

# BHOONIDHI

इसरो इसरो  
ISRO EO Data Hub

nrsc

**UZAIR MUJEEB**

**BHOONIDHI TEAM**

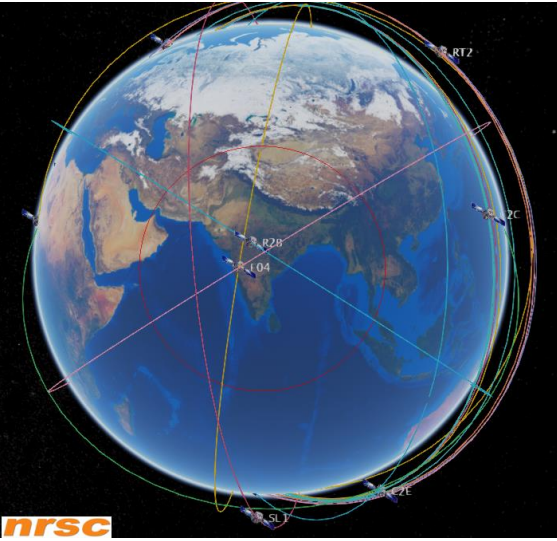
<https://bhoonidhi.nrsc.gov.in>

# Points Covered

- IMGEOSS Processing Network
- Bhoonidhi – ISRO EO Data Hub
- Data Access Services
- Data Diversity
- Features
- Data Archive
- Data Access- Free and Priced
- Dissemination Mechanisms



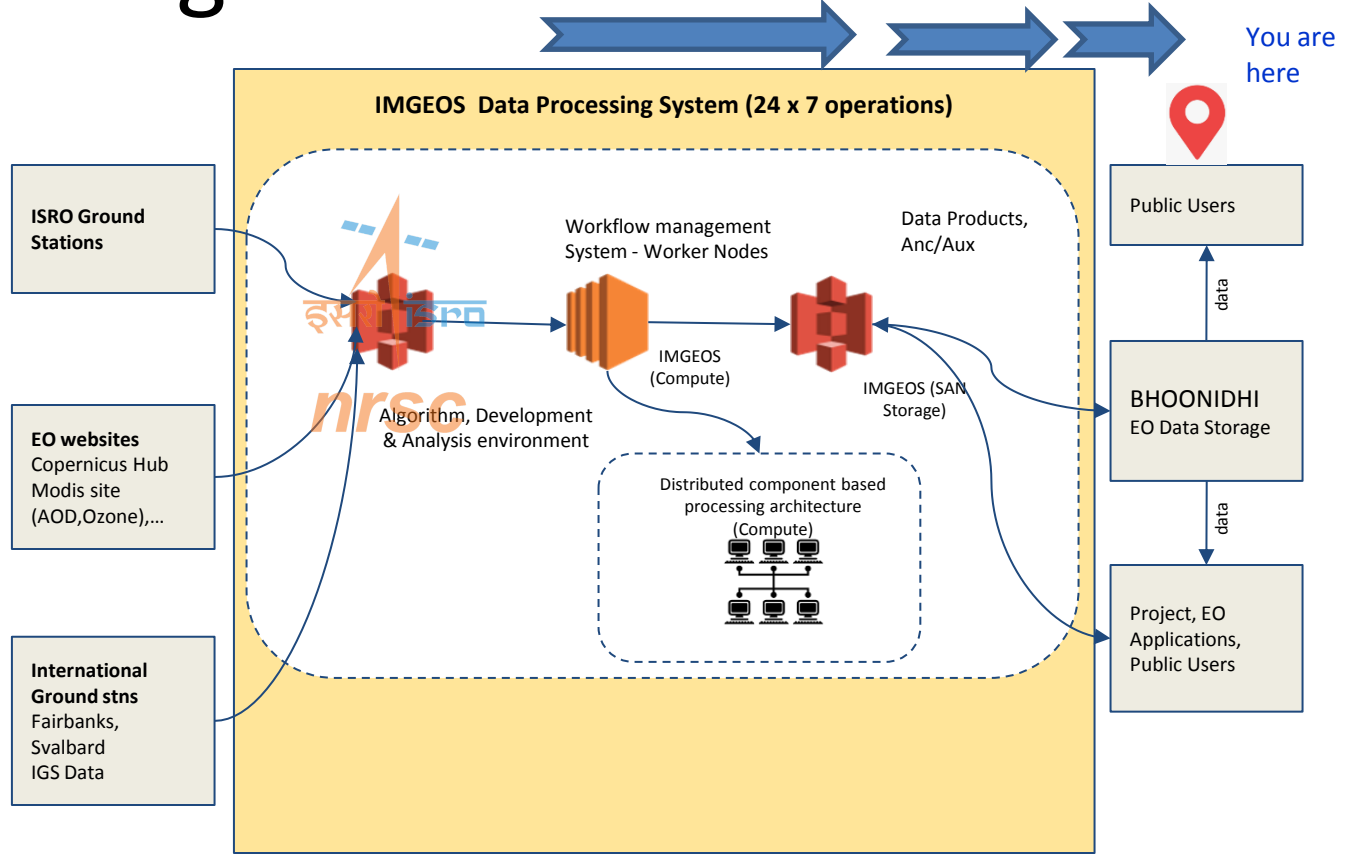
# IMGEOS Processing Network- How Data gets Generated



nrsc



Bhoonidhi Workshop#1



# Bhoonidhi

Bhoonidhi enables access to our extensive archive of Remote Sensing data from 46 satellites, including Indian and Foreign Remote Sensing sensors acquired over 33 years.

We also facilitate the Regional distribution of Sentinel and LandSat-8/9 data in India.



VISTA

Bhoonidhi  
STATS

Bhoonidhi  
Browse & Order

Bhoonidhi  
API

UPAGRAH  
Orbit Viewer

## APPLICATIONS



- Products @Bhoonidhi**
- Surface reflectance product
  - Cartosat-1 Stereo products
  - Cartosat-1 CartoDEM products
  - Cartosat-1, NPP-Gaomi, JPSS1 - Open data products

- Features @Bhoonidhi**
- Image un-publish
  - GST details Integration
  - Order Cancellation
  - Upgraded location database

**NEW RELEASE!**

# Bhoonidhi Data Access- How you get

## Bhoonidhi



**Browse & Order**

Search, View and  
Download ,

Paid CART Interface,

Proforma (PI) ,

Place workorder

[https..  
SFTP..](https://bhoonidhi.nrs.gov.in/bhoonidhi/index.html)

FREE&OPEN

PRICED

[bhoonidhi.nrs.gov.in/bhoonidhi/index.html](https://bhoonidhi.nrs.gov.in/bhoonidhi/index.html)

## Data

# VISTA

Visualize at Full Resolution

Visualize the NRT  
daily acquired data  
and temporal cycle  
based mosaic,

Quick animation of a  
point AOI

For  
Online  
Analysis

[bhoonidhi.nrs.gov.in/vista/index.html](https://bhoonidhi.nrs.gov.in/vista/index.html)

# UPAGRAH

Orbit Viewer

Orbit Viewer - Live  
satellite/orbit tracking

Quick View of all  
satellites at predicted  
UTC time.

