

TLDGUARD

RFID Based TLD Management System

Aids flawless recording of Absorbed Dose



TLD Attached
with RFID TAG

- ➔ Reduction in Mysterious Radiation Dose
- ➔ Section-wise Head-count in Emergency
- ➔ Relieves Health Physicist
- ➔ Easy and User Friendly
- ➔ Saves Time and Increases Productivity

SENERGY INTELLUTION PVT. LTD.

TLDGUARD

TLDGuard is a RFID based efficient TLD management system which issues TLDs to authorized users only. It locks TLDs and prevents unauthorized TLD access, guarding against misused TLDs.

- ✓ Field proven across India, 6+ years of operating experience.
- ✓ TLD is attached with a RFID tag which is uniquely identified in the cabinet.
- ✓ TLD functionality is not altered in any manner.
- ✓ User identification: ID card/ PIN entry.
- ✓ Blinking multi-colour LED indicates TLD being released.
- ✓ Logs time of issue and time of return accurately.
- ✓ User interface: colour graphic LCD and keypad.
- ✓ Release-all-TLDs mode for administrator, Auto TLD Cassette swaps function.
- ✓ Works in standalone / networked mode.
- ✓ Alarm contact outputs, Digital inputs for external interface.
- ✓ Modular design: field expandable, in multiple of 12 TLDs.
- ✓ TLD release tool can be used to remove any TLD in case of emergency.
- ✓ Contamination detection aid option using internal dose recording & analysis.
- ✓ Quick TLD dispensing ~ 2Sec.
- ✓ Logs transaction events in offline mode.
- ✓ Enclosure: 18 SWG, MS powder coated cabinet, with SS front plate.
- ✓ Compact Dimensions: 820W 910H 110D mm (180TLDs)

Software

- ✓ Real-time tracking of TLDs present in cabinet, drawn TLDs, over-due TLDs.
- ✓ Provides logs, reports of drawn TLDs, late-return TLDs along with user details.
- ✓ Generates numerous reports based on TLD transactions for any period.
- ✓ Provides hours of TLD usage in a day / month / year. (~ Dose Absorbed)
- ✓ Web browser based GUI to manage multiple TLDGuard cabinets.
- ✓ Multiuser login password and rights.

RADIO CHEMICAL LABORATORY																																
TLD Usage Report, Month-APRIL 2015																																
TLD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	Unit
DA0034	30	120	45	0	0	100	180	60	35	150	0	0	300	20	80	90	150	0	0	360	240	170	90	120	0	0	60	90	180	120	2790	minutes
AV0035	150	20	150	0	0	50	60	360	45	40	0	0	280	90	65	75	10	0	0	180	20	175	190	35	0	0	198	0	70	65	2328	minutes
KA0138	109	60																													2558	minutes
MK0050	40	16																													2239	minutes
PR0051	150	95																													2675	minutes

RADIO CHEMICAL LABORATORY															
TLD Usage Report, Year-2014															
Emp Name	TLD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Unit
Dhawale A.	DA0034	69	80	120	136	110	90	85	72	80	136	100	69	1147	Hours
Natrajan V.	AV0035	75	82	100	95	112	88	77	65	67	64	90	110	1025	Hours
Goswami A.	KA0138	70	92	136	72	80	78	90	96	90	136	80	100	1120	Hours
Mithilesh k.	MK0050	94	69	100	0	65	76	84	112	87	90	69	69	915	Hours

About Us

With 15+ years of experience, Senergy manufactures reliable and customized electronic products used in Nuclear power plants, nuclear labs, defence establishment and industries.

TLDGUARD - Major Users

- ✓ PMD, IGCAR
- ✓ PREFRE, BARC
- ✓ PP, BARC
- ✓ RLG, BARC
- ✓ RMP, Mysore
- ✓ AFFE, BARC
- ✓ EBC, Kharghar
- ✓ WMD, BARC
- ✓ Narora Nuclear Power Plant
- ✓ UED, BARC
- ✓ FCD, BARC
- ✓ RCI, IGCAR, Kalpakkam

For More Details

Visit: 351/352 Edison,
Raheja Tesla Industrial Estate,
MIDC, Juinagar,
Navi Mumbai - 400705

Call : +91-22-2087 5021 / 22 / 23
Write: info@senergy.net.in
Website: www.senergy.net.in