OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan, Pin – 786602
Dist-Dibrugarh, Assam

CORRIGENDUM NO. 1 dated 26.09.2026 to GEM-TENDER NO. GEM/2026/B/8069078 for Hiring of services for Disposal of Disused / Expired Radioactive Sources at BRIT Including Pre-Dispatch NOC, Regulatory Compliance, Site Inspection, Dismantling, Packing, Transportation & End-to-End Logistics..

This Corrigendum is issued to notify the following changes:

1. The following clause of **Payment Terms** of Tender is to be read as below in place of existing:

Clause no.	Existing Clause	Revised Clause
Payment terms	**Milestone-linked payment**: • **maximum of 05% of the contract value** — Shall be paid on a pro-rata basis against the number of sources for which the **AERB Pre-Dispatch NOC and Transport NOC** have been submitted. • maximum of **30%** of the contract value— Shall be paid on a pro-rata basis against the number of sources for which **site inspection, radiation survey, packing, and dispatch from OIL's Duliajan premises** have been completed, with **GPS tracking confirmed active**. • maximum of **45%** of the contract value— Shall be paid on a pro-rata basis against the number of sources for which **BRIT's Source Acceptance/Receipt Certificate** has been submitted for the sources delivered. • **maximum of 20% of the**	**Milestone-linked payment**: • maximum of 10% of the contract value— Shall be paid against the number of sources for which site inspection, radiation survey, and wipe test completion. • maximum of 05% of the contract value — Shall be paid on a pro-rata basis against the number of sources for which the AERB Pre-Dispatch NOC and Transport NOC have been submitted to OIL. • maximum of 20% of the contract value— Shall be paid on a pro-rata basis against the number of sources for packing, and dispatch from OIL's Duliajan premises have been completed, with GPS tracking confirmed active. • maximum of 35% of the contract value— Shall be paid on a pro-rata basis against the number of sources for which BRIT's Source Acceptance/Receipt Certificate has been submitted for the sources delivered. • maximum of 30% of the

		contract value — Shall be paid on a pro-rata basis against the number of sources for which **BRIT's Disposal Certificate(s), AERB Disposal Closure Confirmation, eLORA portal deletion confirmation**, and the **Final Consolidated Disposal and Completion Report** have been submitted/completed.	contract value — Shall be paid on a pro-rata basis against the number of sources for which BRIT's Disposal Certificate(s), AERB Disposal Closure Confirmation, eLORA portal deletion confirmation, and the Final Consolidated Disposal and Completion Report have been submitted/completed

2. The following clause in **SOW i.e. IMPORTANT DISCLAIMER** stands deleted:

Clause no.	Existing Clause	Revised Clause
IMPORTANT DISCLAIMER	*This Scope of Work and the accompanying Schedule of Rates (SOR) are issued exclusively for the purpose of obtaining Budgetary Quotations (BQs) for internal cost estimation by Oil India Limited. Submission of a Budgetary Quotation against this SOW / SOR shall NOT be construed as, or deemed to be, an award of contract, Letter of Intent (LOI), purchase order, or any contractual commitment of any nature whatsoever by Oil India Limited. OIL reserves the right to modify, amend, cancel, or withdraw this SOW at any stage without assigning any reason. Vendors are advised not to mobilise any resources or incur any expenditure on the basis of this document*	Stands deleted

3. The following documents are added in the tender (as attached herewith with the corrigendum):

(i) List of Radioactive Sources for Disposal (Annexure-RS)
(ii) SOW Checklist (Annexure-SW)

All others terms and conditions of the Bid Document remain unchanged. Details can be viewed at www.oil-india.com.

ANNEXURE-RS

NEUTRON SOURCES – OIL INDIA LIMITED:

Sl. No.	Device Model / Source No	Isotope	Activity (mCi)	Dose on contact (mRem/hr)	Dose at 1m (mRem/hr)	Location	Reference No. of NOC issued by AERB/ BARC
1	71-2A-412N	Am-241/Be	20,000	186.0	10.5	Duliajan, Assam	DRP/ADV-NG-ER-027/15829/91 of 12/04/91
2	7438-NE	Am-241/Be	20,000	202.0	10.6	Duliajan, Assam	DRP/ADV-NG-ER-027/15830/91 of 12/04/91
3	71-1-641B	Am-241/Be	3,000	86.0	5.0	Duliajan, Assam	DRP/ADV-NG-ER-027/8860/89 of 14/02/90
4	6996 NE	Am-241/Be	20,000	211.0	12.2	Duliajan, Assam	DRP/ADV-NG-ER-027/31128/88 of 04/07/88
5	71-1-215	Am-241/Be	5,000	162.0	7.5	Duliajan, Assam	DRP/ADV-NG-ER-027/31128/88 of 04/07/88
6	5755 NE	Am-241/Be	20,000	220.0	15.0	Duliajan, Assam	DRP/ADV-NG-ER-027/5048/85 of 24/01/85
7	71- 2A-929B	Am-241/Be	20,000	260.0	20.0	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
8	AN-HP / DSN-205	Am-241/Be	19,000	187.0	12.0	Duliajan, Assam	AERB/RSD/ER-027/2002/9946 dtd. 26/12/2002
9	AN-HP / DSN-210	Am-241/Be	19,000	172.0	6.0	Duliajan, Assam	AERB/RSD/ER-027/2002/9946 dtd. 26/12/2002
10	71-1-741 B	Am-241/Be	3,000	90.0	6.0	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
11	71-1-463G	Am-241/Be	185 GBq (5 Ci)	4.0	0.2	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/19082/92 of 23/04/92
12	DSN-390	Am-241/Be	555 GBq (15 Ci)	8.0	0.6	Duliajan, Assam	NOC Ref. AERB/RSD/WL/ER-003/2007/12607 dtd 22/11/2007
13	DSN-392	Am-241/Be	555 GBq (15 Ci)	19.0	1.2	Duliajan, Assam	NOC Ref. AERB/RSD/WL/ER-003/2007/12607 dtd 22/11/2007
14	097/6518/NE	Am-241/Be	23	12.0	1.0	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
15	218/9762NE	Am-241/Be	550	55.0	3.0	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**

16	218/6727NE	Am-241/Be	23	12.0	0.5	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
17	L153/6801NE	Am-241/Be	550	55.0	3.0	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
18	L153/6790NE	Am-241/Be	23	12.0	0.5	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
19	097/6503/NE	Am-241/Be	550	55.0	3.0	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
20	AN-HP / CAL-180	Am-241/Be	500	12.0	2.0	Duliajan, Assam	AERB/RSD/ER-027/2002/9946 dtd. 26/12/2002
21	AN-HP / CAL-187	Am-241/Be	500	12.0	2.0	Duliajan, Assam	AERB/RSD/ER-027/2002/9946 dtd. 26/12/2002
22	71-1- 432G	Am-241/Be	75	82.0	0.01	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
23	71-1-349G	Am-241/Be	50	30.0	0.2	Duliajan, Assam	DRP/ADV-NG-ER-027/31128/88 of 04/07/88
24	71-1-806B	Am-241/Be	50	30.0	0.1	Duliajan, Assam	DRP/ADV-NG-ER-027/5048/85 of 24/01/85
25	AN-HP / DSNL-140	Am-241/Be	33	6.4	1.14	Duliajan, Assam	NOC Ref. AERB/RSD/ER-027/2002/9946 dtd. 26/12/2002
26	VL-67	Am-241	0.1	0.05	0.02	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
27	AMCK7653 / 4049CW	Am-241	150	0.08	0.01	Duliajan, Assam	AERB/RSD/NG/WL-WR/2005/1569 dtd 01/03/2005
28	C-483	Am-241	100	0.04	0.01	Duliajan, Assam	DRP/ADV-NG-ER-027/31128/88 of 04/07/88
29	VL-1-A 16	Am-241	100	0.1	0.01	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**

Other than NEUTRON SOURCES:

