ENVOLTA

EMPOWERING
THE NATION

CORPORATE PROFILE

www.envolta.in

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FROM CEO'S DESK

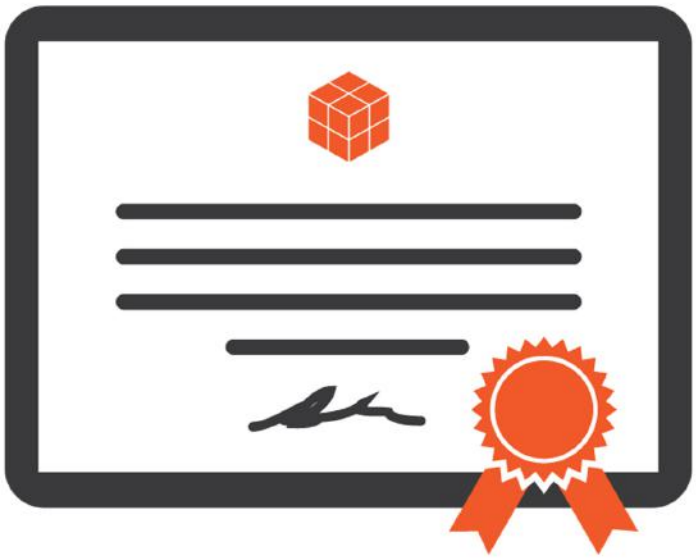
Envolta's mission is to help institutions make better decisions to reduce radiation exposure risk. Our Advisory Board team is passionate about building technology that helps customers simplify their work, manage safety vulnerability risks effectively, and empowers them to make more informed decisions.

We have a technology business that enables people to fulfil their desires and aspirations.

ENVOLTA is committed to translating its discoveries and innovations into usable applications as products, and services that can provide economic well-being, as well as secure sustainability benefits to the world, people, and the environment.

Based on our accrued technique and experience, we will endeavour to satisfy our clients by cutting costs, enhancing quality, and honing their skills.

CERTIFICATIONS & ACCREDITATIONS



CERTIFICATIONS: ISO 9001: 2015

Institution Registered:

- FOR QUALITY ASSURANCE & DIAGNOSTIC RADIOLOGY
- RADIATION PROTECTION SERVICES
- NUCLEONIC GAUGES
- INDUSTRIAL RADIOGRAPHY
- SUPPLY OF SEALED SOURCE
- ATOMIC ENERGY REGULATORY BOARD

ENVOLTA™

VISION AND VALUE

Vision:

To deliver excellence in innovation, insight, and discovery through our people, partnerships, nuclear expertise, and landmark infrastructure.

Efficiency:

Our customizable business solutions help our customers to implement processes and our systems make all business operations faster, simpler, and more efficient. We deliver efficient results through our expertise.

Values:

Envolta values underpin vision, capabilities, and strategic objectives and we are critical about how we carry out our work. We also describe how well our people will engage with each other as well as with external stakeholders.

Speed to Market:

Compliance with the requirement of target markets is the key to accelerate the market. Our consultation services help customers to understand the subject in a better way.

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Quality

Our clientele rely on our unbiased third-party inspection, testing, and auditing solutions to ensure the products, services, and overall process complies with the latest quality standards.

Sustainability

We help our clients to attain a more responsible and a sustainable future. We encourage environmental responsibility and reduce the risks of our projects.

Integrity

We act with integrity and behave very responsibly. We abide by the rules, laws, and regulations of the countries wherein we operate.

We speak up

We are quite confident to raise our concerns pertaining to the subject related proposals brought to us.

ENVOLTA™

OUR BUSINESS STREAMS

INDUSTRIAL SERVICES

We ensure your machines and systems stay safe for longer and work better.

PRODUCTS

We test, evaluate, and safeguard.

