DAE (Excellence in Science, Engineering & Technology) Awards 2013

The DAE awards scheme was instituted in the year 2006 to recognize outstanding accomplishments and exceptional achievements of the DAE staff, who are engaged in scientific research, technology development, engineering /project implementation, teaching, healthcare and support services.

These awards are given annually.

The awards for the year 2013 were given on the eve of Founder’s Day on October 30, 2014 in BARC. These were presented to the winners by the Chief Guest, Prof. V.S. Ramamurthy, Director, National Institute of Advanced Studies, Bengaluru & Chairman, Recruitment & Assessment Board, Council of Scientific and Industrial Research.

The Awards were in the following categories:

A. Homi Bhabha Science & Technology Awards
B. Exceptional Service Awards
C. Scientific & Technical Excellence Awards
D. Young Applied Scientist / Technologist Awards
E. Young Scientist Awards
F. Young Engineer Awards
G. Special Contributions Awards
H. Meritorious Technical Service Awards
I. Group Achievement Awards
J. Special Contributions Awards
K. Meritorious Service Awards

1. Dr. T.K. Ghanty, SO/H, TCS, CG, BARC
   Dr Ghanty has been awarded for his outstanding research contributions in the field of “Computational & Theoretical Chemistry”. His main contributions include:
   Prediction of novel rare gas containing ions involving partially covalent bond between a rare gas and other atom which was later experimentally observed by researchers abroad in the year 2011.; Introduction of a new concept, “Intra-ligand Synergism” and demonstration of the concept for designing actinide selective novel ligands and Demonstration of a novel scheme, through which smaller size fullerenes can be stabilized by encapsulation of an actinide or lanthanide metal atom/ion and these metallofullerenes have potential applications in nuclear medicine and waste management.

   Dr. T.K. Ghanty receiving the Homi Bhabha Science & Technology Award from Prof.V.S.Ramamurthy,  Director, National Institute of Advanced Studies, Bangalore & Chairman, Recruitment & Assessment Board, Council of Scientific and Industrial Research.

2. Dr. T.C. Kaushik, SO/H+APD, MRG, BARC
   Dr. Kaushik has been awarded for his outstanding contributions in the “Development of Pulsed Power based systems for applications to material
investigations under high pressures”. His developments include: Electrically exploded foil based electric guns, Rail guns and Ultra high magnetic field coils. In addition he has also developed Inductive energy based systems to amplify input current by a factor of more than 50 for applications to deliver high current pulses. Pulsed Fusion based devices have also been demonstrated by him for use in assay of fissile materials.

3. Dr. Hari Sharan Misra, SO/G MBD, BSG, BARC
Dr Misra has been awarded for his outstanding research contributions in understanding the molecular mechanism underlying biological responses to gamma radiation effects on life. He identified a novel antioxidant and radioprotector pyrroloquinoline-quinone (PQQ) from the radioresistant bacterium, Deinococcus radiodurans and demonstrated that it induces differential cytotoxicity between cancerous and normal cells.

He is peer recognized as the invited speaker/Chair during various meetings held in India and abroad and recipient of several national awards and a recipient of International fellowship “Fulbright-Nehru Senior Scholarship”.

4. Dr. (Smt.) S.B. Roy, OS UED, MG, BARC
Dr. Roy has been awarded for her excellent and comprehensive contributions in “Setting up the required facilities for production of U metal to meet the requirement of Indian research reactors and various strategic programmes”.

Her work on process development for production of specific grade uranium metal powder and specific grade metal ingot including facility development for production of specific grade uranium metal powder is commendable.
5. Shri Joti Nath Sharma, SO/G, PsDD, NRG, BARC

Shri Sharma has been awarded for his excellent research contributions in the area of “Synthesis and Development of Organic Solvents for separation processes of nuclear metals”.

He has synthesized cesium specific solvent Calix-Crown-6 (CC6) indigenously at large scale.

Based on his work, an engineering scale facility was set up for treating HLW where cesium using calix-crown-6 solvent and americium and strontium using TEHDGA solvent will be separated. Separation of these elements from HLW, results in about 30 fold reduction in the vitrified glass volume.