Sl. No.	Device Model / Source No	Isotope	Activity(mCi)	Dose on contact	Dose at 1m	Location	Remarks
1	CSV-N13	Cs-137	2,000	18	4	Duliajan, Assam	DRP/ADV-NG-ER-027/15830/91 of 12/04/91
2	11596W	Cs-137	2,200	6.0	0.4	Duliajan, Assam	DRP/ADV-NG-ER-027/15829/91 of 12/04/91
3	CSV-L53	Cs-137	2000	32	1.6	Duliajan, Assam	DRP/ADV-NG-ER-027/5048/85 of 24/01/85
4	CSV.M70	Cs-137	2000	4.6	0.2	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
5	CDC-CY6 / 2804GW	Cs-137	1500	8.0	0.4	Duliajan, Assam	AERB/RSD /ER-027/2002/9946 dtd. 26/12/2002
6	CDC-CY6 / 2806GW	Cs-137	1500	10.0	0.3	Duliajan, Assam	AERB/RSD/ER-027/2002/9946 dtd. 26/12/2002
7	5161GW	Cs-137	55.5 GBq (1.5 Ci)	20.0	0.6	Duliajan, Assam	NOC Ref. AERB/RSD/WL/ER-003/2007/12607 dtd 22/11/2007
8	5158GW	Cs-137	55.5 GBq (1.5 Ci)	14.0	0.5	Duliajan, Assam	NOC Ref. AERB/RSD/WL/ER-003/2007/12607 dtd 22/11/2007
9	C1-622	Co-57	0.003	0.02	BDL	Duliajan, Assam	AERB/RSD/NG/WL-WR/2005/1569 dtd 01/03/2005
10	68	Th-232	77.7 kBq (2.1 µCi)	0.2	0.02	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/15592/87 of 14/04/87
11	82	Th-232	74 kBq (2 µCi)	0.2	0.02	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/15829/91 of 12/04/91
12	84	Th-232	74 kBq (2 µCi)	0.2	0.03	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/58387/91 of 22/11/90
13	335	Th-232	185 kBq (5 µCi)	0.04	0.01	Duliajan, Assam	NOC No. RPSD/ADV-NG-ER-027/27979/93 of. 08/10/93
14	599	Th-232	185 kBq (5 µCi)	0.02	BDL	Duliajan, Assam	NOC No. RPAD/ADV-NG/WL-ER 026/17738/98 of 09/12/98
15	TB-683	Th-232	185 kBq (5 µCi)	0.02	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/ER-027/2002/9946 dtd. 26/12/2002

16	76	K-40 U-238 Th-232	77.7 kBq (2.1 µCi)	0.01	0.01	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/15592/87 of 14/04/87
17	95	K-40 U-238 Th-232	77.7 kBq (2.1 µCi)	0.01	BDL	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/15829/91 of 12/04/91
18	96	K-40 U-238 Th-232	77.7 kBq (2.1 µCi)	0.02	0.01	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/58387/90 of 22/11/90
19	RA-20S-098	Ra-226	740 kBq (20 µCi)	3.2	0.08	Duliajan, Assam	NOC. : 1/4(25)/78-O&M of 21/12/78
20	RA-20S-101	Ra-226	740 kBq (20 µCi)	5.0	0.08	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents.**
21	RA-20S-177	Ra-226	740 kBq (20 µCi)	3.8	0.01	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents.**
22	Ra-20S-259	Ra-226	740 kBq (20 µCi)	3.6	0.1	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/31128/88 of 04/07/88
23	VL-1-A 07	CS-137	370 kBq (10 µCi)	0.08	0.04	Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
24	097/3299	**Cs -137**	11.1 MBq (300 µCi)			Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
25	097/3251	**Cs -137**	222 kBq (6 µCi)			Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
26	218/2818	**Cs -137**	11.1 MBq (300 µCi)			Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
27	218/2815	**Cs -137**	222 kBq (6 µCi)			Duliajan, Assam	**NOC ref. No. could not be traced as these are very old documents**
28	V-719	Cs-137	629 MBq (17 mCi)	4.0	0.1	Duliajan, Assam	NOC No. DRP/ADV-NG-ER-027/1039/91 of 08/01/91

29	L153/3198	**Cs-137**	11.1 MBq (300 µCi)	BDL	BDL	Duliajan, Assam	NOC ref. No. could not be traced as these are very old documents
30	L153/3234	**Cs-137**	222 kBq (6 µCi)	BDL	BDL	Duliajan, Assam	NOC ref. No. could not be traced as these are very old documents
31	FM-485	Cs-137	59.2 kBq (1.6 µCi)	BDL	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/NG/WL-ER-017/2003/5153 dtd 04/07/2003
32	484	Cs-137	59.2 kBq (1.6 µCi)	BDL	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/NG/WL-ER-017/2003/5153 dtd 04/07/2003
33	582	Cs-137	18.5 kBq (0.5 µCi)	BDL	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/NG/WL-ER-017/2003/5153 dtd 04/07/2003
34	583	Cs-137	18.5 kBq (0.5 µCi)	BDL	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/NG/WL-ER-017/2003/5153 dtd 04/07/2003
35	490	Cs-137	59.2 kBq (1.6 µCi)	BDL	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/NG/WL-ER-017/2003/5153 dtd 04/07/2003
36	584	Cs-137	18.5 kBq (0.5 µCi)	BDL	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/NG/WL-ER-017/2003/5153 dtd 04/07/2003
37	C8-291	Co-57	111 kBq (3 µCi)	0.2	BDL	Duliajan, Assam	NOC Ref. AERB/RSD/WL/ER-003/2007/3739 Dtd 16/03/2007
38	MP038707-03	Th-232	92.5 kBq (2.5 µCi)	0.08	0.02	Duliajan, Assam	NOC Ref. AERB/RSD/WL/ER-003/2007/12607 dtd 22/11/2007

