in ANO-14 Vol-I;
- (b) the aerodrome's operating procedures make satisfactory provision for the safety of aircraft;
- (c) an aerodrome manual, as specified in Chapter-3, has been prepared that contains all relevant information for the applicant's domestic aerodrome or airport and submitted as per Chapter- 3 of this ANO; and
- (d) the applicant will be able to operate and maintain the aerodrome or airport properly.

2.4 The Chairman may refuse to grant an aerodrome license giving the applicant a written notice of the refusal, and the reasons for it.

2.5 The Chairman—

- (a) may grant an aerodrome license subject to any conditions necessary in the interests of safety;
- (b) shall give written notice to the applicant of the reasons for any conditions applied to the license;
- (c) shall set out a condition in an endorsement on the license or otherwise notified in writing to the license holder.

2.6 A license issued under this ANO shall not be varied or altered in any manner without the written permission of the Chairman.

2.7 An aerodrome license shall remain in force for 2 (two) years or until it is suspended or cancelled, whichever is earlier.

2.8 The Chairman may suspend or cancel an aerodrome license if there are reasonable grounds for believing that:

- (a) condition to which the license was subject has been breached;
- (b) the aerodrome facilities, operations or maintenance are not of the standard required in the interests of the safety of air navigation.

2.9 Before suspending or cancelling an aerodrome license, the Chairman shall give to the holder a notice that sets out the facts and circumstances that appear to justify the suspension or cancellation and invites the holder to show cause, in writing and within a reasonable period, why the license should not be suspended or cancelled.

2.10 The Chairman shall take into account any reasons the holder provides within the time allowed prior to making a decision about suspension or cancellation. Notice of suspension or cancellation has effect on the day it is served on the aerodrome license holder.

2.11 The Chairman may, after being satisfied that the requirement of Arts. 2.3, 3.5 and 3.6(a) of this ANO are fulfilled, amend the aerodrome license where—

- (a) there is a change in the management of the aerodrome operator;
- (b) there is a change in the use or operation of the aerodrome;
- (c) there is a change in the boundaries of the aerodrome; and
- (d) the holder of the aerodrome license requests the amendment.

2.12 Subject to the provisions of this ANO, the Chairman may from time to time issue instructions and orders for ensuring safe, secured, regular and efficient operation and management of all domestic aerodromes or airports.

2.13 When instructed by the Chairman, the operator of a licensed domestic aerodrome shall implement a safety management system, that is acceptable to the Chairman and as a minimum:

- (a) identifies safety hazard;
- (b) ensures that remedial action necessary to maintain an acceptable level of safety is implemented;
- (c) provides for continuous monitoring and regular assessment of the safety level achieved; and
- (d) aims to make continuous improvement to the overall level of safety.”

Chapter- 3

Aerodrome Manual

3.1 The operator of a licensed aerodrome must have a manual, to be known as the Aerodrome Manual, for the aerodrome.

3.2 The Aerodrome Manual shall—

- (a) be typewritten or printed and signed by the aerodrome operator;
- (b) be in a format that is easy to revise;
- (c) have a system for recording the currency of pages and amendments, thereto, and should include a page for logging revisions; and
- (d) be organized in a manner that will facilitate the preparation and review processes.

3.3 The aerodrome operator must provide the Chairman or person authorised by him with a complete and current copy of the aerodrome manual, and must keep at least one complete and current copy of the aerodrome manual at the aerodrome in printed form. Other copies of the manual may be held in electronic form. However printed copies shall be distributed to them mentioned in distribution list in the Aerodrome Manual.

3.4 The operator of a licensed aerodrome must include the particulars in an aerodrome manual as specified by Chairman.

3.5 If the Chairman exempts the aerodrome operator from complying with any requirement set out in Chapter 5, the aerodrome manual must show the identifying number given to that exemption by the Chairman and the date the exemption came into effect and any conditions or procedures subject to which the exemption was granted.

3.6 If a particular information is included in the aerodrome manual because it is not applicable to the aerodrome the aerodrome operator must state in the manual—

- (a) that the particular is not applicable; and
- (b) the reason for non-applicability.