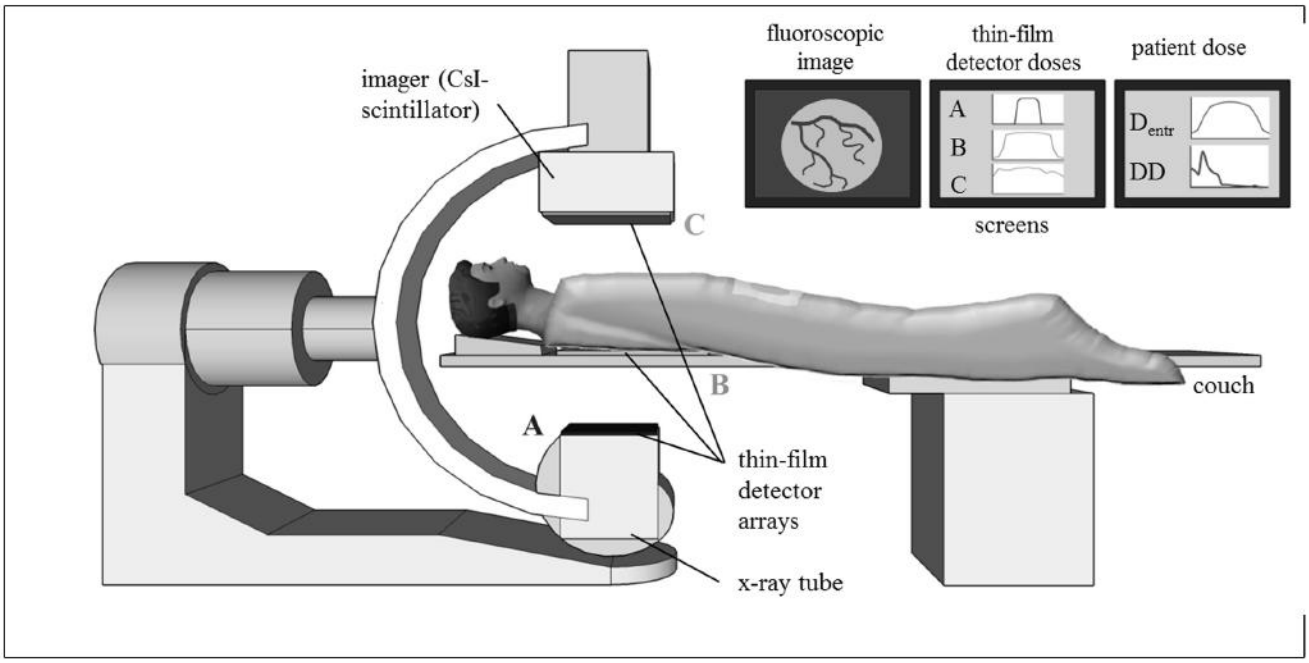
ENVOLTA™

QADR CONSULTING SERVICES

X-Ray procedures are performed almost every day for medical purposes; the exposure to these operations/procedures cannot be avoided. However the same could be minimized by implementing certain steps that ensure proper installation of extra equipment in diagnostic X-Ray facilities with safety.

Diagnostic Radiology is the major provider of the total dose of the population from all artificial sources. To limit radiation exposure and optimize diagnostic X-Ray image quality, it is required to increase the quality and efficiency of quality assurance and audit programs.

From the outset, we have strived to build up an enviable clientele that includes several private as well as public industrial sector units in India. Atomic energy Act & Radiation Protection Rules follow terrestrial laws and are effective only in India. We have aimed to employ professionals with highcalibre and in-depth knowledge and experience to meet our clients' aspirations with ease. Our entire team of qualified professionals have several years of experience working in the realm of Radiation Protection.