CHECKLIST FOR SOW (ANNEXURE-SW)

Sl.No	Clause No. of SOW	Description	Compliance		Bidder to indicate Relevant Page No. of their Bid to support the remarks/ compliance
			Yes	No	
1.	1	**Background** Oil India Limited (OIL), Well Logging Department, Duliajan, Assam, intends to safely dispose of all disused, expired, and redundant sealed radioactive sources currently stored at licensed Radioactive Source Magazine: 1.1 Radioactive Source Magazine, OIL India Limited, Duliajan, Assam The sources include neutron, gamma, and calibration sources of various isotopes (Am-241/Be, Cs-137, Th-232, Co-57, etc.) used in well logging operations and recorded in the AERB eLORA portal. This being OIL's first formal disposal exercise, and given the highly hazardous and radioactive nature of the material, OIL is committed to ensuring that every step of this process is conducted with the highest standards of safety, regulatory compliance, and due diligence. OIL has decided to approach BRIT (Board of Radiation and Isotope Technology), Department of Atomic Energy, Government of India, as the authorised disposal facility. OIL India Limited shall directly obtain a quotation from BRIT and pay all statutory BRIT disposal fees directly. The Contractor's scope covers all other services as detailed in this SOW.			

CHECKLIST FOR SOW (ANNEXURE-SW)

2.	**2**	**Objective The objective of this Scope of Work is to engage a competent, experienced, and AERB-authorised agency to provide end-to-end services covering:**			
3.	**2.1**	Obtaining Pre-Dispatch NOC from AERB and all regulatory / statutory compliance			
4.	**2.2**	Site inspection, radiation survey, wipe / leak testing at OIL locations			
5.	**2.3**	Dismantling (if required), packing, marking, and preparation of consignment as per AERB standards			
6.	**2.4**	Safe transportation from OIL's locations (Duliajan) to BRIT facility, Vashi, Navi Mumbai			
7.	**2.5**	Loading at OIL and unloading at BRIT — all manpower and lifting equipment to be provided by the Contractor			
8.	**2.6**	Submission of disposal certificates and statutory closure on eLORA portal The Contractor shall act as the single point of responsibility for the complete scope irrespective of engagement of sub-vendors or logistics partners. The Contractor shall coordinate directly with BRIT for all procedural aspects of disposal, while BRIT statutory disposal fees shall be paid directly by OIL India Limited.			
9.	**3**	Financial Responsibility — BRIT Statutory Disposal Fees CRITICAL: All statutory fees, charges, and payments payable to BRIT (Board of Radiation and Isotope Technology) for the acceptance and disposal of disused radioactive sources shall be borne EXCLUSIVELY by OIL India Limited and paid directly by OIL to BRIT. These charges are FULLY EXCLUDED from the Contractor's scope of payment and must NOT be included in the			

		Contractor's price bid or Budgetary Quotation under any circumstances			
10.	**3.1**	**OIL India Limited shall:**			
11.	**3.1.1**	Directly approach BRIT to obtain a formal quotation for disposal fees against the source inventory.			
12.	**3.1.2**	Make all statutory payments to BRIT directly — the Contractor shall not be required to front, advance, or bear these charges.			
13.	**3.1.3**	Coordinate with the Contractor on BRIT's acceptance schedule and procedural requirements.			
14.	**3.2**	**3.2 The Contractor shall:**			
15.	**3.2.1**	Facilitate and coordinate with BRIT for all technical and procedural aspects of source acceptance and disposal.			
16.	**3.2.2**	Provide all required documentation to support OIL's direct payment process to BRIT			
17.	**3.2.3**	DO NOT include BRIT statutory disposal fees in the quoted price under any circumstances.			
18.	**4**	**Detailed Scope of Work** The following sections define the Contractor's complete scope of responsibility. All activities listed below are in the Contractor's scope unless expressly stated as OIL's responsibility in Section 8.			
19.	**4.1**	**Pre-Dispatch NOC from AERB & Regulatory / Statutory Compliance**			

