FLI DSS

PCCF, ODISHA

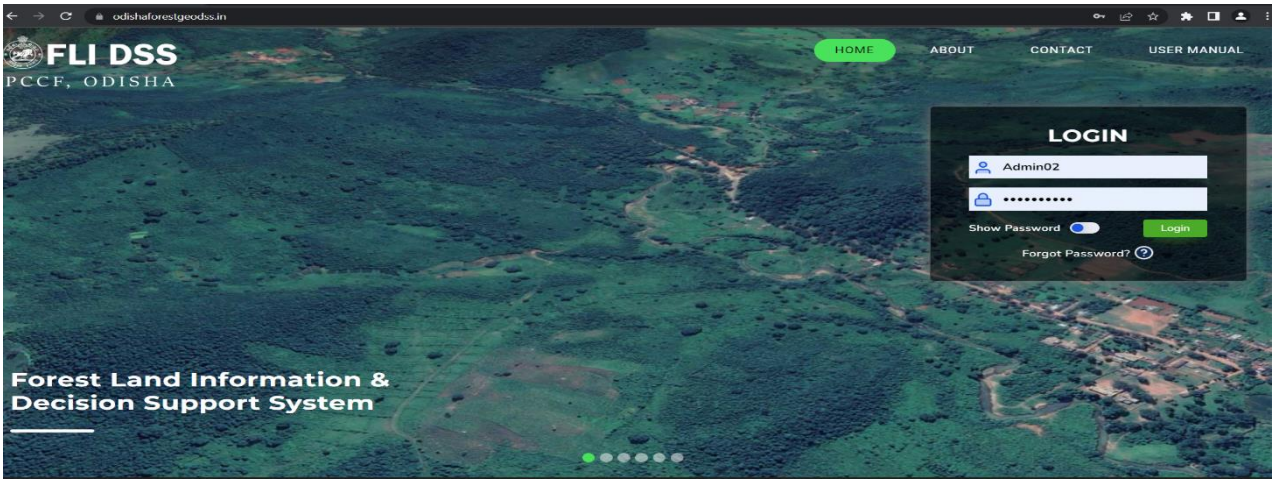
Forest Land Information & Decision Support System

USER MANUAL

User Login page:

1.Open the web browser (chrome, Firefox... Etc) and enter the URL -**odishaforestgeodss.in**, it will open the FLI DSS web portal as shown in below picture (**Picture -1.0).**

2.In Home page of the web-portal there is a login form, a register user can login to the web-portal by their respective credential (user ID and Password), if the credential valid then the user will redirect into dashboard.

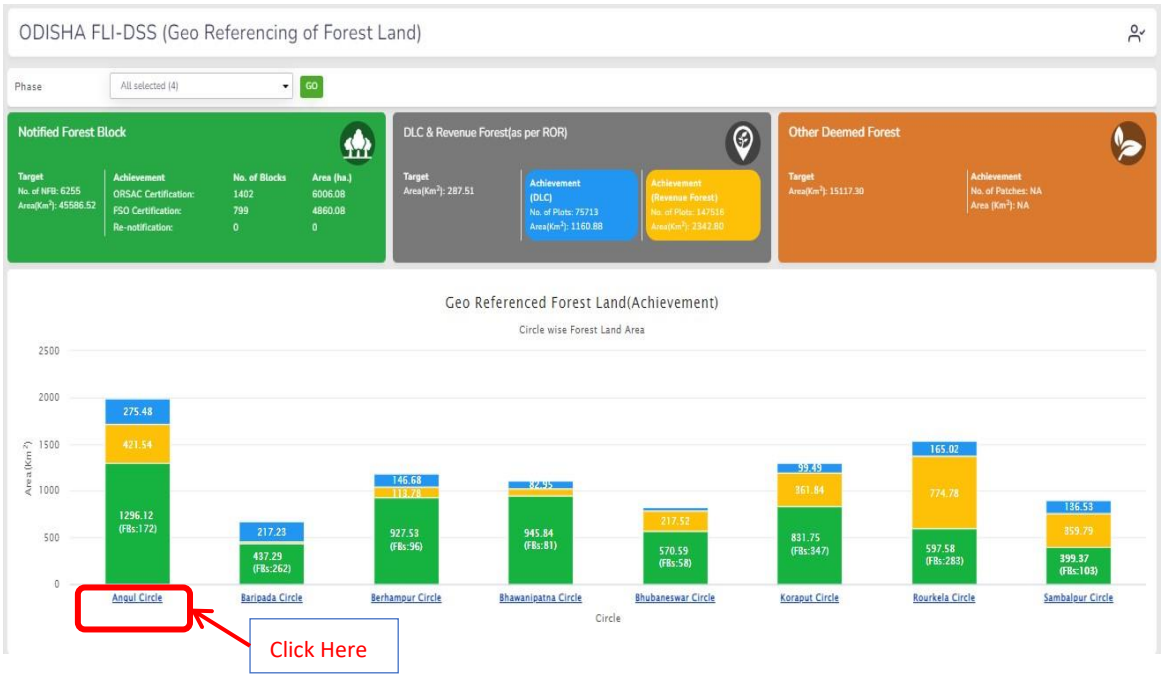


(Picture -1.0)

Dashboard:

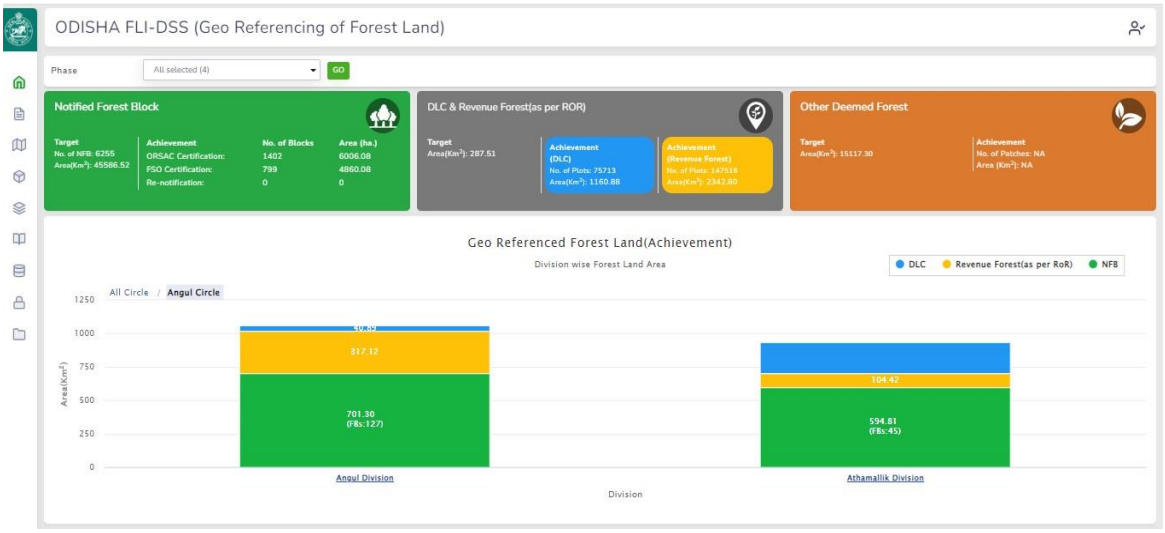
After successfully login the user will redirect to the Dashboard as shown in the picture below **(Picture -2.0)**.

Dashboard contain Phase wise Target vs Achievement data in the form of charts. The charts consist of a Circle wise Target vs Achievement data of Notified Forest Block, Recorded Forest Area, and Other Deemed Forest. By Clicking on any Circle, you will get division wise Target vs Achievement data and like that by clicking on division you will get range wise figure.



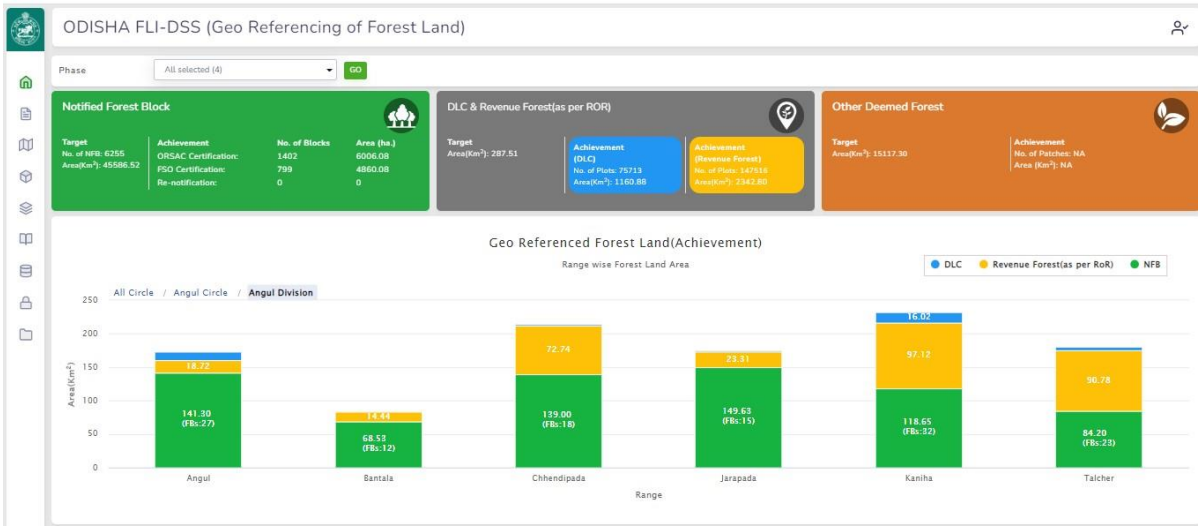
(Picture -2.0)

Click on a ***circle (as shown in picture - 2.0)*** then the chart drill down to respective division of that circle and it will show all division wise data ***(as shown in picture - 2.1)***



(Picture -2.1)

Click on a ***division (as shown in picture - 2.1) then*** the chart drill down to respective range of that division and it will show all range wise data ***(as shown in picture - 2.2)***

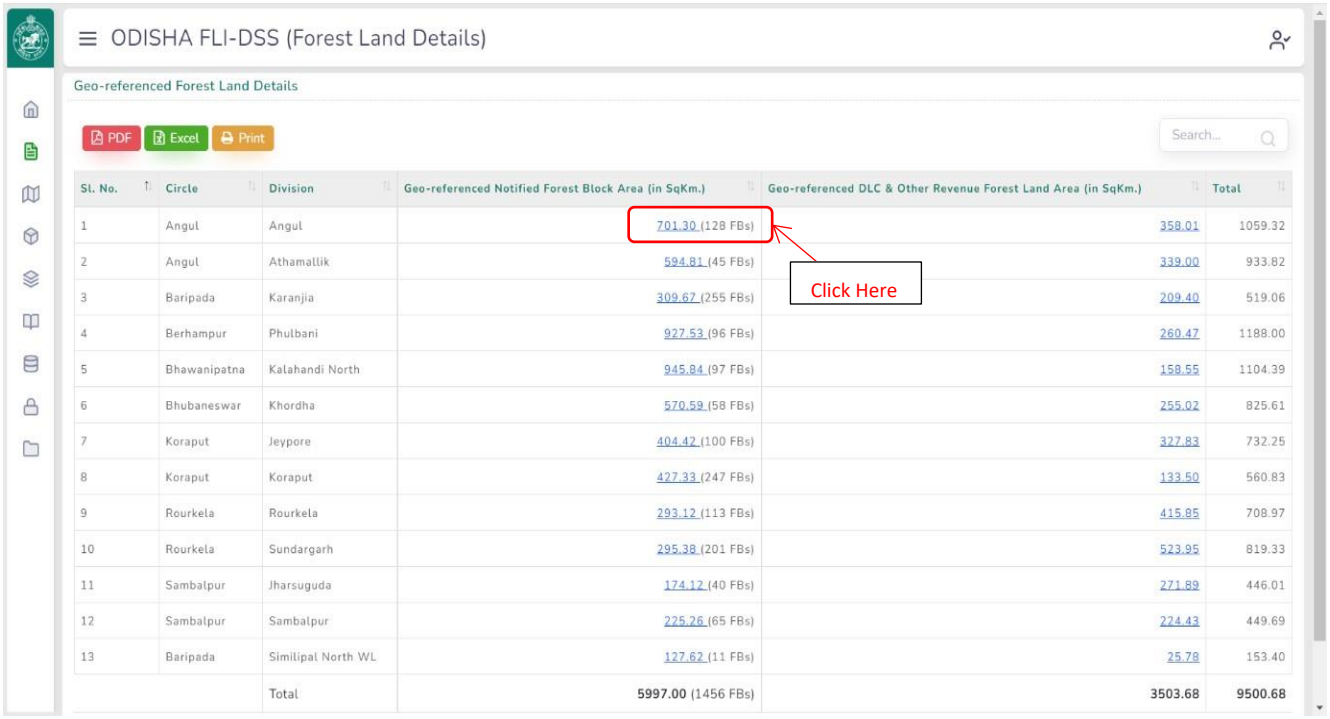


(Picture -2.2)

Forest Land Details:

Forest land details contain the division wise *Notified Forest Block Area* and also you will get the individual forest block wise Notified area, FRJVC report, FSO certified Map, Re notification Proposal reports.