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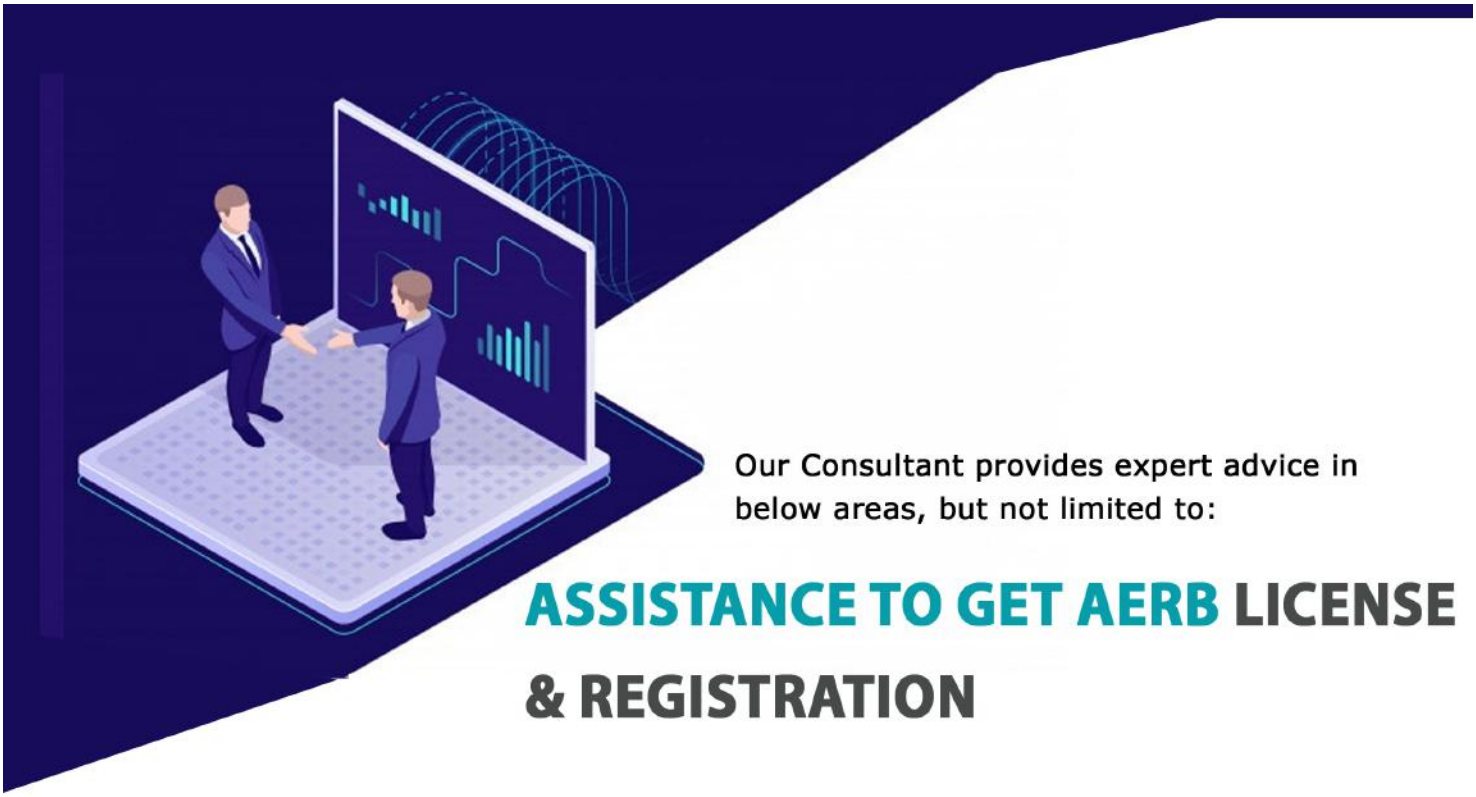
We pride ourselves on the relationship we develop with our clients, enabling them to feel comfortable dealing with us, often in confidence, on delicate matters of both legal and ethical. With ample experience and efficiency in radiation protection, we can handle the unique problems encountered by our clients in a way not often found.

We aim to work with the client on one to one basis. This enables each client to have the main point of contact with Envolta via a named professional.