For  
Online  
Analysis

[bhoonidhi.nrs.gov.in/upagrah](https://bhoonidhi.nrs.gov.in/upagrah)

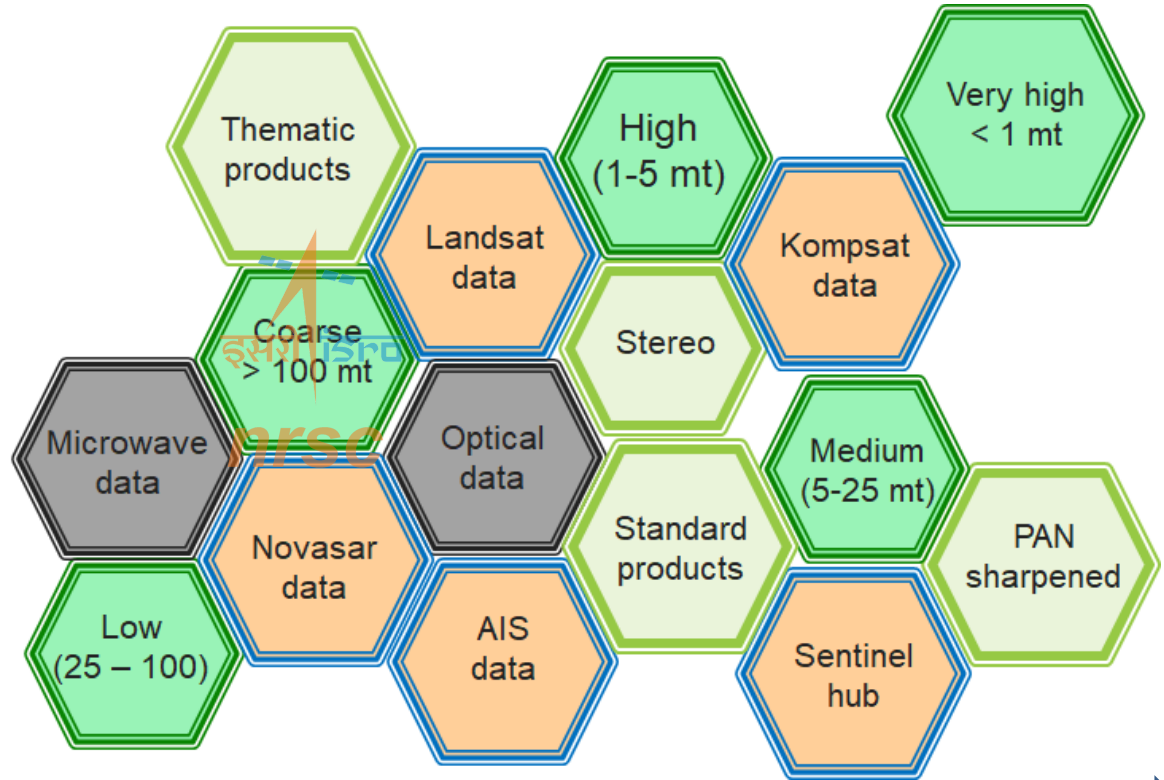


# Data Diversity at Bhoonidhi

- Product types
- Foreign missions
- Resolutions
- Bands

**NEW RELEASE!**

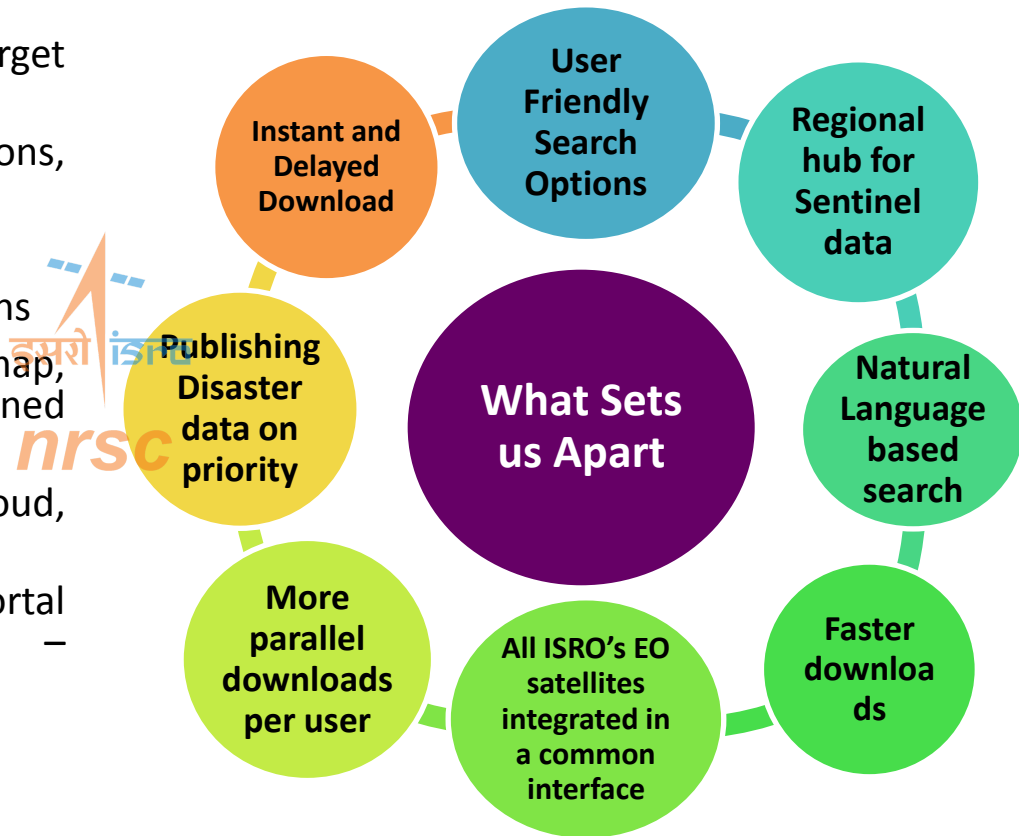
- EOS-04 (C-SAR) data products
- Landsat-8 collection 2
- Landsat-9
- Ortho products from IRS 1A/1B/1C/1D Liss sensor
- Scatsat-1, NPP-Suomi, JPSS-1: Open data products



OLDEST ( 33 years ) to till today

# Unique Features

- ✓ User friendly search options to ease target area identification:
- ✓ Multiple satellite and sensors, resolutions, date range
- ✓ Event-based input specifications
- ✓ Natural language text based search options
- ✓ AOI specification using free draw on map, shapefile, polygon, points, pre-defined locations.
- ✓ Additional filtering based on cloud, polarisation, sub-scene, path, row.
- ✓ ePayment through Non-Tax Receipt Portal (NTRP) (<https://bharatkosh.gov.in>.) – **Enabled @Bhoonidhi**



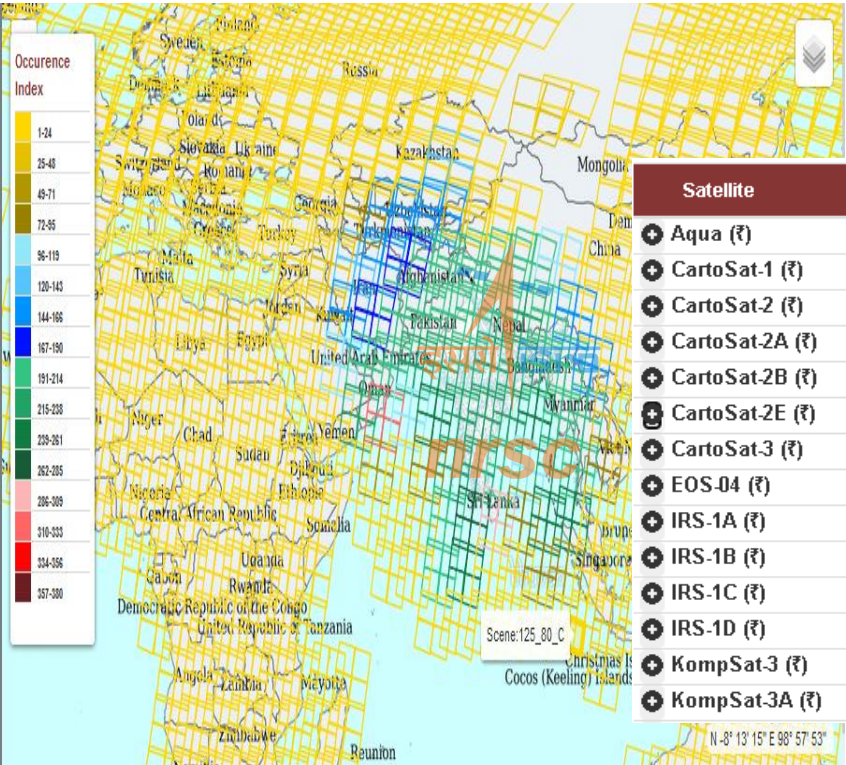
# Data Archive

**Satellite Data Availability**

Select satellite from the list below:

01 January 2020  31 October 2022

<input type="checkbox"/> NOAA-19 (₹)	04/29/2010 - 07/15/2013
<input type="checkbox"/> Novasar-1 (₹)	10/01/2019 - till date
<input type="checkbox"/> OceanSat-1 (₹)	05/26/1999 - 08/08/2010
<input type="checkbox"/> OceanSat-2 (₹)	05/08/2009 - till date
<input type="checkbox"/> RISAT-1 (₹)	05/08/2012 - 03/17/2017
<input type="checkbox"/> ResourceSat-1 (₹)	05/08/2003 - 10/09/2019
<input type="checkbox"/> ResourceSat-2 (₹)	09/01/2010 - till date
<input checked="" type="checkbox"/> AWIFS	05/08/2011 - till date
<input type="checkbox"/> LISS3	09/01/2010 - till date
<input type="checkbox"/> LISS4(MONO)	05/08/2011 - till date
<input type="checkbox"/> LISS4(MX23)	05/08/2011 - till date
<input type="checkbox"/> LISS4(MX70)	05/08/2011 - till date
<input type="checkbox"/> ResourceSat-2A (₹)	12/18/2016 - till date
<input type="checkbox"/> ScatSat-1	01/01/2020 - 12/31/2021
<input type="checkbox"/> Sentinel-1A	10/01/2019 - till date
<input type="checkbox"/> Sentinel-1B	10/01/2019 - till date
<input type="checkbox"/> Sentinel-2A	10/01/2019 - till date



**Occurrence Index**

1-24
25-48
49-71
72-95
96-119
120-143
144-166
167-190
191-214
215-238
239-261
262-285
286-309
310-333
334-356
357-380

Satellite	Start Date	End Date
<input checked="" type="checkbox"/> LandSat-8	01/01/2017	till date
<input checked="" type="checkbox"/> LandSat-9	04/01/2022	till date
<input checked="" type="checkbox"/> Aqua (₹)	08/25/1994	09/13/1994
<input checked="" type="checkbox"/> CartoSat-1 (₹)	09/14/1994	11/04/1995
<input checked="" type="checkbox"/> CartoSat-2 (₹)	04/03/1995	09/22/2010
<input checked="" type="checkbox"/> CartoSat-2A (₹)	06/20/2001	07/15/2013
<input checked="" type="checkbox"/> CartoSat-2B (₹)	09/20/2005	12/31/2010
<input checked="" type="checkbox"/> CartoSat-2E (₹)	09/20/2005	10/09/2009
<input checked="" type="checkbox"/> CartoSat-3 (₹)	04/29/2010	07/15/2013
<input checked="" type="checkbox"/> EOS-04 (₹)	10/01/2019	till date
<input checked="" type="checkbox"/> IRS-1A (₹)	05/26/1999	08/08/2010
<input checked="" type="checkbox"/> IRS-1B (₹)	05/08/2009	till date
<input checked="" type="checkbox"/> IRS-1C (₹)	05/08/2012	03/17/2017
<input checked="" type="checkbox"/> IRS-1D (₹)	05/08/2003	10/09/2019
<input checked="" type="checkbox"/> KompSat-3 (₹)	09/01/2010	till date
<input checked="" type="checkbox"/> KompSat-3A (₹)	12/18/2016	till date
<input checked="" type="checkbox"/> LandSat-8	01/01/2017	till date
<input checked="" type="checkbox"/> LandSat-9	04/01/2022	till date
<input checked="" type="checkbox"/> NOAA-11 (₹)	08/25/1994	09/13/1994
<input checked="" type="checkbox"/> NOAA-12 (₹)	09/14/1994	11/04/1995
<input checked="" type="checkbox"/> NOAA-14 (₹)	04/03/1995	09/22/2010
<input checked="" type="checkbox"/> NOAA-16 (₹)	06/20/2001	07/15/2013
<input checked="" type="checkbox"/> NOAA-17 (₹)	09/20/2005	12/31/2010
<input checked="" type="checkbox"/> NOAA-18 (₹)	09/20/2005	10/09/2009
<input checked="" type="checkbox"/> NOAA-19 (₹)	04/29/2010	07/15/2013
<input checked="" type="checkbox"/> Novasar-1 (₹)	10/01/2019	till date
<input checked="" type="checkbox"/> OceanSat-1 (₹)	05/26/1999	08/08/2010
<input checked="" type="checkbox"/> OceanSat-2 (₹)	05/08/2009	till date
<input checked="" type="checkbox"/> RISAT-1 (₹)	05/08/2012	03/17/2017
<input checked="" type="checkbox"/> ResourceSat-1 (₹)	05/08/2003	10/09/2019
<input checked="" type="checkbox"/> ResourceSat-2 (₹)	09/01/2010	till date
<input checked="" type="checkbox"/> ResourceSat-2A (₹)	12/18/2016	till date
<input checked="" type="checkbox"/> ScatSat-1	01/01/2020	12/31/2021
<input checked="" type="checkbox"/> Sentinel-1A	10/01/2019	till date
<input checked="" type="checkbox"/> Sentinel-1B	10/01/2019	till date
<input checked="" type="checkbox"/> Sentinel-2A	10/01/2019	till date
<input checked="" type="checkbox"/> Sentinel-2B	10/01/2019	till date
<input checked="" type="checkbox"/> Terra (₹)	01/01/2002	till date



# Data Access: Registration



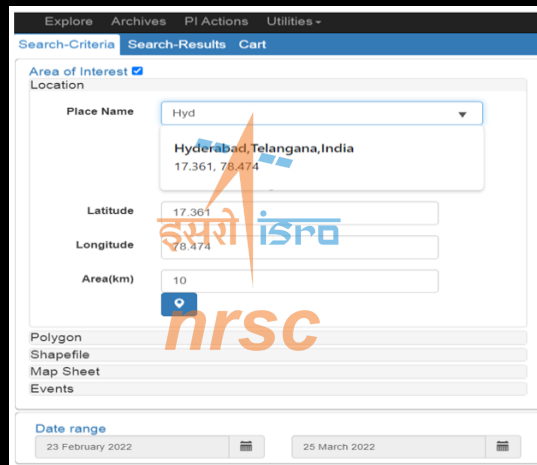
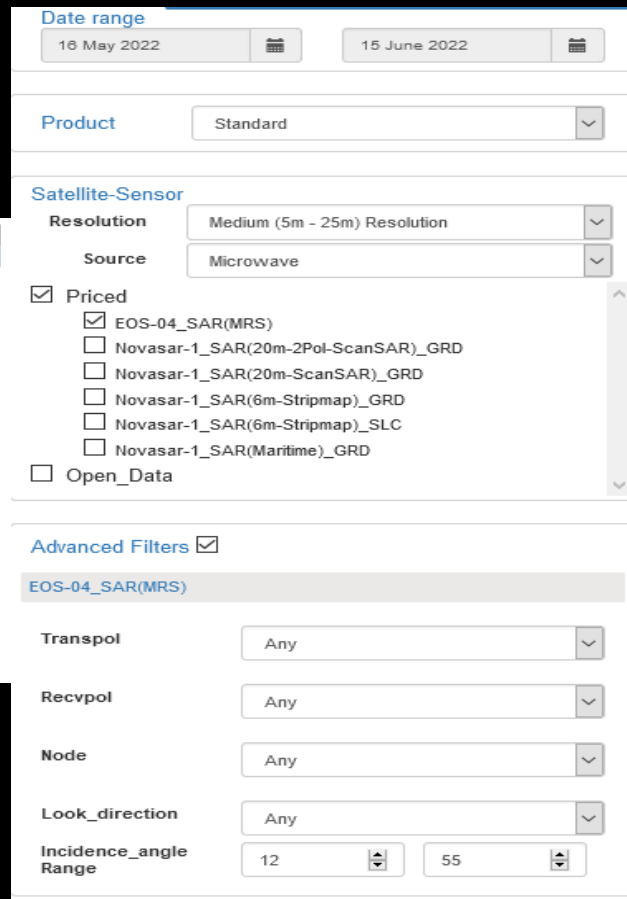
The screenshot shows the Bhoonidhi website interface. On the left, there is a search criteria panel with fields for Area of Interest, Location, Polygon, Shapefile, Map Sheet, and Events. Below this are date range filters (23 February 2022 to 26 March 2022), a Product dropdown (Standard), and Satellite-Sensor options (Resolution: Low (25m - 100m), Source: Optical). A 'Sign In' modal is overlaid in the center, containing a username field with 'naseeb', a password field with masked characters, a 'Login' button, and a 'HOME' button. The background shows a satellite map of a region.