3.7 The operator of a licensed aerodrome must alter or amend the Aerodrome Manual whenever necessary, in order to maintain the accuracy of the manual;

3.8 The operator of a licensed aerodrome shall review the aerodrome manual periodically at least once in a year.

3.9 To maintain the accuracy of the Aerodrome Manual the Chairman or person authorised by him may issue written directives to the aerodrome operator to alter or amend the manual in accordance with the direction.

3.10 An aerodrome operator must notify the Chairman, as soon as practicable of any alterations that the operator wishes to make to the Aerodrome Manual.

3.11 The Chairman or person authorised by him shall approve the aerodrome manual and any amendments thereto provided these meet the requirements of the other provisions of this ANO.

3.12 The operator of a licensed aerodrome shall maintain a record for the holder of each copy of the aerodrome manual, in whole or in part, and shall provide updates of the manual appropriately to all the holders.

Chapter—4

Obligations of the Aerodrome Operator

4.1 The aerodrome operator shall comply with the standards specified in ANO-14 Vol-I and with any conditions endorsed in the license pursuant to sub-article 2.5 and provisions of Chapter 5 of this ANO.

4.2 The operator of licensed aerodrome shall ensure that the operations and maintenance of the aerodrome are carried out with a reasonable degree of care and diligence.

4.3 The aerodrome operator shall employ adequate numbers of qualified and skilled personnel for performing all critical activities in the aerodrome operation and maintenance processes.

4.4 Where the Chairman has prescribed competency certification requirement for personnel referred to in Art 4.3, the aerodrome operator shall employ only those persons possessing such certificates.

4.5 The aerodrome operator shall implement a programme to upgrade the competency of the personnel referred to in Art. 4.3.

4.6 Subject to any directives that the Chairman may issue, the aerodrome operator shall operate and maintain the aerodrome in accordance with the procedures set out in the aerodrome manual.

4.7 To ensure the safety of aircraft, the Chairman may give written directives to an aerodrome operator to alter the procedures set out in the aerodrome manual.

4.8 Subject to Art 2.13 the aerodrome operator shall establish a safety management system of the aerodrome describing the structure of the organization and the duties, powers and responsibilities of the officials in the organizational structure, with a view to ensuring that operations are carried out in demonstrably controlled way and are improved where necessary.

4.9 The aerodrome operator shall oblige all the users of the aerodrome including organization which perform activities independently at the aerodrome in relation to flight or aircraft handling, to comply with requirements laid down by the aerodrome operator with regard to safety and order at the aerodrome, and shall monitor such compliance.

4. 10 The aerodrome operator shall oblige all the users of the aerodrome including all organizations referred to in Art. 4.9 to co-operate in the programme to promote safety, and the safe use of the aerodrome by immediately informing it of the accidents, incidents, defects and faults which have bearing on safety.

4.11 The aerodrome operator shall arrange for an audit and inspection of the aerodrome facilities and equipment. The audit shall cover the aerodrome operator's own functions. The aerodrome operator shall also arrange an external audit and inspection programme for evaluation of other users including all organizations working at the aerodrome referred to in Art 4.9.

4.12 The audits referred to in Art 4.11 shall endeavor to be carried out every 12 months.

4.13 The aerodrome operator shall ensure that the audit reports including the report on the aerodrome facilities, services and equipment are prepared by suitably qualified safety experts.

4.14 The aerodrome operator shall retain a copy of the reports referred to in Art.4.13 for a period of at least three years.

4.15 The reports referred to in Art. 4.13 shall be prepared and signed by the persons who carried out the audit and inspection.

4.16 Personnel authorized by the Chairman may inspect and carry out tests on the aerodrome facilities, services and equipment inspect aerodrome operators documents and records and verify when applicable, the aerodrome operator's safety management system before the aerodrome license is granted or renewed and subsequently, at any other time, for the purpose of ensuring safety and order at the aerodrome.

4.17 An aerodrome operator shall, allow access to the personnel, authorized by the Chairman as referred in Art. 4.16, to any part of the aerodrome or, any aerodrome facility, including equipment records, documents and operator's personnel for the purpose referred to in Art. 4.16.

