DISPOSAL OF RADIOACTIVE SOURCES

S. P. EQUIPMENT & SERVICES

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1.**STATUS:**

Partnership Firm established on 01.07.1997.
We are registered under eLORA System of AERB& have qualified Radiation Safety Officer.
We have Radiation Survey Meter with valid Calibration Certificate.

2. **SERVICES**:

We provide Technical Assistance for import of new radioactive sources & export of old radioactive sources for over17 years.

We give technical assistance for import / export radioactive sources of nucleonic gauges of big Corporate from & to Overseas Suppliers, as per Rules of the Regulators.

Consignment weighed from less than 5.0 Kg to over 18 Tons.

4. **TECHNICAL ASSISTANCE -IMPORT OF NEW SOURCES:**

- Assist in getting NOC of AERB for import of new sources.
- Coordinate with Overseas Supplier on documentation required in India.
- Assist in Custom clearance in name of Consignor& safe Transportation as per the Rules.

5. **TECHNICAL ASSISTANCE - DISPOSAL OF OLD SOURCES**:

- Study present condition & advice on packaging.
- Import Type-A Shielding / Barrel, as required.
- Provide extra protection for deformed shielding to arrest surface radiation.
- Packing as per norms of Overseas Consignee, Indian & Foreign Regulators.
- Assist in Transport Permission of AERB.
- Transport of sourcesallowed for disposal in India to BRIT, Waste Management Facility (WMD) or ECIL.
- Assist in preparation of documents required by Custom, Airlines, Consignee etc. for export of old sources, in name of owner.
- Get clearance of Overseas Consignee by submitting Forms, Certificates & Photos.
- Tie up with airlines for transportation of hazardous cargo to consignee.
- Arrange Transport of old sources to Mumbai airport for export.
- Arrange Custom Clearance in name Consignor.
- Submit Export Documents & Confirmation of Source Receipt of Consignee.

IMPORTANT:

Export of old sources is done without asking for documents for import of the sources.

6. PRINCIPALS:

- BERTHOLD Technologies (India) for sources of BERTHOLD, Germany &
- Eckert & Ziegler, Germany for sources of any make of nucleonic gauges.
- QSA Global, Inc., USA & NRD LLC, USA for sources of USA origin.

7.**RECENTJOBS:**

7.1 **FY2018-19**

- Arranged import of 38 nos. new radioactive sources from BERTHOLD for JSW Steel, Toranagallu Plant in September, 2018. Gross Weight: 18 Tons.

- **Export** of old radiation sources:
  A) One Source of Seshasayee Paper & Boards Ltd., Tamil Nadu in July, 2018
  B) Two Sources of ESSAR Steel India Ltd., Hazira in September, 2018
  C) Four Sources of IFFCO Ltd., Anola in November, 2018
  D) One Source of JSW Steel Ltd., Dolvi Plant in December, 2018
  E) Twenty Five Source of J K Paper Mills, Rayagada in Feb., 2019.

7.2 **FY2019-20**

- **Export** of old radiation sources:
  A) Eight Sources of SAIL, Durgapur Steel Plant in April, 2019,
  B) Ten Sources of Usha Martin, now Tata Long Products Ltd., Jamshedpur in May, 2019,
  C) Four Sources of BALCO Ltd., KORBA in July, 2019,
  D) Three Sources of Tata Steel Limited, SUKINDA Ore Mines in July, 2019&
  E) Two Sources of SANDVIK Asia, Pune, in Nov., 2019,
  F) Two Sources of Seshasayee Paper & Boards Ltd., in Feb., 2020
  G) Forty Eight Sources (26 nos. Rod + 22 Nos. Point) of JSW Steel Ltd., in Feb., 2020.