## Bhoonidhi Registration

Personal Info	Address	Contact Details	Submit Registration
Salutation *	Ms		
Full name *	Ankitha		
Gender	female		
Login Id *	ankitha		
password *	.....		
User Type *	Central Government		

# Product Search: Inputs

- Area of Interest
- Date Range
- Product Type
- Resolution
- Satellite-Sensor
- Events
- Advanced Filters
- Natural language text based search option

# Product Search Inputs: Area of Interest

Search-Criteria Search-Results Cart

Area of Interest

Location

Place Name

Decimal  Degree-Minute-Second

Latitude

Longitude

Area(km)

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

TL\_Lat  TL\_Lon

BR\_Lat  BR\_Lon

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

Shapefile

Map Sheet

Open Series  Old Series

6X4  1  15'  7.5'  3'

B  42

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

Shapefile

Existing Shapefile  User Shapefile

Shapefile

Location, Polygon,  
Shapefile, Map  
sheet based and  
free draw on map

# Product Search Inputs: Product Type

Product

- Standard
- Standard
- Stereo
- Merged
- AIS
- Thematic

Satellite-Sensor

Resolution

Source











Search-Criteria Search-Results Cart

Footprint Controls

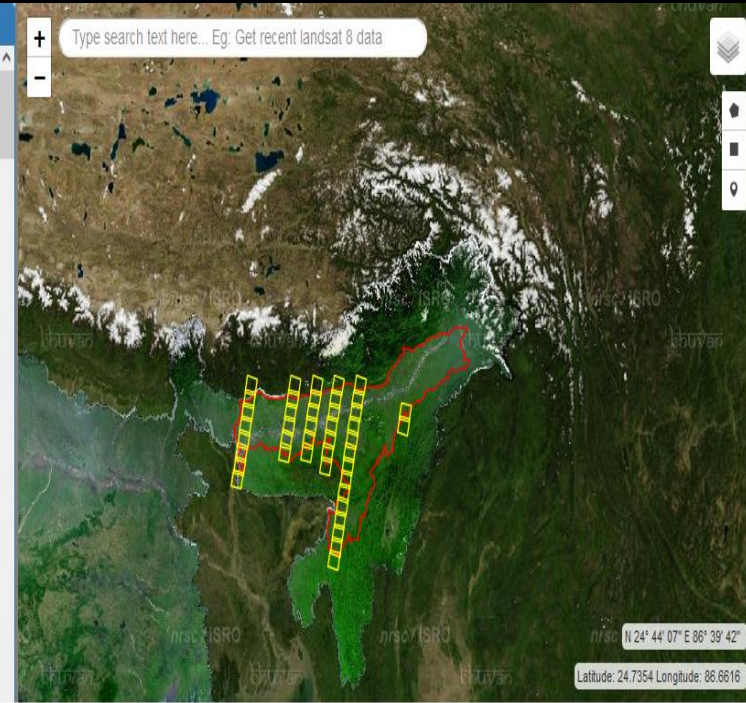
Search Details

Load more results

Show 100 Filter Results

	PS_PANA_SR_F 68667_600_273 Dop: 10-Jan-2018		PS_PANF_SR_F Scene: 68667_600_273 Dop: 10-Jan-2018
	PS_PANA_SR_F 68756_594_280 Dop: 16-Jan-2018		PS_PANF_SR_F Scene: 68756_594_280 Dop: 16-Jan-2018
	PS_PANA_SR_F 68756_594_273 Dop: 16-Jan-2018		PS_PANF_SR_F Scene: 68756_594_273 Dop: 16-Jan-2018
	PS_PANA_SR_F 68830_609_286 Dop: 21-Jan-2018		PS_PANF_SR_F Scene: 68830_609_286 Dop: 21-Jan-2018
	PS_PANA_SR_F 68741_616_276 Dop: 15-Jan-2018		PS_PANF_SR_F Scene: 68741_616_276 Dop: 15-Jan-2018

Type search text here... Eg: Get recent landsat 8 data



N 24° 44' 07" E 86° 39' 42"

Latitude: 24.7354 Longitude: 86.6616

# Product Search Inputs: Resolution

Satellite-Sensor

Resolution

Source

- Open\_Data
- Priced

Very high (0m - 1m) Resolution

High (1m - 5m) Resolution

Medium (5m - 25m) Resolution

Low (25m - 100m) Resolution

Coarse (100m - 1000m) Resolution

## Resolution Categories:

Very High (<1 m)

High (1m-5m)

Medium (5m-25m)

Low (25m-100m)

Coarse (>100m)

Satellite-Sensor

Resolution

Source

Open\_Data

- LandSat-8\_OLI+TIRS\_Standard
- LandSat-9\_OLI+TIRS\_Standard
- Sentinel-2A\_MSI\_Level-1C
- Sentinel-2A\_MSI\_Level-2A
- Sentinel-2B\_MSI\_Level-1C
- Sentinel-2B\_MSI\_Level-2A

Priced

- ResourceSat-2\_AWIFS
- ResourceSat-2A\_AWIFS\_BOA
- ResourceSat-2A\_AWIFS

# Advanced Filters

Search-Criteria Search-Results Cart

Advanced Filters

EOS-04\_SAR(MRS)

Transpol  
Any

Recvpol  
Any  
Horizontal  
Vertical

Node  
Circular  
FullPolarization

Look\_direction  
Any

Incidence\_angle Range  
12 55

Search-Criteria Search-Results Cart

Open\_Data  
 Priced  
     ResourceSat-2\_AWIFS  
     ResourceSat-2A\_AWIFS\_BOA  
     ResourceSat-2A\_AWIFS