4.18 The aerodrome operator shall co-operate in conducting the activities referred to in Art. 4.16.

4.19 An aerodrome operator shall notify /report as quickly as possible, to the Chairman, Air Traffic Control (if applicable), MFSSR and pilots, of any occurrence, incident and accident occurring within its jurisdiction.

4.20 An aerodrome operator shall review the issue of Aeronautical Information Publication (AIP), AIP Supplements, AIP Amendments, Notice to Airmen (NOTAMS) Pre-flight Information Bulletins and Aeronautical Information Circulars issued by the AIS section on receipt, thereof and immediately after such reviews, notify Chairman of any inaccurate information contained, therein, that pertains to the aerodrome.

4.21 An aerodrome operator shall notify the Chairman in writing at least 60 days before any change to an aerodrome facility or equipment or the level of service at the aerodrome that has been planned in advance and that is likely to effect the accuracy of the information contained in any Aeronautical Information Service (AIS) publication referred to in Art. 4.20.

4.22 Subject to the requirements of the Art. 4.19 an aerodrome operator shall cause to be received at air traffic control and the flight operations units, immediate notice giving details of any of the following circumstances of which the operator has the information of,

- (a) any projections by an object through an obstacle limitation surface relating to the aerodrome; and
- (b) the existence of any obstruction or hazardous condition affecting aviation safety at or near the aerodrome;
- (c) reduction in the level of service at the aerodrome set out in AIS publications referred to in Art. 4.20;
- (d) closure of any part of the movement area of the aerodrome; and
- (e) any other condition that could affect aviation safety at the aerodrome and against which precautions are warranted.

4.23 When it is not feasible for an aerodrome operator to cause notice of a circumstance referred to in Art. 4.22 to be received at the air traffic control or a flight operations unit, the operator shall give immediate notice directly to the pilot who may be affected by that circumstance.

4.24 An aerodrome operator shall inspect or arrange for inspection of an aerodrome, as the circumstances require, to ensure aviation safety—

- (a) as soon as practicable, after an aircraft accident or incident;
- (b) during any period of construction or/repair of the aerodrome facilities or equipment that is critical to the safety of aircraft operations; and
- (c) at any other time when there are conditions at the aerodrome that could affect aviation safety.

4.25 An aerodrome operator shall remove, or arrange for the removal of other obstructions from the surface of the aerodrome or any vehicle that is likely to be hazardous.

4.26 An Aerodrome operator shall obtain no objection certificate from the following Organizations and submit a copy of each along with the Application for issuance of aerodrome license;

- Ministry of Environment, Forests & Climate change.
- Ministry of Defense,
- Ministry of Home affairs
- City or Municipal corporation; and
- Urban land development board/authority (e.g. RAJUK)

4.27 Where low flying aircraft, at or near an aerodrome, or taxing aircraft are likely to be hazardous to people or vehicular traffic, the aerodrome operator shall—

- (a) post the warning notices of the hazard on any public way that is adjacent to the maneuvering area;
- (b) inform the authority responsible for posting the warning notices on the public way that there is a hazard, if such a public way is not controlled by the aerodrome operator.

Chapter- 5

Exemptions

5.1 Where an aerodrome does not meet the requirement of standard(s) specified in ANO-14 Vol-I and other applicable ANOs, the Chairman may, after assessing the safety assessment and/ or aeronautical studies carried out by the aerodrome operator, grant an exemption, only if and where permitted by the standards such conditions and procedures relating to the Standards as are necessary to ensure a level of safety equivalent to the established by the Standard.

5.2 The aerodrome operator shall apply to the Chairman in the prescribed form (Appendix B) requesting exemption along with a safety assessment and mitigation action (Appendix C);

5.3 Before the Chairman decides to exempt the aerodrome operator; he shall take into account all relevant considerations relating to the interest of safety.

5.4 An exemption is subject to the aerodrome operator complying with the conditions/procedures specified by the Chairman in the aerodrome license as being necessary in the interests of safety.

Chapter 6

Renew, Surrender & Transfer of Aerodrome License

6.1 An aerodrome license holder seeking to renew the Aerodrome License, shall approach in writing to MFSR, CAAB at least 60 days before the validity of the existing Aerodrome License.

