



भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

(पोत परिवहन मंत्रालय, भारत सरकार)

मुख्यालय : ए-13, सेक्टर-1, नौएडा-201 301, (उ० प्र०)

INLAND WATERWAYS AUTHORITY OF INDIA

(Ministry of Shipping, Govt. of India)

Head Office : A-13, Sector-1, Noida-201 301 (U.P.)

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F. No. IWAI/HY/E-INICIATIVE/2020-21-Part(2)

Dated: 18th May, 2021

CIRCULAR

Sub.: Standard Operating Procedure (SOP) for PANI Portal - reg.

The Competent Authority has approved the Standard Operating Procedure (SOP) for PANI Portal. A copy of the same is enclosed herewith for information and implementation by all the concerned officials.

(A. Selvakumar)

Director (Hy. & Vig.)

Email Id: aselvakumar.iwai@nic.in

Phone No. 0120-2544040

Encl:- As stated above

Copy to (By E-Mail):

- i. Chief Engineer (Tech)/ Chief Engineer-P.M (JMVP)/ Hydrographic Chief/ Dy. Secretary, (P & C and IT)/ CAO (I/C)/ Director (M)/ Director (NER)/ Director (Tr. & L)/ Director (Tech.)/ Deputy Director (NER)/ Deputy Director (Tech), / Deputy Director & R.E., / A.S (A&R), A.S (Estt.), IWAI, Noida.
- ii. Director, IWAI, Kolkata/ Kochi/ Guwahati, Vijayawada
- iii. Dy. Director, IWAI, Patna
- iv. Office In-Charge, NINI, Patna
- v. Sub Office Varanasi, Allahabad, Sahibganj, Bhubaneshwar, Dibrugarh, Dhubri.
- vi. IT Cell – For uploading on IWAI Website
- vii. Hindi Cell – For Hindi Translation
- viii. Master Copy / Office Copy

Copy for Information to (By E-Mail):

P.P.S./P.S./P.A. to Chairperson/ Vice-Chairman/ Member (Finance)/ Member (Technical)/ Member (Tr. & L)/, Secretary, IWAI, Noida.



भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण
पत्तन, पोत परिवहन और जलमार्ग मंत्रालय, भारत सरकार
Inland Waterways Authority of India
Ministry of Ports, Shipping and Waterways, Government of India

Standard Operating Procedure

For

PANI Portal

भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण
Inland Waterways Authority of India
Ministry of Ports, Shipping and Waterways
Government of India

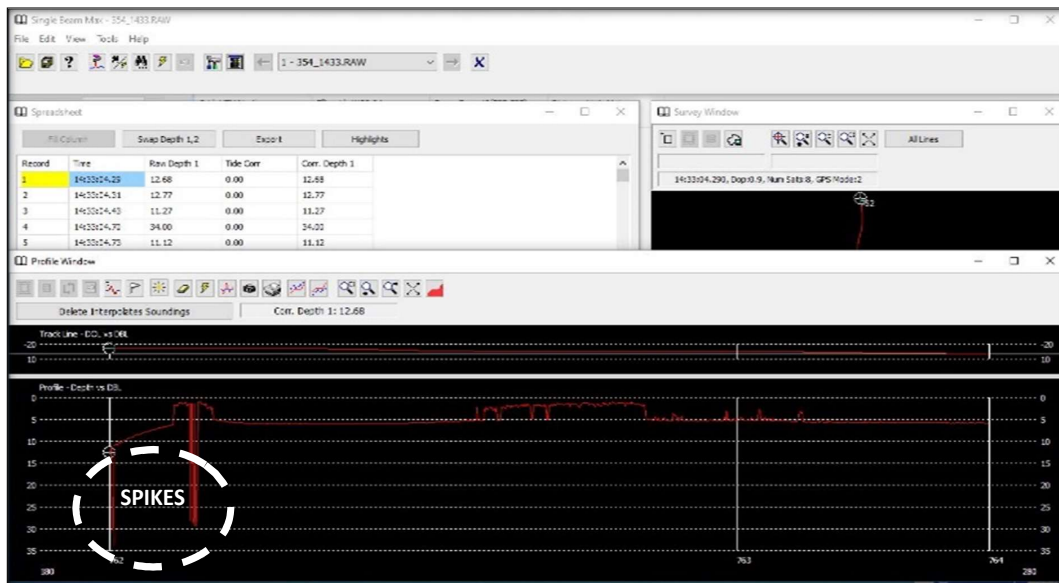
Home About IWAI PANI Services Admin Access Contact Us

**PORTAL FOR ASSETS AND
NAVIGATIONAL INFORMATION**

PANI is a digital service by IWAI that provides key systematic and aggregated River and Navigation information related to National Waterways in India for facilitating transportation of cargo and other vessels through National Waterways. This will help in better understanding of the key features of the NW that are essential for decision making on use of waterways mode for transportation.

Assets and Navigation Information

- For Navigation related information, designated Hydrographic Surveyors after Hydrographic-Survey/Thalweg-Survey shall sort out survey data and process the data including removal of Navigation spikes and Sounding spikes, if any. The processed data to be sorted with 25 mtr spacing/interval.



The screenshot shows the 'Sort-64' software interface. The 'Type' section has the following settings:

- Radius: 25.00
- DX: 25.00
- DY: 25.00
- DZ: 25.00
- 3-Dimensional Sort:

The 'Mode' section has the following settings:

- Sort with no Priority (No CHN):
- Sort with Priority:
- Sort with CHN Priority:
- Sort with Partitions:

The 'Output' section has the following settings:

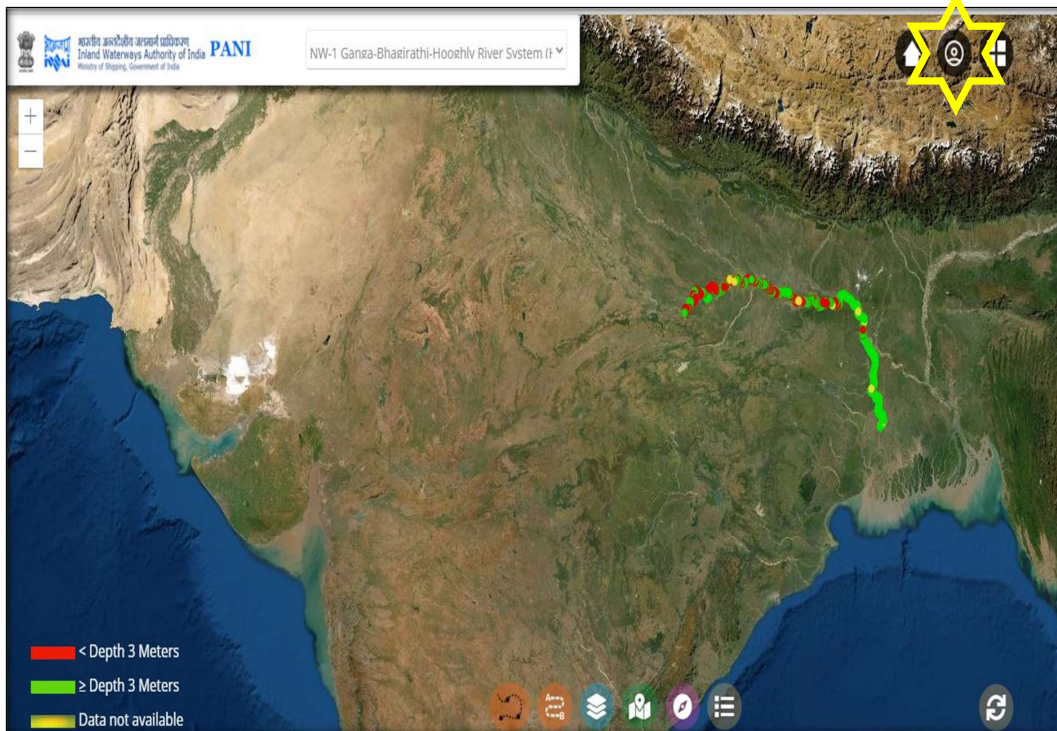
- File:
- One Output File per Input File:
- Golden Soundings:
- Target Depth/Elevation: 0.00
- Save rejected Data:
- Rejected Data Filename:

The 'Sort' button is visible at the bottom left.

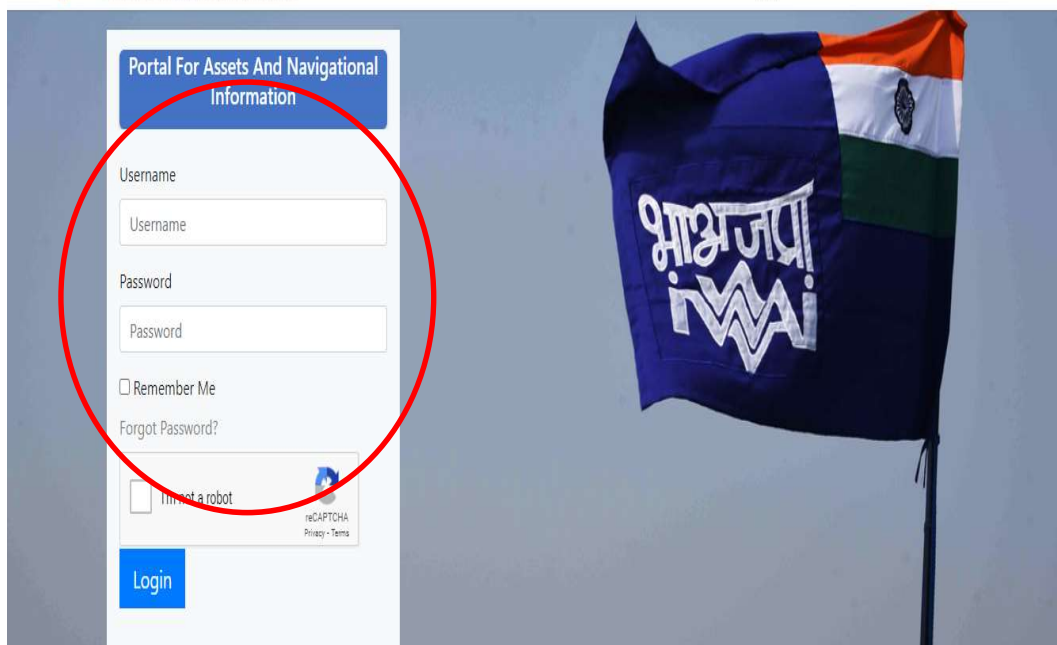
Note: File naming of .xyz file should contain (FN num – Month- Year- from place – to – to place). Example – 01 FN MAR 2021 PAT TO BAR. No special character should be present in the file name. Any other file name is strictly not permitted. The abbreviations of places are the first 03 letters of the Place name.

2. (i) Uploading Navigational data on PANI portal

a) Admin Login the portal, as starred/indicated below:

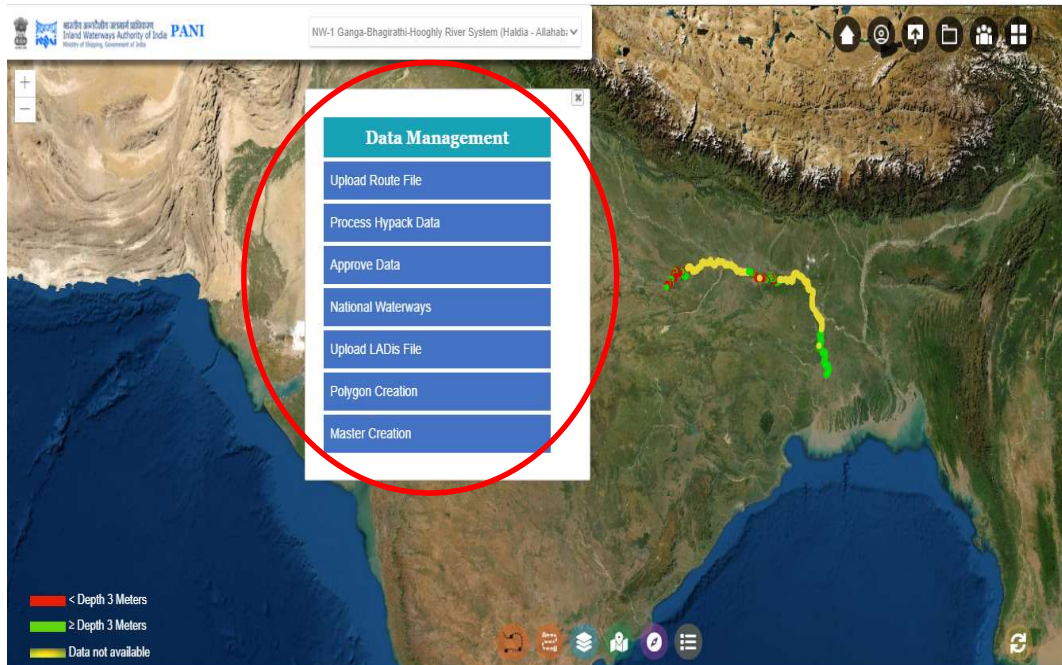


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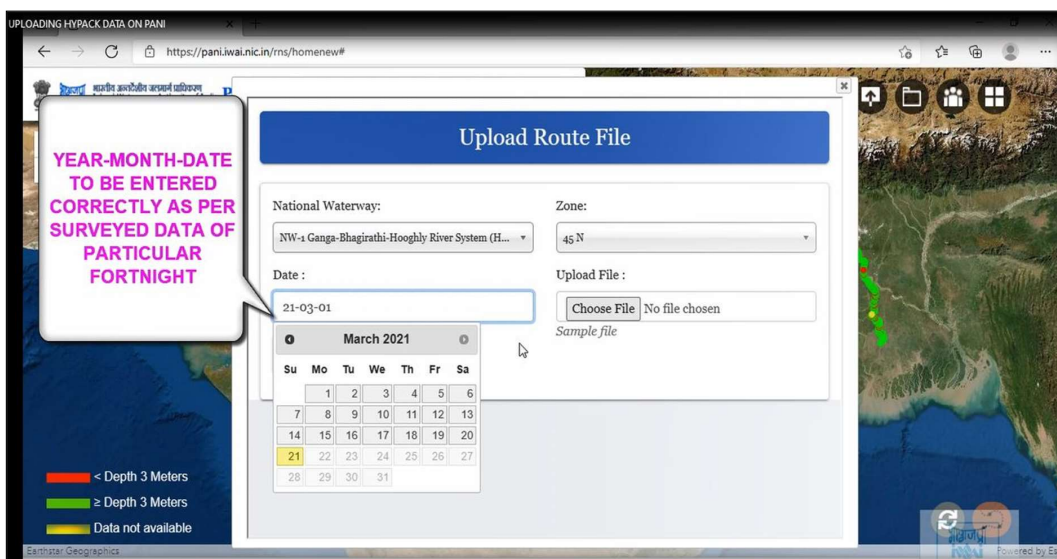
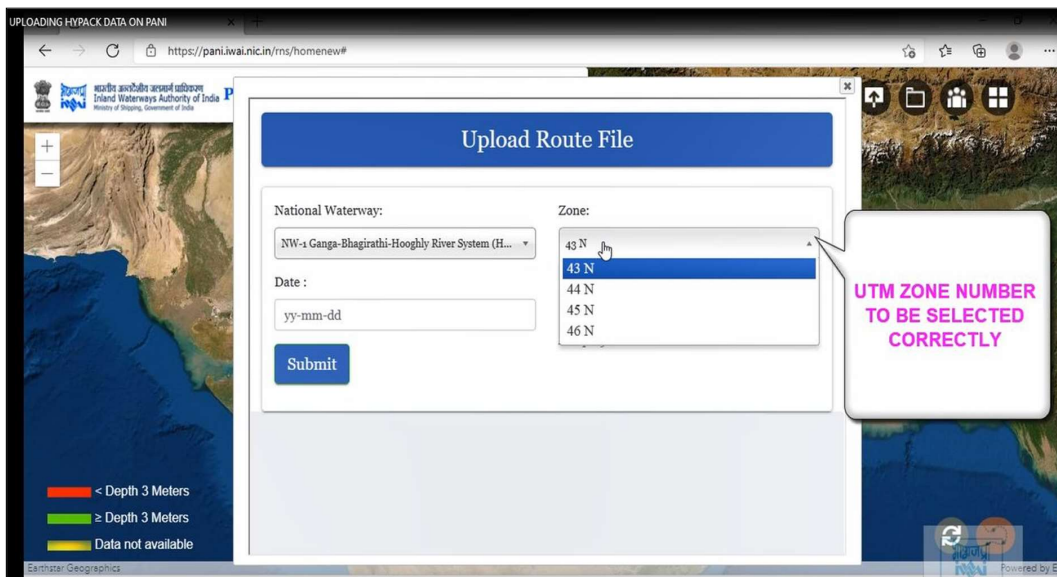
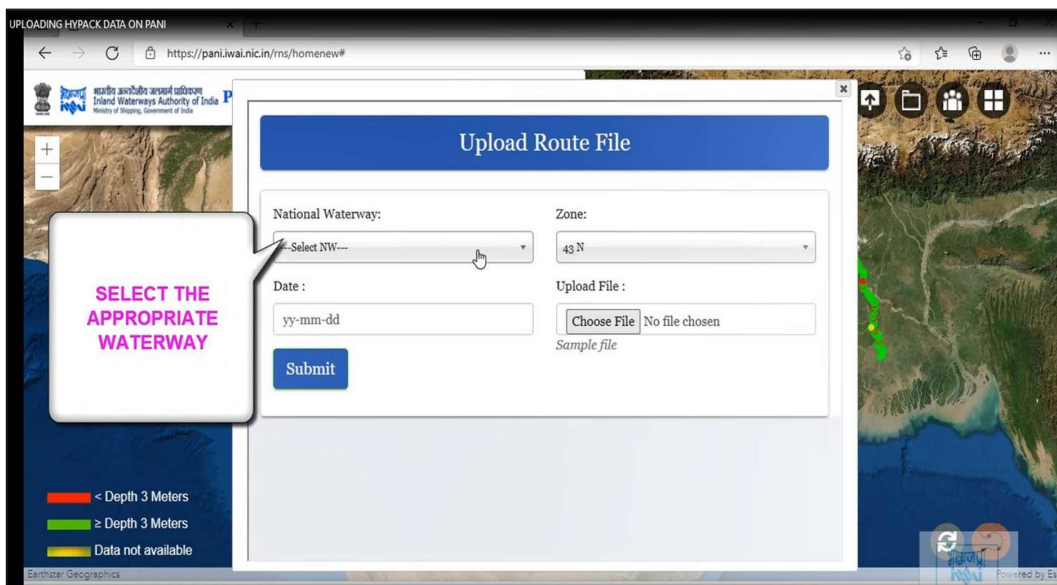


Note: Please follow the video tutorials before uploading data on PANI portal.