Advanced Filters

ResourceSat-2\_AWIFS

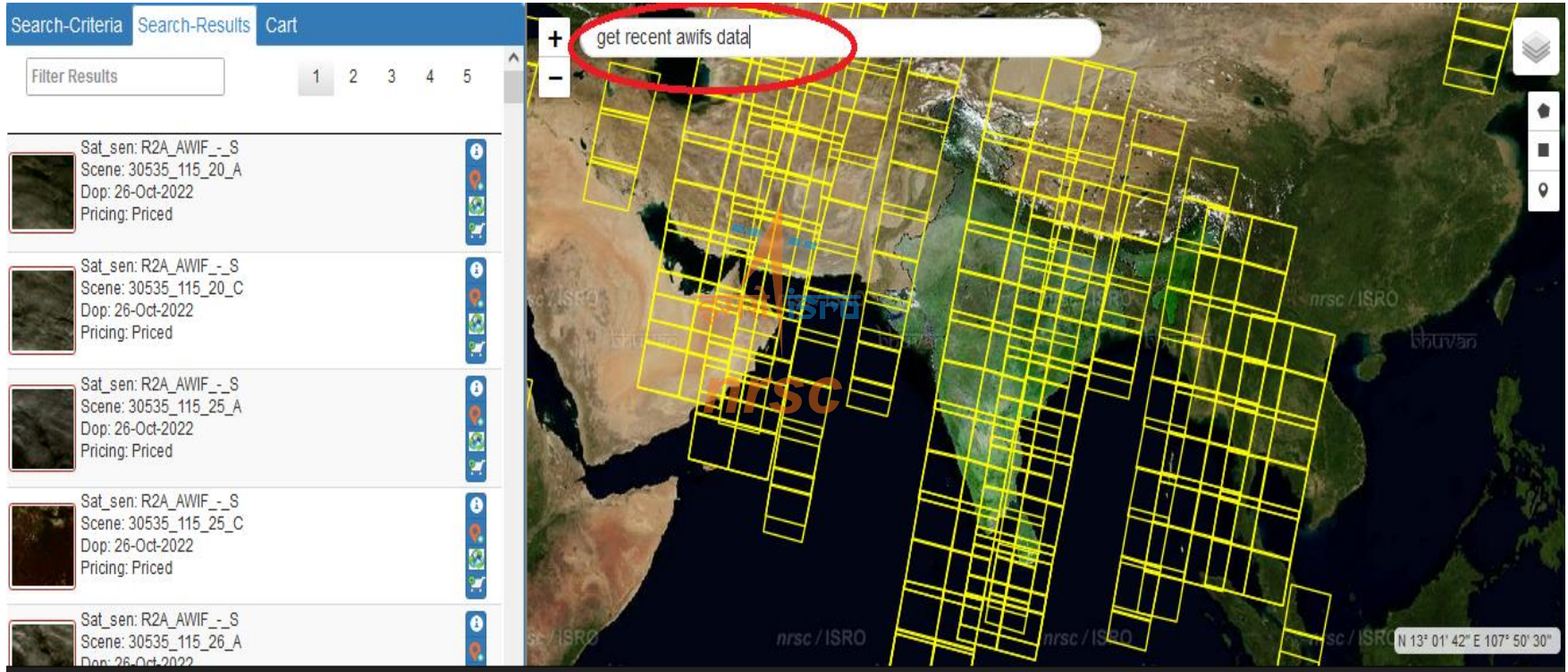
Cloud Less Than %

Path Range 1 341





Row Range 1 149

Coverage FullScene

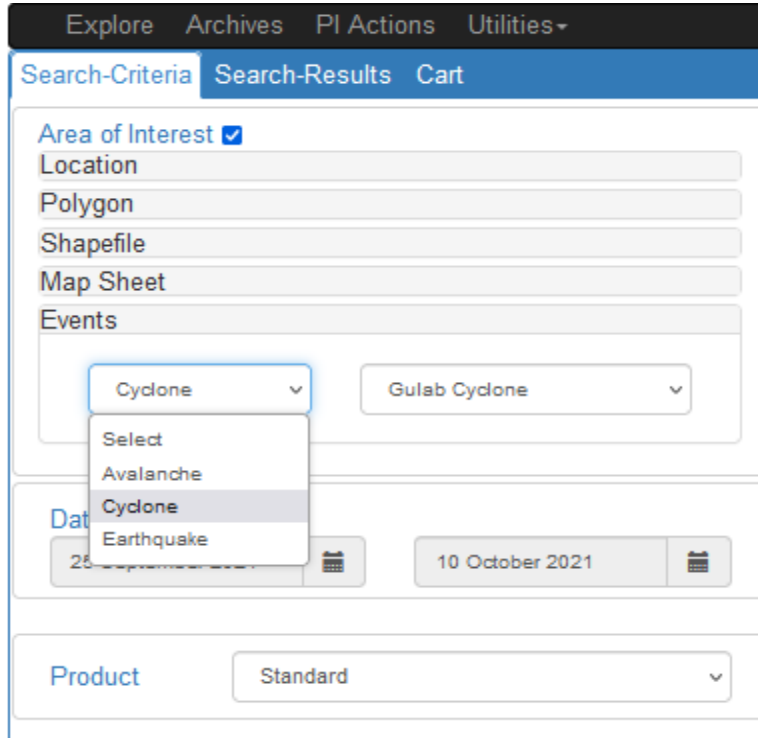
# Natural Language Text Based Search



The screenshot displays a satellite search interface. On the left, there is a sidebar with tabs for 'Search-Criteria', 'Search-Results', and 'Cart'. Below the tabs is a 'Filter Results' input field and a list of search results. The search results list contains five entries, each with a thumbnail image, a title 'Sat\_sen: R2A\_AWIF\_-\_S', a scene ID, a date 'Dop: 26-Oct-2022', and a pricing status 'Pricing: Priced'. On the right, a satellite map of the Indian subcontinent is shown with a search bar at the top containing the text 'get recent awifs data'. The search bar is circled in red. The map displays a grid of yellow rectangular swaths over the region. The interface includes zoom controls (+/-) and a location pin icon on the right side. A coordinate box at the bottom right shows 'N 13° 01' 42" E 107° 50' 30"'. The ISRO logo is visible on the map.

Thumbnail	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_20_A	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_20_C	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_25_A	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_25_C	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_26_A	Dop: 26-Oct-2022	Pricing: Priced

# Events Based Search



Explore Archives PI Actions Utilities

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

Shapefile

Map Sheet

Events

Cyclone

Select

Avalanche

Cyclone

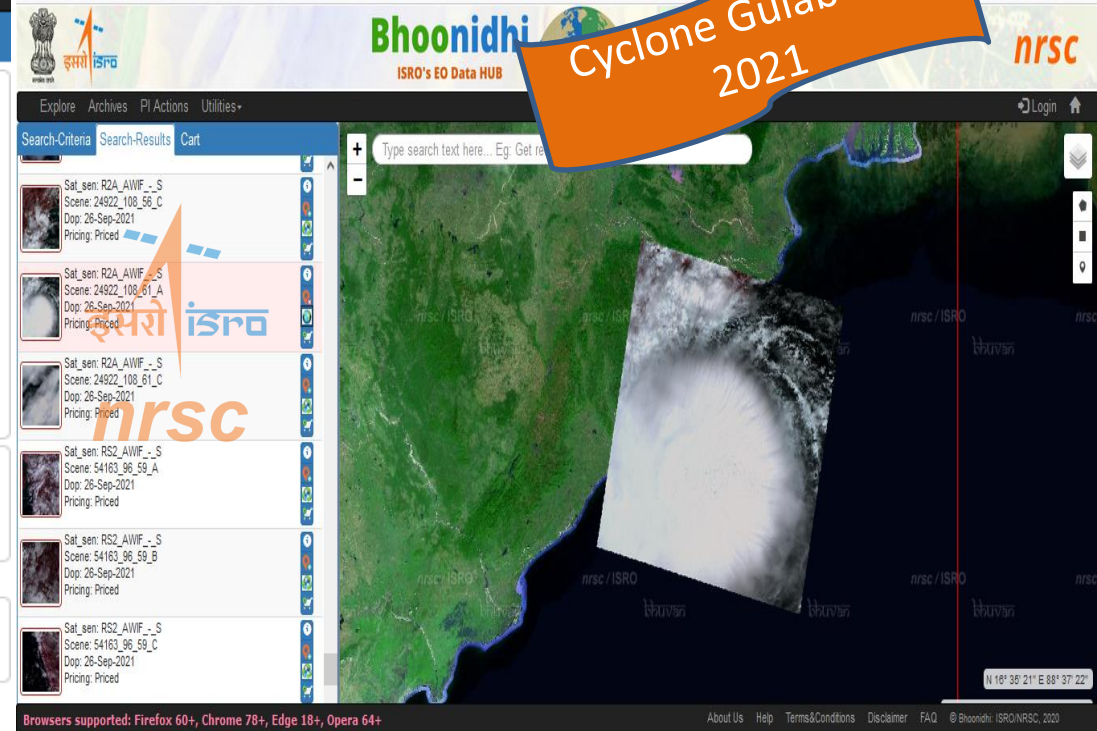
Earthquake

Date

26 September 2021

Product

Standard



Bhoonidhi ISRO's EO Data HUB

ISRO

nrsc

Explore Archives PI Actions Utilities

Search-Criteria Search-Results Cart

Type search text here... E.g. Get re

Sat\_sen: R2A\_AWIF\_...S  
Scene: 24922\_108\_59\_C  
Dop: 26-Sep-2021  
Pricing: Priced

Sat\_sen: R2A\_AWIF\_...S  
Scene: 24922\_108\_61\_A  
Dop: 26-Sep-2021  
Pricing: Priced

Sat\_sen: R2A\_AWIF\_...S  
Scene: 24922\_108\_61\_C  
Dop: 26-Sep-2021  
Pricing: Priced

Sat\_sen: RS2\_AWIF\_...S  
Scene: 54163\_96\_59\_A  
Dop: 26-Sep-2021  
Pricing: Priced

Sat\_sen: RS2\_AWIF\_...S  
Scene: 54163\_96\_59\_B  
Dop: 26-Sep-2021  
Pricing: Priced

Sat\_sen: RS2\_AWIF\_...S  
Scene: 54163\_96\_59\_C  
Dop: 26-Sep-2021  
Pricing: Priced

Y 16° 36' 21" E 88° 37' 22"

Browsers supported: Firefox 60+, Chrome 78+, Edge 18+, Opera 64+

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Cyclone Gulab-Sep 2021



# Thematic Data

Product: Thematic

Satellite-Sensor Source: Optical

Open\_Data

- OceanSat-2\_OCM(GAC)\_L2B-AerosolDepth
- OceanSat-2\_OCM(GAC)\_L2B-Chlorophyll
- OceanSat-2\_OCM(GAC)\_L2B-DifferentAttenuation
- OceanSat-2\_OCM(GAC)\_L2B-SuspendedSediments