		This entire sub-section is the Contractor's responsibility. The Contractor shall manage, prepare, submit, and follow up all regulatory filings at the Contractor's cost.			
20.	**4.1.1**	Prepare and submit applications to AERB for Disposal Authorisation / NOC and Transport Authorisation / NOC for each radioactive source, in accordance with AERB Safety Codes and Atomic Energy (Radiation Protection) Rules, 2004.			
21.	**4.1.2**	Obtain all pre-dispatch NOCs and approvals from AERB prior to any movement of radioactive sources.			
22.	**4.1.3**	Obtain all interstate transport permissions, route clearances, and any State / District-level statutory permissions required for road transport through Assam, and any states en route to Mumbai.			
23.	**4.1.4**	Process all regulatory filings through AERB's eLORA portal on OIL's behalf or in coordination with OIL's RSO / AERB licence holder.			
24.	**4.1.5**	Liaise with AERB, BRIT, transport authorities, and all other statutory agencies as required throughout the disposal process.			
25.	**4.1.6**	Ensure all activities comply with: Atomic Energy Act 1962, Atomic Energy (Radiation Protection) Rules 2004, AERB Safety Code AERB/SC/TR-1, AERB Guide AERB/NRF-TS/SG-10 (Security of Radioactive Material during Transport), AERB/RSD/TR/P-1 (Procedure for Safe Transport), and all applicable national regulations.			

26.	**4.1.7**	Prepare and submit all post-disposal documentation to AERB for statutory closure and update OIL's eLORA portal to reflect disposal / deletion of each source.			
27.	**4.1.8**	Obtain and provide to OIL: AERB Disposal Certificate, AERB Transport NOC, and BRIT's Disposal / Acceptance Certificate.			
28.	**4.2**	**Site Inspection & Radiation Survey** The Contractor shall depute its AERB-licensed RSO and qualified radiation professionals at OIL locations. All survey equipment, dosimeters, and PPE shall be provided by the Contractor.			
29.	**4.2.1**	Depute qualified AERB-licensed Radiation Safety Officer (RSO) and radiation professionals to OIL, Duliajan, Assam at the Contractor's cost.			
30.	**4.2.2**	Conduct physical inspection and verification of all radioactive sources against OIL's inventory records and eLORA portal data.			
31.	**4.2.3**	Carry out full radiation survey including: surface dose rate measurements, dose rate at 1 metre, source lock and shielding integrity verification, wipe / leak tests as per AERB guidelines.			
32.	**4.2.4**	Record all measurements in prescribed AERB formats and submit inspection and radiation survey reports to OIL and AERB.			
33.	**4.2.5**	Provide all required instruments and equipment including: neutron survey meters, gamma survey meters, personal dosimeters, wipe test kits, PPE (gloves, coveralls, safety footwear, respiratory protection as applicable), and all special tools required for source handling.			

34.	**4.2.6**	Verify that radiation levels and Transport Index (TI) are within AERB-permissible limits before packing.			
35.	**4.2.7**	Compile a comprehensive Inspection and Radiation Safety Report including measurement data, photographs, ALARA justification, and findings — to be submitted to OIL.			
36.	**4.3**	**Dismantling, Packing & Consignment Preparation** All packing materials, AERB-approved transport containers, tamper-proof seals, marking materials, and wooden crates / outer packaging shall be arranged and provided by the Contractor at the Contractor's cost.			
37.	**4.3.1**	Supervise and carry out dismantling and handling of disused sources under the direct supervision of the Contractor's RSO.			
38.	**4.3.2**	Extract sources from existing containers at site (if required) and re-pack in new AERB-approved transport containers.			
39.	**4.3.3**	Provide AERB-approved Type-A / Type-B(U) transport containers with appropriate radiation shielding, radiation warning labels, and tamper-proof sealing. All transport containers shall be certified, tested, and acceptable to AERB/BRIT prior to mobilisation.			
40.	**4.3.4**	Provide sturdy outer wooden crates / boxes for housing the transport containers. These outer wooden crates / boxes shall be firmly fixed and bolted / secured to the floor of the transport vehicle using approved fastening arrangements (D-rings, lashing straps, wooden battens, or equivalent). Absolutely no horizontal or vertical movement of the crate / container during transit shall be permitted.			