Our Consultant provides expert advice in below areas, but not limited to:

ASSISTANCE TO GET AERB LICENSE & REGISTRATION

To improve compliance by radiation facilities towards the provisions of the Rules as well as regarding the specified safety requirements, AERB launched a website based e-licensing (eLORA) system to facilitate easy filling of application for obtaining the AERB License/Registration. AERB has also undertaken a series of advertisements via print media with a view to reach out the respective stakeholders and also connect with the public at larger scale and subsequently cautioned them to obtain the License/Registration from AERB, which is a statutory requirement in the country.

It is therefore advised to those entire medical diagnostic units
Who has not yet obtained License/Registration from AERB,to apply immediately?

Our executives are well versed with the process and with a
Simple questionnaire and basic documentation; Envolta willassist and obtain the License/Registration of AERBfor your medical diagnostic X-Ray equipment at a nominal cost.

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PRODUCTION OF SAMPLING PROGRAMS FOR LAND REMEDIATION OF CONTAMINATED SITES

Land remediation reinstates previously marginal land for beneficial use and safeguards the undeveloped areas from radiation exposure. It is thus an important standpoint of sustainable development, especially concerning reserve management and for reducing dependency and landfills.
In case of a limited level of contamination, protective and restrictive measures need to be adopted to reduce the danger to humans and the environment.

We work minutely with the clients to recognize the most appropriate land remediation plan.

Envolta has earned the goodwill for complying with the need of the clients through regulation while reinstating the value of their property.

ENVOLTA™

With our experienced personnel, we offer practical and lucrative land remediation services for soil plots, landfill, vis-à-vis other brownfield restoration services.

Envolta offers the following services:

- Preliminary assessment of the affected land.
- Recognizing appropriate land remediation methods and plan according to government regulation.
- Examination of radioactive exposure level and implementing measures to level it down to the permissible limit.
- Provision for safe and corrective measures for the disposal of hazardous substances.

Designing of Room layout as per Regulatory Guidance:

X-Ray equipment must be installed in an adequately shielded room to ensure that the public near X-Ray Installations is not unduly exposed to x-ray radiation. The adequacy of shielding depends on the material and thickness used for this purpose.

