Highlights

- Based on the satellite data analysis, it is clear that the sea ice is deforming fast and new leads are forming. The ship may sail towards Bharati taking advantage of the visible leads.
- A ship route has been suggested (RED LINE) along the visible leads on Jan 5, 2016 satellite image. The location of 35th ISEA ship, Bharati station, another ship, a number of icebergs are shown in the images.
- Enlarged sections of images showing suggested route are also provided.
- It is suggested that a helicopter survey may be carried out to verify the suggested routes, leads, and the current situation of the sea ice.
RESOURCESAT-2 LISS-IV Data: Jan 5, 2016 over the Antarctic Coast Near Bharati

- 35th ISEA SHIP
- BROKEN SEA ICE FLOE
- DISINTEGRATING FAST SEA ICE
- ICEBERGS
- BHARATI
RISAT-1 SAR MRS Data: Jan 5, 2016 over the Antarctic Coast Near Bharati

SHIP (35th ISEA)

ICEBERGS

BHARATI

SHIP
A ship route is suggested (RED line) based on the leads seen on the satellite image. A helicopter survey may be carried out before sailing the ship to ensure that the conditions have not changed since Jan 5, 2016.
An enlarged Section 1

Suggested Ship Route is based on Jan 5, 2016 image (RS2 LISS-IV)

35th ISEA SHIP

DISINTEGRATING FAST SEA ICE
An enlarged Section 2

Suggested Ship Route is based on Jan 5, 2016 image (RS2 LISS-IV)

DISINTEGRATING FAST SEA ICE

SUGGESTED ROUTE ALONG THE LEADS
An enlarged Section 3

Suggested Ship Route is based on Jan 5, 2016 image (RS2 LISS-IV)

SUGGESTED ROUTE ALONG THE LEADS