6.1.1 Approach for renewal of Aerodrome License will be dealt with in accordance with a specified procedure.

6.2 An aerodrome license holder must give the Chairman not less than 60 days written notice of the date on which the license is to be surrendered so that suitable promulgation action can be taken.

6.2.1 Approach for surrender of Aerodrome License will be dealt with in accordance with a specified procedure.

6.3 Transfer of an Aerodrome License shall not be permissible. If an Aerodrome License holder is unwilling to operate an aerodrome or airport for which he is holding the Aerodrome license, shall give the Chairman not less than 60 days written notice of the date from which the operator will cease to operate the Aerodrome or airport. Such a notice will be dealt with in accordance with a specified procedure.

Chapter 7

Fees for Grant or Renewal of A License

The fees chargeable for grant or renew of a licence and other issues related there- of, shall be decided and published time to time by the Board of the CAAB.

APPENDIX “A”



**CIVIL AVIATION AUTHORITY BANGLADESH
KURMITOLA, DHAKA-1229**

www.caab.gov.bd

APPLICATION FOR ISSUE OR RENEW OF AN AERODROME LICENSE

1. Particulars of the Applicant

Full Name:

.....
.....

Address:

.....
.....

Postcode: Position:

Phone: Fax: Email

2. Particulars of the Aerodrome Site

Aerodrome Name:

.....

Real Property description:

.....
.....

Geographical Coordinates of the ARP: Latitude:

Longitude:
(in degrees, minutes and tenths of minutes)

Bearing and Distances from nearest Town or Populous Area:

.....
.....

3. Is the Applicant the Owner of the Aerodrome Site?

Yes No

If “No”, provide:

a) Details of rights held in relation to the site; and

- b) Name and address of the owner of the site and written evidence to show that permission has been obtained for the site to be used by the applicant as an aerodrome.

4. Indicate the Largest Type of Aircraft Expected to Use the Aerodrome

.....

.....

.....

.....

.....

.....

.....

5. Is the Aerodrome to be Used for Air Transport Operations?

Yes No

6. Details to be shown on the Aerodrome Certificate

Aerodrome name:.....

Aerodrome Operator:

[On behalf of the Aerodrome Operator shown above*], I hereby apply for a license to operate the aerodrome (**Delete if not applicable*).

My authority to act on behalf of the applicant is:

.....

.....

.....

.....

.....

Name of person making the declaration:

.....

Signed: Date:...../...../.....

APPENDIX – B**FORM-CAAB EXMPT**

**CIVIL AVIATION AUTHORITY BANGLADESH
KURMITOLA, DHAKA-1229**

www.caab.gov.bd

APPLICATION FOR SEEKING EXEMPTION

(Induplicate)

1. DETAILS OF APPLICANT1.1 Name of Applicant/ Organization and Address 1.2 License Number (If Applicable) **2. DETAILS OF EXEMPTION SOUGHT**2.1. Exemption sought for 2.2. Relevant provisions of Act/Rule/ANO for which exemption is sought. 2.3. Reasons why the exemption is needed.

(The reasons provided should be detailed and self-explanatory)

2.4. Nature of exemption (Temporary/ Permanent) 2.5. Period for which exemption is required 2.6. If the exemption will affect a particular kind of operation, the details there of 2.7. For temporary exemption, the action plan for rectification and review of non-compliance, including the mitigation measures adopted for ensuring the safety during the exemption period. 2.8. For permanent exemption, the mitigation measures adopted to ensure safety of Helicopter operation. Complete safety assessment report shall be enclosed.

2.9. What factors were considered in the determination of Public Interest? Identify criteria:

a)

b)

c)

d)

Are conditions related to Public Interest required?

If required additional page(s) may be included.

2.10. What factors were considered to ensure equivalent level of Safety? Identify criteria and formulate

INFORMATION:

1. Two copies of the Aerodrome Manual, prepared in accordance with the regulations and commensurate with the aircraft activities expected at the aerodrome, are required as part of the application.
2. The application should be submitted to the Chairman’s CAAB Office.
3. CAAB will take no action to assess this application until payment is received (If applicable).
4. Documentary evidence in support of all matters in this application may be requested.

as conditions of the exemption:

- a)
- b)
- c).....
- d)

If required additional page(s) may be included.