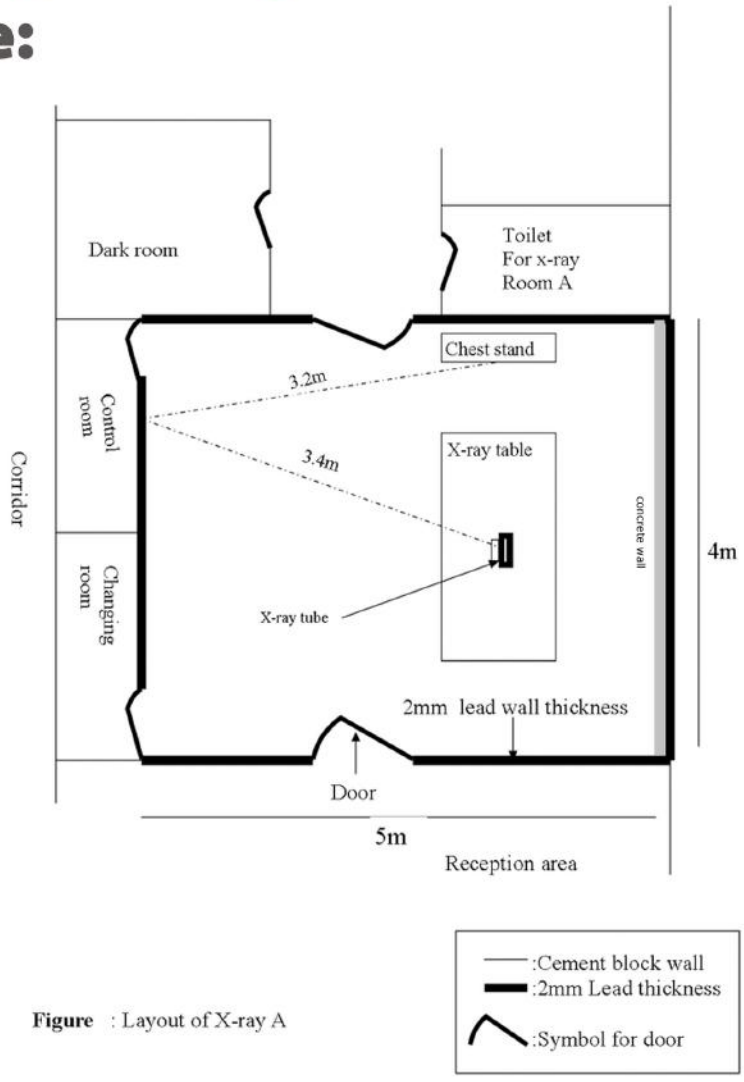

Figure : Layout of X-ray A

There are various factors to be considered & adhered to, such as:

1) Suitable room

2) Doors and Windows

3) Sequence of Walls

4) Positioning the equipment, highly variable depending on the equipment

5) The distance between the walls, doors, windows, and couch

6) Shielding depending on equipment

7) TLD Badges for Radiation Workers.

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NORM AND TENORM

NATURALLY OCCURRING RADIOACTIVE MATERIAL

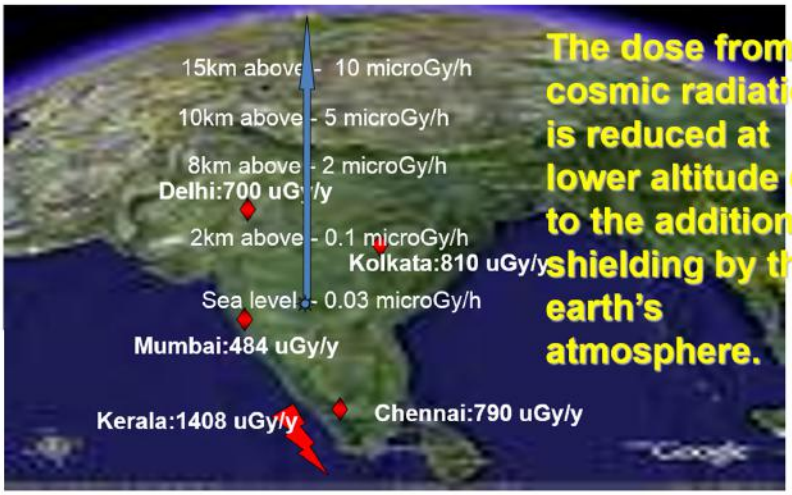
NATURALLY OCCURRING RADIOACTIVE MATERIAL

NORM is found in sand, soil, rocks, ores, and minerals. The generation of such wastes has the potential to induce radiation exposure in both radiation workers and in the common public along with an array of other environmental ill-effects.

Oil and gas industries mainly deal with three types of radionuclides which are Radium 226, Radium-228, and Radon-222. Uranium-238 and Thorium-232 are the naturally occurring elements by which Radon and Radium are produced.

We handle radioactive wastes from industrial sources nationwide. We ensure that the NORM waste is safely handled, transported, and disposed of, as per the safety standards set by the apex body.

Envolta meets the client's requirements for an on-site inspection in the presence of RSO, who are fully trained, well-equipped, and capable of source handling, survey process, waste management, shielding, labelling, and disposal of radioactive waste.



TENORM (TECHNOLOGICALLY ENHANCED NATURALLY OCCURRING RADIOACTIVE MATERIAL)

TENORM is produced where the radiological, physical, and chemical properties of the NORM get concentrated by either processing or by distributing in such a way that it increases the possibility of human or environmental exposure. Employees working in TENORM producing industries may be occupationally exposed to ionizing radiation.