Tahsil, Village, plot wise ***DLC Revenue Forest Land Area*** are also available along with the certified DLC and Revenue copy.



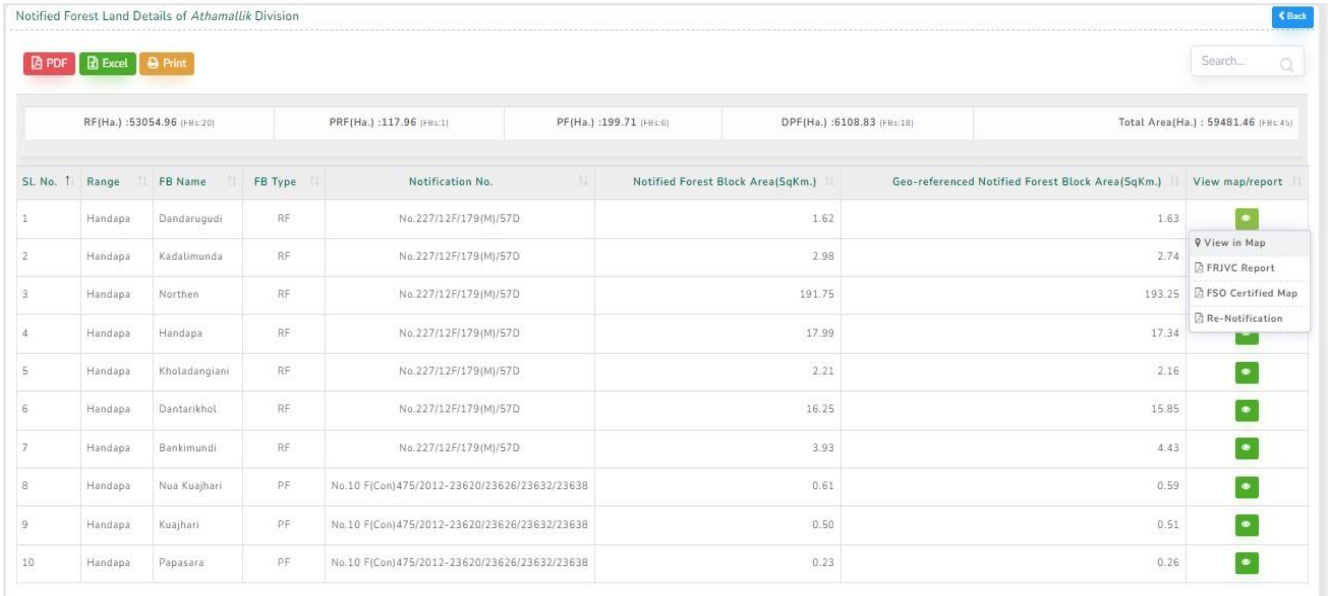
Sl. No.	Circle	Division	Geo-referenced Notified Forest Block Area (in SqKm.)	Geo-referenced DLC & Other Revenue Forest Land Area (in SqKm.)	Total
1	Angul	Angul	701.30 (128 FBs)	358.01	1059.32
2	Angul	Athamallik	594.81 (45 FBs)	339.00	933.82
3	Baripada	Karanjia	309.67 (255 FBs)	209.40	519.06
4	Berhampur	Phulbani	927.53 (96 FBs)	260.47	1188.00
5	Bhawanipatna	Kalahandi North	945.84 (97 FBs)	158.55	1104.39
6	Bhubaneswar	Khordha	570.59 (58 FBs)	255.02	825.61
7	Koraput	Jeypore	404.42 (100 FBs)	327.83	732.25
8	Koraput	Koraput	427.33 (247 FBs)	133.50	560.83
9	Rourkela	Rourkela	293.12 (113 FBs)	415.85	708.97
10	Rourkela	Sundargarh	295.38 (201 FBs)	523.95	819.33
11	Sambalpur	Jharsuguda	174.12 (40 FBs)	271.89	446.01
12	Sambalpur	Sambalpur	225.26 (65 FBs)	224.43	449.69
13	Baripada	Similipal North WL	127.62 (11 FBs)	25.78	153.40
		Total	5997.00 (1456 FBs)	3503.68	9500.68

(Picture -3.0)

When you are going to Forest land details page you will get division wise total Notified Forest Area as well as DLC Revenue Land Area of all divisions as shown in above picture **(Picture -3.0).**

Click on a Notified Area of division as shown in above picture **(Picture -3.0),** you will get individual forest block wise data as shown in picture **(Picture -3.1).** Click on eye icon present in right side of table, a menu will be open containing (*View in Map, FRJVC, FSO Certified reports and Re-notification proposal reports)*, by clicking on individual reports you can view that reports in new tab.

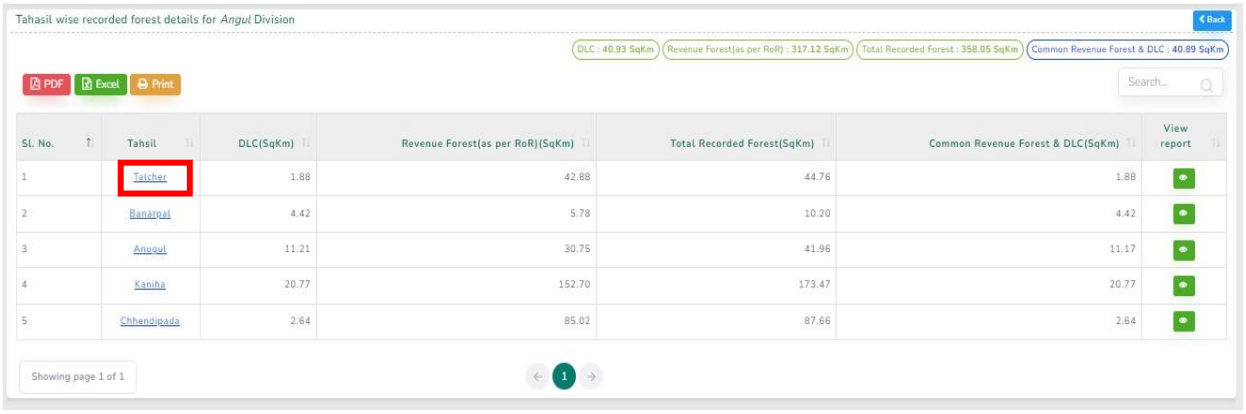
By clicking on back button, you will be redirect to back page.



Sl. No.	Range	FB Name	FB Type	Notification No.	Notified Forest Block Area(SqKm.)	Geo-referenced Notified Forest Block Area(SqKm.)	View map/report
1	Handapa	Dandarugudi	RF	No.227/12F/179(M)/57D	1.62	1.63	
2	Handapa	Kadalimunda	RF	No.227/12F/179(M)/57D	2.98	2.74	
3	Handapa	Northen	RF	No.227/12F/179(M)/57D	191.75	193.25	
4	Handapa	Handapa	RF	No.227/12F/179(M)/57D	17.99	17.34	
5	Handapa	Kholadangiani	RF	No.227/12F/179(M)/57D	2.21	2.16	
6	Handapa	Dantarikhol	RF	No.227/12F/179(M)/57D	16.25	15.85	
7	Handapa	Bankimundi	RF	No.227/12F/179(M)/57D	3.93	4.43	
8	Handapa	Nua Kuajhari	PF	No.10 F(Con)475/2012-23620/23626/23632/23638	0.61	0.59	
9	Handapa	Kuajhari	PF	No.10 F(Con)475/2012-23620/23626/23632/23638	0.50	0.51	
10	Handapa	Papasara	PF	No.10 F(Con)475/2012-23620/23626/23632/23638	0.23	0.26	

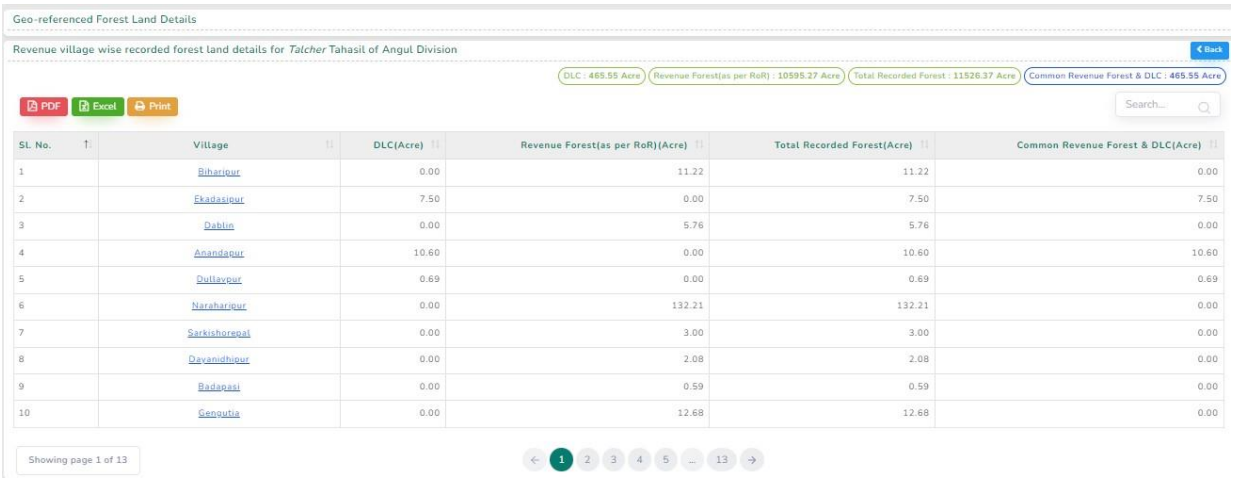
(Picture -3.1)

Click on a DLC and Revenue area of division as shown in above picture **(Picture -3.0),** you will get data of Tahsil wise DLC & Revenue Forest area, Total Recorded Forest Area, Common Revenue and DLC Forest Area data as shown in picture **(Picture -3.2).** Click on eye icon present in right side of table, a menu will be open containing (*Revenue and DLC certified reports)*, by clicking on individual reports you can view that reports in new tab.



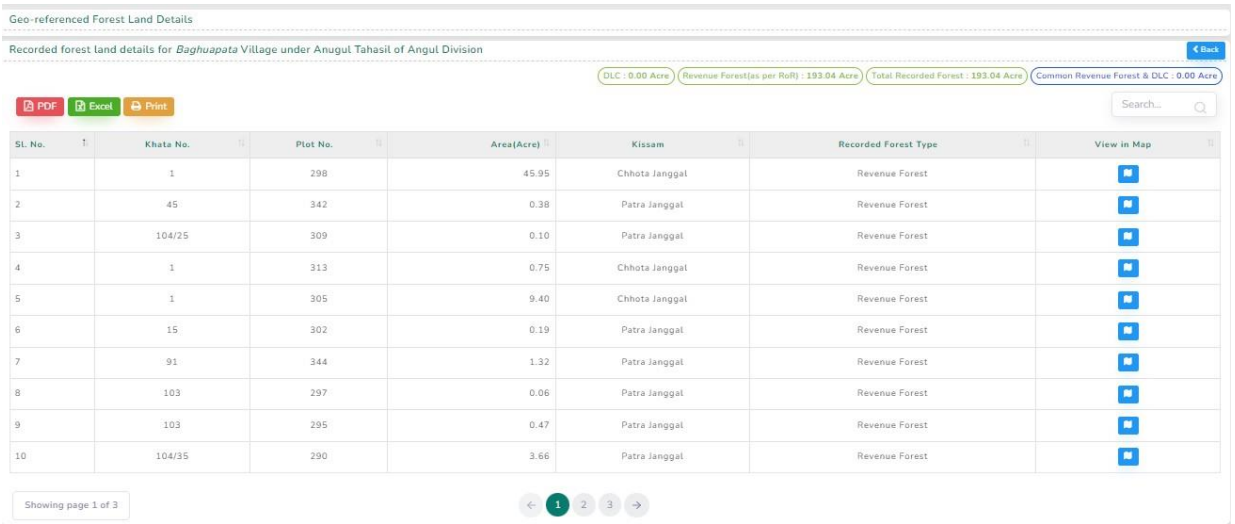
(Picture -3.2)

Click on a Tahsil as shown in above picture **(Picture -3.2),** you will get village wise DLC & Revenue Forest area, Total Recorded Forest Area, Common Revenue and DLC Forest Area data as shown in picture**(Picture -3.3).**



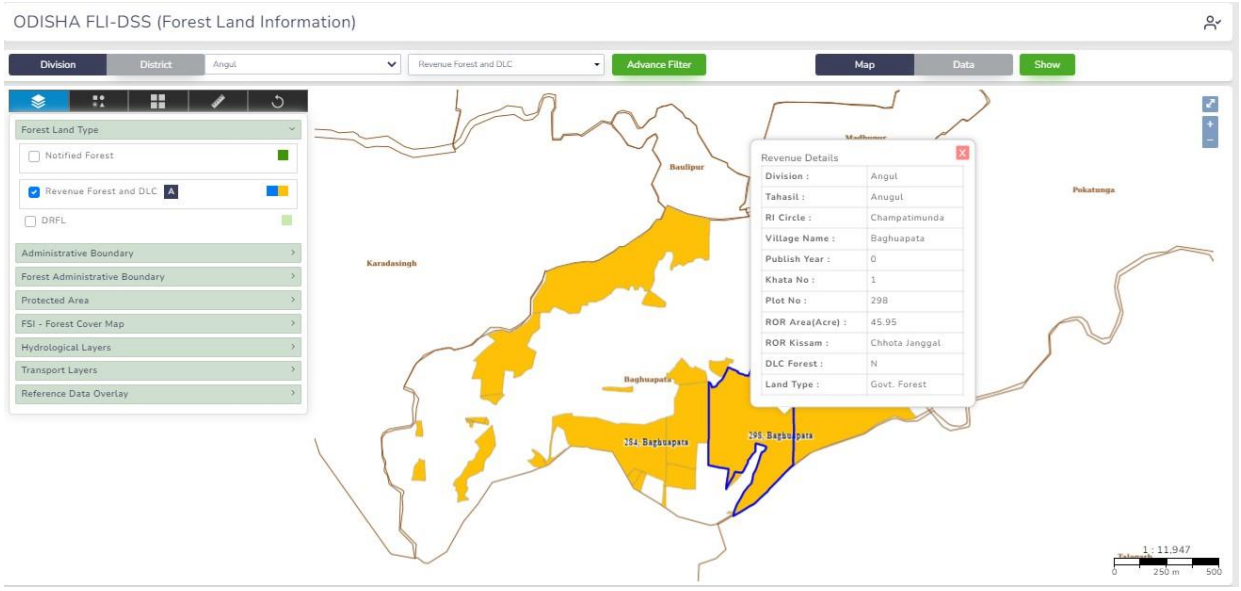
(Picture -3.3)

Click on a Tahsil as shown in above picture **(Picture -3.3),** you will get plot wise DLC & Revenue Forest area, Total Recorded Forest Area, Common Revenue and DLC Forest Area data as shown in picture**(Picture -3.4).**

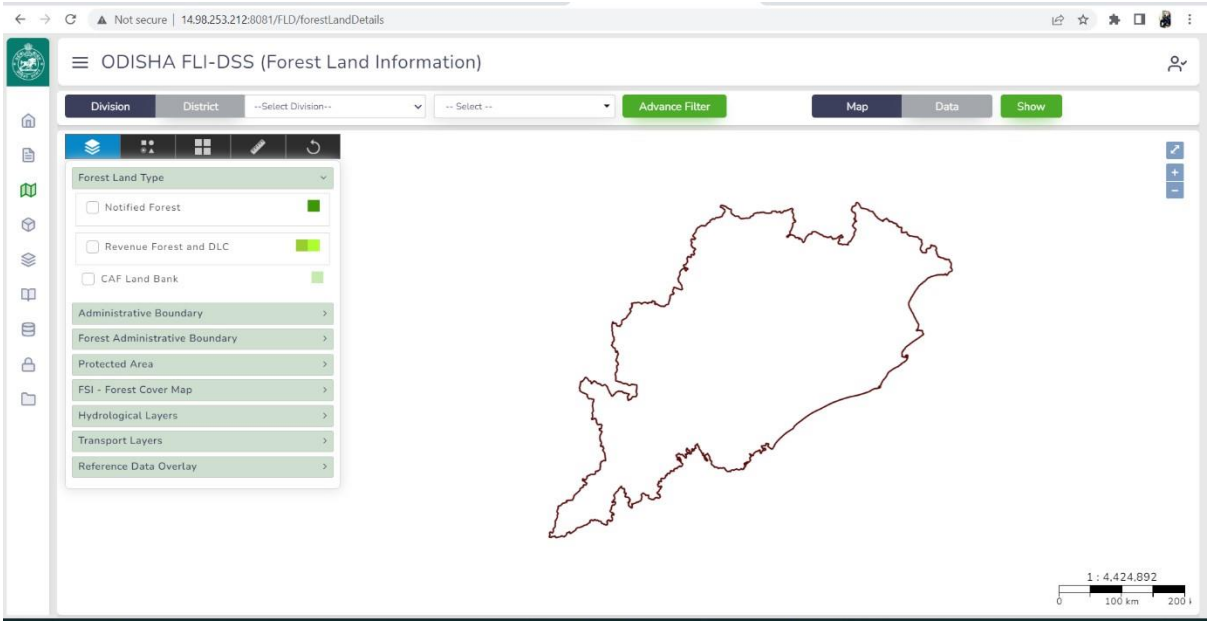


(Picture -3.4)

There will be a Map View icon as shown in picture **(Picture -3.4)**, by clicking on that you can view that plot information in map as shown in picture **(Picture -3.5)** and by clicking on that plot you can view the plot information in a popup window.



Forest Land Information:



1.Interactive Map UI based platform for generation of relevant Forest Information through Query/ Reporting services, GUI based geoprocessing of Forest data layers along with the Map data sources such as Soi Topographic maps, Forest Cover Maps, High Resolution Satellite Imagery.

2. Map Viewer

- Selection of specific forest/ overlay data layers from each groups as per the analysis/ reporting requirements to display the selected data layers on map viewer
- User interaction with the Map Viewer through Map tools for retrieval of Forest Information
- Display of attribute information of selected map features in Information Window

- Facilitates toggling between the Map Viewer and Data Viewer to interplay between the map view and data view of the same data set.

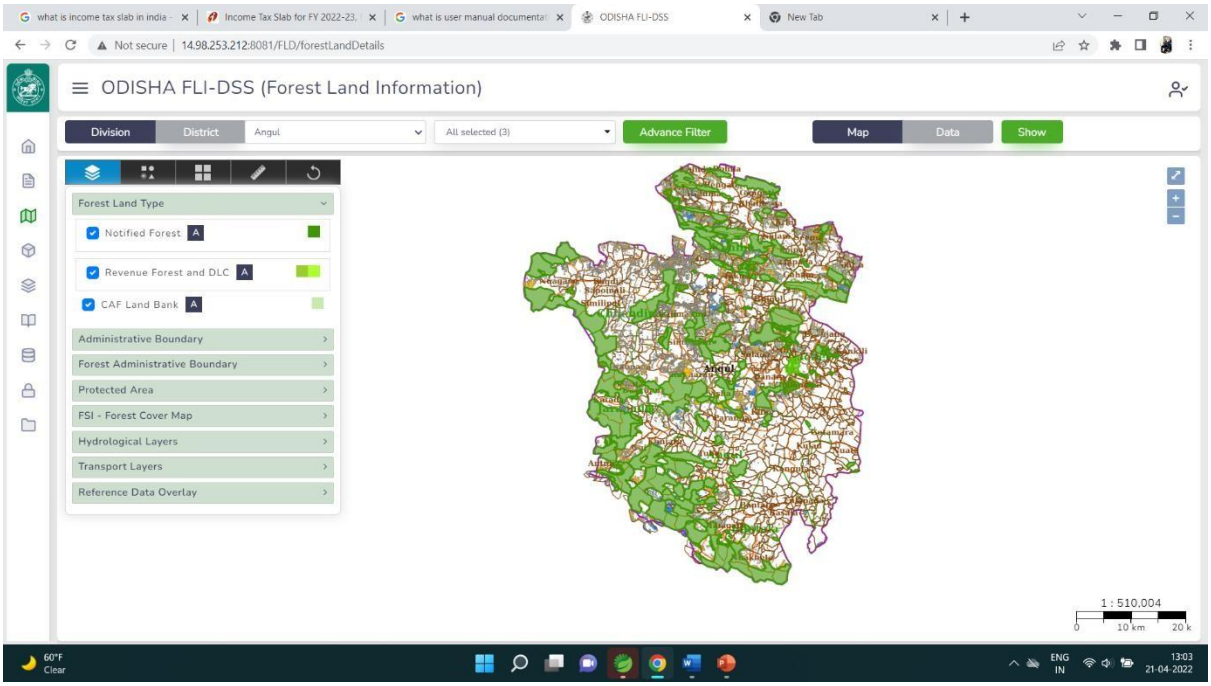
3.Map Tools

- Extent/ Pan/ Zoom/ Navigation: Facilitate manoeuvring of map layers displayed on the Map Viewer
- Base Map Tool: facilitates selection of Base Map
- Measurement: interactive measurement of distance and area on map
- Information Window: Display of Attribute Information of the selected Map layer

4.FLI module generates forest land information through geo processing of the Forest land database and related forest data sources.

5.ToC represents the Forest land/ Overlay data layers in multiple logical groups such as

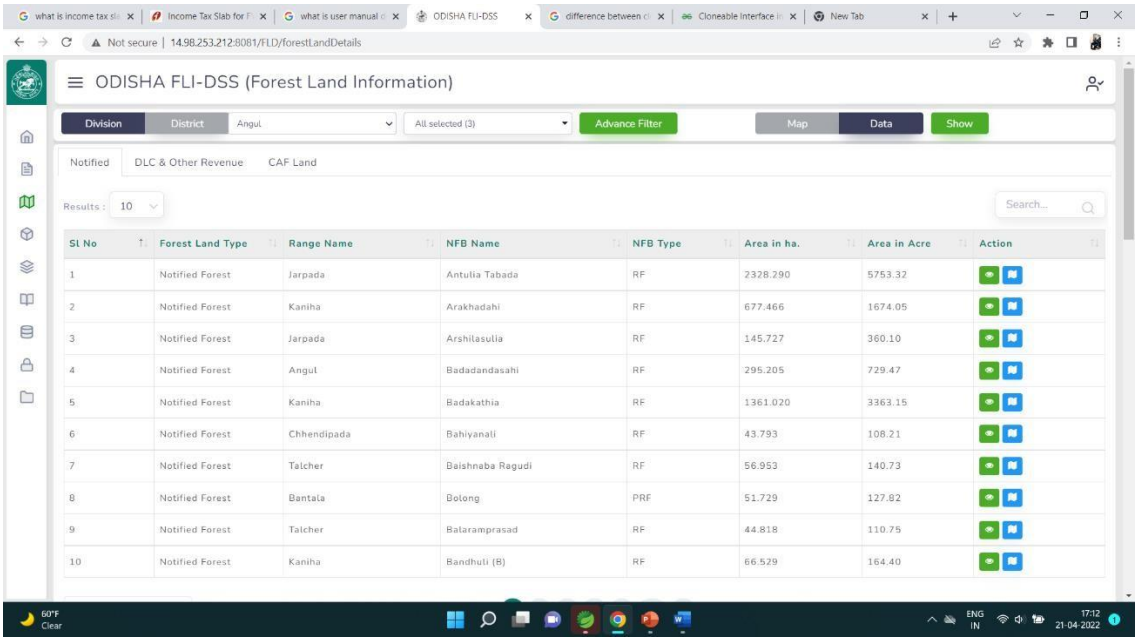
- Forest land type (*NFB/ DLC & Other Revenue Forest/ Deemed Forest/ Diverted Forest/ CAF Forest*)
- Revenue Admin boundary (*District, Tehsil, Block, Village*)
- Forest Admin boundary (*Division, Range*)
- Protected Area boundaries (Sanctuary, National Park, ESZ, WL corridor, Consv.Rsv)
- FSI Forest Cover Maps layers
- Hydrology layers (Rivers, Reservoirs)
- Transport data layers (Road, Railway)



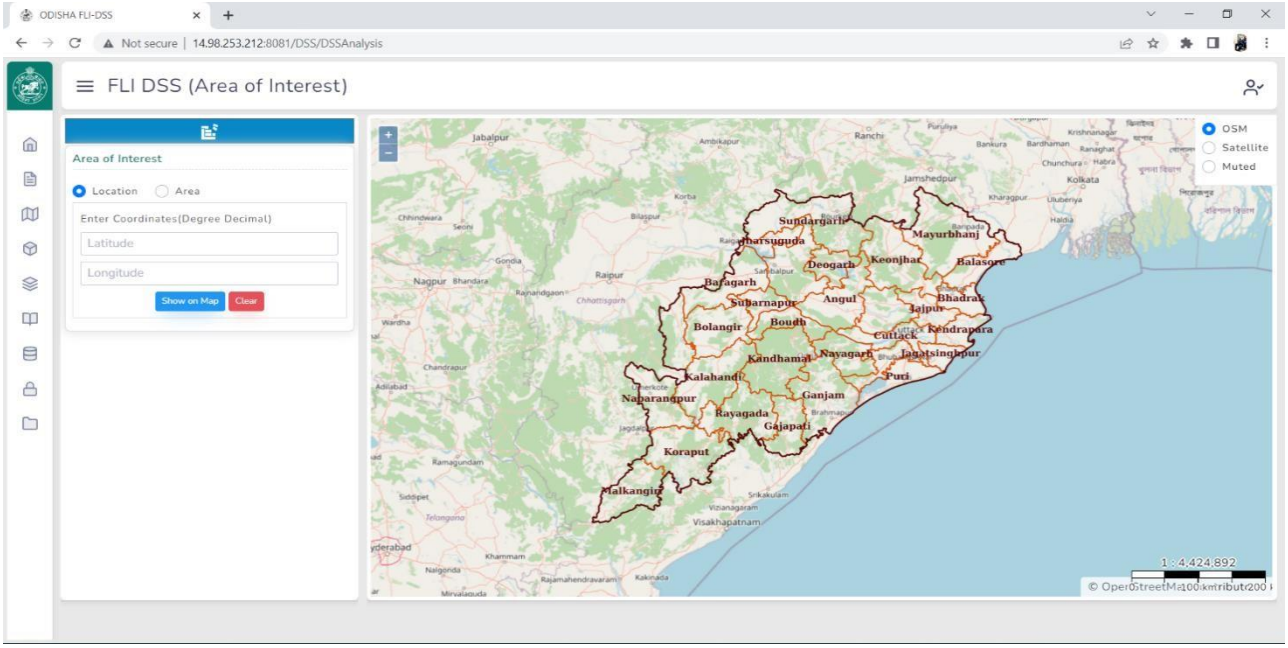
6. As you can see the above picture of layers, we have selected some persist layers of Angul Division.

7.There are also two option you get one is **MAP** and another is **DATA** as button. As shown on above screen its upon map.

8.Below screen is about the Data, when you click on data button to view the selected division or district data accordingly.



AOI (Area of Interest):



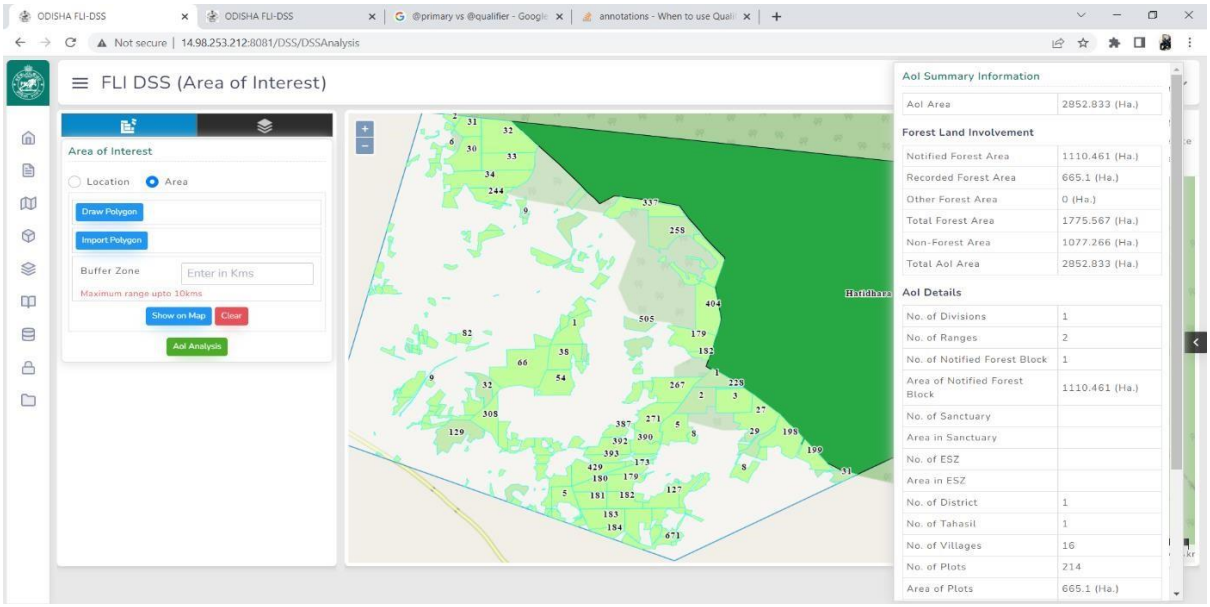
1.On select of POI (Point of Interest)

We can point any area on map, it will show coordinates of that point and gives all information (like: District, Division, Tehsil and Village) of that pointed area while click on POI analysis button and we can print the shown data as format. And also, we can put coordinates (lat and long) Location: If we know coordinates of any location then write manually or we can point any area on map. After click POI analysis it is showing coordinates of that point and gives all information (like: District, Division, Tehsil and Village) of that pointed area and printed that data also.

2.On select of POI (Point of Interest)

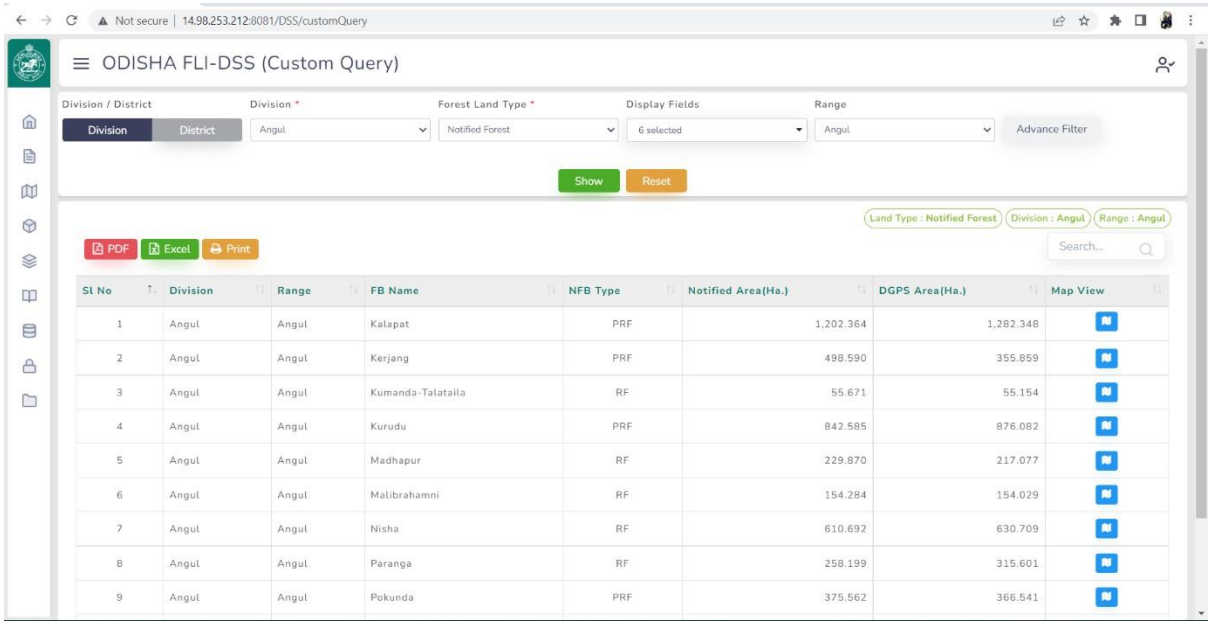
- *Draw Polygon*- On click this button we can draw area on map and get all information of that drawn area.
- *Import Polygon*- Here we can import existing KML file(csv) or excel file and get information.
- *Buffer Zone*-we get all information around that drawn area(polygon) or over a point max area of buffer zone is 10km.

Shown in below screen:



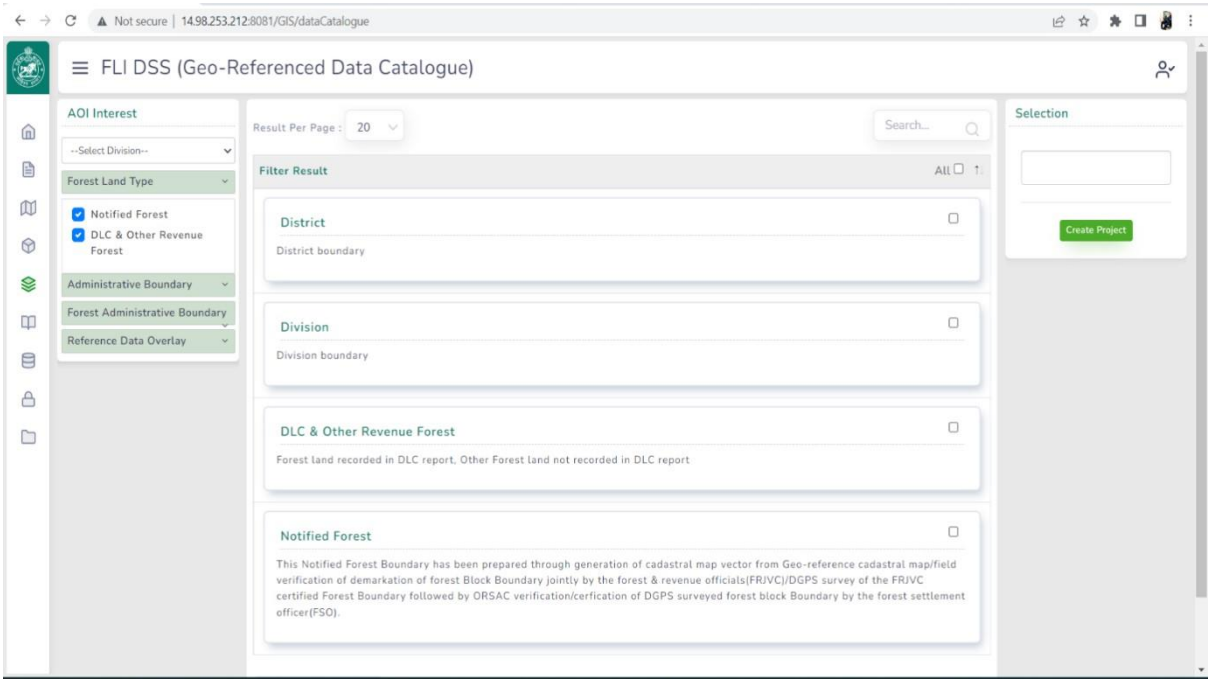
Custom Query:

GUI based Query Builder to facilitate input of query definition through Interactive UI and generation of attribute-based query results in Tables formats. Here we can select fields and get all information about the fields and gets information of Division or District, Range or Tehsil, NFB or Village based on selected fields.
It is same as like as Forest Land Information and print them.



Geo-Referenced Data Catalogue

- Data catalogue facilitates data preview & selection of forest data layer, attributes w.r.t user requirements
- Logical grouping and organization of Forest data layers in TOC
- Category of Forest Lands
- Revenue Administrative Boundaries
- Forest Administrative Boundaries
- Reference Data Overlay (SOI toposheet, FSI FC, HRSI etc.)
- Selection of Data layers from the TOC
- Map view of selected data layers along with layer description.
- Selection & bundling of Forest data layers/ Overlay data layers and creation of Project for further reference and data analysis



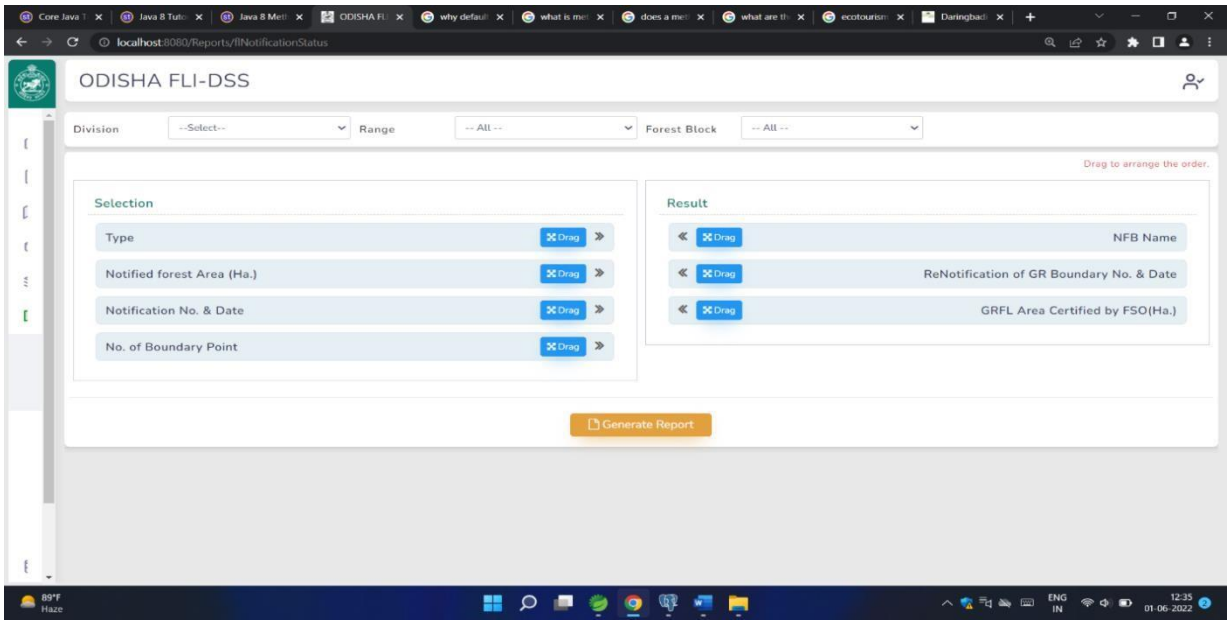
REPORTS:

In report section the given features are to generate Report according to custom column,

It has 3 sub modules: --

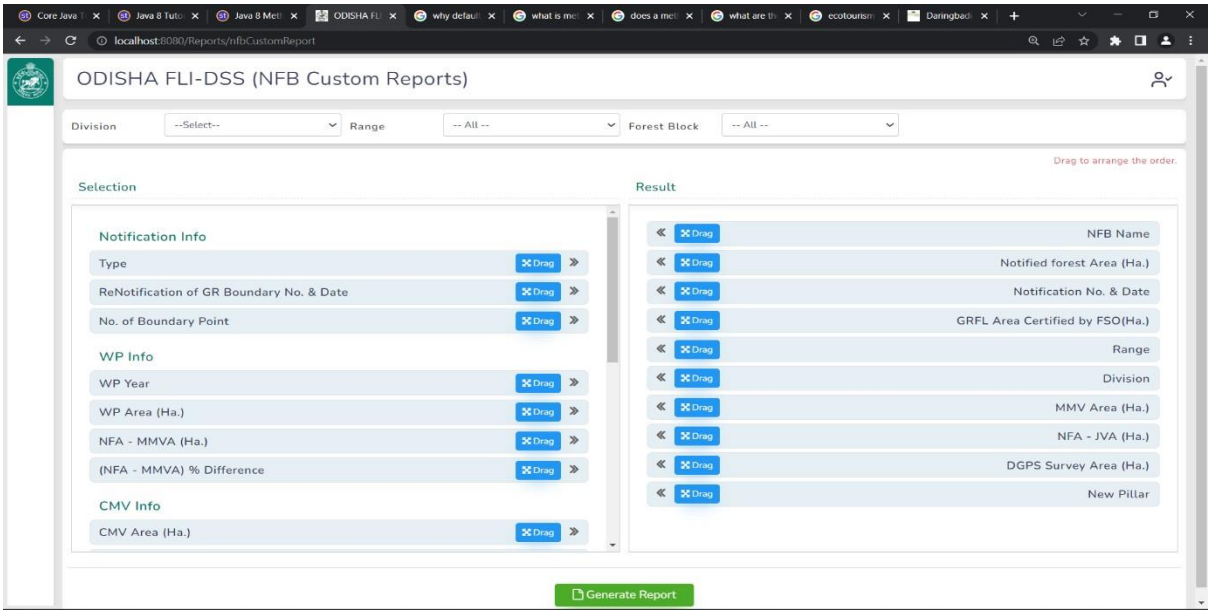
- Forest Land Notification Status
- NFB Custom Report
- Notification Reports

1. Forest Land Notification Status

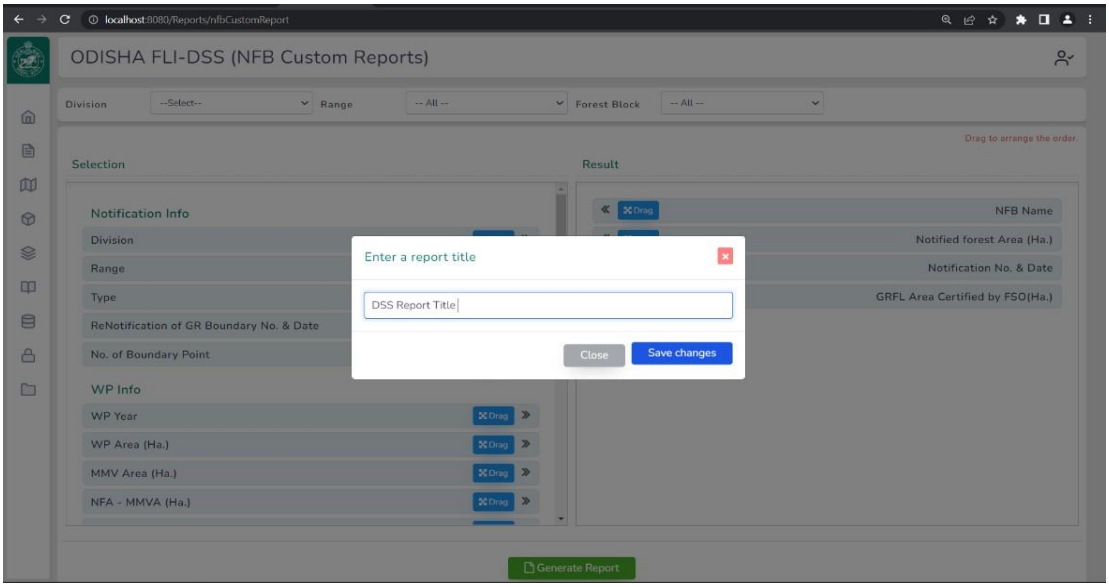


- By selecting the drop down according to division, range and respective forest block, after you can go for the selection of custom report column (basically you can organise them by dragging into the right-side result box).
- After organising the column, you are ready to generate the Report, so to click **generate Report button** to let the report generate.

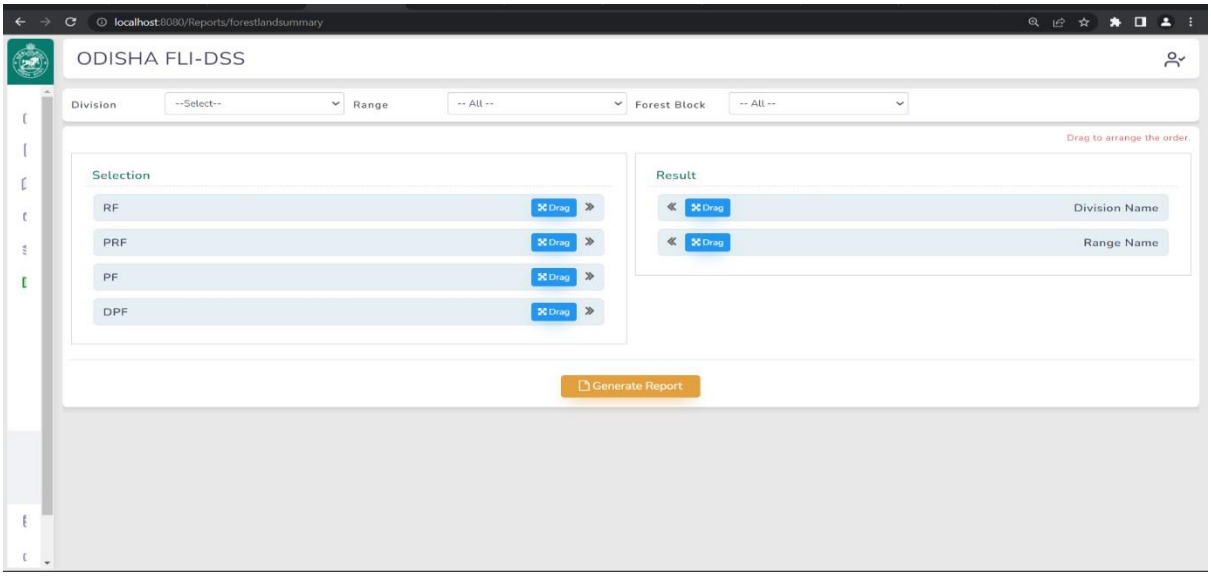
2. NFB Custom Report



- As we mentioned in above report likewise, you can organise the report column accordingly.
- Here you can generate the report by clicking the button generate report after clicking it a pop up will open then you can mention the appropriate custom report name. (As the inserted below picture).



3.Forest Land Type Summary



- So likewise, you can generate this report accordingly as following the above reports.

Progress Monitoring: 8

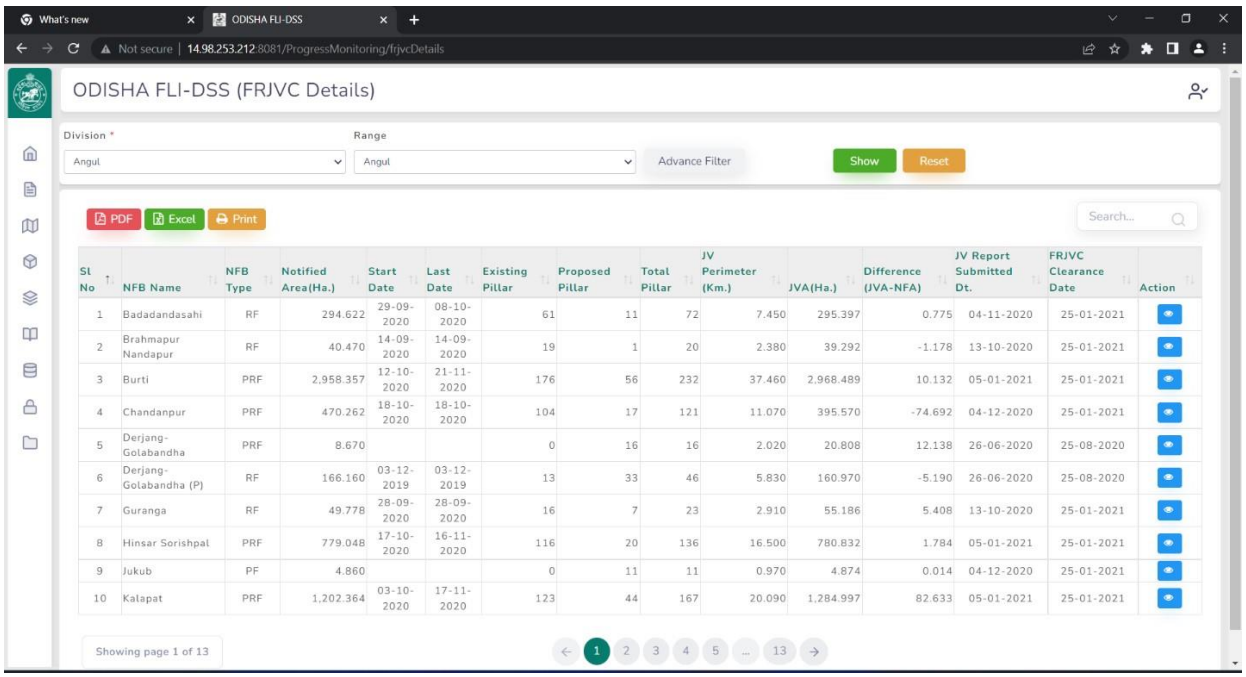
The Progress Monitoring module contains the information about Joint Verification and DGPS Survey details contains the FRJVC and FSO certified pillar details along with co-ordinate, Pillar Type, Photographs and other survey information of that pillars.

It has two parts

- FRJVC Details
- DGPS Details

FRJVC Details

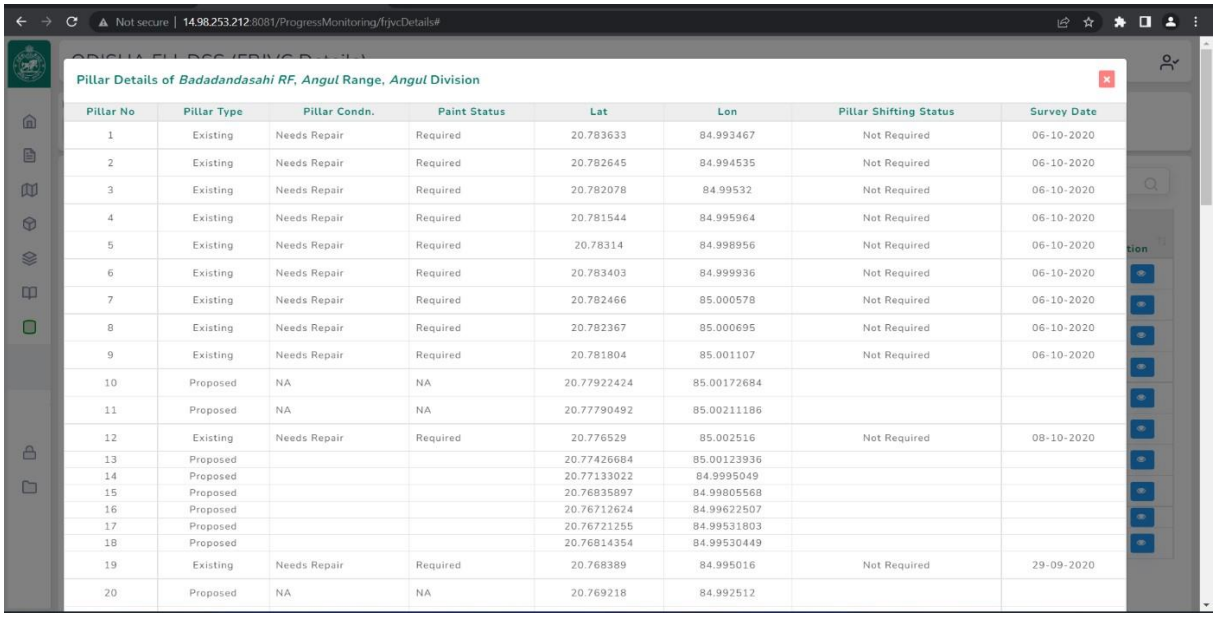
FRJVC means Forest Revenue Join Verification Committee



- In the table at the last column which is action column at there a eye button is present so why you click on that button you will see 3 options by which you can manipulate the record of data.

- Those 3 options are
    - View pillar details
    - Map view
    - FRJVC Report **View pillar details:**

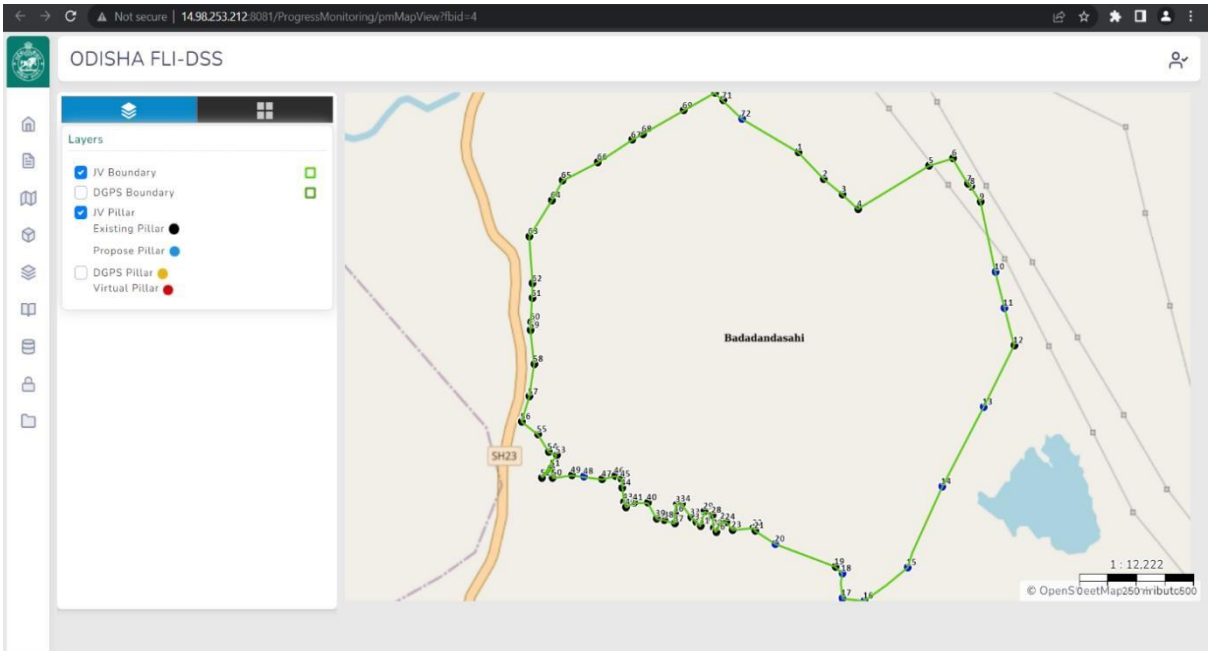
- When you click on this option a new page will open, where you can see a table of data.



Pillar No	Pillar Type	Pillar Condn.	Paint Status	Lat	Lon	Pillar Shifting Status	Survey Date
1	Existing	Needs Repair	Required	20.783633	84.993467	Not Required	06-10-2020
2	Existing	Needs Repair	Required	20.782645	84.994535	Not Required	06-10-2020
3	Existing	Needs Repair	Required	20.782078	84.99532	Not Required	06-10-2020
4	Existing	Needs Repair	Required	20.781544	84.995964	Not Required	06-10-2020
5	Existing	Needs Repair	Required	20.78314	84.998956	Not Required	06-10-2020
6	Existing	Needs Repair	Required	20.783403	84.999936	Not Required	06-10-2020
7	Existing	Needs Repair	Required	20.782466	85.000578	Not Required	06-10-2020
8	Existing	Needs Repair	Required	20.782367	85.000695	Not Required	06-10-2020
9	Existing	Needs Repair	Required	20.781804	85.001107	Not Required	06-10-2020
10	Proposed	NA	NA	20.77922424	85.00172684		
11	Proposed	NA	NA	20.77790492	85.00211186		
12	Existing	Needs Repair	Required	20.776529	85.002516	Not Required	08-10-2020
13	Proposed			20.77426684	85.00123936		
14	Proposed			20.77133022	84.9995049		
15	Proposed			20.76835897	84.99805568		
16	Proposed			20.76712624	84.99622507		
17	Proposed			20.76721255	84.99531803		
18	Proposed			20.76814354	84.99530449		
19	Existing	Needs Repair	Required	20.768389	84.995016	Not Required	29-09-2020
20	Proposed	NA	NA	20.769218	84.992512		

Map view:

- Onclick of this option you will redirect to a page, where you will find the map which consist of pillar and boundary.
- There you can the layer according to the given options on the left slid.



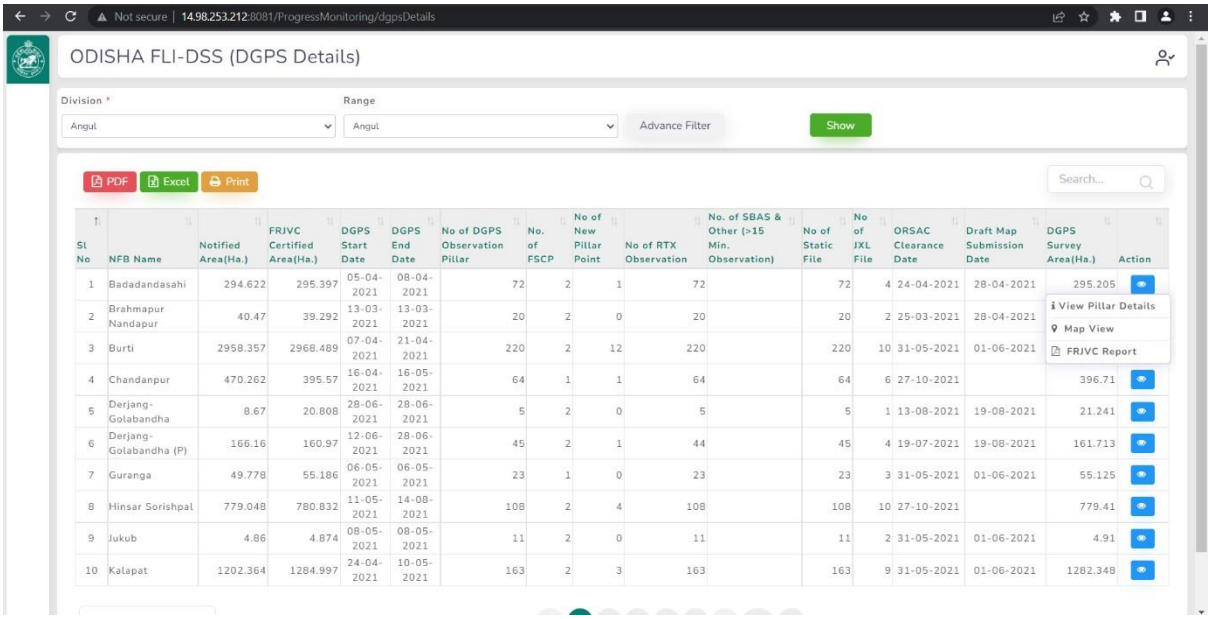
FRJVC Report

- Basically, when you go for this option, you will find the related PDF document.

DGPS details: --

- Here you will find DGPS related NFB name, Area, FRJVC certified area, ORSAC clearance date etc. information based on select Division or District and Range or Tehsil.
- In action, we get Pillar details and Map view of that selected Area.

- Also, we can download or print that information.
- If we do not select any fields then it shows all total information of Default Division.

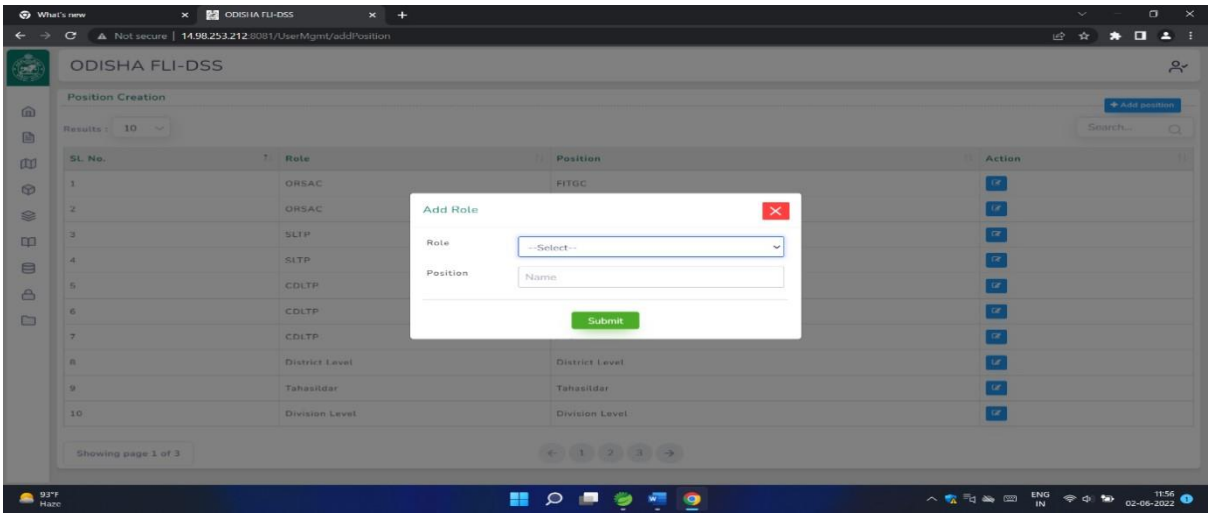


Sl No	NFB Name	Notified Area(Ha.)	FRJVC Certified Area(Ha.)	DGPS Start Date	DGPS End Date	No of DGPS Observation Pillar	No. of FSCP	No of New Pillar Point	No of RTX Observation	No. of SBAS & Other (>15 Min. Observation)	No of Static File	No of JXL File	ORSAC Clearance Date	Draft Map Submission Date	DGPS Survey Area(Ha.)	Action
1	Badadandasahi	294.622	295.397	05-04-2021	08-04-2021	72	2	1	72		72	4	24-04-2021	28-04-2021	295.205	
2	Brahmapur Nandapur	40.47	39.292	13-03-2021	13-03-2021	20	2	0	20		20	2	25-03-2021	28-04-2021		
3	Burti	2958.357	2968.489	07-04-2021	21-04-2021	220	2	12	220		220	10	31-05-2021	01-06-2021		
4	Chandanpur	470.262	395.57	16-04-2021	16-05-2021	64	1	1	64		64	6	27-10-2021		396.71	
5	Derjang-Golabandha	8.67	20.808	28-06-2021	28-06-2021	5	2	0	5		5	1	13-08-2021	19-08-2021	21.241	
6	Derjang-Golabandha (P)	166.16	160.97	12-06-2021	28-06-2021	45	2	1	44		45	4	19-07-2021	19-08-2021	161.713	
7	Guranga	49.778	55.186	06-05-2021	06-05-2021	23	1	0	23		23	3	31-05-2021	01-06-2021	55.125	
8	Hinsar Sorishpal	779.048	780.832	11-05-2021	14-08-2021	108	2	4	108		108	10	27-10-2021		779.41	
9	Jukub	4.86	4.874	08-05-2021	08-05-2021	11	2	0	11		11	2	31-05-2021	01-06-2021	4.91	
10	Kalapat	1202.364	1284.997	24-04-2021	10-05-2021	163	2	3	163		163	9	31-05-2021	01-06-2021	1282.348	

- **Portal Administration: --**
- It has 7 sub module such as
  - Position Creation
  - Role Creation
  - User Creation
  - Global Link
  - Primary Link
  - Set Role and Permission
  - Set User wise position

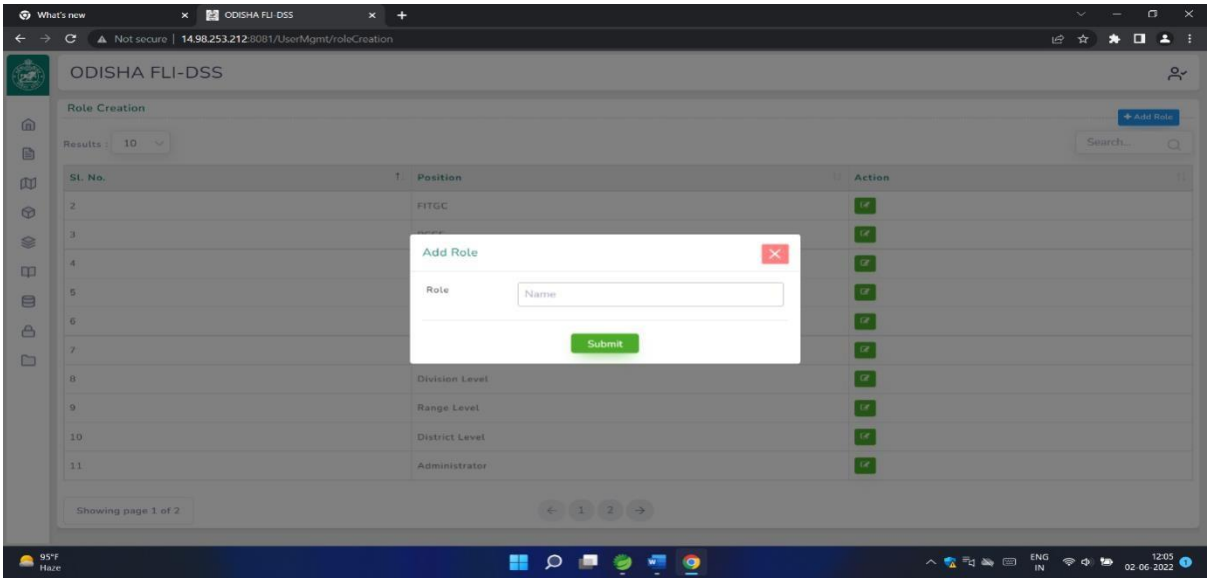
Position Creation:

- By this option you can create a position of a user by clicking the add position button on the right top then it will open a pop up for add and also you can edit the role and position accordingly by given edit button.



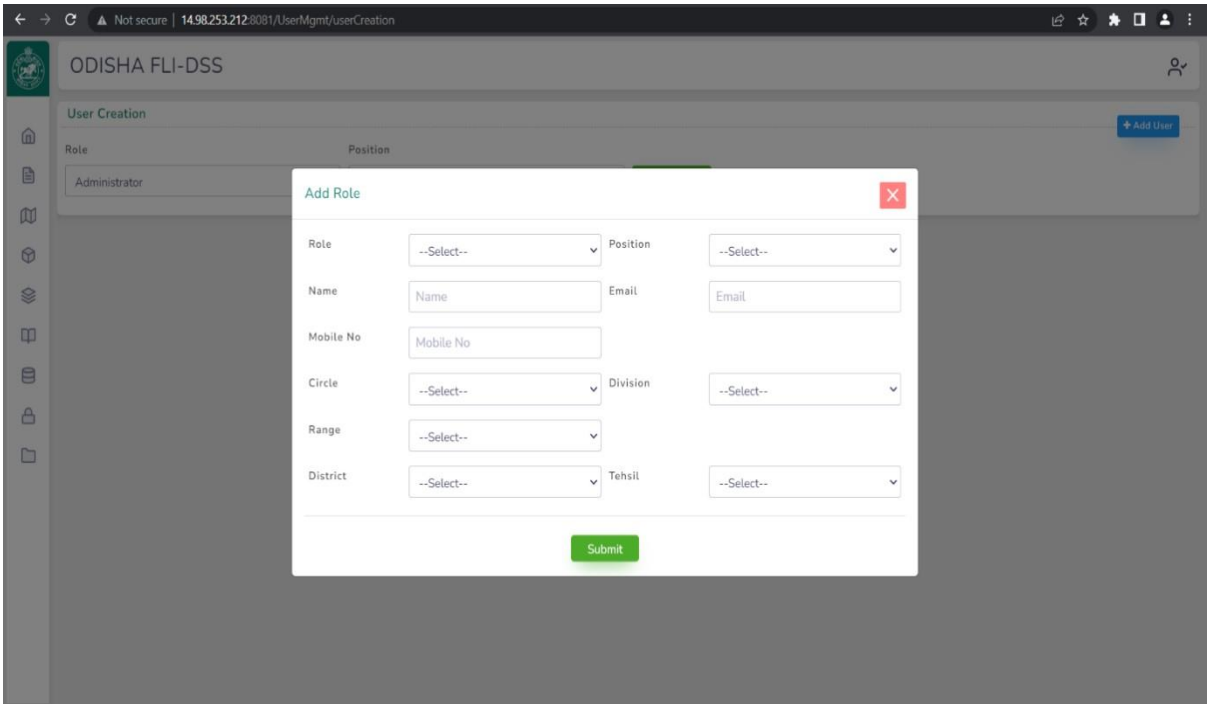
Role Creation:

- In this option you can add Role of a user by clicking the ***add Role*** button on the right top then it will open a pop up for add and you can edit the role accordingly by given edit button.

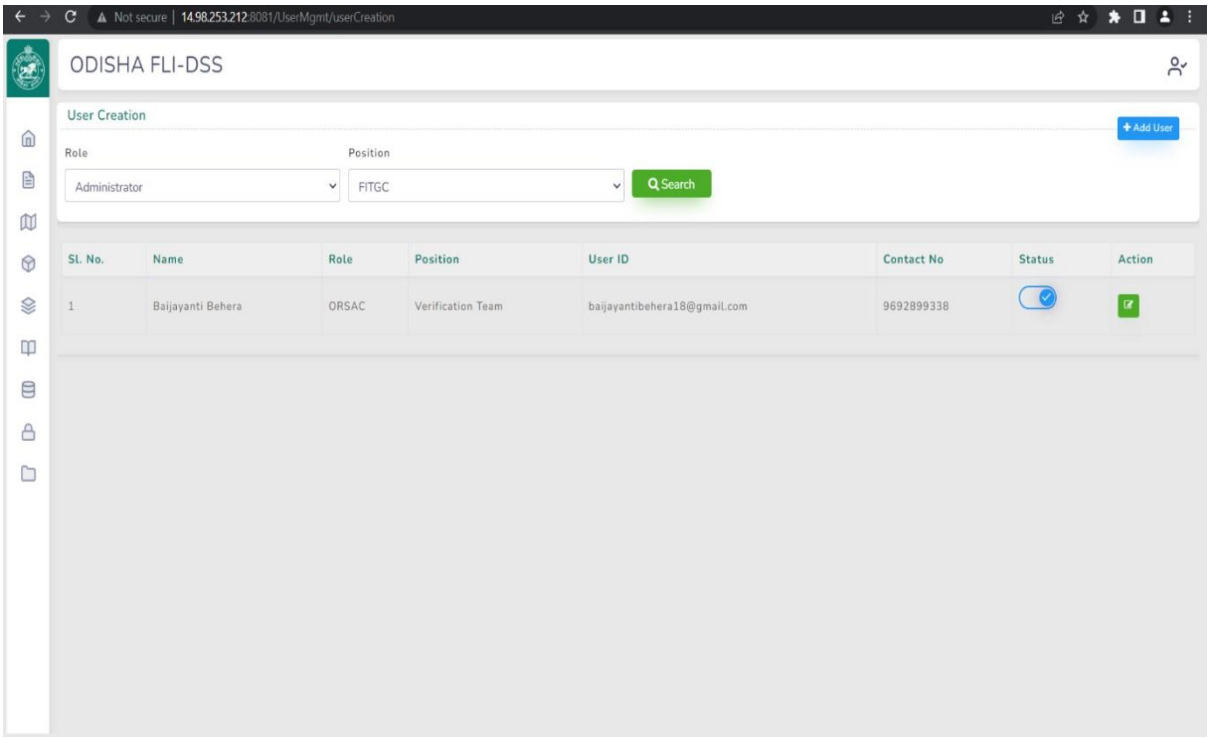


User Creation:

- Here you can create a User according to their role and position and etc, by clicking the ***add user*** button on the right top it will open a pop up as shown in below then you can fill the form then hit the submit button.

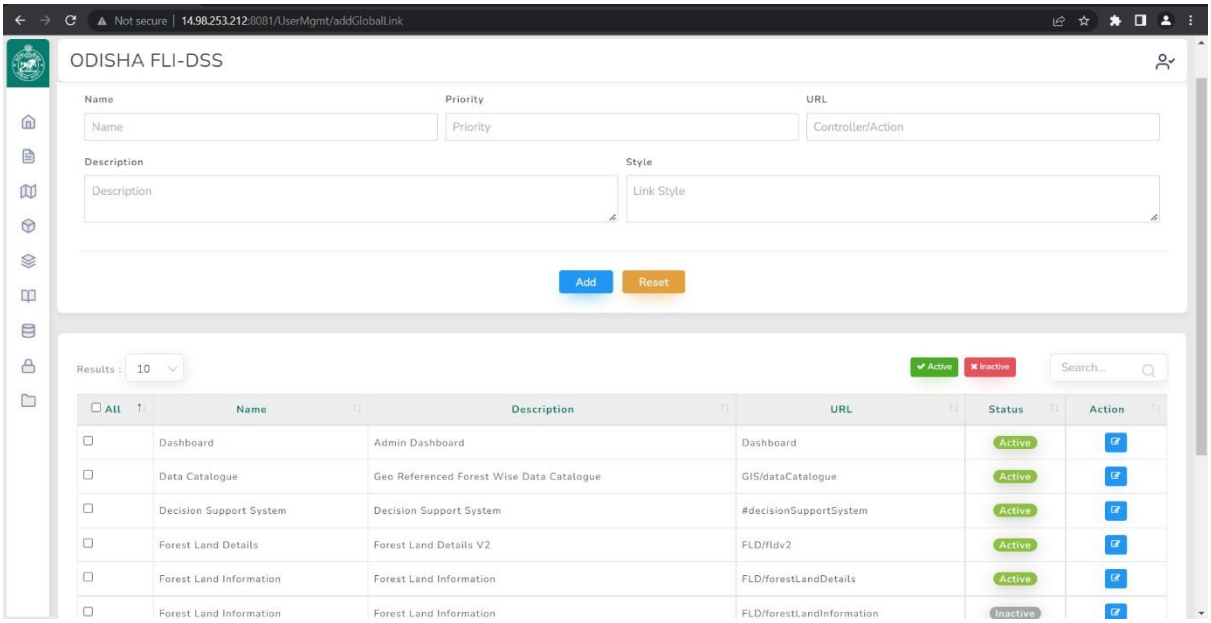


- Also, you can search the user by their role and position for activate and deactivate the use for need and you can edit the user by clicking the edit button as shown in below.



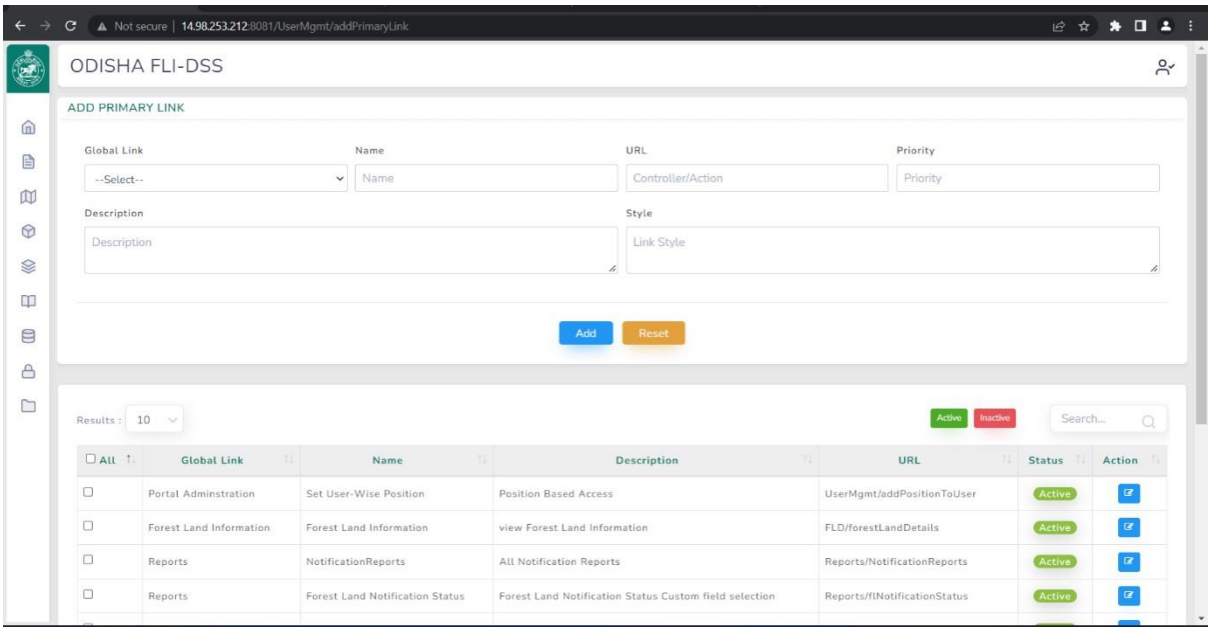
Global Link:

- You can add global link by providing all the requirement in the form.
- You can Edit it and update it by given ***edit action*** button and you can active and inactive it.



Primary Link:

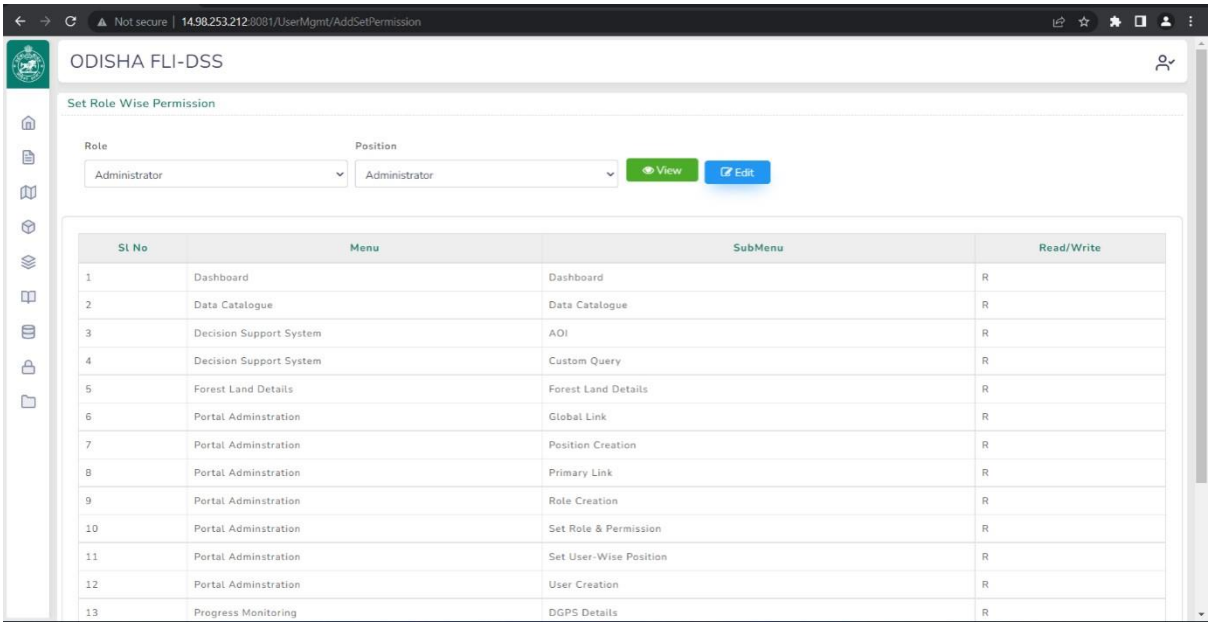
- Like Global link You can add Primary link by providing all the requirement in the form.
- You can Edit it and update it by given ***edit action*** button and you can active and inactive it.



Set Role and Permission:

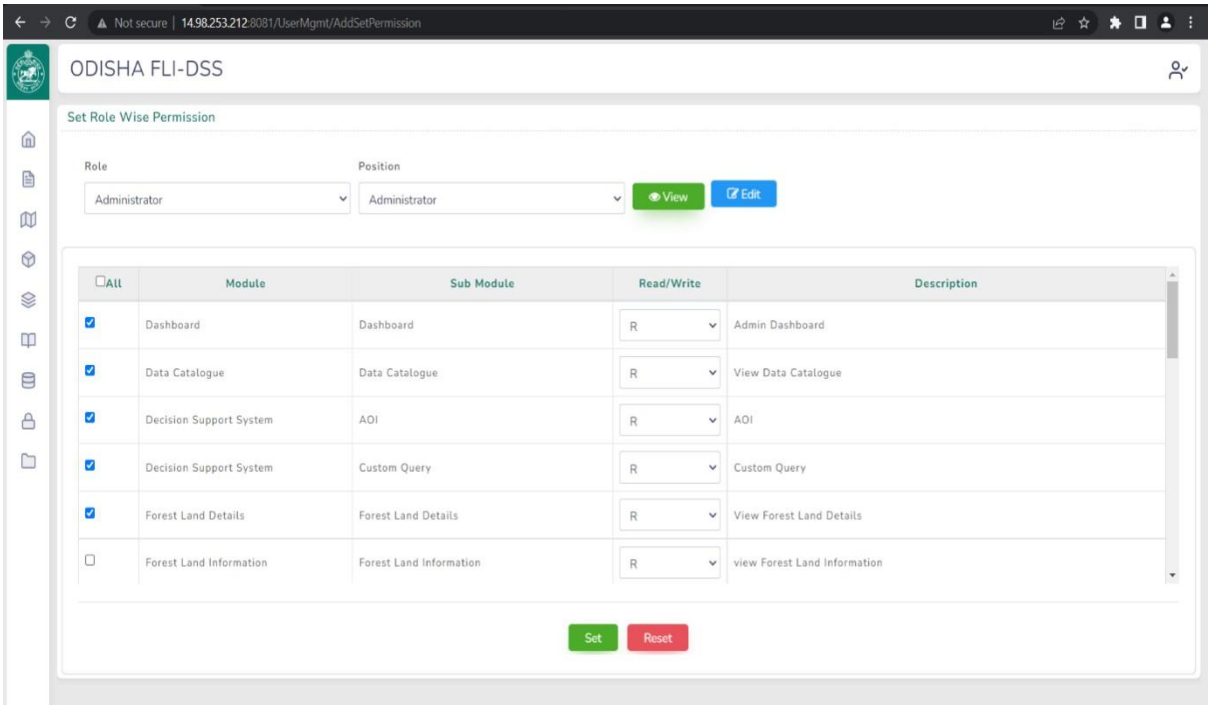
Step-1

- You can give role wise permission to the user where they have the access level in the application by configuring.
- You need to search them by role and position wise then it will show a list of link name as shown below



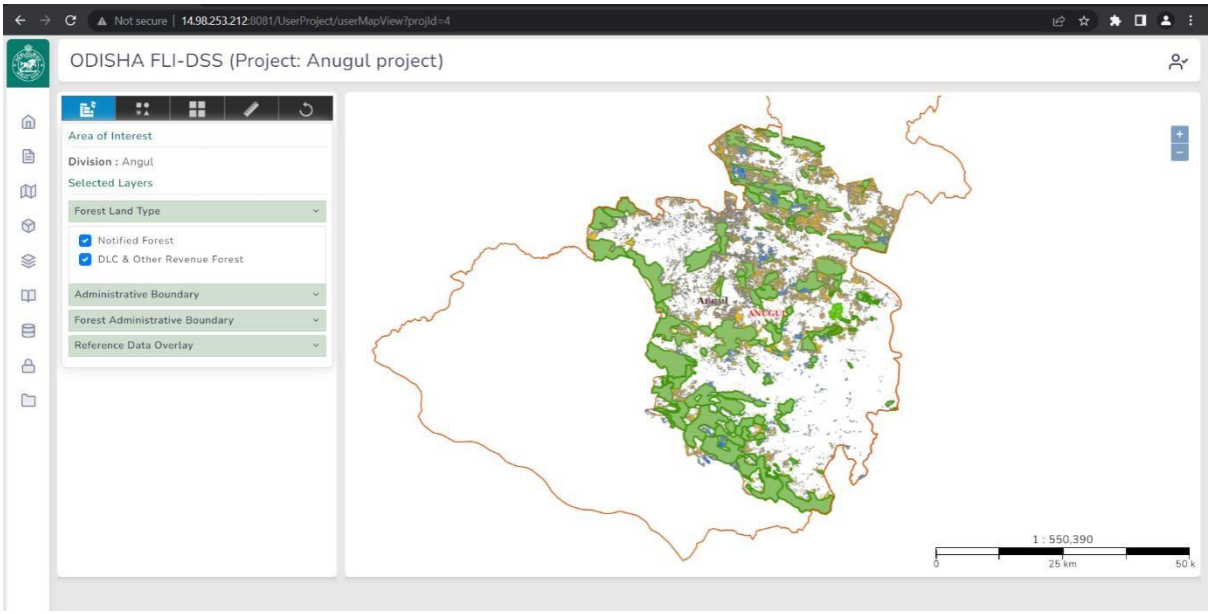
Step-2

- Then you can edit those by clicking the edit button then you will redirect into another page for edit as shown below



My project:

- It is the part of the data catalogue module.
- In data catalogue you simply create a project by taking different kind of layers.so that project reflect here means you can verify or can see you own made project here.
- For example, we are taking Angul project.


Not secure | 14.98.253.212:8081/UserProject/userMapView?projId=4
ODISHA FLI-DSS (Project: Anugul project)
Area of Interest
Division : Angul
Selected Layers
Forest Land Type
Notified Forest
DLC & Other Revenue Forest
Administrative Boundary
Forest Administrative Boundary
Reference Data Overlay
Angul
ANGUL
1 : 550,390
0
25 km
50 k

Thank You!!