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NEW IRICEN BUILDING

Salient Features

- Total plot area - 108m×68m (7344 Sq M)
- Built up area - 8700 Sq M
- No. of floors - Stilt + four
- Floor-wise facilities :
- Stilt : Parking, Heavy Laboratory, Supervisor's Offices, Sub-station, UPS Room, Solar Panel Room, Auditorium.
 - 1st Floor : Auditorium, Laboratory, Museum.
 - 2nd Floor : Offices, Library, Reading Room.
 - 3rd Floor : Class Rooms, Server Room, Conference Hall.
 - 4th Floor : Director's Chamber, Committee Hall, Faculty Chambers.

Construction Features for Energy Conservation

- Use of Fly Ash Bricks with 50 mm wall Insulation, Over deck EPS insulation
- Most Efficient LED Lighting fixtures with Occupancy and Daylight Sensors
- Internal Lighting Power Density - 0.45 Watts/sft as compared to 1.1 W/sft
- Double Glazed Window to cut Solar Heat Gain to SHGC 0.31
- Most Efficient VRV (Variable Refrigerant Volume) AC Units of COP (Coefficient of Performance) upto 4.8
- 40 kW of Solar Power including BIPV meeting 11.24 % of the total energy cost
- Measurement and Verification of Energy and Water Consumption with BMS (Building Management System)
- Third Party Commissioning for all Energy Systems

Innovative Measures

- Released wood from old ORH used for door frames and wood from Badminton Court used for Stage Flooring in Auditorium.
- Released wooden sleepers for Wall paneling in auditorium, Atrium rings, canopy ceiling .
- Use of water for Landscaping from IRICEN Hostel Septic tank after treating in STP at Tertiary level as sufficient grey water is not expected to be generated in New Building.
- Out of total 40 KW Solar energy, 10 KW is being generated through BIPV (Built in Photo Voltaic) panel used as roofing in cut out.

Green Building LEED India Rating points :

Category	Available Points	Awarded Points
Sustainable Sites (Maximum 13 Points)	13	12
Water Efficiency (Maximum 6 Points)	6	5
Energy & Atmosphere (Maximum 17 Points)	17	17
Materials & Resources (Maximum 13 Points)	13	8
Indoor Environmental Quality (Maximum 15 Points)	15	14
Innovation & Design process (Maximum 5 Points)	5	5
Total Maximum Points	69	61

Certified : 26 – 32
Silver Rating : 33 – 38
Gold Rating : 39 – 51
Platinum Rating : 52 – 69

**Important Recommendations of Chief Engineers/Track Machine's
Seminar held at IRICEN/Pune on
5th & 6th December, 2013**

- 1) For certain spares for Track Machines, whose small requirement on individual zones is posing problem in procurement and are not procured by Railway Board, CPOH/ ALD & Rayanapadu can do combined procurement against vetted indents from Zonal Railways in view of the small quantity for their respective nominated zones. In case quantity is still less than CPOH/ALD and CPOH/RYP can also club the requirement for procurement.
- 2) The failure of Track Machines in mid sections needs to be classified as under clause 'J' i.e. in the category of equipment failures. Suitable amendment of IRTMM to correct the classification of Track Machine failures to be made.
- 3) Railway Board may issue instructions that provision for temporary accommodation available in Track Renewal estimates can be utilized to create resting facilities for Track Machine staff as Track Machines are also used for track renewals.
- 4) Railways may go for housekeeping contract for camping coaches including food preparation on the lines of Running Rooms.
- 5) Every division should have a depot for maintenance and repairs of small Track Machines. AMC services can be provided at this divisional depot. While approving the vendors for small Track Machines, RDSO will include provision regarding availability of service by OEMs.
- 6) Zonal Railways to share details of charts/Instructions regarding trouble shooting with IRTMTC and RDSO for compilation and Training.
- 7) All Zonal Rly should provide Monthly feedback to respective Dy.CE/CPOH about the performance of machines undergone POH.
- 8) CPOH/Rayanapadu may plan to develop a small training centre for technicians.

IRICEN Calendar of Courses 2014

Course No.	From	To	Name of Course	Eligible Group
Probationary Courses				
14001	06-01-14	21-02-14	IRSE Phase-I (Group - P)	IRSE (P) 2011 Exam.
14002	03-03-14	17-04-14	IRSE Phase-I (Group - Q)	IRSE (P) 2011 Exam.
Integrated Courses				
14101	03-02-14	17-04-14	Integrated	Gr.B officers
Special Courses (Track/Bridges/Works)				
14401	10-02-14	14-02-14	Laying of Points & Crossing, Planning of yards & design of Track using MX rail	JS/SS/JAG
14402	17-02-14	21-02-14	TMS	JS/SS of OL
Sr Professional/SAG Refresher Courses				
14201	03-03-14	11-04-14	SAG Refresher course	SAG officers
HAG/SAG/Seminars/Workshops/Meetings				
13305	20-03-14	21-03-14	PCE Seminar	PCEs
14301	03-04-14	04-04-14	CTE Seminar	CTEs
Awareness Courses				
14701	20-01-14	24-01-14	Awareness for IRTS	IRTS(P) 2011
14702	27-01-14	31-01-14	Awareness for IRSEE	IRSEE(P) 2011
14703	24-02-14	28-02-14	Awareness for IRSS	IRSS(P) 2011
14704	03-03-14	07-03-14	Awareness for IRSSE	IRSSE (P) 2011
14705	15-04-14	18-04-14	Awareness for IRSSE	IRSSE (P) 2011

To be continued

ITTI Calendar of Courses 2014

Course No.	From	To	Name of course	Eligible Group
ITTI 14801	03-02-14	07-02-14	Track Monitoring	Senior Supervisors of P. Way cadre.
ITTI 14802	24-02-14	07-03-14	Rail Wheel Interaction Derailment Investigation	Senior Supervisors of P. Way cadre.
ITTI 14804	24-03-14	28-03-14	Laying of Points & Crossing, Planning of yards & design of Track using MX rail.	Senior Supervisors of P. Way cadre

To be continued

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