C. Scientific & Technical Excellence Award carries a Cash award of Rs 1 Lakh, a Citation and a Medal.

There were Twenty seven award winners: Twenty two from BARC, two each from IGCAR and RRCAT and one from VECC. Following were the award winners from BARC:

1. Dr. Prashant Shukla, SO/G, NPD, PG, BARC
2. Shri Sudhir Mishra, SO/G, RMD, NFG, BARC
3. Shri Vivek Bhardwaj, SO/E, A&CED, ESG, BARC
4. Shri M. Thakuria, SO/F, LWRD, RPG, BARC
5. Shri Raman Kumar, SO/F, NRPSED, NRB, BARC
6. Dr. (Smt.) Dipanwita Dutta, SO/F, NPD, PG, BARC
7. Shri S.K. Sinha, SO/H, RED, RD&DG, BARC
8. Dr. Sudipta Chakraborti, SO/F, IA&RD, RC&IG, BARC
9. Dr. Chiranjib Majumder, SO/G, ChD, CG, BARC
10. Dr. G. Kedarnath, SO/F, ChD, CG, BARC
11. Shri A.K. Haruray, SO/H, DRHR, DM&AG
12. Dr. (Smt.) P.M. Dighe, SO/F, ED, E&IG, BARC
13. Shri Clement C. Verghees, SO/H, RCND, E&IG, BARC
14. Dr. Sunil Dutt Sharma, SO/F, RP&AD, HS&EG, BARC
15. Dr. Abhijit Ghosh, SO/G, G&AMD, MG, BARC
16. Dr. K.D. Joshi, SO/G, APD, MRG, BARC
17. Dr. Manoj Kumar Warrier, SO/F, CAD, MRG, BARC
18. Dr. Aniruddha Kumar, SO/G, AFFF, Tarapur, NFG, BARC
19. Dr. Kathi Sudarshan, SO/F, RCD, RC&IG, BARC
20. Shri Vishnu Verma, SO/G, RSD, RD&DG, BARC
21. Dr. Usha Pal, SO/G, RPDD, RD&DG, BARC
22. Shri B.S. Manjunath, SO/G, RTD, RD&DG, BARC

Shri Joti Nath Sharma receiving the Homi Bhabha Science & Technology Award from Prof.V.S.Ramamurthy, Director, National Institute of Advanced Studies, Bangalore & Chairman, Recruitment & Assessment Board, Council of Scientific and Industrial Research.

B. Exceptional Service Award carries a Cash award of Rs 5 Lakhs, a Citation & a Medal.

Shri K.N. Mahule, Head, ED&DD, MRG, BARC was the only recipient of this Award. Shri Mahule has been awarded for his excellent contributions in the areas of "Nuclear fuels fabrication, transportation of nuclear materials, and strategic programmes of the department".

His contributions include design and commissioning of FBTR fuel fabrication facility and production campaign, design and development of equipment and facilities for plate type fuel, metallic fuels for fast reactors, sol-gel based fuel and development of fully automated fuel fabrication facility.He also actively contributed in setting up pilot scale alpha solid waste treatment facility, and design and fabrication of transport packages for nuclear materials.
D. Young Applied Scientist / Technologist Award carries a Cash award of Rs 50,000/-, a Citation and a Medal.

There were Eleven award winners: Eight from BARC and three from IGCAR. Following were the award winners from BARC:

1. Shri R.D. Phulsundar, SO/E, ChTG, RMP/BARC
2. Shri Tushar Roy, SO/E, NXPD, PG, BARC
3. Shri Abhijit R. Tillu, SO/E, APPD, BT DG, BARC
4. Shri Jyoti Prakash SO/D, P M D, MG, BARC
5. Shri Shivam Mishra, SO/E, PED, ChTG, BARC
6. Smt. Chandrani Bhattacharya, SO/E, ThPD, MRG, BARC
7. Shri Amit Verma, SO/E, MMD, MG, BARC
8. Shri Kodeboina Rajendra Babu, SO/E, TP D, PG, BARC

E. Young Scientist Award carries a Cash award of Rs 50,000/-, a Citation and a Medal.

There were seven award winners: six from BARC and 1 from VECC. Following were the award winners from BARC:

1. Dr. Prabhat Kumar Singh, SO/E, RP CD, CG, BARC
2. Dr. Ashish Kumar Srivastava, SO/E, NABTD, BMG, BARC
3. Dr. Manoj Mohapatra, SO/E, RC D, RC&IG, BARC
4. Dr. Rahul Checker, SO/E, RB&HSD, BSG, BARC
5. Dr. Veerendra Kumar Sharma, SO/D, SSP D, PG, BARC
6. Dr. Jitendra Bahadur, SO/E, SSP D, PG, BARC

F. Young Engineer Award carries a Cash award of Rs 50,000/-, Citation and a Medal.

There were seventeen award winners: nine from BARC, four from IGCAR, three from RRCAT and one from NFC. Following were the award winners from BARC:

1. Shri Dev Ranjan Das, SO/E, L&PTD, BT DG, BARC
2. Shri Surendra Singh Saini, SO/D, DRHR, DM&AG, BARC
3. Shri Nagaraj Alangi, SO/E, L&PTD, BT DG, BARC
4. Shri Ankur Patel, SO/E, APPD, BT DG, BARC
5. Shri Ravindra K Sharma, SO/E, ATSS, E&IG, BARC
6. Shri Piyush Jain, SO/E, IADD, PG, BARC
7. Shri Ashish A. Dike, SO/E, LWRD, RPG, BARC
8. Shri Sanjay Kumar, SO/E, RPD, RPG, BARC
9. Shri M.T. Kamble, SO/F, RED, RD&DG, BARC

G. Special Contributions Award carries a Cash award of Rs 50,000/-, Citation and a Medal.

There were 68 Award winners in this category.