Satellite-Sensor Source: Scatterometer

Open\_Data

- ScatSat-1\_SCAT\_2B
- ScatSat-1\_SCAT\_3SH
- ScatSat-1\_SCAT\_3SV
- ScatSat-1\_SCAT\_3WW

Search-Results Cart

oSat-1\_PANCDI\_CartoDEM-10m

25 September 2021 to 10 October 2021

polygon User's AOI is represented in red

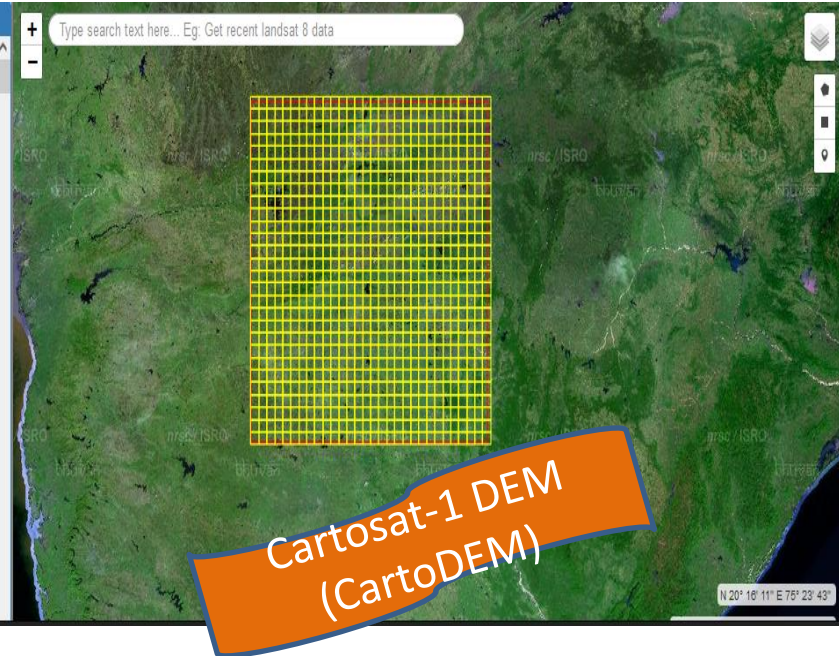
20221021\_000028162

products to Cart

Load more results

इसरो ISRO

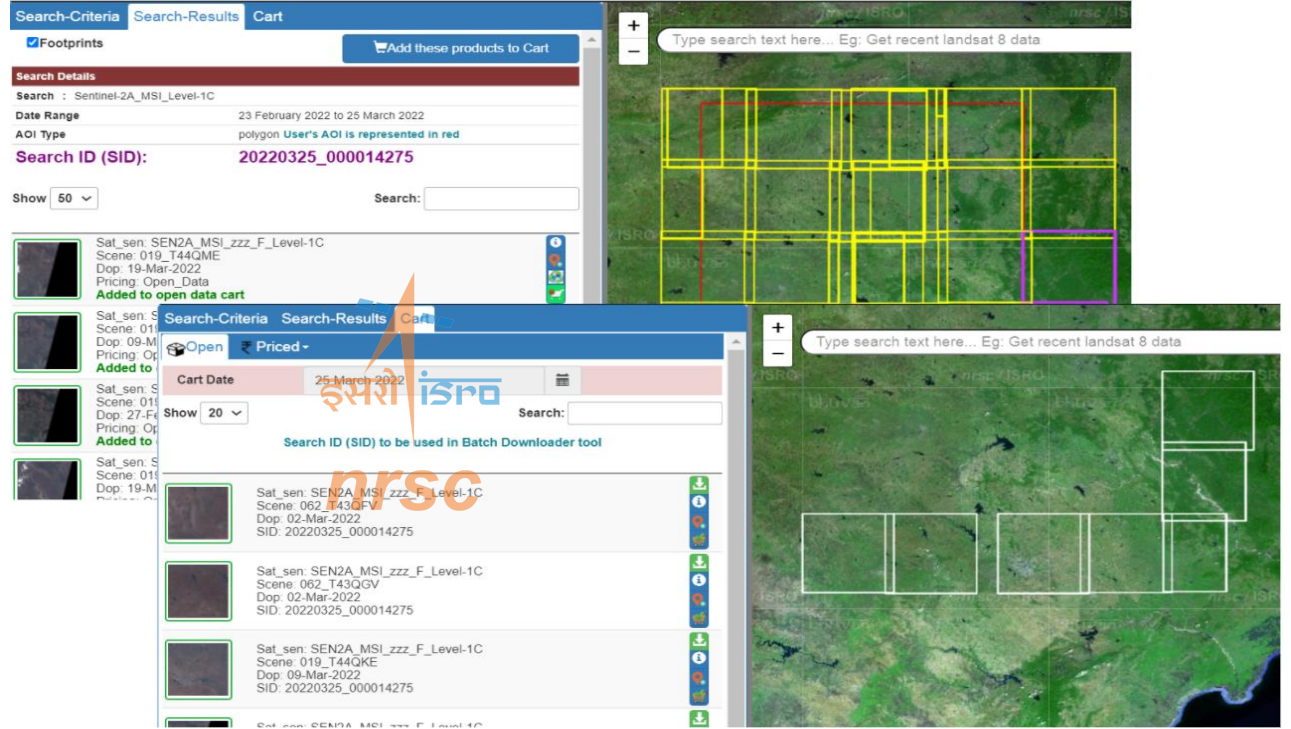
	Sat_sen: P5_PAN_CD_F Scene: P5_PAN_CD_N21_750_E077_375 Pricing: Priced
	Sat_sen: P5_PAN_CD_F Scene: P5_PAN_CD_N21_750_E077_500 Pricing: Priced
	Sat_sen: P5_PAN_CD_F Scene: P5_PAN_CD_N21_750_E077_625 Pricing: Priced



# Open Data

## Search & Download

Oceansat2 OCM-GAC,  
JPSS1, Suomi-NPP,  
Landsat-8&9, Sentinel  
1A, 1B, 2A, 2B



Search-Criteria Search-Results Cart

Footprints [Add these products to Cart](#)

**Search Details**

Search : Sentinel-2A\_MSI\_Level-1C

Date Range : 23 February 2022 to 25 March 2022

AOI Type : polygon *User's AOI is represented in red*

**Search ID (SID):** 20220325\_000014275

Show 50 Search:

Sat\_sen: SEN2A\_MSI\_...\_Level-1C  
Scene: 019\_T44QME  
Dop: 19-Mar-2022  
Pricing: Open\_Data  
**Added to open data cart**

Sat\_sen: S...  
Scene: 01...  
Dop: 09-M...  
Pricing: Op...  
**Added to**

Sat\_sen: S...  
Scene: 01...  
Dop: 27-F...  
Pricing: Op...  
**Added to**

Sat\_sen: S...  
Scene: 01...  
Dop: 19-M...  
Pricing: Op...  
**Added to**

Search-Criteria Search-Results Cart

Open  Priced

Cart Date: 25 March 2022

Show 20 Search:

**Search ID (SID) to be used in Batch Downloader tool**

Sat\_sen: SEN2A\_MSI\_...\_Level-1C  
Scene: 062\_T43QV  
Dop: 02-Mar-2022  
SID: 20220325\_000014275

Sat\_sen: SEN2A\_MSI\_...\_Level-1C  
Scene: 062\_T43QGV  
Dop: 02-Mar-2022  
SID: 20220325\_000014275

Sat\_sen: SEN2A\_MSI\_...\_Level-1C  
Scene: 019\_T44QKE  
Dop: 09-Mar-2022  
SID: 20220325\_000014275

Sat\_sen: SEN2A\_MSI\_...\_Level-1C

Search

Select

Add to  
Cart

Download

# Priced Data

EOS-04, Cartosat-3, Cartosat-2S, Resourcesat-1, 2, 2A, Cartosat-1, IRS 1A, 1B, 1C, 1D ...