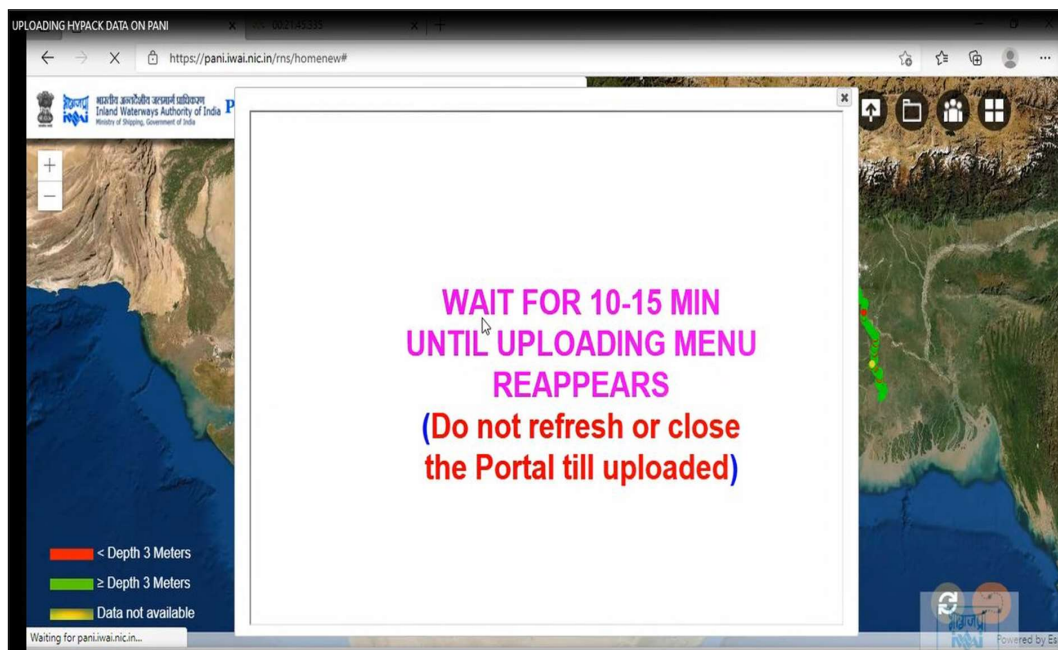
- b) After Login in, tap on **Data Management** as below, to upload Navigational data in the Portal, which will lead to the options of Data Management.



- c) Opting for **Upload Route File** shall open new pop-up window with provisions of selecting the appropriate National Waterway, correct UTM zone and Year-Month-Date as per fortnight is to be choose/filled precisely at the time of uploading.



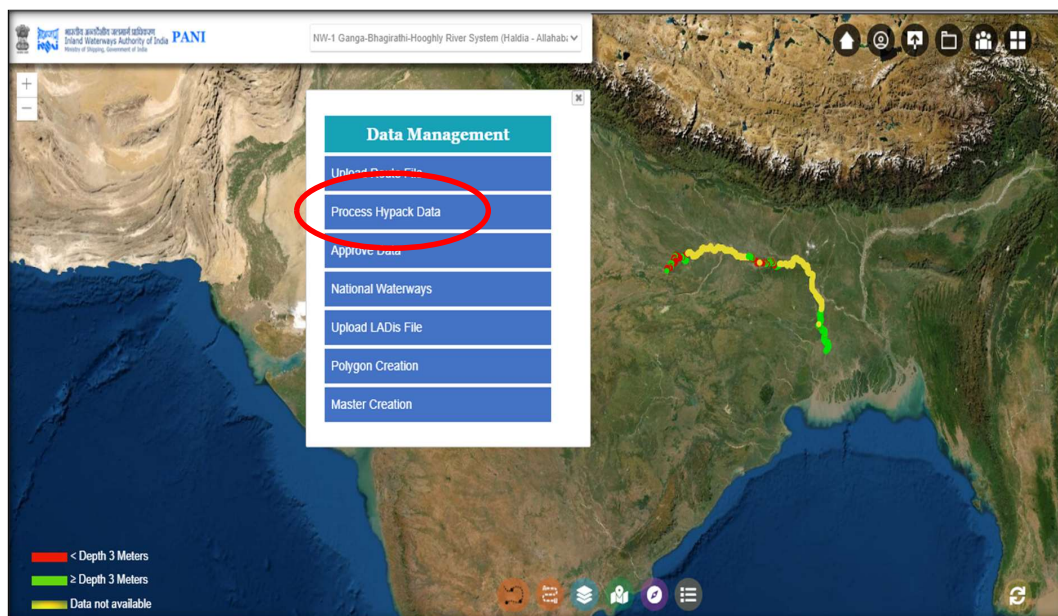
- d) After choosing file from **Choose File**, the system requires default time to upload the data in the Portal.



- e) Uploaded data should be cross-checked by the Director at the respective Regional Offices at the initial stage during compilation and shall also be checked at the viewing Pan after uploading of data in the portal.
- f) Data uploading on PANI portal should be completed within 03 days of the survey and completion report is to be made available to the Hydrographic Chief, IWAI Noida, on the same day.
- g) For RIS stations, any change in operator and contact nos. are to be intimated to Hydrographic Chief, IWAI Noida.