41.	**4.3.5**	Ensure packing, marking, and labelling of all consignments strictly as per AERB/RSD/TR/P-1 and international transport standards, including: correct UN Number and Proper Shipping Name, Transport Category Label (I-White / II-Yellow / III-Yellow as applicable), Consignor and Consignee address details, and Gross Weight if exceeding 30 kg.			
42.	**4.3.6**	Measure, calculate, and record the Transport Index (TI) of each package. If TI exceeds 10 or surface dose rate exceeds 2 mSv/h, do not forward for transportation without prior AERB written permission.			
43.	**4.3.7**	Prepare all mandatory transport documents per AERB/RSD/TR/P-1 including: Consignor's Declaration (Declaration of Radioactive Shipment), TREM Card (Transport Emergency Card), Instructions to the Carrier, Emergency Measures Instructions for Transport Incidents, and AERB Transport Authorisation.			
44.	**4.3.8**	Lock and tamper-seal the outer container. The seal shall be tamper-proof such that once disturbed it cannot be reused. Keys shall be placed in a sealed envelope with Consignor's signature and handed to the carrier.			
45.	**4.3.9**	Ensure radiation levels and TI of all packed consignments are within permissible limits before dispatch, with post-packing radiation survey recorded.			
46.	**4.4**	**Manpower & Lifting Equipment — Loading (OIL) and Unloading (BRIT)**			

		The Contractor shall provide ALL manpower, lifting equipment, handling tools, and supervision required at BOTH locations — OIL's site and BRIT's facility. OIL shall not be responsible for providing any manpower, lifting equipment, or consumables.			
47.	**4.4.1**	Provide all required skilled, semi-skilled, and supervisory manpower at the Contractor's cost for: safe lifting, handling, and movement of radioactive sources during dismantling; packing, sealing, and preparation of transport containers; loading of secured crates / containers onto the transport vehicle at OIL's premises (Duliajan).			
48.	**4.4.2**	Provide all necessary mechanical lifting and handling equipment (trolleys, chain pulleys, forklifts, or other AERB-acceptable lifting gear as required) for loading operations at OIL's premises.			
49.	**4.4.3**	Ensure the Contractor's RSO and at least one senior representative are physically present and supervising at the time of loading at OIL's premises.			
50.	**4.4.4**	Provide all required manpower, lifting equipment, and handling tools for unloading operations at BRIT's facility, Vashi, Navi Mumbai, including safe removal of crates and containers from the transport vehicle.			
51.	**4.4.5**	Ensure the Contractor's RSO is present during unloading at BRIT's facility.			
52.	**4.4.6**	All manpower deployed shall be adequately trained, medically fit, compliant with radiation safety norms, and shall carry valid photographic identification at all times.			

53.	**4.5**	**Transportation & Logistics — OIL Locations to BRIT, Vashi, Mumbai** The Contractor shall arrange end-to-end dedicated transport from OIL locations (Duliajan, Assam) to BRIT facility, Vashi, Navi Mumbai, in full compliance with AERB Safety Code AERB/SC/TR-1 and AERB Security Guide AERB/NRF-TS/SG-10.			
54.	**4.5.1**	Arrange dedicated, fully enclosed container trucks (no open flatbed, no shared load) with heavy duty lock-and-key arrangements for exclusive use transport of radioactive consignments. Sub contracting or mid-route vehicle change is not permitted.			
55.	**4.5.2**	Secure all wooden crates / boxes housing radioactive source containers firmly to the vehicle container floor using bolts, D-rings, lashing straps, wooden battens, or equivalent fastening — ensuring zero horizontal or vertical movement during transit.			
56.	**4.5.3**	Equip all transport vehicles with a live real-time GPS tracking system. Provide OIL's designated monitoring team 24x7 access to the live GPS dashboard / tracking link throughout transit. Any route deviation shall trigger an immediate alert.			
57.	**4.5.4**	Equip all transport vehicles with a live real-time GPS tracking system. Provide OIL's designated monitoring team 24x7 access to the live GPS dashboard / tracking link throughout transit. Any route deviation shall trigger an immediate alert.			
58.	**4.5.5**	Ensure the shipment from Duliajan reaches BRIT, Vashi, Mumbai on Monday or Tuesday — BRIT accepts radioactive			