**Browsing FREE**

Search: 561

Search ID (SID): 20220325\_000014334

Show 50 Search: 561

Added to Priced cart

Added to Priced cart

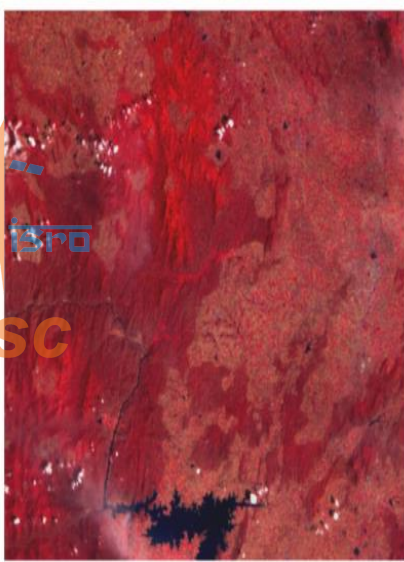
Added to Priced cart

Showing 1 to 4 of 4 entries (filtered from 62 total entries)

Load more results



Meta Data Information



Brightness : 45 Contrast : -10

Meta Data Information

Product Id: RS2\_LIS4\_FMX\_13-FEB-2022\_100\_66\_B\_SAN\_56152\_13-FEB-2022\_PLD\_56152\_1\_000\_432\_SAN\_SSRN\_1\_56159\_SAN\_SSRN\_2\_56159\_1

SCENE DETAILS	COVERAGE DETAILS
Satellite: RS2	Top Left Lat: 12.544
Sensor: LIS4	Top Left Lon: 77.642
Date of Pass: 13-Feb-2022	Top Right Lat: 12.412
Imaging Orbit No: 56152	Top Right Lon: 78.275
Ground Orbit No: 56152	Bottom Right Lat: 11.791
Path: 100	Bottom Right Lon: 78.131
Scene No: 65	Bottom Left Lat: 11.924
Sensor Specification: RS2_LIS4_FMX_F	Bottom Left Lon: 77.499
Scene Specification: 56152_100_66_B	Center Latitude: 12.168
Roll: 2.237	Center Longitude: 77.886
Quality: 1	



# Priced Data

**Product Details for** RS2\_LIS4\_FMX\_F Pricing Indian

Product Type: ST\_Standard | Dispatch Mode: FTP

Processing Level: 1\_Radiometric | Datum: WGS 84

Enhancement: 00\_Digital | Product Res: 5.0

Projection: 0\_No Projection | Priority: Normal

Resampling: 0\_No Resampling | No of copies: 1

Format: O\_Orthokit | Quality: Quality Check

---

**Cost**

Cost type: scene (Rs)

No of scenes: 2 | Unit Rate: 1070.00

Priority Charges: 0.00 | IGS / CGST / SGST: 0.0 / 0.0 / 0.0

Discounts: 0.00 | Final: 2140.00

[Add Product Specifications](#)

**Selected Products**

Satellite-sensor	Product code	Dispatch mode	Datum	Product res	Priority	Copies	Quality	No of scenes	Cost	Other Params	Action
RS2_LIS4_FMX_F	ST000010V	FTP	WGS 84	5.0	Normal	1	NA	2	2140.00	-	

Total Cost : Rs 2140

User Ref: testPI | Ref Date: 25 March 2022

[Generate Pro-forma Invoice \(PI\)](#)

Explore Archives PI Actions Utilities

Show 10 entries

Selection	PI Number	PI Date	Get PI Details	Show Footprints
<input type="checkbox"/>	15276	23-MAR-2022	Details	Footprints
<input type="checkbox"/>	14302	21-MAR-2022	Details	Footprints
<input type="checkbox"/>	10790	24-MAR-2022	Details	Footprints
<input type="checkbox"/>	9730	24-FEB-2022	Details	Footprints
<input type="checkbox"/>	9729	24-FEB-2022	Details	Footprints
<input type="checkbox"/>	7381	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7380	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7375	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7354	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7008	08-FEB-2022	Details	Footprints

Showing 1 to 10 of 326 entries

Previous 1 2 3 4 5 Next

[Delete PI](#) [Save PI PDF](#) [Generate Order](#)

---

Account Number: 0100700

**Shipping Address**

Full Name: NASEEB | Designation: S Engineer

Department: NRSC

Address Line 1: BALANAGAR | Address Line 2: BALANAGAR

City: HYDERABAD | State: Andhra Pradesh

Country: INDIA | Zip Code: 517503

Email: lkhooindhi@nrsc.gov.in

[Confirm](#)

Explore Archives PI Actions Utilities

**Order Status Monitor**

Search ID Monitor

Order Status Monitor

25 March 2022 | 25 March 2022

22752

[Get Orders](#) [Submit](#)

---

**Order Status**

Order Placed  | Order Confirmed  | Pre Production

In Production  | Ready for Delivery  | Order Delivered

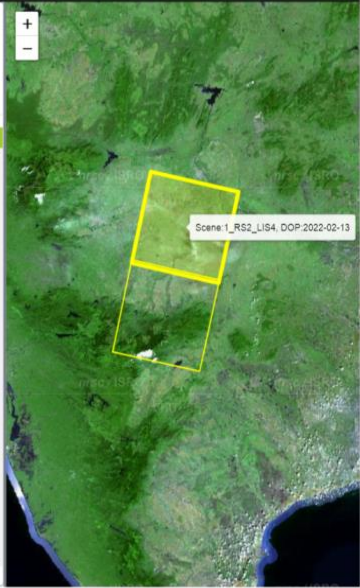
---

Show 20 entries

SAT	SEN	DOP	Status	Orbit	Product Code	Priority
1	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
1	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
1	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
2	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
2	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
2	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6

Showing 1 to 6 of 6 entries

Previous 1 Next



Scene: 1\_RS2\_LIS4, DOP: 2022-02-13



# Priced Data: Within 1 hour

Search-Criteria Search-Results **Cart**


Open ₹ Priced-

26 October 2022 26 October 2022 **Get SID(s)**

Select Search ID (SID)

20221026\_000022196 **Get Details**

Show 20 Filter Results

 Sat\_sen: RS2\_AWIF\_-\_S  
Scene: 59760\_122\_59\_C  
Dop: 25-Oct-2022  
SID: 20221026\_000022196

Showing 1 to 1 of 1 entries Previous 1 Next

**Select Product Specifications**

**Product Details for**

Product RS2\_AWIF\_-\_S Pricing Indian

Product Type ST\_Standard Dispatch Mode FTP

Processing Level G\_Georeferenced Datum WGS 84

Enhancement 00\_Digital Product Res 56.0

Projection L\_Lambert Conformal Conic **Priority Within 1 hour**

Resampling C\_Cubic Convolution No of copies 1

Format T\_GeoTIFF **Quality Irrespective of Quality**

**Cost**

Cost type	scene (Rs)	Unit Rate	
No of scenes	1	1120.00	
Priority Charges	560.00	IGST / CGST / SGST	0.0 / 0.0 / 0.0

# Order Status Monitoring

Utilities

## Order Status Monitor

01 September 2022  25 October 2022    
 59762

### Order Status



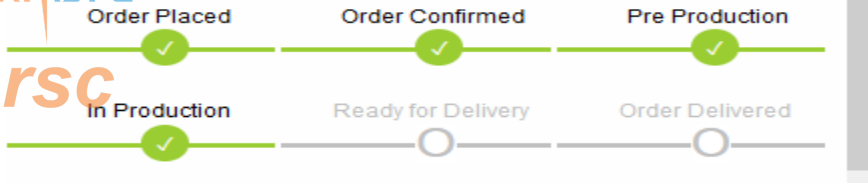
Show  Search:

	SAT	SEN	DOP	Status	Orbit	Product Code	Priority
1	RS2	LIS3	2022-09-29	DISPATCHED	59391	STUC00GTD 6	
2	RS2	LIS3	2022-09-29	DISPATCHED	59391	STUC00GTD 6	

## Order Status Monitor

01 September 2022  25 October 2022    
 66355

### Order Status



Show  Search:

	SAT	SEN	DOP	Status	Orbit	Product Code	Priority
1	P5	PAN	2015-11-20	UNDER PROCESS		G4GC006TV 0	
2	P5	PAN	2015-11-20	UNDER PROCESS		G4GC006TV 0	