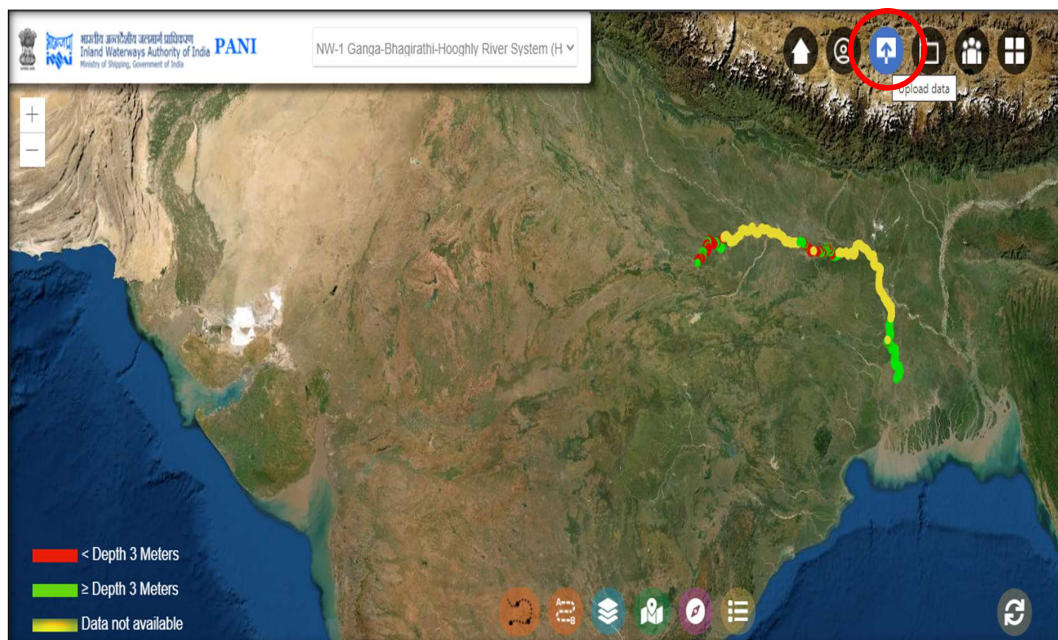
2. (ii) Process Hypack Data

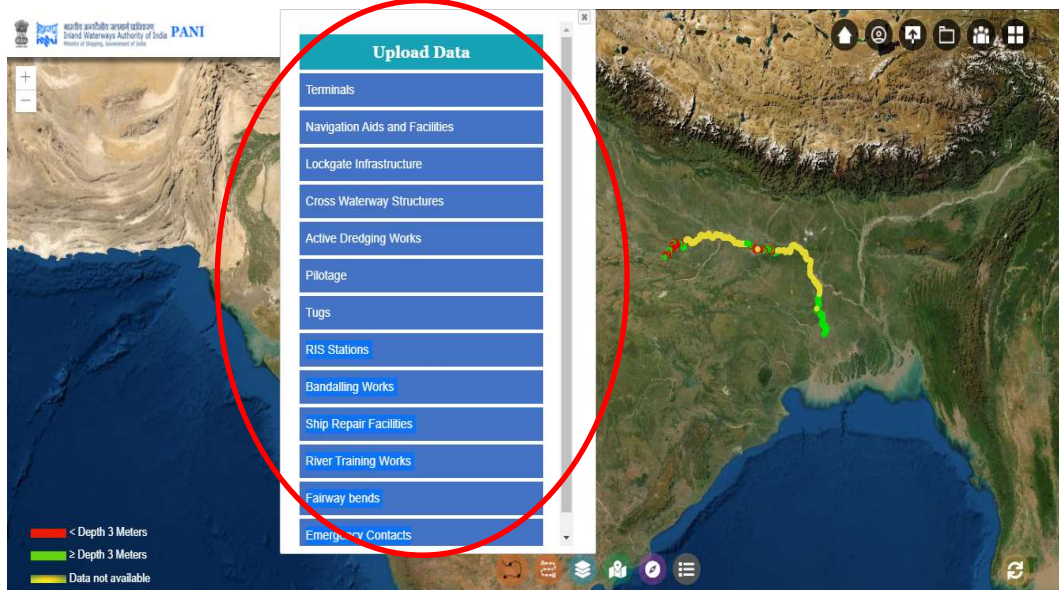
This tab shows the processed Hypack data uploaded in the Portal.



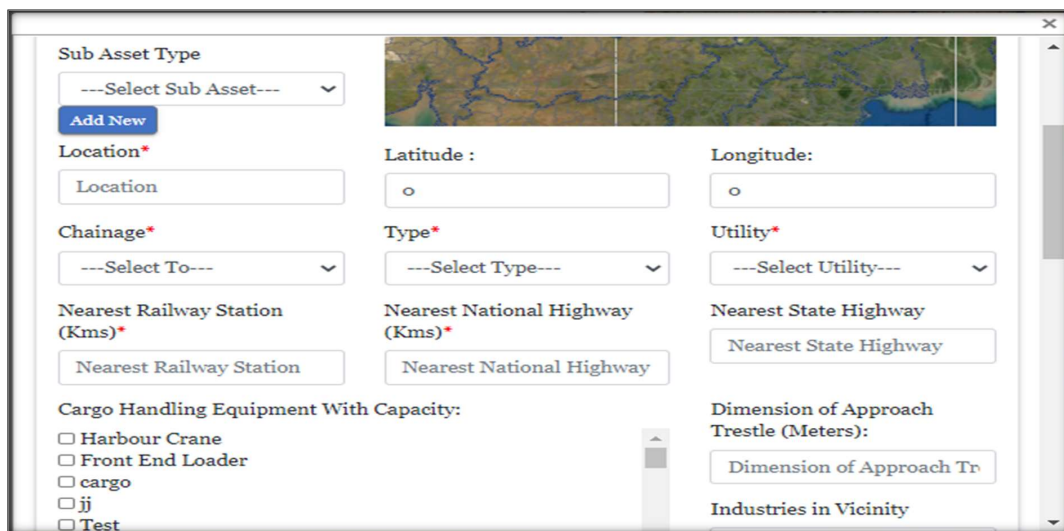
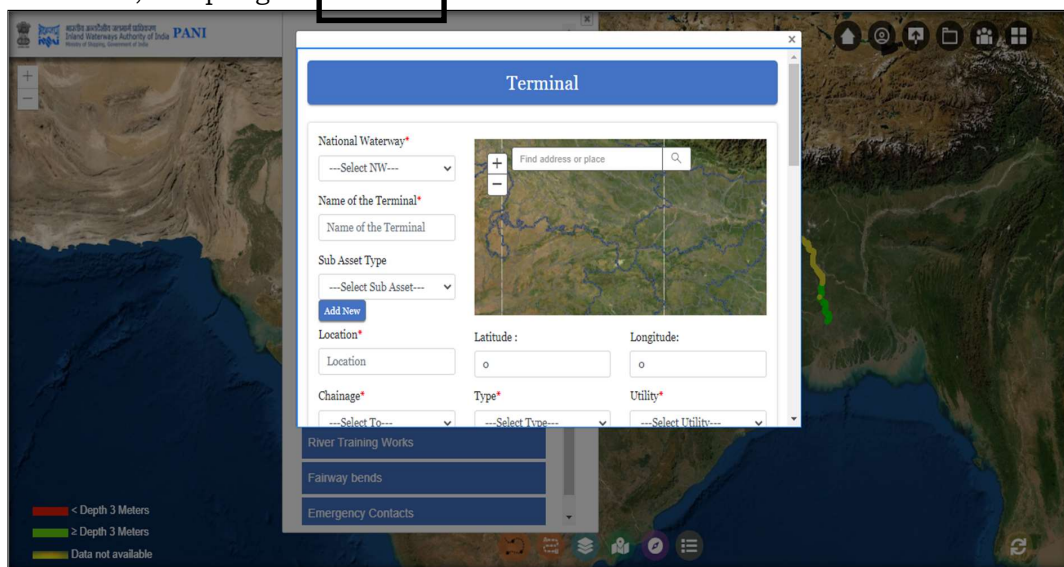
Hypack File Details							
Files Uploaded							
ID	Month	FN	Filename	Data For	Uploaded By	Date	Action
18482	April	1	1st FN TS KAHALGAON SULTANGANJ APRIL 2021(final).xyz	NW1 2021 April 1 temp	Poojan Kumar	2021- 04-16	Delete
18481	April	1	1st FN TS PATNA BARH APRIL 2021(Final).xyz	NW1 2021 April 1 temp	Poojan Kumar	2021- 04-16	Delete
18480	April	1	1st FN TS Rout 25 MMT Ramnagar to Chunar April 2021.xyz	NW1 2021 April 1 temp	Amit Das	2021- 04-16	Delete
18479	April	1	MBS-SUL-MAHE 2nd_WEEK_April-2021 @17m.xyz	NW1 2021 April 1	Poojan Kumar	2021- 04-16	Delete