1. Dr. V. Natarajan,SO/H+, RCD,RC&IG,BARC
2. Shri Anand Mohan, SO/H, AFD, NFG, BARC
3. Dr. S.K. Thulasidas, SO/G, RCD, RC&IG, BARC
4. Shri V.M. Chavan, SO/G, RTD, RD&DG, BARC
5. Shri S.D. Bharambe, SO/G, IHSS, HS&EG, BARC
6. Shri A.P. Rao, SO/G, LWRD, RPG, BARC
7. Shri K.C. Krishnamurthy, SO/G, PRPD, RPG, BARC
8. Shri K. Prem sai, SO/G, PRPD, RPG, BARC
9. Shri P.S. Kutty, SO/G, RMD, NFG, BARC
10. Shri D.K. Das, SO/G, AFF, NFG, BARC
11. Dr. P.B. Wagh, SO/F, APD, MRG, BARC
12. Shri K.K. Srivastava, SO/F, TRP, NR B, BARC
13. Shri Sunil Gulati, SO/F, TRP, NR B, BARC
14. Dr. (Smt.) Sumita Saha, SO/F, RDF, RPG, BARC
15. Shri R. Ramakrishnan, SO/F, PRPD, RPG, BARC
16. Dr. R.M. Altekar, SO/F, MFD, NFG, BARC
17. Shri Gorakh Nath, SO/F, AFF, NFG, BARC
18. Dr. A. Chandrashekara, SO/E, RMP, ChTG, BARC
19. Dr. S.K. Rakshit, SO/E, PDD, RC&IG, BARC
20. Shri A.P. Sahu, SO/E, TRP, NR B, BARC
21. Shri T.V. Vittalrao, SO/E, FCD, RC&IG, BARC
22. Shri Y.R. Bumanker, SO/E, FCD, RC&IG, BARC
23. Shri Ramesh R. Khuspe, SO/E, RSSD, HS&EG, BARC
24. Shri M.B. Pote, SO/E, RSSD, HS&EG, BARC
25. Shri S. Chinnaesakk i, SO/E, HPD, HS&EG, BARC
26. Shri I.A. Sarjekhan, SO/E, RMD, NFG, BARC
27. Shri C.N.S.R. Prasad, SO/D, RMP, ChTG, BARC
28. Shri L.C. Sagayaraj, SO/D, PRPDR, PG, BARC
29. Shri Abhishek K. Singh, SO/D, RP&AD, HS&EG, BARC
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30. Shri D.B. Kulkarni, SO/D, RP&AD, HS&EG, BARC
31. Shri Sanjay Singh, SO/D, RSSD, HS&EG, BARC
32. Shri P. Mathew, SO/D, HPD, HS&EG, BARC
33. Smt S.K. Raut, SO/C, PDD, RC&IG, BARC
34. Smt N.V. Jisha, SO/C, ED&DD, MRG, BARC
35. Shri Surendra Kumar, SO/C, MFD, NFG, BARC
36. Shri T. Mukundan, TO/C, RSSD, HS&EG, BARC
37. Shri P.T. Ghare, TO/C, RSSD, HS&EG, BARC
38. Shri Sanjeev Singh, TO/C, WMD, NRG, BARC
39. Shri Vinod Kumar Verma, TO/C, MFD, NFG, BARC
40. Shri E. Ravindran, Sr.PS, Director’s Office, BARC
41. Shri S.V. Mane, Sr.T/H, CDM, DM&AG, BARC
42. Shri V.N. Mane, Sr.T/H, CDM, DM&AG, BARC
43. Shri R.J. Vankudre, Sr.T/H, CDM, DM&AG, BARC
44. Shri P.M. Koli, Sr.Tech, PDD, RC&IG, BARC
45. Shri B.N. Raut, Sr. Tech, PDD, RC&IG, BARC
46. Shri I.B. Patrick, SA/E, FRD, NRG, BARC
47. Shri Sanjay V. Vanave, SA/E, HPD, HS&EG, BARC
48. Shri Kiran Govind Kate, SA/E, PDD, RC&IG, BARC
49. Shri Anjan Kumar Singh, SA/E, RSSD, HS&EG, BARC
50. Shri M.S. Farash, Sr.T/H, RED, RD&DG, BARC
51. Shri Ramesh G. Barge, F/B, G&ACD, MG, BARC
52. Shri Dipak Kumar Ghosh, F/B, ACL, RMP, BARC
53. Shri Narayan C. Bhowmick, SA/F, DF, RMP, BARC
54. Shri A.B. Sonawane, Sr.T/H, CDM, DM&AG, BARC
55. Shri N.V. Surendran, T/H, PED, ChTG, BARC
56. Shri K.D. Waghmare, T/F, IADD, PG, BARC
57. Shri Narayan Laxman More, T/F, WMD, NRG, BARC
58. Shri M. Padhy, T/J, DRHR, DM&AG, BARC
59. Shri Shyam Lal Sharma, F/C, TSD, ESG, BARC
60. Shri G.K. Patel, F/B, PMD, MG, BARC
61. Shri G.W. Diwan, F/C, AFD, NFG, BARC
62. Shri M.M. Nicholas, F/C, PRPD, RPG, BARC
63. Shri S.T. Panchal, SA/G, RPD, RPG, BARC
64. Shri D.S. Khobragade, F/C, AFFF/Tarapur, NFG, BARC