We have a dedicated team to analyse the level of TENORM generated by the company's production, operations and to develop a comprehensive NORM handling mechanism.

Envolta detects the presence and ensures the quality of the radioactive wastes, trains the staff; evaluates the safety and caters to the safe handling or disposal of the radioactive waste under the guidance of the regulatory body.

TRADING:

We offer technical solutions limited to the field of radiation protection, process control, and environmental monitoring. The corresponding instruments include survey meter, radiation contamination meter, area monitors, electronic personal dosimeter, radiation protection suits, and shields, as well as hand-held radio-isotope indentifier and detector.

Envolta also offers protective lead aprons to provide necessary shielding from secondary radiation to several occupation workers.

KEY FEATURES OF RADIATION COAT APRON

- Lightweight lead apron (0.5 mm Pb Lead equivalence)
- Wide stretchable Velcro Fastening
- Maximum coverage protection
- Easily adjustability to persons of any built and size.
- Gamma Sterilized apron
- AERB approved
- Easy to wear and remove.

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Thyroid Collar

- Specially designed to protect the thyroid gland per fectly.
- Convenient to wear, lightweight & easy movement of the neck.
- Flexible enough to fit any neck size.

SAFETY & SECURITY

RPM (Radiation Protection Monitor) is a highly complex and consistent detection device for automatic as well as continual radioactivity detection. It provides a non-invasive measure to screen individuals for any kind of traces of radioactive element. RPM offers a combination of high sensitivity and fast development, put together in an increased degree of optimum body protection.

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INDUSTRIAL RADIOGRAPHY

Industrial Radiography technique is a type of Non-Destructive Testing. It is used to detect cracks, slugs, and a lack of fusion in the manufactured materials. In this method, radiation is used, to examine the core components of the material without destructing its physical or chemical structure. This activity is eventually performed with the help of electromagnetic radiation without affecting the physical or chemical morphology.

We would like to introduce ourselves as the pioneer in the field of Non-Destructive Testing. We deliver quick and detailed insight to corroborate internal features of parts and assemblies through the use of the radiographic system.

Envolta, an AERB acclaimed radiography unit, offers a full range of industrial radiography services and techniques. Our trained radiation safety officer has the acumen to handle various projects both onsite and offsite to expedite the process in a technically sound and an economic way.

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DOSIMETRY

Radioactive substances and certain equipment that emit ionizing radiation may turn out to be a source of health hazard. With a view to curb down the effect, Dosimeters are used to estimate the maximum radiation dose a person may receive, occupationally, or non-occupationally. Ionizing radiation, cannot be detected by human sense organs, but it is used to measure the accumulated dose by wearing a dosimeter.

In order to attain optimum safety in the field of radiological protection, proper monitoring of the overall ionizing radiation dose data is extremely important. Presently, the National Occupational Dose Registry System (NODRS) located at the Bhabha Atomic Research Centre (B.A.R.C.) maintains as well as updates annual and lifetime dose data for all monitored radiation workers.The recorded dose data are further processed and reported to the competent institution along with uploading those in NODRS, where lifetime dose records of all radiation workers are subsequently maintained. The institution then issues TLD Badges to ensure monitoring and safety.

Dosimeters do not usually provide a prompt reading neither it protects nor shields anyone from radiation exposure. It merely informs about the magnitude of radiation that has been received by an individual wearing the dosimeter.

Occupational dose limits are set as per the regulations to protect workers or people working within the radius of ionizing radiation.

We are dedicated to provide our clients with the ultimate radiation monitoring services coupled with accurate assessments and offer every possible assistance to our valued customers.

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ORGANISATIONAL STRUCTURE

- CFO- CHIEF FINANCIAL OFFICER
- CCO- CHIEF COORDINATING OFFICER
- CTO- CHIEF TECNICAL OFFICER

ENVOLTA

Simplifying the Complexity
of Global Business

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