3. Uploading of data and information related to National Waterways Assets and Navigational information in the portal:
- a) **Upload Data** tab provides workspace for uploading or input of data related to Terminals, Navigation Aids & Facilities, Lockgate Infrastructure, Cross Waterway Structure, Active Dredging Works, Pilotage, Tugs, RIS Stations, Badaling Works, Ship Repair Facilities, River Training Works, Fairway Bends and Emergency contacts.





b) For example, the input form for terminal (s) is opened in a pop-up window as follows, on opting for **Terminal** tab



Industries in Vicinity

Any Other Information:

Any Other Information

Storage Facilities:

Crane Pontoon 1 NO With 20Mt
 Nil
 NA
 Weigh Bridge
 Medical Facilities
 Bunkering
 Anchoring
 Customs
 Immigration

Water
 Electricity

storage shed
 stock yard
 silo
 Godown-2 Nos size 25m x 15m with open storage area - 600 sqm,
 Test
 str
 str

Operation Timings:

---Time In --

---Time In --

---Time Out --

Connectivity:

Local Amenities :

Parking Facilities:

No

HFL (Meters)

Emergency Contact:

Emergency Contact

LFL (Meters)

Operator Details:

MR. DEBASHISH KUN

Add New

Upload Schedule:

Choose File No fi...osen

Upload Image:

Choose File No fi...osen

Upload Layout:

Choose File No fi...osen

Submit

- c) Similarly, all other information and data related to other requisite assets shall be uploaded under their specific tabs, viz.

Navigation Aids and facilities

National Waterway*

---Select NW---

Chainage From*

---Select From---

Chainage To*

---Select To---

Asset Type*

---Select ---

Submit

Reset

Find address or place

National Waterways

[Add Waterway](#)

Search:

Sr No ↑	Name	Latitude	Longitude	Status	Action
1	NW-86 Rupnarayan River	22.3268	87.9487	Active	
2	NW-1 Ganga-Bhagirathi-Hooghly River System (Haldia - Allahabad)	25.2545	86.7364	Active	
3	NW-2 Brahmaputra River (Dhubri - Sadiya)	26.616	92.8081	Active	
4	NW-3 West Coast Canal	9.52518	76.359	Active	
5	NW-97 Sunderbans Waterway	21.9204	88.697	Active	
6	NW- IBP Route no 9 & 10	23.7889	76.4122	Active	
7	NW-9 Alappuzha- Kottayam – Athirampuzha Canal	9.48856	76.4122	Active	
8	NW-8 Alappuzha- Changanassery Canal	9.49939	76.4712	Active	
9	NW-4	24.0009	82.1779	Active	

National Waterways

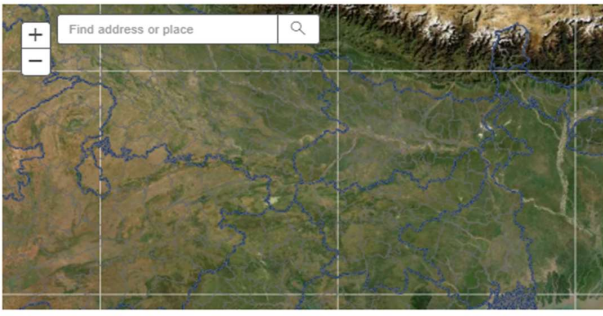
National Waterway Name: *

[Submit](#)

+

-

Find address or place



Latitude :

Longitude:

Pilotage

National Waterway*

Chainage From*

Chainage To*

Location:

RO/SO:

No. of pilots:

Contact information:

Mandatory IWAI Pilots*

[Submit](#)

Cross Waterway Structure

National Waterway*

---Select NW---

Sub Asset Type

---Select Sub Asset---

Add New

Name *


Type of facility with name

Chainage*

---Select Chainage ---

Location*

Location



Latitude :

Longitude:

Vertical Clearance(Meters):

Horizontal Clearance(Meters):

Sub Asset Type

---Select Sub Asset---

Add New

Name *

Type of facility with name

Chainage*

---Select Chainage ---


Location*

Location

Type*

---Select Type---

Submit



Latitude :

Longitude:

Vertical Clearance(Meters):

Horizontal Clearance(Meters):

Concerned Govt./ Pvt. Agency

Concerned Govt./ Pvt. Agei

RO/SO:

---Select Office---

Lockgate Infrastructure

National Waterway*

---Select NW---

Sub Asset Type

---Select Sub Asset---

Add New

Chainage*

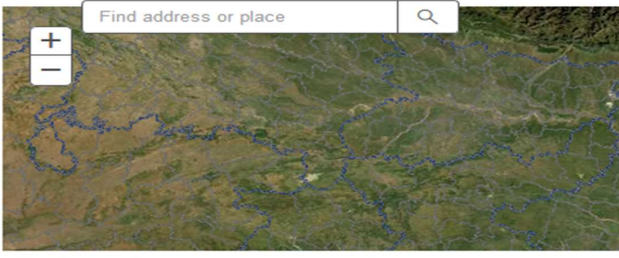
---Select From---

Operator's Details:

---Select Operator---

Add New

Location*



Latitude :

Longitude:

Dimension LxRxH (in Rmt):

Vessel Size Limitations:

ADD NEW
X

Chainage*

---Select From---

Operator's Details:

---Select Operator---

Add New

Location*


Location

Operation Timings From:

00:00

Emergency POC

Emergency POC



Latitude :

Longitude:

Dimension LxBxH (in Rmt.):

Dimension LxBxH:

Vessel Size Limitations:

Vessel Size Limitations

Operation Timings To

00:00

Avg Time Required To Pass (Minutes):

00:00

Submit

Active Dredging works

National Waterway*

---Select NW---

Chainage From*

---Select From---

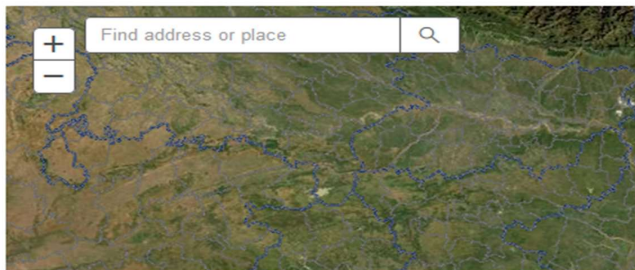
Chainage To*

---Select To---

Target LAD (Meters):

Target LAD

Submit



Details of Dredging Contractor:

Details of Dredging Contractor

Tugs

National Waterway*

---Select NW---

Chainage From*

---Select From---

Chainage To*

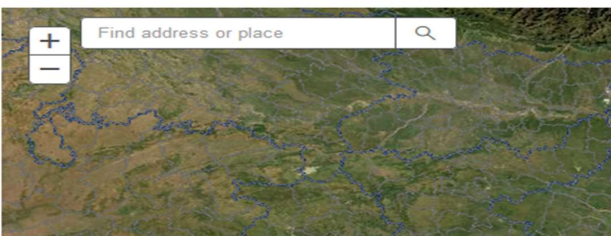
---Select To---

Location:

Location

Vessel Operator Details:

Vessel operator details



Details of Tugs:

Details of Tugs

Contact Information:

Contact Information

Submit

River Information System Station

National Waterway*

Sub Asset Type

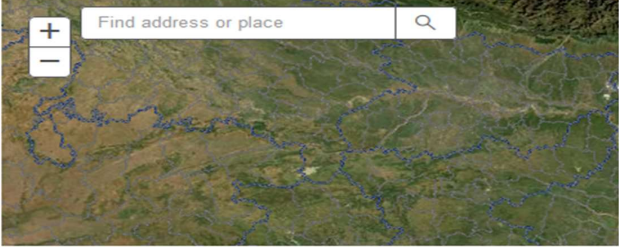
Add New

Chainage*

RIS Station with type:

Coverage (Radius) (Kms)*

Other Facilities Available:



Latitude :

Longitude:

Operator Details:

Operator Contact:

Image:

Remarks:

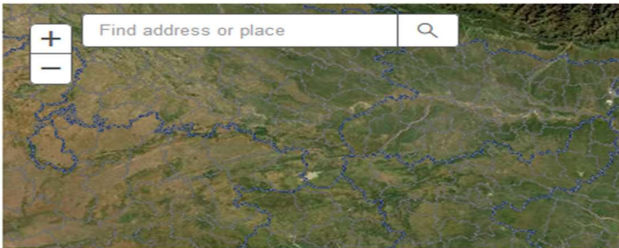
Bandalling works

National Waterway*

Chainage From*

Chainage To*

Remarks:



Ship Repair Facilities

National Waterway*

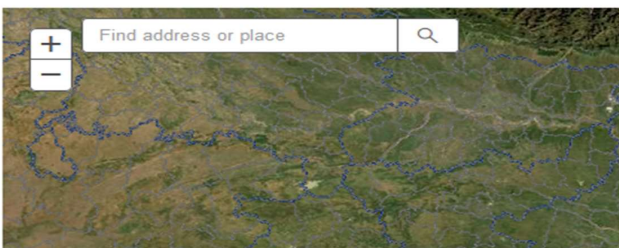
Sub Asset Type

Add New

Type of Facility*:

Location:

Chainage*



Latitude :

Longitude:

Contact Details:

Charges (INR):

Sub Asset Type

---Select Sub Asset---

Add New

Type of Facility:*

---Select Facility Type---

Location:

Location

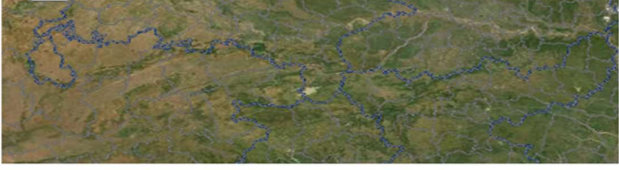
Chainage*

---Select Chainage---

Remark:

Remark

Submit



Latitude :

o

Longitude:

o

Contact Details:

Contact Details

Charges (INR):

Charges

Other facilities available:

Other facilities available

Operator Name:

---Select Operator---

Add New

Fairway Bends

National Waterway*

---Select NW---

Chainage From*

---Select From---

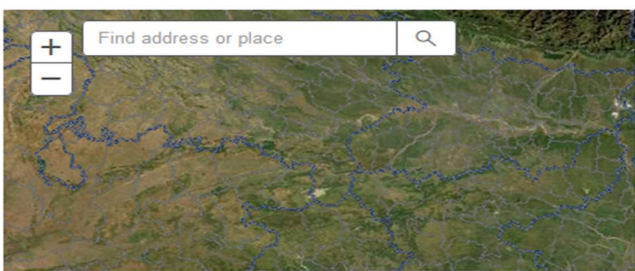
Chainage To*

---Select To---

Location of Bends:

Location of Bends:

Submit



Radius of Bends (Meters):

o

Emergency Contacts

National Waterway*

---Select NW---

Particulars*

---Select Particulars---

Chainage From*

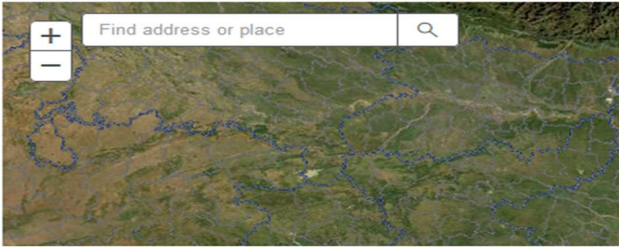
---Select From---

Chainage To*

---Select To---

Contact Details:

Contact Details



Concerned Authority:

Concerned Authority

Contact Person:

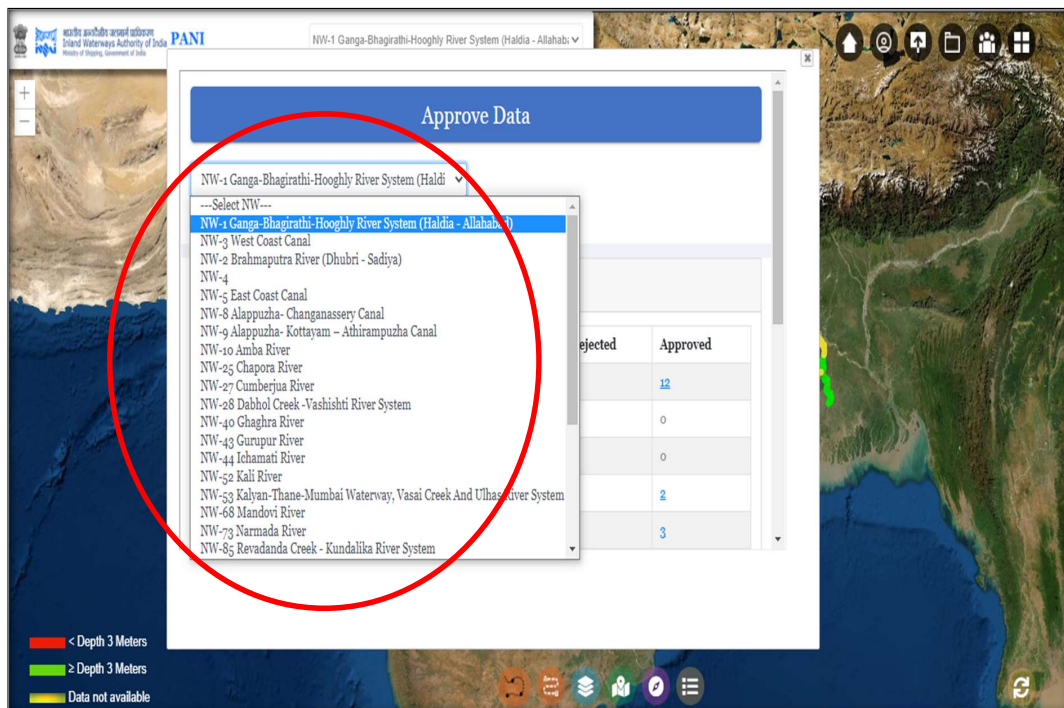
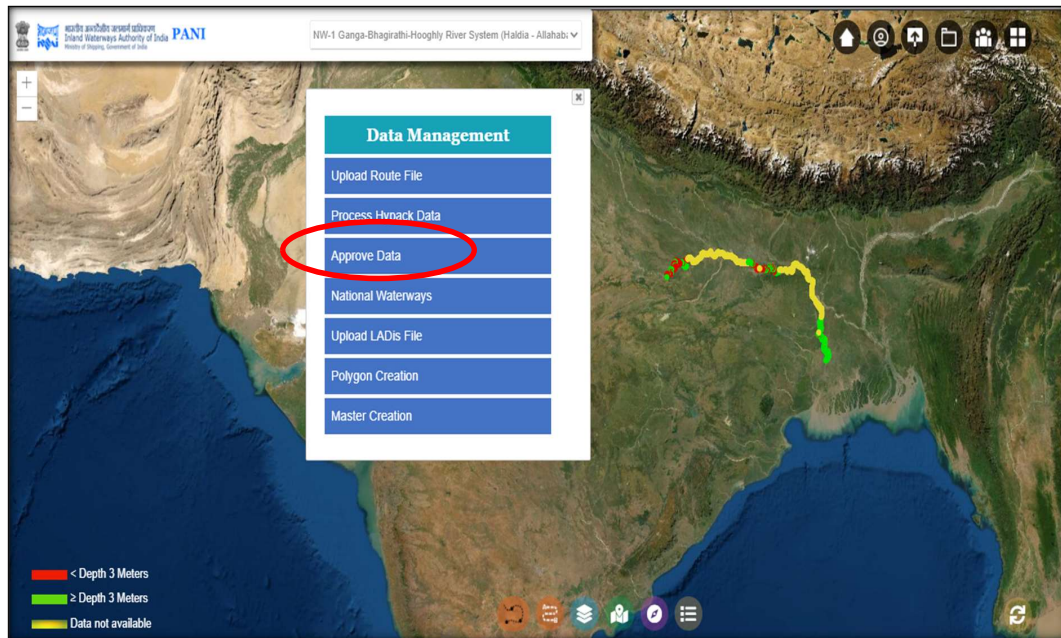
Contact Person

Remarks:

Remarks

4. Approval of Data

- a) After uploading of Assets and Navigation Data in the Portal as above, the data should be approved by the Admin under the tab **Approve Data** under different National Waterways, prior to display in the Public domain.



- b) The admin can also check the data related to Terminals, Navigation Aids & Facilities, Lockgate Infrastructure, Cross Waterway Structure, etc. in terms of Total, Pending, Rejected & Approved in nos. in the particular National Waterway.

Name	Total	Pending	Rejected	Approved
Terminals	10	4	5	14
Navigation Aids and facilities	15	9	6	0
Lockgate Infrastructure	0	0	0	0
Cross Waterway Structures	10	8	0	2
Active Dredging Works	4	1	0	3

5. To improve the visibility and ease of doing business, the portal has been designed to provide different genres of Maps as shown below:
