



Workshop on "GIS – The tool for Decision Making" at Nuapada District, Orissa


NUAPADA District, one of the most backward district of Orissa is comprising of 5 blocks and 109 GPs and 663 Villages in KBK region. The district is spread over an area of 3407.5 km². The district is the first KBK District to develop and implement WEB-GIS and GIS Based Microlevel Planning for Nuapada. The GIS Division of NIC Orissa State Unit along with the initiation of District Administration and cooperation from DIO Nuapada has developed this project hosted at the district website <http://nuapada.nic.in>.



WEB GIS FOR NUAPADA





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About the District

NUAPADA District at present extending from 20 degree North Latitude to 21.5 degree North Latitude and 82.20 degree East Longitude to 82.40 degree East Longitude spreading over the Geographical Area of 3407.5 square km. There are 05 blocks, 109 Gps, 02 Urban bodies, 663 villages, 06 police stations and 02 Assembly Constituencies. Its boundaries extend in the North, West & South to Raipur district of Chatisgarh and in the East to Bargarh, Balangir and South-East to Kalahandi districts of Orissa. The population of the district is 530524 & the population density is 138 as per 2001 Census. The administrative Head Quarter is located at Nuapada.





GIS

Geographical Information System (GIS) has evolved as a powerful analytical tool for capturing, storing, manipulating, integrating, organizing, analyzing and displaying geographic data and capable of combining both spatial data (Map) with non-spatial data (Tabular data) for planning, decision making, implementation and monitoring of various plans / schemes at different level.

Browse Map

A user interface where the users would be able to browse the map layer/layers. Here, the user will get 3 options: 1. **Browse Layer**, 2. **Identify** and 3. **Map mode**. One can activate/display the layers in the **Browse Map mode** only. To Browse a layer, one has to activate the Browse Map mode, then select the layers from the table followed by "**Refresh Map**" option so that the selected layer will display on the Map frame. For more

Query Map

From the main menu, an user can directly go to the **Query Based Map** generation table by selecting **Query Map** option. One can generate **village wise maps** applying conditions. User has to select the parameters as per her/his interest from the Menu and has to provide the conditions and values. Map title can be provided by the user. Then click on **Draw map** option followed by **View Map** option. The Map will display satisfying the query.

Thematic Map

A flexible user interface where the users would select the theme or parameter to generate a dynamic thematic/choropleth map at Block Level. Automatically, the field is divided in to 5 ranges basing on its Minimum & Maximum value. A user can change the range values as per her/his requirement. Map title can be provided by the user. Then click on **Submit** option followed by **View Map** option. The Block Map will display satisfying the range

Map Gallery

- Base Map
- Soil Map
- Basin Map
- Catchment Map
- Sub-Catchment Map
- Watershed Map
- Forest Map
- Block Map
- Tahasil Map
- Administrative Map
- Police Station Map
- Assembly Map
- Population Map
- Dependency Ratio Map
- Literacy Map
- Road Map
- **Other Maps**



On Chair(from Right) Shri Amarendra Rath, ADM, Nuapada, Shri Bishnu Prasad Panda, Collector & DM, Nuapada, Dr. Manjurani Routray, TD, Head GIS Div, NIC, Bhubaneswar and Sub-Collector, Nuapada

In order to familiarize the features to the officers of the District Administration the inauguration –cum- training programme on “GIS - A Decision Support System” has been organized at District Collectorate of Nuapada on 22nd and 23rd December 2008.

During the time of inauguration Shri Bishnu Prasad Panda, Collector & DM, Nuapada informed all participants that Geographical Information System has emerged as a powerful analytical tool for capturing, storing, manipulating, integrating, organizing, analyzing and displaying geographical data and capable of integrating both spatial data (map) and non-spatial data for planning.

During the time of presentation, Dr.(Mrs.) M. Routray, Scientist-'E', Head, GIS Division, NIC Bhubaneswar explained the basic concepts and advantages of using GIS in implementing and monitoring of various plan and schemes at different levels and how it is useful for DSS. She also told how to link a digital map with the tabular data using software.