H. Meritorious Technical Service Award carries a Cash award of Rs 20,000/-, Citation and a Medal.

There were twenty five award winners; 16 from BARC, 4 from IGCAR and 3 from RRCAT and one each from HWP (Kota) and GSO, Kalpakkam.

1. Shri M.S. Farash, Sr.T/H, RED, RD&DG, BARC
2. Shri Ramesh G. Barge, F/B, G&ACD, MG, BARC
3. Shri Dipak Kumar Ghosh, F/B, ACL, RMP, BARC
4. Shri Narayan C. Bhowmick, SA/F, DF, RMP, BARC
5. Shri A.B. Sonawane, Sr.T/H, CDM, DM&AG, BARC
6. Shri N.V. Surendran, T/H, PED, ChTG, BARC
7. Shri K.D. Waghmare, T/F, IADD, PG, BARC
8. Shri Gian Chand Chouhan, Sr.T/H, CDM, DM&AG, BARC
9. Shri Narayan Laxman More, T/F, WMD, NRG, BARC
10. Shri M. Padhy, T/J, DRHR, DM&AG, BARC
11. Shri Shyam Lal Sharma, F/C, TSD, ESG, BARC
12. Shri G.K. Patel, F/B, PMD, MG, BARC
13. Shri G.W. Diwan, F/C, AFD, NFG, BARC
14. Shri M.M. Nicholas, F/C, PRPD, RPG, BARC
15. Shri S.T. Panchal, SA/G, RPDP, RPG, BARC
16. Shri D.S. Khobragade, F/C, AFFF/Tarapur, NFG, BARC

I. Group Achievement Award winners received a medal, a Citation and suitable cash awards for each group commensurate with the group size and its overall achievement.

A total number of forty four Groups received these awards. Out of these, 24 were from BARC, 4 each from NFC, IGCAR and RRCAT, 2 each from HWB, VECC and BRIT, 1 from BARC, IGCAR and HWB (Combined) and 1 from AMD. Following were the Group Leaders from BARC, who received the awards for their groups:

1. Dr. S. Kailas, former Director, PG, BARC.
2. Dr. P. Singh, OS & Head, IADD, PG, BARC.
3. Shri Kunal Chakraborty, SO/H, ROD, RG, BARC.
BARC Celebrates Founder’s Day

K. Meritorious Service Award carries a cash prize of Rs. 20,000/-, a citation and a medal.

There were 23 Award winners. Seventeen were from BARC, 1 each from RRCAT and VECC and two each from DAE and IGCAR. Following were the award winners from BARC:

1. Shri P.S. Tawde, Sr.Clerk, MD, BSG, BARC
2. Shri G. Johnkutty, UDC, RC&IG, BARC
3. Shri Nagesh V. Pawar, Asstt., PD, Adm., BARC
4. Shri Sheshrao G. Angrakh, Dr.Gr.I, Traffic/PD, Adm., BARC
5. Shri Dashrath S. Dogra, Asstt., PRO, PD, Adm., BARC
7. Smt. Shailaja Prakasam, DEO, PD, Adm., BARC
8. Smt. S. Komalavalli, APO, PD, Adm., BARC
9. Shri C.V.S. Sastry, APO, PD, Adm., BARC
10. Shri Pradeep T. Shyal, Asstt., PD, Adm., BARC
12. Shri H.K. Pal, Sr.AO, AD, Adm., BARC
13. Shri R. Easwaran, UDC, AD, Adm., BARC
14. Shri Namdeo S. Babar, Sr. Security Guard, Security Section, Adm., BARC
15. Shri P.P. Solanki, Asstt., CDM, DM&AG, BARC
16. Smt. Lata B., AO-III, HRDD, KMG, BARC
17. Kum. Rekha B. Narang, Sr.PS, PG, BARC.