ORV SAGAR KANYA

CRUISE SK – 253

(16th December 2008 to 23rd December 2008)

Training /Acclimatization to students

NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH

Headland Sada, Vasco-Da-Gama,

Goa-403804, India
Cruise SK-253

Departure Mormugao :: 16.12.2008  Time:: 17:00hrs

Arrival Chennai :: 23.12.2008  Time:: 09:00hrs

Objectives:-

Training/ Acclimatization to students from ISM University, Bharathidasan University and Banaras Hindu University.

Participants:-

1. Mr. MM Subramaniam  NCAOR  Ch. Scientist
2. Dr. M.V. Ramesh  NCAOR
3. Ms. Ashlesha Saxena  NCAOR
4. Mr. Arnab Ghosh  ISMU
5. Mr. Vishal Das  ISMU
6. Mr. Anand Singh  ISMU
7. Mr. Pawan Bharadwaj  ISMU
8. Mr. Harshwardhan  ISMU
9. Mr. Akshat Abhishek  ISMU
10. Mr. Abhishek Pandey  ISMU
11. Mr. Salil Agarwal  ISMU
12. Mr. Uday Bhan Rai  ISMU
13. Mr. Biswas  ISMU
14. Mr. Ambrish Khevnekar  ISMU
15. Mr. Aneesh Tiwari  ISMU
16. Mr. Greetharth Dutta  ISMU
17. Dr. R. Rajaram  Bhartidasan Univ.
18. Mr. B. Balaji  Bhartidasan Univ
19. Mr. Darwin Devidas  Bhartidasan Univ
20. Mr. P. Dinesh  Bhartidasan Univ
21. Mr. Kartikeyen  Bhartidasan Univ
22. Mr. K. Muthukumar  Bhartidasan Univ
23. Mr. R. Nandkumar  Bhartidasan Univ
24. Mr. R. Pandian  Bhartidasan Univ
25. Mr. S. Vinodkumar  Bhartidasan Univ
26. Mr. Adarsh K Shrivastava  BHU
27. Mr. Amerendra Kumar  BHU
28. Mr. Sameer Shaikh  Ship Asst. NCAOR
29. Mr. K. Madhusudan  NORINCO
30. Mr. Vasantharaj  NORINCO
31. Mr. K. R. Perumal  NORINCO

➢ Norinco engineers and Shipboard Assistants continuing from previous cruise.
➢ ISM University students embarked onboard the vessel on 13.12.2008
➢ Bharathidasan University students embarked onboard on 15.12.2008
➢ All other participants embarked onboard on 16.12.2008
Vessel sailed out at 1700hrs/16.12.2008 as scheduled

16.12.2008 :- 2000hrs Conducted meeting for explaining dos and donts onboard while sailing and also safety precautions to be taken during the stay onboard.

17.12.2008 :-1000hrs Introductory brief to the students participants by Chief Scientist on the cruise activities followed by discussions. “Sagar Kanya” movie was screened.

Tours onboard in batches are arranged. Round the clock watch on Echosounder / Sub-Bottom Profiler being kept by students. Boat drill and Man overboard drill conducted by Master in the evening.

18.12.2008 :-

Sea is rough and most of the participants are not well. Daily presentations are being organised.

    Presentations on 18.12.2008:-
    • Introduction to Sagarkanya :- Subramaniam (NCAOR)
    • Seismic Data :- Ambriash (ISMU)
    • Study of structure of Earth with the help of seismology :- Salil Agarwal (ISMU)
    • Earthquakes :-Akshat and Arnab (ISMU)
    ➢ Movie “Sagar Kanya” screened
    ➢ Gravity coring operation carried out at 1600hrs.

By evening sea became calm.

19.12.2008 ;

Sea is again for the whole day

    Presentations on 19.12.2008
    ➢ Sagar Kanya instrumentation & sedimentological analyses. -Dr MV Ramesh
    ➢ Coastal Ecosystem : Dr R Rajaram Bhartidarshan University
    Movie ‘Antarctica aur Bharath’ screened.

Sampling operations not carried out due to rough sea. Most of the students are not well.

20.12.2008 :

Today’s presentations
    • “Coral Biology” – B Nand kumar, Bhartidasan Univ.
• “Study of internal structure of earth using seismology”- Salil Agarwal, ISMU
• Magnetotellurics and other electromagnetic method used in geophysical exploration”- Vishal Das (ISMU)

21.12.2008 :

• "Tsunami": Abhishek Pandey, ISMU
• "Tsunami early warning system of India": Mr Subramaniam (NCAOR)
• Earth is interior: Harshvardhan, ISMU
• "History and technology developments in marine communication": Haridasan Radio officer Sagar kanga.

Movie “understanding weather system”: Windwaves & storms was played.

Fire fighting drill conducted in the evening.

22.12.2008 :

• Mangrove ecosystem- Balaji Prasad, Bhartidasan University.
• Introduction to Geodesy- Pawan Bhardwaj, ISMU.
• Crab culture: Darvin Davidas, BHU.
• Hotel management, food & beverage and table manners- Mr. Dias
• Atmosphere, ocean, landmass and plate tectonics theory- Dr. M.V. Ramesh (NCAOR)
• Sea food preservation- P. Dinesh, Bhartidasan University.
• Marine Mammals - Vinoth Kumar, Bhartidasan University
• Introduction to CLCS - Ms Ashlesha (NCAOR)

Movie: Adverse effects of alcohol consumption at sea.

23.12.2008 :

Carried out spade core operation in the morning

Arrived Chennai port at 0900 hrs and anchored, awaiting birthing notice from port.