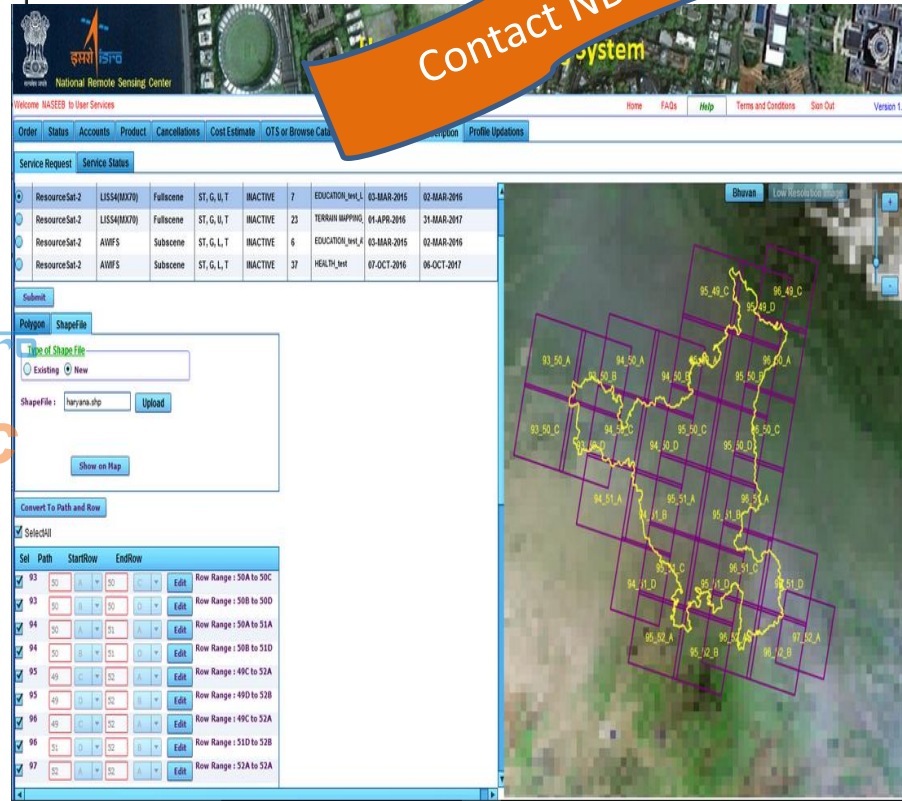
# Subscription Requests

Contact NDC

## Subscription Service :

India being a tropical country, at times 4-6 months in a year is cloudy over large areas. However, the data with partial cloud cover can be used for generation of time composites. Keeping this in view and to provide continuous (fresh acquisitions) and layered data, subscription service can be considered for current IRS satellites sensors which collects data with fixed path-row / systematic collection options i.e. Oceansat Ocean Color Monitor - Local Area Coverage, Resourcesat AWIFS / LISS-III / LISS-IV Cartosat-1and RISAT-1 data and similar succeeding missions with the following terms:

- Provide necessary data, irrespective of cloud cover, through subscription service, by entering into a yearly agreement.
- Basic unit of data request could be a region (covering in excess of 10,000sq.km)/State/Entire country. The price for such subscription may be
  - 25% of the user category price for OCM, AWIFS and LISS-III data
  - 50% of the user category price for LISS-IV, RISAT-1 and Carto-1 data.
- Whenever NRSC is not able to supply the total data of basic unit of request as defined above, due to technical difficulties, NRSC may charge only for the data supplied on a pro-rata basis.



The screenshot shows the National Remote Sensing Center (NRSC) NDC system interface. At the top, there is a navigation menu with options like Home, FAQs, Help, Terms and Conditions, Sign Out, and Version 1.0. Below the menu, there is a 'Service Request' table with columns for ResourceSat-2, LISS-III/IV, Fullscene/Subscene, ST, G, L, T, INACTIVE, and dates. A 'Submit' button is visible below the table. Below the submit button, there is a 'Polygon Shapefile' section with options for 'Existing' or 'New' shapefiles, a text input for 'Shapefile: haryana.shp', and an 'Upload' button. A 'Show on Map' button is also present. Below the shapefile section, there is a 'Convert To Path and Row' section with a 'Select' checkbox. Below that, there is a table for 'Sel Path' with columns for Path, StartRow, EndRow, and Edit buttons. The table shows paths 93, 94, 95, 96, and 97 with their respective row ranges. On the right side of the interface, there is a map of India with a yellow outline of a region in the north and a grid of purple rectangles overlaid on it, representing the subscription area.

# Dissemination Mechanisms

- Direct HTTPS based download through web portal for free data products
  - Instant Downloads for latest data
  - Delayed downloads for older data
- API based downloads for automation at user's end
- Media/FTP based dissemination for priced data products



# Help Documents and Videos

- Detailed documents and help videos available at:  
<https://bhoonidhi.nrsc.gov.in/bhoonidhi/htmls/help.html>



## Bhoonidhi

ISRO's EO Data HUB



## भूनिधि

इसरो ईओ डाटा हब



Help Documents	
Title	Description
LandSat Products Description	User Guide to the Landsat MSS, TM and ETM+ archives
Sentinel 1 Product Specification	Sentinel 1A/1B Product Specification Document
Sentinel 2 Product Specification	Sentinel 2A/2B Product Specification Document
NovaSAR Product Release Note	NovaSar Product Release Note - March 2021
NRSC Satellite Data Ordering	NRSC Satellite Data Ordering Migration from UOPS to Bhoonidhi
SFTP Products Download Help	SFTP Enabled Satellite Data Download Procedure
Bhoonidhi User Manual	Bhoonidhi User Guide
NovaSAR Product Format Document	NovaSAR Product Format Document

### Help Videos

**Bhoonidhi Login**



0:00 / 0:41

**Check Data Availability on Bhoonidhi**



0:00 / 0:47

**Priced Data Ordering (RS2 LISS3)**



0:00 / 2:55

**Path-Row based ordering**



0:00 / 0:36

**Merging multiple searches into single order**



0:00 / 4:00

**NovaSAR L1 Product Ordering**














0:00 / 2:55

# Users' Feedback

Bhoonidhi Survey

Dear B.PURNA KUMARI , Your inputs are valuable to us, specify your usage

<input type="checkbox"/> Environment Security and Bio-Resources  Forest cover and type mapping Desertification status mapping Coast mangrov Coral Related	<input type="checkbox"/> Water Security  Irrigation infrastructure assessment Water resource information system Snow melt run-off estimation Reservoir capacity evaluation
<input type="checkbox"/> Cartography  Satellite based topo-map updation Digital Elevation Model Large scale mapping Digital Elevation Model	<input type="checkbox"/> Disaster Management Support  Floo cyclo droug landsl earthquake and forest fire
<input type="checkbox"/> Geology and Mineral Resources  Landslide hazard zonation Mineral /oil explorati mining areas	<input type="checkbox"/> Climate Change Studies  Mapping the indicatio monitoring the agents and modelling the i Characterization of climate variables Methane emission and Timberline study
<input type="checkbox"/> Ocean and Meteorology  Ocean status forecast Storm surge modelling Tropical cyclone and mesoscale studies Ocean primary productivity	<input type="checkbox"/> Image processing Algorithms  Data mining algorithms Time series analysis Radiometric anomaly characterization Geometric Data quality characterization
<input type="checkbox"/> Rural Development  Drinking Water mission Wasteland mapping/updation watershed development and monitoring	<input type="checkbox"/> Interested in collaborative project  Multi-spectral data compression Spatial database management and data mi Design and development of Calibration sit Automated Data Quality Assessment techn Information fusion methods for multi-sens
<input type="checkbox"/> Urban Development  Urban sprawl mapping of major cities Master / structure plans Comprehensive development plans of sele Base map generation for towns	<input type="checkbox"/> Food Security  Saline/sodic soils mapping Crop production Monitoring and forecast Agro-Met services surveillance

- Application Usability - Once for every session
- General Feedback on Performance, Navigation, User Friendliness, Suggestions, etc
- Write to us at [bhoonidhi@nrsc.gov.in](mailto:bhoonidhi@nrsc.gov.in)

## FeedBack Form

Name \*

Please enter your Name \*

Mobile \*

Please enter your mobile

Email \*

Please enter your email \*

Please rate our application



Any Suggestion \*

Message for me \*

Please provide your valuable  
feedback on

<https://bhoonidhi.nrsc.gov.in>



THANK YOU

इसरो isro  
nrsc