Shri Bijay Kumar Samal, Scientist-"C", GIS Division NIC Bhubaneswar demonstrated different salient features of the application developed for Nuapada District. He also explained how to access and operate WEB-GIS.



During the meeting ADM, Nuapada, Sub-Collector, Nuapada, All Tahasildars, All BDOs, DFO(WL), ACF(WL), RIs, Dist. Statistical Officer, Dist. Planning Officer, DIPRO, CDMO, DAO and other officers of the District have participated in the inauguration.

The inauguration was followed by rigorous training programme for two days on GIS. Three batches have been formed covering all officers along with their Computer Professionals.

The GIS team along with DIO, DEO and DISC Coordinator conducted the training. The training was imparted on both WEB-GIS and GIS desktop application using GIS Software.

Participants were trained on the basic aspects including

- Software Installation
- External data integration
- Database modification /update
- Thematic map generation &
- Query based map and report generation etc.



Shri Amit Kumar Dewangan, DIO, Nuapada actively coordinated and organized the entire programme starting from inauguration to training and make it a success. The effort put in by NIC has been highly appreciated by the Collector and other district officials of Nuapada District. Shri S.K.Panda, SIO also conveyed his best wishes to the entire team.

Amit Kumar Dewangan,
DIO, Nuapada





ନୂଆପଡ଼ା: ଭୌଗଳିକ ତଥ୍ୟ ମିଳିବ ଅନୁଲାଇନ୍ରେ

ନୂଆପଡ଼ା, ୨୬.୧୨.୦୮ (ଇମିସ): ନୂଆପଡ଼ା ଜିଲ୍ଲାର ଭୌଗଳିକ ତଥ୍ୟ ଏଥିର ଅନୁଲାଇନ୍ ରୂପରେ ଯୋଗ୍ୟ ପାରିବ । ନୂଆପଡ଼ା ଜିଲ୍ଲା ପ୍ରଶାସନ ପକ୍ଷରୁ ଏହି ଅନୁଲାଇନ୍ ସେବାକୁ ଉଦ୍ଦେଶ୍ୟକ କରିଛନ୍ତି । ଜିଲ୍ଲାପାଳଙ୍କ ସମ୍ମିତରେ କାର୍ଯ୍ୟକାରୀ କରିବା ପାଇଁ ପ୍ରଶାସନ ପକ୍ଷରୁ ଏକ କର୍ମଶାଳାରେ ଜିଲ୍ଲାପାଳ ଶ୍ରୀ ପଞ୍ଜା କଟ୍ଟିକ୍ୱି ସି. ନୂଆପଡ଼ା ଜିଲ୍ଲାର ଭୌଗଳିକ ତଥ୍ୟ ସହଜରେ ମାଧ୍ୟମରେ ମିଳିବା ସହ ଅଭିଯୋଗ ଶୁଣାଣି ମଧ୍ୟ ହୋଇ ପାରିବ । କର୍ମଶାଳାରେ ଅତିରିକ୍ତ ଜିଲ୍ଲାପାଳ ଅମରେନ୍ଦ୍ର କୁମାର ରଥ, ବି.ଏ.ଏସ୍ ବିଭାଗର ମୁଖ୍ୟ ଡି.ଏ.କୁଞ୍ଜାଶା ଜାଗଡ଼ାୟା, ବି.ଇ.ଇ. କୁମାର ସାମଲ, ଅତିରିକ୍ତ ଚେଫ୍ ଅଫିସର, ବି.ଇ.ଇ. ମଦନ ରାୟ ପଞ୍ଜା ସହ ସମସ୍ତ ଜିଲ୍ଲା ଅଧିକାରୀ, ବି.ଇ.ଇ. ଉପସାହାୟକ ଉପସାହାୟକ ଥିଲେ ।

27/12/2008