


**EXPORT LICENSE**

<p>NRC FORM 250</p> <div style="text-align: center;">  <p><b>United States of America</b> Nuclear Regulatory Commission Washington, D.C. 20555</p> </div>	<p><b>NRC LICENSE NO.:</b> PXB224.01</p> <p align="right">Page 1 of 7</p> <p><b>NRC DOCKET NO.:</b> 11006318</p> <p><b>LICENSE EXPIRES:</b> December 31, 2021</p>
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Pursuant to the Atomic Energy Act of 1954, as amended, and the regulations issued by the Nuclear Regulatory Commission (NRC) pursuant thereto, and in reliance on statements and representations heretofore made by the applicant/licensee, this license is hereby issued authorizing the licensee to export of the byproduct materials listed below, subject to the terms and conditions herein. This license is only valid if the licensee or 'Other Party (ies) to Export' maintain the requisite NRC or Agreement State domestic license(s).

<p align="center"><b>LICENSEE</b></p> <p>ISOFLEX Radioactive LLC 108 Teal Street St. Rose, LA 70087</p> <p>Attn: Kevin J. Schehr</p>	<p align="center"><b>ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">See following page(s)</p>
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<p align="center"><b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p>Fluoroscopy Techniques Laboratory 301 Nirmal Industrial Estate Near Nehru Park, Sion (East) Mumbai 400022 India (distributor)</p>	<p align="center"><b>OTHER U.S. PARTY(IES) TO EXPORT</b></p> <p align="center">None</p>
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<p><b>APPLICANT'S REFERENCE:</b> Application Dated 11/12/19</p>	<p><b>ULTIMATE DESTINATION:</b> India</p>
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**DESCRIPTIONS OF 10 CFR PART 110, APPENDIX P, BYPRODUCT MATERIALS TO BE EXPORTED, INCLUDING CONDITIONS AND NOTES**  
(NOTE: SEE PAGE 7 FOR DEFINITIONS OF CATEGORY 1 AND CATEGORY 2)

Export to India of Category 2 quantities of: Ir-192 not to exceed 79 terabecquerels (TBq); Se-75 not to exceed 150 TBq, and Yb-169 not to exceed 7.4 TBq, for industrial radiography to the end-users listed is authorized.

Licensee is responsible for compliance with all applicable export, and other domestic regulatory requirements, including all terms and conditions of domestic material possession licenses.

Licensee must submit pertinent documentation required by 10 CFR § 110.32(g) at least 24 hours prior to shipment. See Page 7 for Mandatory Advanced Notifications.

This license replaces PXB224.00-R by: 1) extending the expiration date from July 31, 2021 to December 31, 2021; 2) adding 39 additional "Ultimate Consignee(s)" and; 3) adding one "Intermediate Foreign Consignee".

<p>Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended.</p> <p>This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.</p>	<p align="center"><b>THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</b></p> <p align="center"><b>David L. Skeen</b> <small>Digitally signed by David L. Skeen Date: 2020.03.04 13:29:40 -05'00'</small></p> <p><b>NAME AND TITLE:</b> <u>David L. Skeen, Deputy Director Office of International Programs</u></p> <p><b>DATE OF ISSUANCE:</b> <u>March 4, 2020</u></p>
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**EXPORT LICENSE**

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

1. **AMBITION NDT & INSPECTION TECHNOLOGY**  
Iswar Krupa Sadan Dehu Fhata  
Moshi Tai  
Hawali Pune Nashik Highway Pune-412105  
India  
(industrial radiography)
2. **APT X-Ray (INDIA) PVT LTD (BRANCH OFFICE)**  
B-2 Shree Niwas No.8, Vennu Reddy Street  
Guindy, Chennai 600032  
India  
(industrial radiography)
3. **APT X-Ray (INDIA) PVT LTD (HEAD OFFICE)**  
Office No.3 Mangal Murti, Plot No 31  
Jawahar Nagar, Road No 12  
Goregaon (W), Mumbai 400062  
India  
(industrial radiography)
4. **ASCENT NDT SERVICES**  
Plot No.14, Laxminagar, 1st Street  
Indira Nagar Main  
Manapakkam, Trichy-620015  
India  
(industrial radiography)
5. **ASCO INDUSTRIAL CORPORATION**  
7A Industrial Area  
Sonipat-13100(H.R.)  
India  
(industrial radiography)
6. **Bolax NDT Engineering**  
Plot No. 75/A/3/5, Telco - Bhosari Road, General  
Block  
MIDC, Corporation Bank, Next To Tuljia Bhavani  
Complex  
Bhosari, Pune, Maharashtra 411026  
India  
(industrial radiography)
7. **Bolax NDT Engineering (KOLHAPUR OFFICE)**  
5 Star MIDC Kagal, Plot No. G - 107  
Randive Wadi Road, MIDC, Kolhapur  
Maharashtra 416236  
India  
(industrial radiography)
8. **Bolax NDT Engineering (Rajkot Office)**  
Panna Furniture Industries, S. No. 267/2, Shaper  
Industrial Area, Behind Nova Techno Shaper,  
Rajkot 360024 Gujarat  
India  
(industrial radiography)
9. **CALCUTTA TECHNO HEATERS (INDIA) PVT,  
LTD.**  
22A Dum Dum Road  
Kolkatta-700002  
India  
(industrial radiography)
10. **CR Quality and Engg Services**  
Gyan Pushpa Building  
Office No. 1 & 2, Beside Bharat Forge  
Pune-Nashik Highway, Kuruli, Chakan, Pune  
410501  
India  
(industrial radiography)

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

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| 11. CREATIVE NDT SERVICES<br>Shop No. 13&14, Soham Industrial Complex,<br>Plot 318<br>PCNTDA, Sector 10, MIDC, Bhosari, Pune<br>411026<br>India<br><br>(industrial radiography) | 12. GANDHI NDT SERVICES<br>2 Shrinath Society, Usmanpura<br>Ashram Road, Ahmedabad 380013<br>India<br>(industrial radiography)  |
| 13. GB ENGINEERING ENTERPRISES P. LTD.<br>D-99 Developed Plots Estate Thuvakudi,<br>Tiruchirappalli 620015<br>India<br>(industrial radiography)                                 | 14. GLOBAL INSPECTION SERVICES<br>MB2 Sunshine Complex, Panchvati<br>Gorwa, Refinery Road, Vadodara 390005<br>India<br>(industrial radiography)   |
| 15. HDO TECHNOLOGIES P. LTD.<br>5 1/2 Near Vatva Railway Crossing GIDC<br>Ahmedabad 382445<br>India<br>(industrial radiography)   | 16. HI-TECH RADIOGRAPHIC INSPECTION<br>SERVICES<br>160/1 Royal Puspa Park<br>Street no.3,80 feet Road, New Aaramwadi<br>Khodiyar Colony, Jamnager 361006<br>India<br><br>(industrial radiography) |
| 17. HINDUSTAN ENGINEERING &<br>INDUSTRIES LTD<br>Mody Building, 27 Sir R. N. Mukharjii Road<br>Kolkatta 700001<br>India<br>(industrial radiography)                             | 18. INDIRA Gandhi Centre for Atomic Research<br>Radiological Safety Division, Kalpkkam<br>603102<br>India<br><br>(industrial radiography)   |
| 19. INDUS NDT & HEAT TREATERS<br>Row House No. 11, Hill View CHS Ltd.<br>Saikrupa Complex<br>Kashimira Road, Thane 401104<br>India<br>(industrial radiography)                  | 20. INDUSTRIAL X-RAY & ALLIED<br>RADIOGRAPHERS P. LTD<br>102 Faizen Apartment, 1st floor, S. V. Road<br>Jogeswari (W) Mumbai 400102<br>India<br>(industrial radiography)                          |
| 21. INJO TECHNICAL SERVICES<br>Office no. 44 Yugay Mangal Complex<br>Kothrud, Near ICIC Bank PUNE 411038<br>India<br>(industrial radiography)                                   | 22. INTERNATIONAL RADIOGRAPHY SERVICES<br>RM.1 12 Udyog Darshan Society G-Block,<br>MIDC<br>Shahunagar Chinchwad, Pune 411019<br>India<br>(industrial radiography)                                |

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

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| <p>23. INTEROCEAN SHIPPING CO<br/>506 Embassy Centre, 207 Naroman Point<br/>Mumbai 400021<br/>India<br/>(industrial radiography)</p>                                | <p>24. IRICO (Admin Office)<br/>SP-111, Ambattur Industrial Estate<br/>Ambattur, Chennani 600058<br/>India<br/>(industrial radiography)</p>                                   |
| <p>25. IRICO (Coimbatore)<br/>No 75, Sidco Industrial Estate Kurichi<br/>Coimbatore 641021<br/>India<br/>(industrial radiography)</p>                               | <p>26. IRICO (Plant B)<br/>Old No 69<br/>Natesan Nager<br/>Vivekananda Street, Athipet, Chennai 600095<br/>India<br/>(industrial radiography)</p>                             |
| <p>27. IRICO (Ranipet)<br/>No. 477/9, Sipcot Industrial Estate Ranipet-<br/>632403<br/>India<br/>(industrial radiography)</p>                                       | <p>28. JUPITER INSPECTION SERVICES<br/>Plot no. 406, 4th floor, Arjun Park, Chs. Ltd.<br/>Road no.9, Raghunath Nager, Thane 400604<br/>India<br/>(industrial radiography)</p> |
| <p>29. METALAB<br/>42A Industrial Area, Govinpura<br/>Bhopal (M.P) 462023<br/>India<br/>(industrial radiography)</p>  | <p>30. METALCARE ENGINEERING SERVICES<br/>S.F.No.151 Trichy Thuraiyur Road<br/>Peramangalam, Tiruchirappalli 621006<br/>India<br/>(industrial radiography)</p>                |
| <p>31. NATIONAL POWER CORP of INDIA LTD<br/>Rawatbhata Rajstahan Site Unit 5 &amp; 6<br/>P.O. Anushakti, Via-Kota 323303<br/>India<br/>(industrial radiography)</p> | <p>32. NATIONAL RADIOGRAPHY SERVICES<br/>63 Gokul Nagar – 3, Saibaba School Kalai Fatak<br/>Atladra, Vadodara 390012<br/>India<br/>(industrial radiography)</p>               |
| <p>33. NDT SYSTEMS PVT LTD<br/>C-15 Sunrise CSH Ltd, Shiv Vallabh Road<br/>Ashokvan, Borivali (East), Mumbai 400066<br/>India<br/>(industrial radiography)</p>      | <p>34. NIMAY NDT SERVICES<br/>43/B GIDC, Makarpura Industrial Estate<br/>Vadodara 390010<br/>India<br/>(industrial radiography)</p>   |