7.3 **FY 2020-21**

- **Export:**
  A) Five Sources of Hindalco Ind. Ltd., Birla Copper, Dahej in Oct., 2020
  B) Twenty Sources (15 nos. Cs-137, 2 nos. Am-241 & 3 nos. Cm-244) of Tata Steel Ltd., West Bokaro Mines, Ghatotand (JH) in Nov., 2020,
  C) Two Sources of HPCL, Vizag Refinery in Dec., 2020,
  D) One Source of IFFCO, Kalol,
  E) Two Sources of Jindal Stainless (Hisar) Ltd.&
  F) One Source of Gujarat Environmental Management Institute, Gandhinagar

7.4 **FY 2021-22**

- **Export:**
  A) One old Source of JSW Steel Ltd., Dolvi Plant,
  B) Ten old sources of Tata Steel Limited, Jamshedpur
  C) One old Source of Sesashayee Paper & Boards Limited, Tamil Nadu
  D) One old Source of SAIL, Bokaro Steel Plant,
  E) Two Sources of BF#2 of JSW Steel Ltd. &
  F) Eleven Sources of SMS#2 of JSW Steel Ltd.

- **Delivery to BRIT**:
  One old Source of ICAR – Research Institute for Jute & Allied Fibres, Kolkata
  Thirty Two old Sources of Hindustan Zinc Ltd., R A Mines
  Twenty Seven old sources of Hindustan Zinc Ltd., Zawar Mines &
  Seven old sources of Bharat Coking Coal Limited, Dhanbad
  Three Sources of Rashtriya Chemicals & Fertilizers Ltd., Trombay

7.5 **Orders - Under Execution: For Export& Delivery at BRIT**

- Export:

I) Thirteen Sources of LD#2 of Tata Steel Ltd.

- **To BRIT**:

i) Seven old sources of JSW Steel Ltd.
ii) Fifteen Old Sources of Hindustan Zinc Limited, Rajpura Dariba Mines
iii) One Source of ULTRATECH Cement Ltd., Gujarat

8. **DISPOSAL at BRIT:**

- We arrange Packaging, Transport & Delivery of old Sources at BRIT&executed orders of NIRMA Ltd., Tata Steel, Bamnipal& West Bokaro Mines, Tata Steel BSL Ltd., Angul, HZL, R A Mines, HZL, Zawar Mines, BCCL, Dhanbad, RCF Ltd., Trombay.

- We executed order of **Star Cement CO. LLC, Ras Al Khaimah, UAE** (of AV Birla group), involving extraction of4 old Sources of BRIT from Operation Shielding &transfer into Transport Container (provided by us), import at Mumbai & delivery at BRIT.

9. **DISPOSAL at ECIL &WMD, BARC, Mumbai:**

- We delivered old sources of Tata Steel, West Bokaro, HZL, R A Mines& JSW Steel, Dolvi at ECIL, Hyderabad,
- We delivered high activity old Sources of Tata Steel, Jamshedpur at WMD, BARC, Mumbai.

10. **OUR CUSTOMERS:**

A. **Steel Plants**: JSW Steel Ltd., Toranagallu, Dolvi & Salem, Jindal Steel & Power Ltd., SAIL, Bokaro & Durgapur, Usha Martin (now Tata Long Products Ltd.), Jamshedpur, Jindal Stainless Steel, Hisar, ESSAR Steel, Hazira, Mukand Ltd., Mahindra Sanyo, Hindalco Industries Ltd., Birla Copper, Jayaswal NICCO etc.
B. IFFCO, Kalol, Anola & Phulpur Plants, Brahmaputra Valley, Assam, GNFC, Bharuch.
C. NIRMA Ltd., Bhavnagar, Saurashtra Chemical, GODREJ Ltd., Bharuch, DHUNSERI Petrochemicals Pvt. Ltd.,Haldia, IOCL R&D, Faridabad, JLN Medical College, Ajmer,
D. Seshasayee Paper & Boards, Ltd., Tamil Nadu, J. K. Paper Mills, Rayagada, Orissa, BALCO Ltd., SANDVIK Asia Pvt. Ltd. Hindalco Industries Ltd., Birla Copper. Hindustan Zinc Limited, R A Mines & Zawar Mines, RCF Ltd., Trombay
E. **Tata Steel**: Jamshedpur Plant, Ferro Alloy Plant, Bamnipal, Orissa, West Bokaro Coal Mines, Jharkhand& Chrome Ore Mines, Sukinda, Orissa.