		sources only on Wednesdays up to 14:00 hrs (2:00 PM IST). Arrival on Wednesday morning will NOT be acceptable.			
59.	**4.5.6**	Conduct thorough pre-departure inspection of the vehicle and consignment securing arrangement. The Contractor's RSO and representative shall be present at departure.			
60.	**4.5.7**	Arrange transport in compliance with AERB Security Level 3 (Enhanced Security) as prescribed in AERB/NRF-TS/SG-10 for Type B(U)/(M) packages, including: formal Transport Security Plan, continuous GPS tracking, secure communication links, and verified personnel identity at all times.			
61.	**4.5.8**	Provide one copy of the TREM Card and Emergency Measures Instructions to the carrier / driver. Driver shall be briefed on emergency procedures before departure.			
62.	**4.5.9**	Do not transport radioactive sources along with explosives, inflammables, photosensitive films, or passengers. The vehicle shall carry the radioactive consignment under exclusive use.			
63.	**4.5.10**	Ensure the sum of Transport Indices of all packages in a vehicle does not exceed 50 (except under exclusive use, where this limit does not apply per AERB/RSD/TR/P-1 Para 8 / 9).			
64.	**4.5.11**	Arrange armed escort / security personnel for the transport as required under AERB Enhanced Security Level 3.			
65.	**4.5.12**	Report immediately to OIL's RSO, AERB (Head, RSD), and DAE Crisis Management Group (Tel: 022-22023978) in the event of any accident, damage, pilferage, or untoward incident during transport. Non-delivery within the normal expected transit period shall also be immediately reported.			

66.	**4.5.13**	Obtain and submit to OIL all interstate transport permits, lorry receipts, and vehicle movement records for the complete journey.			
67.	**4.5.14**	Complete all mandatory transport intimation and post-shipment documentation updates in AERB's eLORA portal immediately after dispatch.			
68.	**4.6**	**Disposal at BRIT & Certificates**			
69.	**4.6.1**	Coordinate with BRIT for scheduling of source acceptance and disposal. Provide BRIT with all required source and package documentation in advance.			
70.	**4.6.2**	Ensure that delivery to BRIT is made on Monday / Tuesday for Wednesday acceptance (per BRIT's acceptance schedule). Coordinate with OIL well in advance regarding BRIT's acceptance dates.			
71.	**4.6.3**	Obtain and provide to OIL the following completion documents from BRIT: BRIT Source Acceptance / Receipt Certificate, BRIT Disposal Certificate for each radioactive source.			
72.	**4.6.4**	Obtain AERB's formal disposal closure confirmation and provide to OIL.			
73.	**4.6.5**	Assist OIL in updating the eLORA portal to reflect disposal / deletion of each source. It shall be the Contractor's responsibility to ensure that all disposed sources are removed from OIL's eLORA portal inventory.			
74.	**4.6.6**	Provide a final consolidated Disposal and Completion Report to OIL, including all certificates, survey reports, transport documents, and regulatory closure records.			

75.	**5**	**Packing Materials — Contractor's Responsibility** All packing materials required for the safe packing and transport of radioactive sources shall be arranged, procured, and provided by the Contractor at the Contractor's cost. These include but are not limited to:			
76.	**5.1**	AERB-approved Type-A / Type-B(U) certified transport containers / lead shield containers acceptable to BRIT / AERB			
77.	**5.2**	Sturdy outer wooden crates / boxes of adequate dimensions and structural strength			
78.	**5.3**	Fastening materials for securing wooden crates to the vehicle floor — bolts, D-rings, ratchet lashing straps, wooden battens, or equivalent			
79.	**5.4**	Tamper-proof and weather-proof seals (laminated, self-adhesive type with Consignor's signature)			
80.	**5.5**	Radiation warning labels and transport category labels (Category I-White / II-Yellow / III-Yellow as applicable)			
81.	**5.6**	Absorbent materials, shock absorbers, and spacer structures within containers as required			
82.	**5.7**	Marking materials for durably inscribing UN Number, Proper Shipping Name, Consignor / Consignee details, and Gross Weight on outer packages			
83.	**5.8**	Any other packing materials required to meet AERB, IAEA, and BRIT standards The design of all lead shield containers shall be as per design specifications acceptable to BRIT / AERB. The			

		Contractor shall confirm container acceptability with BRIT prior to mobilisation.			
84.	**6**	**Radiation Safety Officer (RSO) — Contractor's Requirement** The Contractor shall provide a qualified, AERB-licensed RSO for this assignment. The RSO shall be physically present at all critical stages of the disposal process.			
85.	**6.1**	The Contractor shall depute a valid AERB-licensed Radiation Safety Officer (RSO) for the complete duration of the assignment.			
86.	**6.2**	The RSO shall hold a valid AERB RSO licence (current and not expired) appropriate for the isotopes and source activities involved.			
87.	**6.3**	The RSO shall be physically present and supervising at the time of: site inspection and radiation survey at OIL location; all dismantling, packing, and sealing operations; vehicle loading at OIL's premises; vehicle unloading at BRIT's facility.			
88.	**6.4**	The RSO shall be responsible for: all radiation safety decisions during the assignment; compliance with AERB/RSD/TR/P-1 and AERB/NRF-TS/SG-10; maintenance of all radiation exposure records; submission of radiation safety reports to OIL and AERB.			

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<td>Deliverables
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<tr><td>Sl.</td><td>Deliverable</td><td>Stage</td></tr>
<tr><td>1</td><td>AERB Disposal NOC / Authorisation for each source</td><td>Before dispatch</td></tr>
<tr><td>2</td><td>AERB Transport NOC / Authorisation</td><td>Before dispatch</td></tr>
<tr><td>3</td><td>Interstate transport permits and route clearances</td><td>Before dispatch</td></tr>
<tr><td>4</td><td>Radiation survey and wipe / leak test reports (pre-packing)</td><td>Before dispatch</td></tr>
<tr><td>5</td><td>Inspection Report with photographs</td><td>Before dispatch</td></tr>
<tr><td>6</td><td>Consignor's Declaration, TREM Card, Instructions to Carrier, Emergency Measures Instructions</td><td>At dispatch</td></tr>
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		7	Post-dispatch eLORA portal update confirmation	Within 24 hrs of dispatch			
		8	BRIT Source Acceptance / Receipt Certificate	On delivery to BRIT			
		9	BRIT Disposal Certificate for each radioactive source	On disposal by BRIT			
		10	AERB Disposal Closure Confirmation	Post-disposal			
		11	eLORA portal source deletion / closure confirmation	Post-disposal			
		12	Final Consolidated Disposal and Completion Report	Post-disposal			
90.	**8**	**Responsibilities of OIL India Limited**					

91.	**8.1**	OIL shall pay all statutory BRIT disposal fees directly to BRIT against BRIT's formal quotation. The Contractor shall NOT be required to make any payment to BRIT.			
92.	**8.2**	Provide the Contractor access to licensed Radioactive Source Magazines (Duliajan) after completion of all regulatory formalities.			
93.	**8.3**	Provide complete inventory details, source specifications, serial numbers, isotope details, AERB licence records, and eLORA portal data to the Contractor.			
94.	**8.4**	Facilitate necessary work permits, security clearances, and site induction for the Contractor's personnel.			
95.	**8.5**	Provide historical information on source vintage, manufacturer details, and any known packaging / shielding details.			
96.	**8.6**	Facilitate AERB regulatory filings from OIL's end as the licence holder where required (e.g. OIL's licence holder signature on eLORA submissions). OIL shall NOT be responsible for providing manpower, lifting equipment, transport containers, packing materials, tools, PPE, consumables, or survey instruments — all of these are in the Contractor's scope.			
97.	**9**	**Vendor / Contractor Eligibility Requirements**			
98.	**9.1**	Hold a valid AERB licence / authorisation for handling, transport, and disposal of radioactive sealed sources			
99.	**9.2**	Have a qualified AERB-licensed RSO on their payroll			

100.	**9.3**	Have prior experience in handling, packing, transporting, and disposing of radioactive sealed sources. Provide a brief summary of relevant past work.			
101.	**9.4**	Have access to / arrangements for AERB-approved Type-A / Type-B(U) certified transport containers acceptable to BRIT.			
102.	**9.5**	Confirm availability of GPS-enabled dedicated transport vehicles and verified drivers.			
103.	**9.6**	Submit an Emergency Response Plan (ERP) for radiological incidents during transport.			
104.	**9.7**	Confirm ability to comply with AERB Security Level 3 (Enhanced Security) transport requirements as per AERB/NRF-TS/SG-10.			
105.	**10**	**Safety & Regulatory Compliance Requirements** The Contractor must comply with all applicable safety standards and regulations, including but not limited to:			
106.	**10.1**	Atomic Energy Act, 1962			
107.	**10.2**	Atomic Energy (Radiation Protection) Rules, 2004			
108.	**10.3**	Atomic Energy (Safe Disposal of Radioactive Wastes) Rules, 1987			
109.	**10.4**	AERB Safety Code AERB/SC/TR-1 — Safe Transport of Radioactive Materials			
110.	**10.5**	AERB Safety Guide AERB/NRF-TS/SG-10 — Security of Radioactive Material during Transport (Enhanced Security Level 3 for Type B packages)			
111.	**10.6**	AERB Procedure AERB/RSD/TR/P-1 — Procedure for Safe Transport of Radioactive Materials			

112.	**10.7**	IAEA Transport Regulations SSR-6 (as applicable)			
113.	**10.8**	All applicable State-level hazardous material regulations (Assam, Rajasthan, and states en route)			
114.	**10.9**	Factories Act, 1948 and Atomic Energy (Factories) Rules, 1996 (for industrial safety)			