I hereby certify that the forgoing information is correct in every respect and no relevant information has been withheld. I also undertake the responsibility for annually reviewing the conditions or mitigation measures.

SIGNATURE OF APPLICANT

DATE.....

NAME..... (In capital letters)

POSITION HELD..... (With official seal)

Note:

- i It is an offence to make any false representation with the intent to deceive, for the purpose of procuring exemption.
- ii Application not completed in all respect and not accompanied with relevant enclosures is likely to be rejected.

Appendix-C**Safety Assessment Form**

Name of the Aerodrome or Airport:

Title: Safety Assessment for:

1. Description:
2. Description of Hazard:
3. Location of Hazard:
4. Reference documents:
 - a) ANO 14 Vol I & Vol II and ANO 14 -04
 - b) ICAO DOC 9859
 - c) Aerodrome Manual
 - d) SMS Manual (If Applicable)

5. Safety Risk Probability Category:

Likelihood	Meaning	Value
Frequent	Likely to occur many times (has occurred frequently)	5
Occasional	Likely to occur sometimes (has occurred infrequently)	4
Remote	Unlikely to occur, but possible (has occurred rarely)	3
Improbable	Very unlikely to occur (not known to have occurred)	2
Extremely improbable	Almost inconceivable that the event will occur	1

6. Safety Risk Severity Category:

Severity	Meaning	Value
Catastrophic	— Equipment destroyed — Multiple deaths	A
Hazardous	— A large reduction in safety margins, physical distress or a workload such that the operators cannot be relied upon to perform their tasks accurately or completely — Serious injury — Major equipment damage	B

Severity	Meaning	Value
Major	— A significant reduction in safety margins, a reduction in the ability of the operators to cope with adverse operating conditions as a result of increase in workload, or as a result of conditions impairing their efficiency — Serious incident — Injury to persons	C
Minor	— Nuisance — Operating limitations — Use of emergency procedures — Minor incident	D
Negligible	— Little consequences	E

7. Safety Risk Assessment Matrix:

Risk probability	Risk severity				
	Catastrophic A	Hazardous B	Major C	Minor D	Negligible E
Frequent 5	5A	5B	5C	5D	5E
Occasional 4	4A	4B	4C	4D	4E
Remote 3	3A	3B	3C	3D	3E
Improbable 2	2A	2B	2C	2D	2E
Extremely Improbable 1	1A	1B	1C	1D	1E

8. Safety Risk Tolerability Matrix:

Risk index range	Description	Recommended action
5A, 5B, 5C 4A, 4B 3A	High risk	Cease or cut back operation promptly if necessary. Perform priority risk mitigation to ensure that additional or enhanced preventive controls are put in place to bring down the risk index to the moderate or low range.
5D, 5E 4C, 4D, 4E 3B, 3C, 3D 2A, 2B, 2C 1A	Moderate risk	Schedule performance of a safety assessment to bring down the risk index to the low range if available.
3E 2D, 2E 1B, 1C, 1D, 1E	Negligible Risk	Acceptable as it is. No risk mitigation required.

9. SAFETY ASSESSMENT:**9.1 Type/Name of Hazard:****Location of Hazard:****Reason of Hazard:****Hazard Consequence History:****9.2 Supplementary Hazard:****9.3 Un-safe event:****9.4 Ultimate consequence:**

i)

ii)

iii)

9.5.1 Preventive Measure:**Escalation Factor:****Escalation Control:****9.5.2. Safety Risk Probability Category:**

a.

b.

9.5.3. Safety Risk Severity Category:

a. Meaning:

b. Value:

9.5.4 Safety Risk Assessment Matrix**9.5.5. Safety Risk Tolerability Criteria****9.6. Preventive Control (PC):**

a) Existing

i.

ii.

b) To be applied

Assessor Name:

Approved by:

Designation:

Signature:

Official Seal: