

# RADIATION PERMIT

IS 17893 : 2023 — Annex G (Clause 3.7)

SI No. : \_\_\_\_\_

(This permit is to be issued by area in-charge and registered at Fire Station)

G-1 Valid From (h/date) : \_\_\_\_\_

To (h/date) : \_\_\_\_\_

G-2 Permission is Granted to Dept./Section/Contractor : \_\_\_\_\_

G-3 Name of Radiography Agency : \_\_\_\_\_

G-4 Name of Site Supervisor (Level-2 Holder) : \_\_\_\_\_

G-5 Specific Location of Work : \_\_\_\_\_

G-6 Name, Design and Signature of Permittee : \_\_\_\_\_

## Part-1 (To be Filled by Radiography Agency) — Radiation Source

Type of Radiation — X-Ray : \_\_\_\_\_

Gamma Ray — Ir-192 / Co-60 (tick as applicable) : \_\_\_\_\_

No. of Source : \_\_\_\_\_

Radiation Activity (Intensity), kV/Ci : \_\_\_\_\_

## Measurement of Control on Radiation Exposure

| SI No. | Instruments            | Yes | No | Not Required |
|--------|------------------------|-----|----|--------------|
| i)     | Collimator             |     |    |              |
| ii)    | Radiation survey meter |     |    |              |
| iii)   | Film badge             |     |    |              |
| iv)    | Concrete wall barrier  |     |    |              |
| v)     | Pocket dosimeter       |     |    |              |
| vi)    | Alarm/Lamp             |     |    |              |

Cordon off Distance (m) : \_\_\_\_\_

Others : \_\_\_\_\_

No. of Persons Involving in Radiation Work : \_\_\_\_\_

Radiography Site in Charge : \_\_\_\_\_

Name/Signature of Officer (Inspection Department) : \_\_\_\_\_

Name/Signature : \_\_\_\_\_

## Part-2 Checked Before Issuing the Permit by Issuer

(Please put tick [✓] mark in the appropriate box)

| SI No. | Item                                                                    | Done | Not Required |
|--------|-------------------------------------------------------------------------|------|--------------|
| i)     | Equipment/Work area inspected.                                          |      |              |
| ii)    | Associated permit taken for the job (specify the types and permit no.). |      |              |
| iii)   | Area cordoned off (in case of radiography) with proper symbol.          |      |              |
| iv)    | Proper lighting provided.                                               |      |              |
| v)     | Radiation survey meter available at site.                               |      |              |

## G-7 Additional PPE to be Used in Addition to Standard PPE

Standard PPE: Helmet, Safety Shoes, Hand Gloves, Boiler Suit. Table 22 — Tick the relevant items.

| SI No. | Additional PPE       | Tick [✓] Mark |
|--------|----------------------|---------------|
| i)     | Face shield          |               |
| ii)    | Goggles              |               |
| iii)   | Dust respirator      |               |
| iv)    | Fresh air mask       |               |
| v)     | Lifeline             |               |
| vi)    | Safety harness       |               |
| vii)   | Compressed air set   |               |
| viii)  | Earmuff              |               |
| ix)    | Film badge/dosimeter |               |
| x)     | Others               |               |

**G-8 Additional Precaution, if Any :** \_\_\_\_\_

## Approvals

| HOD/RSO (In case of working beyond office hours) | GSI/FPS Signature                         | Permittee/Receiver                        |
|--------------------------------------------------|-------------------------------------------|-------------------------------------------|
| Signature:Name:Designation:Telephone No.:        | Signature:Name:Designation:Telephone No.: | Signature:Name:Designation:Telephone No.: |

## G-9 Special Instructions

- G-9.1 This permit shall be valid for a period of 8 h only, unless it is renewed/extended. This clearance on the same permit can be renewed/extended up to a maximum of seven calendar days.
- G-9.2 In case of fire alarm all work must immediately be stopped. In case of emergency sirens, all work must be stopped and all non-essential personnel must leave work site and processed to designated areas.
- G-9.3 This permit must be available at work site at all times.
- G-9.4 This permit is to be made in duplicate: blue and white colour. Blue copy is issued to permittee/executor. The white copy is to be retained by issuing authority.
- G-9.5 On completion of job, area to be cleared and copies of permit to be returned to the issuer after closing of permit. The same shall be closed by issuer and kept as record.
- G-9.6 All the columns in the form should be filled properly. No column should be left blank.
- G-9.7 Announcement to be made and removal of nonessential persons are to be ensured from cordoned off area before commencement of job. The barricading is to be done with warning tape with display of radiation hazard symbol at site by the site radiographer after carrying out the radiation survey.
- G-9.8 The radiography should preferably be carried out at a time, when occupancy is least.
- G-9.9 Radiation source movement within the site is to be maintained as per RSO guidelines.
- G-9.10 The supervisor must be available at site during the radiography work.
- G-9.11 "Level-2 holder" means "radiological safety officer" designated by the employer and who in the opinion of the competent authority is qualified to discharge the functions under Rule 22 of Atomic Energy (Radiation Protection) Rules, 2004.
- G-9.12 The distance for barricading is decided by RSO depending upon strength of radiation source, occupancy factor and radiation work load.