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

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| <p>35. NOBEL NDT SERVICES<br/>Shop No. 2 Baija Complex, Near Sant Gajanan Hospital<br/>Chimbali Phata, Pune Nashik Road, Pune 410501<br/>India<br/>(industrial radiography)</p>                  | <p>36. PROCESS CONSTRUCTION &amp; TECHNICAL SERVICES (P) Ltd.<br/>8,9,10, SHREE RAMKRISHNA NIVA " Plot no.46,47<br/>Sector-40, Seawoods Nerul (West) N. Mumbai 400706<br/>India<br/>(industrial radiography)</p> |
| <p>37. PROTAN NDT SERVICES<br/>SF 21 Vardan Apartment, Abhay Khand 3 Indrapuram, Ghazaibad 201010<br/>India<br/>(industrial radiography)</p>   | <p>38. RADAX SERVICES<br/>42/2A Maharani Indira Devi Road Pallishree, Kolkatta 700060<br/>India<br/>(industrial radiography)</p>   |
| <p>39. RADIOTECH<br/>87-90 Bahagvati Estate, B/H Uttam Dairy Aamraiwadi Road, Ahmedabad 380026<br/>India<br/>(industrial radiography)</p>  | <p>40. REAL NDT INSPECTION SERVICES<br/>Flat no.14 Ritesh Residency, Guruvihar, Pune Nashik Highway Bhosari ,Pune 400039<br/>India<br/>(industrial radiography)</p>  |
| <p>41. S &amp; P NDT SERVICES<br/>203/1 Ashanagar, Near Shindhvai Gam, Vimal Washing<br/>C.T.M. Char Rasta, Ramol Road, Ahmedabad 380026<br/>India<br/>(industrial radiography)</p>              | <p>42. SCIENTECH SERVICES<br/>No. 15 Singasandra, 14th KM Hosur Road Bangalore 560068<br/>India<br/>(industrial radiography)</p>   |
| <p>43. SIASRUSHTHI TECHNICAL SERVICES<br/>B-107 Punit Industrial Estate, Plot no. D11/11A Turbhe MIDC, Thane Belapur Road, Thane 400705<br/>India<br/>(industrial radiography)</p>               | <p>44. SIDDHI TECHNICAL SERVICES<br/>Gat No. 890/9, Plot No. 23, MIDC Shirolu Nagaon, Kolhapur 416122<br/>India<br/>(industrial radiography)</p>   |
| <p>45. SIGMA INSPECTION &amp; TESTING PVT. LTD<br/>Plot no. 1607, Phase 1&amp;2 Lion School Road, Mahavir<br/>Rice Mill GIDC Naroda, Ahmedabad 382330<br/>India<br/>(industrial radiography)</p> | <p>46. SITAS NDT (BANGALOR CORP OFFICE)<br/>#51, 3rd Floor, 5th Main Road, 36th Cross, 5th Block<br/>Jayanagar, Bangalore Karnataka 560041<br/>India<br/>(industrial radiography)</p>                            |

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

47. SITAS NDT (COIMBATORE)  
SF No. 472/1,2,3, Sendhampalayam, S.S.  
Kulam (via)  
P.G.Pudur(Post) Coimbatore 641107, Tamilnadu  
India  
(industrial radiography)
48. SITAS NDT (HUBLI)  
Plot No. 90 B, Tarihal Industrial Area  
Tarihal, Hubil Karnataka -580 026  
India  
(industrial radiography)
49. SITAS NDT (SHIMOGA)  
No. 19 - F, Machenahalli Shimoga, Bhadravathi  
Industrial Area  
Shimoga - 577222, Karnataka  
India  
(industrial radiography)
50. UNIQUE NDT SERVICES  
Plot no. 88, Sector no.10, Bhosari  
Near Spine Road Pune 411026  
India  
(industrial radiography)
51. UNIQUE RADIOGRAPHY SERVICES  
185-186 Shubh Industrial Estate, Near Zaveri  
Estate  
Kathwada GIDC, Odhav, Ahmedabad 382415  
India  
(industrial radiography)
52. View NDT (Coimbatore)  
S.F.No. 233/2B & 2C  
MasagoundanChettiPalayam Village  
Telungupalayam Road, Near Annur Coimbatore  
641653  
India  
(industrial radiography)
53. View NDT (Trichy)  
1152/A, Kainankarai, Mathur Post Pudukkottai  
Road  
Trichy 622515  
India  
(industrial radiography)
54. WEB NDT SERVICES  
Main Market Anapara, DTH Baba Road  
Sonbhadra 231225  
India  
(industrial radiography)

**MANDATORY ADVANCED NOTIFICATIONS PER 10 CFR PART 110.50(c)**

The following Advanced Notifications must be made to both the NRC and, in case of exports, the government of the importing country in advance of each shipment:

Mandatory Advanced Notifications to the NRC are to be emailed to [hoo.hoc@nrc.gov](mailto:hoo.hoc@nrc.gov) (preferred method) or faxed to the NRC at 301-816-5151. In the subject line of the email or on the fax cover page include: "10 CFR 110.50(c) Notification." For technical assistance, use the same e-mail address or call 301-287-9056.

