भारत सरकार
परमाणु ऊर्जा नियामक परिषद्

अध्यक्ष
Chairman

GOVERNMENT OF INDIA
ATOMIC ENERGY REGULATORY BOARD

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LICENCE FOR POSSESSION AND OPERATION OF RADIOGRAPHY EXPOSURE DEVICE(S) FOR INDUSTRIAL RADIOGRAPHY

This has reference to the submission no. 21-757808 dated 02/07/2021 . In exercise of powers conferred under Section 16 and 17 of the Atomic Energy Act, 1962 as applicable, read in conjunction with Rule (3) of the Atomic Energy (Radiation Protection) Rules {AE(RP)R}, 2004, the Atomic Energy Regulatory Board (AERB) hereby issues the Licence in favour of Mr. SUBRAMANI DAMODHARAN, RSO, MADRAS RADIOGRAPHY ENGINEERS, Bangalore Rural to possess and operate the Industrial Radiography Exposure Device (s) (**IRED**) containing radiography source / radiation generating equipment for industrial radiography purposes at authorised site(s).

The RSO, MADRAS RADIOGRAPHY ENGINEERS, Bangalore Rural and Mr. SUBRAMANI DAMODHARAN is hereby identified as the Employer and Licensee respectively, for the purpose of assigning the responsibilities specified in the Atomic Energy (Radiation Protection) Rules, 2004, in respect of radiation protection of workers, public and environment because of possession and operation of IRED (s) by MADRAS RADIOGRAPHY ENGINEERS, Bangalore Rural. The licensee shall obtain permission from AERB prior to the routine operation of each IRED after its procurement.

The Employer/ Licensee shall be responsible for:

a) Ensuring compliance with the relevant provisions of the
   - Atomic Energy Act, 1962;
   - Atomic Energy (Radiation Protection) Rules, 2004;
   - Atomic Energy (Safe Disposal of Radioactive Wastes) Rules, 1987;
   - AERB Safety Code on Industrial Radiography AERB/SC/IR-1, 2001, Safety Code on Transport of Radioactive Material AERB/SC/TR-1;
   - Guide on Security of Radioactive Sources in Radiation Facilities no. AERB/RF RS/SG-1, 2011 and Security of Radioactive Material (RAM) during transport No. AERB/NRF-TS/SG-10, 2008
   - Other applicable regulatory documents issued by AERB;

b) Ensuring compliance with the terms and conditions cited above and stated in Annex-1.

This Licence may be suspended, modified or withdrawn as deemed fit in the event of contravention of the provisions of the above Act / Rules / Codes or terms and conditions.

A copy of this Licence should be available and displayed in office / radiography site where the IRED(s) is/are being operated / stored.

G. Nageswara Rao
Chairman

MR. SUBRAMANI DAMODHARAN
MADRAS RADIOGRAPHY ENGINEERS

705, 3RD CROSS, HRBR LAYOUT 1ST BLOCK
KALYAN NAGAR NEAR KALYAN NAGAR POST OFFICE
BANGALORE RURAL-560043
KARNATAKA

Annex-1

TERMS AND CONDITIONS OF LICENCE

1.Radiation equipment/sources shall not be used for purposes other than those specified in the licence.

2.**Responsibilities of employer, licensee and RSO:** The regulatory responsibilities of the employer, licensee and the RSO are laid down in the Atomic Energy (Radiation Protection) Rules, 2004. If the licensee or the RSO leaves the institution or is transferred to another department of the same institution or ceases to be in a position to discharge their duties in respect of the radiation sources in the institution, the same should be brought to the notice of AERB.

3.**Responsibility of safety and the security of the source:** From the procurement up to the time of disposal of the source, the safety and security of the radiography source is the sole responsibility of the licensee.

4.**Regulatory recommendations:** All recommendations made from time to time by the Competent Authority in respect of radiation safety measures and physical security measures should be implemented

5.**Regulatory Inspection:** Full facilities should be accorded to authorised representative(s) of the Competent Authority to inspect radiation facility at any time.

6.**Radiation surveillance and medical surveillance**: Radiation surveillance and medical surveillance of person(s) engaged in radiation work should be provided as required by the Competent Authority.

7.**Periodic Status Report:** The periodic status report of all radiation devices/sources in the possession of the institution shall be submitted to AERB.

8.**Storage of source not in Use:** When not in use, the industrial radiography exposure devices (IREDs) housing the radiography source should be stored in an authorized and secure storage room.

9.**Sale or transfer:** The IRED should not be sold or otherwise transferred to another person without obtaining prior approval from AERB.

10.**Movement of IRED from one site to another:** The IRED should not be moved from one radiography site to another without obtaining prior approval from AERB.

11.**Transport of the radiography source:** It shall be ensured that IREDs housing radiography source is packed, labeled, marked and transported in accordance with the current applicable requirements for the safe transport of radioactive material.

12.**Disused sources:** When a radiography source, is no longer in use for the authorized purpose, or upon completion of its useful life, the source should be returned to the original supplier, in accordance with the procedure for the same laid down by AERB. In respect of imported radioactive sources, prior permission for re-export of the same should be obtained from AERB.

13.**Incident involving the radiography source:** If an incident involving the safety and / or security of the radiography source occurs, the same should be intimated to AERB within 24 hours of the occurrence of the incident. In the event of loss or theft of the source, the matter should also be reported to the local police authorities at least within 24 hours of occurrence of the incident.

14.**Renewal of Licence:** In case of expiry of the licence, the same shall be renewed prior to the date of expiry.

15.**Amendment to Licence**: In case there is change in information contained in this licence after its issuance, such as change of Licensee, Employer, name of institution, address etc., it shall be ensured by licensee that the necessary amendment to this effect to the licence is obtained from the Competent Authority.

16.**Operation of IRED(s)** : It shall be ensured that the consent for operation of each IRED in possession of institute is obtained prior to resuming its operations.

17.**Offences and penalties**: Any person who contravenes the provisions of Atomic Energy (Radiation Protection) Rules, 2004 or any of the terms and conditions of this licence, shall be punishable as provided for under the Atomic Energy Act, 1962.