

Project RAS 1013 (2012-13, 2014)

Supporting Advanced Non-Destructive Examination for Enhanced Industrial Safety, Product Quality and Productivity

Activities and Achievements for the Period : 2013

Summary Progress Report

**The consolidated report for the project RAS1013 is based on the Annual Progress Reports and
Country presentations/inputs from participating Member States.**



IAEA/RCA Projects in Industry Sector

TC 2012-13

Supporting Advanced Non Destructive Examination for Enhanced Industrial Safety, Product Quality and Productivity (RCA) RAS1013

TC 2014-15 & TC 2016-17

Building Capacity for Applications of Advanced Non-Destructive Evaluation Technologies for Enhancing Industrial Productivity"(RCA) RAS1020

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Supporting Advanced Non-Destructive Examination for Enhanced Industrial Safety, Product Quality and Productivity – RAS/1/013

Project Objectives:

To enhance capacities for effective applications of nuclear radiation based Advanced Non-Destructive Evaluation technologies for enhancing industrial safety, product quality, productivity, extension of plant lives and services provided.

Specific Objectives:

- i) Effective application of Advanced NDE technique to increase efficiency in the industries in the Region;
- (ii) Enhanced regional and national capacity in using Advanced NDE and
- (iii) Adopted regional protocol for fabrication of DR/CT systems

The project duration was two years i.e., TC 2012-2013. Extended till 2014.

Total budget allotted: € 260,000



Participating Member States

1. Australia
2. Bangladesh
3. China
4. India (Lead Country)
5. Indonesia
6. Malaysia
7. Mongolia
8. Myanmar
9. New Zealand
10. Pakistan
11. Philippines
12. Republic of Korea
13. Singapore
14. Sri Lanka
15. Thailand
16. Vietnam



Success of the Project

Most of the participating RCA MSs have proactively taken up technology up gradation and end –user awareness programmes in DIR and CT in their respective Countries. The successful implementation of major activities envisaged in the Project RAS1013 during 2013 has been a result of the keen interests shown by the MSs. The stimulation is clearly visible in the Region.

Present Difficulties and Bottlenecks

- Presently DIR/CT equipment are comparatively expensive as the technologies are new and advanced.
- Strong Government support required to set up DIR/CT facilities in the MSs.
- Limited availability of technically qualified DIR / CT personnel in the Region.
- End - users have also limited awareness/knowledge about the potential of these technologies.



Conclusions and Recommendations

1. As the RCA members consist of developed, developing and less developed states, the current availability of resources varies widely among them. Due to this, though the overall progress of the project during 2013 has been satisfactory, the same is not uniform across all member states at their national level.
2. Due to the technology being comparatively new and advanced for the RCA region and also due to the difficulties at present as stated above, Some MSs require to allocate sufficient budgetary allocations for their national programmes in this area.
3. With the additional efforts from MSs, the future RCA project can bring tangible change in the current scenario.
4. Due to some administrative formalities at the agency level, the project RAS1013 which was scheduled to be concluded in Dec. 2013 was extended upto Dec. 2014 and the new project RAS1020 to start from Jan 2015.



Thank you for your kind attention!!