Mandatory Advanced Notifications to the government of the importing country must be emailed or faxed to the appropriate foreign government authorities. To locate the point-of-contact for international Advanced Notifications see: <http://www-ns.iaea.org/downloads/rw/imp-export/import-export-contact-points.pdf>. In the subject line of the email or on the fax cover page include: "NOTIFICATION TO THE IMPORTING STATE PRIOR TO SHIPMENT OF CATEGORY 1 OR 2 RADIOACTIVE SOURCES." For technical assistance or for countries not listed, contact the Office of International Programs' export/import staff at 301-287-9056.

**Table 1: Appendix P to Part 110 Category 1 and Category 2 Radioactive Material Threshold Limits**

Radioactive Material	Category 1		Category 2	
	Terabequerels (TBq)	Curies (Ci) <sup>1</sup>	Terabequerels (TBq)	Curies (Ci) <sup>1</sup>
Americium-241 (Am-241)	60	1,600	0.6	16
Americium-241/Beryllium (Am-241/Be)	60	1,600	0.6	16
Californium-252 (Cf-252)	20	540	0.2	5.4
Curium-244 (Cm-244)	50	1,400	0.5	14
Cobalt-60 (Co-60)	30	810	0.3	8.1
Cesium-137 (Cs-137)	100	2,700	1.0	27
Gadolinium-153 (Gd-153)	1,000	27,000	10.0	270
Iridium-192 (Ir-192)	80	2,200	0.8	22
Plutonium-238 <sup>2</sup> (Pu-238)	60	1,600	0.6	16
Plutonium-239/Beryllium <sup>2</sup> (Pu-239/Be)	60	1,600	0.6	16
Promethium-147 (Pm-147)	40,000	1,100,000	400	11,000
Radium-226 <sup>3</sup> (Ra-226)	40	1,100	0.4	11
Selenium-75 (Se-75)	200	5,400	2.0	54
Strontium-90 (Y-90)	1,000	27,000	10.0	270
Thulium-170 (Tm-170)	20,000	540,000	200	5,400
Ytterbium-169 (Yb-169)	300	8,100	3.0	81

**Calculation of Shipments Containing Multiple Sources or Radionuclides:**

The "sum of fractions" methodology for evaluating combinations of radionuclides being transported is to be used when import or export shipments contain multiple sources or multiple radionuclides. The threshold limit values used in a sum of the fractions calculation must be the metric values (i.e., TBq).

I. If multiple sources and/or multiple radionuclides are present in an import or export shipment, the sum of the fractions of the activity of each radionuclide must be determined to verify the shipment is less than the Category 1 or 2 limits of Table 1, as appropriate. If the calculated sum of the fractions ratio, using the following equation, is greater than or equal to 1.0, then the import or export shipment exceeds the threshold limits of Table 1 and the applicable security provisions of this part apply.

II. Use the equation below to calculate the sum of the fractions ratio by inserting the actual activity of the applicable radionuclides or of the individual sources (of the same radionuclides) in the numerator of the equation and the corresponding threshold activity limit from the Table 1 in the denominator of the equation. Ensure the numerator and denominator values are in the same units and all calculations must be performed using the TBq (i.e., metric) values of Table 1.

- R1 = activity for radionuclides or source number 1      AR1 = activity limit for radionuclides or source number 1
- R2 = activity for radionuclides or source number 2      AR2 = activity limit for radionuclides or source number 2
- RN = activity for radionuclides or source number n      ARN = activity limit for radionuclides or source number n

$$\sum_1^n \left[ \frac{R_1}{AR_1} + \frac{R_2}{AR_2} + \frac{R_n}{AR_n} \right] \geq 1$$

<sup>1</sup> The values to be used to determine whether a license is required are given in TBq. Curie (Ci) values are provided for practical usefulness only and are rounded after conversion.

<sup>2</sup> The limits for exports of Pu-238 and Pu-239/Be can be found in § 110.21.

<sup>3</sup> Discrete sources of Radium-226.