



General Help for National Geoscience Data Repository (NGDR)

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1. INTRODUCTION TO THE NGDR PORTAL

- Authorized users with valid login and password shall have access to the Portal services.
- User Profile Creation and Registration is required for the users to access the portal.
- The authorized user shall get their user credentials from the respective Administrator through their registered E-mail id.
- Based on the user role, successful authenticated users will be redirected to the their functional page.
- Based on the security features of the system, each user group will be allowed to access and perform specific set of activities available within the NGDR Portal.

2. LOGIN PROCEDURE

Step 1 : Input the given URL in the address bar

URL : <https://geodataindia.gov.in>

Step 2 : Login page will appear as below

Step 3 : Input Correct Username & Password and enter valid Captcha to login

भारत सरकार खान मंत्रालय
GOVERNMENT OF INDIA Ministry of Mines

NATIONAL GEOSCIENCE DATA REPOSITORY (NGDR)
राष्ट्रीय भूविज्ञान आंकड़ा कोष

Select Language A- A A+

Invites Proposals from Startups, MSMEs Offshore Mineral Amendment ACT_2023

LOGIN TO YOUR ACCOUNT

Username

Password
 [Send OTP](#)

Enter OTP

Captcha

[Refresh](#)

[Forgot Password](#) [Forgot Username](#)

[LOGIN](#)

Don't have an account? [Sign Up](#)

VeinVug filled Bornite & Covelite, Nanagwas Block, Nim ka Thana, Sikar District, Rajasthan


1

2


3


4

5





NGDR Map Service Gateway







MERT & Data Upload Gateway






General Help For Portal
nldr.helpdesk@digitalindia.gov.in







General Help For Portal (Videos)

Please Select ▾





NGDR API Help Guide

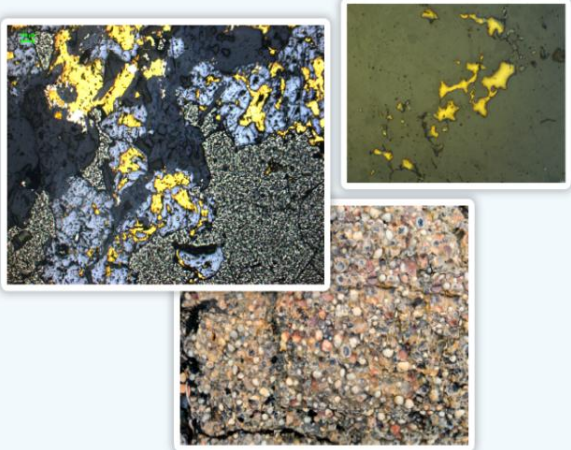


🏠 About NGDR

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👤 Stakeholders

⚙️ Documents



About Us

National Geoscience Data Repository (NGDR) is a flagship initiative conceptualised by Ministry of Mines as a part of National Mineral Exploration Policy (NMEP), 2016 for hosting all exploration related geoscientific data for dissemination to all the stakeholders so as to expedite, enhance and facilitate the exploration coverage of the country. Geological Survey of India is selected as the nodal agency for the implementation of NGDR. All legacy data of all stakeholders will be brought in to the system through digitization and all the exploration related data has been standardized through MERT (Mineral Exploration Reporting Template) and converted into GIS compatible formats for application of emerging technologies like AI and ML.

Explore More

1. NGDR Map Service Gateway:

Click on “NGDR Map Service Gateway “ link to navigate to the GIS map services.

2. MERT & Data Upload Gateway:

Click on “MERT & Data Upload Gateway” link to navigate to MERT and Dashboard.

3. General Help For Portal:

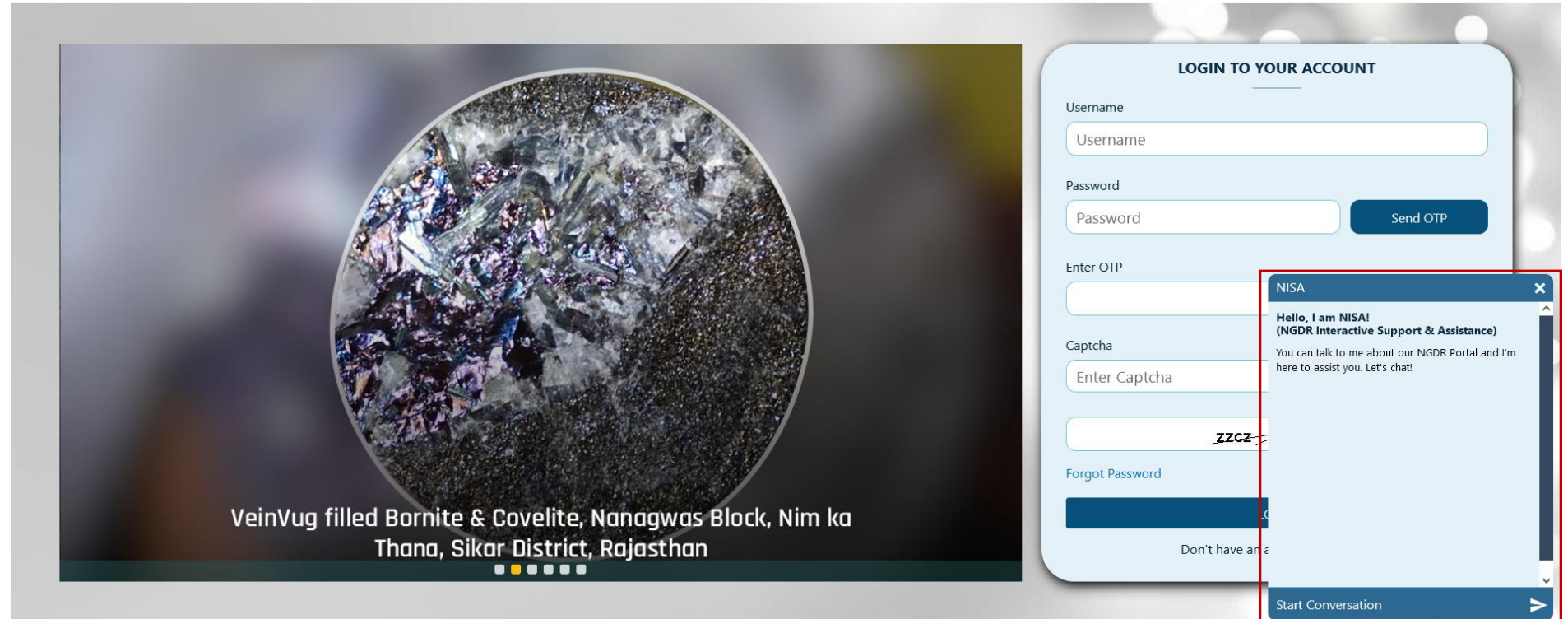
The “General help for portal” link will open the manual consisting the guidelines on how to use the portal and navigate through it.

4. General Help For Portal(videos):

The “General Help for Portal (videos)” link will download the video into the system explaining tools for GIS map services.

5. NGDR API Guide:

The “NGDR API Guide” link will open the user manual consisting the guidelines on how to use the API.



The screenshot displays the NGDR portal interface. On the left, a circular image shows a mineral specimen with the caption: "VeinVug filled Bornite & Covellite, Nanagwas Block, Nim ka Thana, Sikar District, Rajasthan". Below the image are five small colored squares. On the right, a "LOGIN TO YOUR ACCOUNT" form is visible, featuring fields for Username, Password, Enter OTP, and Captcha. A "Send OTP" button is next to the Password field. Below the Captcha field is a "Forgot Password" link. A chatbot window titled "NISA" is overlaid on the bottom right of the login form, containing the text: "Hello, I am NISA! (NGDR Interactive Support & Assistance) You can talk to me about our NGDR Portal and I'm here to assist you. Let's chat!". The chatbot window has a close button (X) in the top right and a "Start Conversation" button with a right-pointing arrow in the bottom right.

NISA:

The Chatbot is an AI-powered virtual assistant which will assist in answering all the queries related on how to use the portal.

3. SIGN-UP PROCEDURE


Step 1: Click on the sign-up link and the registration page will appear as below

Step 2: Input all the necessary fields to register in the portal and as well as to create the user profile.

Step 3: After validating and authenticating the details by the respective administrator the user credentials will be shared through the registered email id.



Register Here

Salutation*	--Please Select--	Address	<input type="text"/>
First Name*	<input type="text"/>	Pincode	<input type="text"/>
Middle Name	<input type="text"/>	Employee ID	<input type="text"/>
Last Name	<input type="text"/>	Designation	<input type="text"/>
Gender*	--Please Select--	User Name*	<input type="text"/>
User Type*	--Please Select--	Password*	<input type="text"/>
Organization Name*	<input type="text"/>	Confirm Password*	<input type="text"/>
Mobile Number	<input type="text"/>	Captcha*	
Email ID*	<input type="text"/>		<input type="text" value="Enter Captcha"/>
One Time Password*	<input type="text"/>		

Send OTP

Sign Up

4. CHANGE PASSWORD

In the User Profile Page, from the top right drop down menu select the option “Change Password”

The screenshot displays the 'User Profile' page of the National Geoscience Data Repository (NGDR) Mineral Exploration Reporting Template (MERT). The page header includes the Government of India logo and the Ministry of Mines, along with the system name. The user profile form contains the following information:

Salutation	Ms.	Address	BISAG,GAndhinagar
First Name	Anitha	Pincode	382421
Middle Name		Agency Name	BISAG-N
Last Name	Suji	Designation	Project Manager
Gender	Female	Employee ID	1105
User Type	NGDR Admin	User Name	Anitha
Mobile Number	91 7574543217		
Email ID	anithasuji@gmail.com		

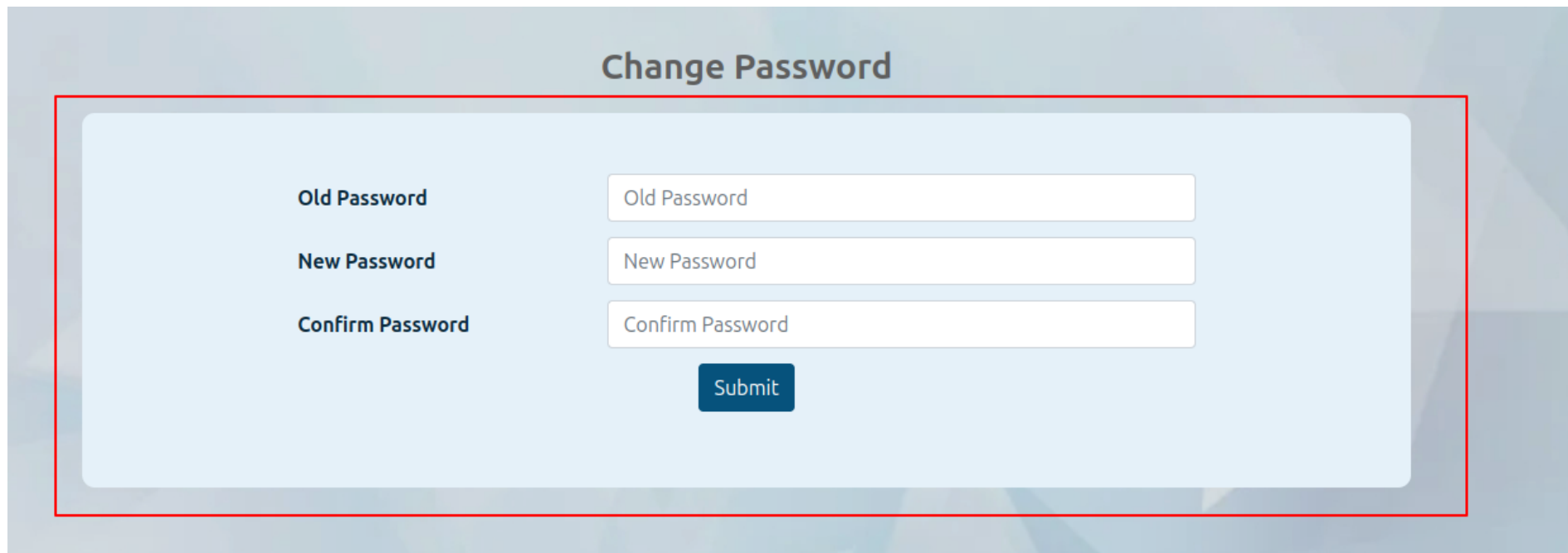
A dropdown menu is open on the right side of the page, listing the following options: CHANGE PASSWORD, CHANGE MOBILE, UPDATE PROFILE, DELETE ACCOUNT, and SIGN OUT. The 'CHANGE PASSWORD' option is highlighted with a red border.

Step 1: Input the old password

Step 2 : Input the new password

Step 3 : Confirm the new password and click on “Submit” button

Step 4 : The password will be updated and notified through registered mail ID.



The image shows a 'Change Password' form with a light blue background and a red border. The form contains three input fields and a submit button. The first field is labeled 'Old Password' and contains the text 'Old Password'. The second field is labeled 'New Password' and contains the text 'New Password'. The third field is labeled 'Confirm Password' and contains the text 'Confirm Password'. Below the fields is a dark blue 'Submit' button.

Change Password

Old Password

New Password

Confirm Password

Submit

5. CHANGE MOBILE NUMBER

In the User Profile Page, from the top right drop down menu select the option “Change Mobile”

The screenshot displays the 'User Profile' page of the National Geoscience Data Repository (NGDR) Mineral Exploration Reporting Template (MERT). The page header includes the Government of India logo and the Ministry of Mines. The navigation bar shows 'HOME' and 'DASHBOARD' options. The user profile form contains the following information:

Salutation	Ms.	Address	BISAG,GAndhinagar
First Name	Anitha	Pincode	382421
Middle Name		Agency Name	BISAG-N
Last Name	Suji	Designation	Project Manager
Gender	Female	Employee ID	1105
User Type	NGDR Admin	User Name	Anitha
Mobile Number	91 7574543217		
Email ID	anithasuji@gmail.com		

A dropdown menu is open on the right side of the page, listing the following options: CHANGE PASSWORD, CHANGE MOBILE (highlighted), UPDATE PROFILE, DELETE ACCOUNT, and SIGN OUT. A 'Close' button is located at the bottom center of the profile form.

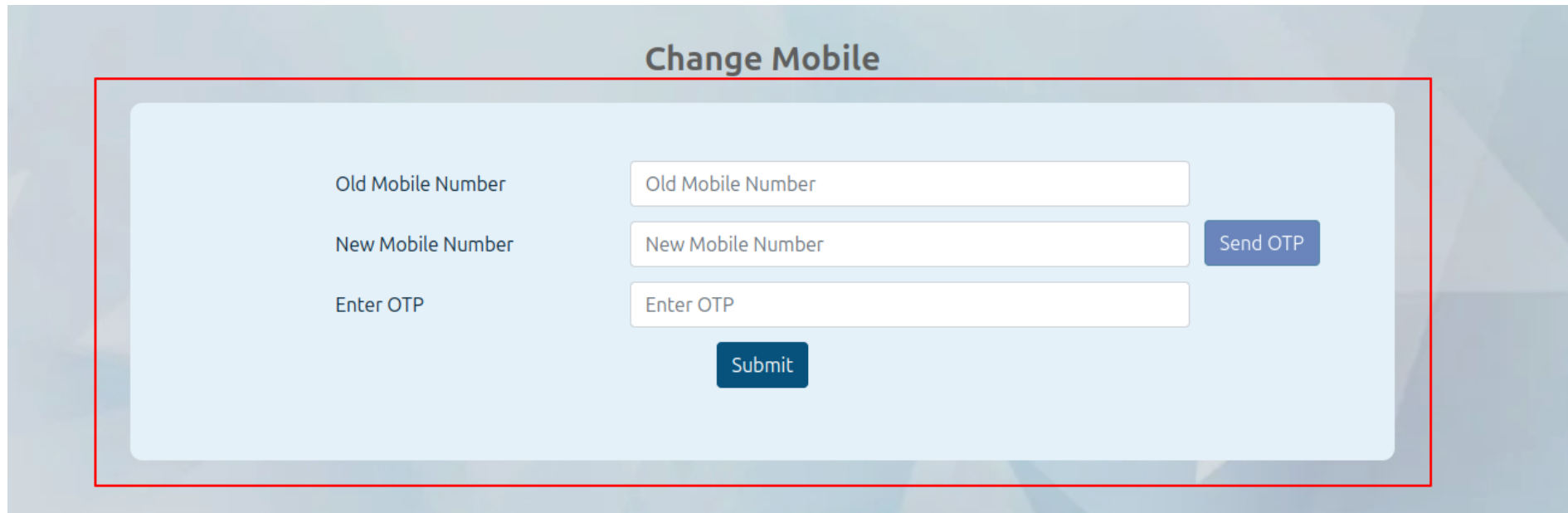
Step 1: Input the old contact number

Step 2 : Input the new mobile number

Step 3 : Click on “send OTP” button to receive the OTP

Step 4 : Input the OTP received in the new mobile number and click on “Submit” button

Step 5 : The mobile number will be updated and notified through registered mail ID.



The image shows a web form titled "Change Mobile". The form is enclosed in a light blue rounded rectangle with a red border. It contains three input fields on the left, each with a corresponding label: "Old Mobile Number", "New Mobile Number", and "Enter OTP". To the right of the "New Mobile Number" field is a blue button labeled "Send OTP". Below the "Enter OTP" field is a blue button labeled "Submit".

6. MERT (MINERAL EXPLORATION REPORTING TEMPLATE)

- Once the user login as Data Uploader, the new user will be taken to the Instruction page where all the information related to MERT users and Data uploading are clearly mentioned as below.
- After reading the instructions, select the “I have read the Instructions” checkbox and click on “agree” button.



Instructions To The MERT Users

- Privilege to edit uploaded data will remain with uploading agency only.
- The data should be uploaded only through the online MERT template.
- Through MERT template, data is uploaded in two phases. Phase one uploads the general metadata that is referred as **Dataset Details** and **Area Details**. Phase two uploads the original data files along with additional metadata details for each of the exploration related projects.
- Projects that directly deals with or aids to mineral exploration, can be of four types. Under **Dataset Details, Project Type** drop down menu contains these four types.
 - a. **Exploration Data:** Data that is essentially collected during mineral exploration in a specific block or area. It will primarily contain borehole data which may include a single compiled file containing all the information, or may contain multiple files for Collar data, Deviation, Downhole Geophysics, Downhole Geochemistry, Lithology etc.
 - b. **Geophysical Data:** Data acquired from any kind of geophysical survey conducted from air, surface or along boreholes, which aid to mineral exploration.
 - c. **Baseline Data:** Geological and Surface Geochemical data that serve as the basis or foundation for further study that is necessary for mineral exploration
- In case of unavailability of **year of publishing**, year of uploading can be filled in mm/yyyy format.
- **Geographical Extent** should contain at least 3 coordinates, to be given in real world co-ordinate system so that a closed polygon can be formed. Special care must be taken while entering the coordinate values as the spatial search and the availability of the data is dependent on this polygon. If no **Geographical Extent** is entered, spatial search results will be dependent on the bounding co-ordinates of the entered toposheets.
- Data files collected for each **Project Type** is further subdivided into four data types. More than one file can be uploaded for each data types by clicking on the + (Plus) sign adjacent to **Data Type**.
 - a. **Reports & Documents:** Any textual report documents that is saved in .doc, .docx, .pdf, .txt formats.
 - b. **Georeferenced Maps & Images:** Any georeferenced image file that is saved in .JPG, .PCN, .TIFF, .GeoTIFF, .BMP, .SHP, .GDB, .DWG, .DGN formats. Data files that requires additional accessory files to access can be uploaded as .ZIP or .RAR format.
 - c. **Non-Georeferenced Images:** Any non-georeferenced image file that is saved in .JPG, .PCN, .TIFF, .BMP, .DWG, .DGN formats. Data files that requires additional accessory files to access can be uploaded as .ZIP or .RAR format.
 - d. **Tabular & Other Data:** Any tabular (.Excel, .CSV etc) or non-tabular data (3D data, video clips) that is related to the project. Data files that requires additional accessory files to access can be uploaded as .ZIP or .RAR format.
- If **Geophysical Data** is selected as **Project Type** in general metadata, user will be asked to input **Geophysical Primary Theme, Geophysical Secondary Theme, Instruments** and **Data Status** of the ground geophysical data from the drop down menu. If the proper option is unavailable in the drop down menu, user can key-in the necessary option into the blank box provided beside.
- For each dataset/project data being uploaded, a unique project ID (UPID) will be created by the system after the data is approved by the Data Curator or Administrator. This UPID will be tagged to all the files of the project data and will be the primary identifier of the data in the NGDR system.
- User can anytime check and remove the uploaded files before submission.
- User can **SAVE** anytime and resume uploading later from the saved state.
- Update or deletion of **SUBMITTED** data has to be done through sending request to the administrator by the uploading agency only.

Download

Instructions For Data Uploading

- All the geoscience data including project reports uploaded into NGDR are for open dissemination, free of charge.
- Continuous update of the uploaded geoscience data has to be done periodically.
- Maps of restricted area cannot be distributed without NOC from Survey of India and Ministry of Defense (MoD) and signing of the non-disclosure certificate. So, maps of restricted area cannot be uploaded into NGDR.
- Reports of restricted area cannot be distributed without NOC from Survey of India and Ministry of Defense (MoD) and signing of the non-disclosure certificate. So, maps of restricted area cannot be uploaded into NGDR.
- Sponsored project reports shall neither be displayed in public domain nor be made available in hard/ soft copy.
- Magnetic data in 1:50K scale has to be rounded off to 5 nT for non-restricted areas and 100 nT for restricted areas (as per MOD guidelines).
- Gravity data values should be rounded off to 1 mgal for non-restricted areas and 20 mgal for restricted areas (as per MOD guidelines).
- Airborne spectrometric maps on 1:50K scales with digital data on total count and data having magnetic values should be rounded off to 5 nT for non-restricted areas and 100 nT for restricted areas (as per MOD guidelines).
- Base line geoscience data pertaining to Specialized Thematic Mapping (STM, 1:25K) will be made available in digital format after obtaining clearance from SOI and MOD.
- Marine bathymetric maps with contours of 10m interval between 0-100m depth, 100m contour interval between 100-500m depth and 500m interval beyond 500m depth can be uploaded.
- Marine Surface Sediment distribution maps for areas beyond 200m depth from coastline can be uploaded.
- Marine magnetic anomaly values should be rounded to 10 nT and marine gravity anomaly maps should be rounded to 1 mgal interval.
- Sub-bottom profiles without depiction of depth of sea bed can be shared.

Undertaking For Data Uploading

(This is an undertaking that has to be signed by the data uploader online prior to the submission of the MERT and data upload)

- I undertake that I am a registered user of the NGDR portal on behalf of my organization.
- I undertake that I have the necessary authorization from my Organization to upload the data/report.
- I also undertake that the data being me does not violate any existing data policy of the Govt. of India, or its agencies like Survey of India or Ministry of Defense or any state Government.
- I undertake that none of the data belongs to the Restricted or prohibited data category as defined by Survey of India or Ministry of Defense.
- I understand that while the ownership of the data lies with my organization, the end user is free to use the data as per the data license policy and data dissemination policies stated in the NGDR portal.

I have read the Instructions

Agree