



# भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

( पोत परिवहन मंत्रालय, भारत सरकार )

मुख्यालय : ए-13, सेक्टर-1, नौएडा-201 301, (उ.प्र.)

## INLAND WATERWAYS AUTHORITY OF INDIA

(Ministry of Shipping, Govt. of India)

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### CIRCULAR

#### **Sub: Outputs and Outcome for various e-initiatives developed by IWAI**

The undersigned is directed to intimate that e-initiatives of CAR-D, MIRS and NOC are live now and required to be fully implemented.

2. Outputs and Outcome for various e-initiatives developed by IWAI is placed in Annexure – I for your information.
3. In this regard all concerned sections of IWAI, Noida and Regional offices / Sub-Offices of IWAI are requested to feed the requisite data / inputs in the mentioned tools of Annexure-I. Any technical glitches encountered in feeding data / inputs the undersigned or IT Cell of IWAI (phone no. 0120-2549856 and email iwainoi@nic.in) may please be contacted.

This issues with the approval of Competent Authority.

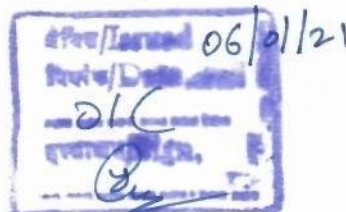
  
(Umesh Kumar Sahai)  
Deputy Secretary (IT and P&C)  
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#### **Copy to (By E-mail):**

1. Chief Engineer (Technical) / Chief Engineer-Project Manager (JMVP) / Director (F&A) / Director (Hy. & Vig.) / Director (Mech.-Marine) / Director (NER) / Director (Traffic) / Director (Technical) / Director (Hydro) / Assistant Secretary (Estt) / Assistant Secretary (A&R) / Assistant Secretary (P&C) / all officers up to Group "B", IWAI, Noida.
2. All Directors / Deputy Directors/OIC of IWAI R.Os / Sub-Offices and all officers up to group "B" officers
3. PCSA – for uploading on IWAI website.
4. Hindi Cell – for Hindi Translation
5. Office copy / Master Copy.

#### **Copy for kind information to (By E-mail):**

PPS/PS/ Sr.P.A/ P.A to Chairperson / Vice-Chairman & Project Director (JMVP)/ Member (Finance) / Member (Technical) / Member (Traffic & Logistics) / Secretary, IWAI, Noida.



**Outputs and Outcome for various e-initiatives developed by IWAI**

Tool Name	Outputs	Expected Outcomes
<b>Car-D</b> <b>Url is</b> <a href="https://iwaicargoportal.nic.in/web/home">https://iwaicargoportal.nic.in/web/home</a>	<ul style="list-style-type: none"> <li>• Y-o-Y and M-o-M % change in Cargo movement across NW</li> <li>• Analysis of cargo movement across NWs, Commodity, Shipper, Jetties and Cargo for each movement across National Waterways</li> <li>• Reports for Cargo movement across various parameters</li> </ul>	<ul style="list-style-type: none"> <li>• Transparency of information for all stakeholders</li> <li>• Easy dissemination of information and “Single source of truth” for the data</li> <li>• Focus on NW, Commodity, Jetties with maximum potential and helps in planning for interventions</li> <li>• Promotes use of IWT sector</li> </ul>
<b>PANI</b> <b>URI is</b> <a href="http://pani.iwai.nic.in/">http://pani.iwai.nic.in/</a>	<ul style="list-style-type: none"> <li>• Information of various Assets and Navigational information across NWs</li> <li>• Provides visual representation of LAD across NWs with all historical data available</li> <li>• Provides predictive analysis of LAD for planning of voyages by shippers and cargo owners</li> </ul>	<ul style="list-style-type: none"> <li>• Transparency of information for all stakeholders</li> <li>• Assist in “Ease of doing business” by providing information to the stakeholders for decision making</li> <li>• Promotes use of IWT sector</li> </ul>
<b>MIRS</b> <b>URL is</b> <a href="https://mirs.iwai.nic.in/web/">https://mirs.iwai.nic.in/web/</a>	<ul style="list-style-type: none"> <li>• Tracks the progress of various activities performed by IWAI across Scheme approval, bid process management, Project implementation and Asset utilisation</li> <li>• Highlights delays and provides alerts to the user as per requirement</li> <li>• Tracks KPIs such as Plan Vs Actual timelines; Budget Vs actual expenditure; Asset Utilisation %; Scheme approved costs vs actual expenditure (FY wise); Department wise adherence to timelines and budgets</li> </ul>	<ul style="list-style-type: none"> <li>• Easy dissemination of information and “Single source of truth” for the data</li> <li>• Having timely alerts lets user focus on the key issues and leads to timely completion of activities</li> <li>• Provides a framework for standardised monitoring activities across various tasks and thus brings all stakeholders to a single platform</li> </ul>

Tool Name	Outputs	Expected Outcomes
<b>IBP Permission Portal</b> <b>This is under development</b>	<ul style="list-style-type: none"> <li>• Provides a platform for registration, application and approval for various permission associated with vessel movement across IBP route</li> <li>• Provides analysis on the time taken for approvals and also tracks the vessel by having inputs at key situations during the journey</li> <li>• Tracks KPIs such as Time taken for registration (Agents and Vessels), Time taken for providing permissions, Time spent by vessel in India, number of vessels available in India at any point among others</li> </ul>	<ul style="list-style-type: none"> <li>• Transparency of information for all stakeholders</li> <li>• Easy to use platform with web-based access leads to easy of doing business for IWT sector</li> <li>• Promotes use of IWT sector</li> </ul>
<b>NOC</b> <b>URL is</b> <a href="https://ntcl.ncog.gov.in/NOC_Structure/login">https://ntcl.ncog.gov.in/NOC_Structure/login</a>	<ul style="list-style-type: none"> <li>• Provides No Objection Certificate (NOC) for the users by capturing key information specific to different structures along with general project details</li> <li>• Tracks KPIs such as Clearance turnaround time, Number of clarifications asked per application among others</li> </ul>	<ul style="list-style-type: none"> <li>• Brings all stakeholders to a single platform and provides updated information related to a particular application</li> <li>• Easy to use platform with web-based access leads to ease of doing business for IWT sector</li> <li>• Promotes use of IWT sector</li> </ul>

All the live Tools links are available in the iwai.nic.in website under the link spotlight and external link.

## IWAI Digital Solution

1. **Cargo Data (Car-D)**: Car-D portal has been developed in house by IWAI using open source technology. A web-based solution for collection & compilation, analysis and dissemination of all the cargo and cruise movement data for IWAI and its stakeholders. The solution gives access of the data to general public showcasing IWAI capabilities and potential of inland waterways transport.
2. **Portal for Assets and Navigational Information (PANI)**: PANI portal has been developed in house by IWAI using open source technology. It 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. In addition to the web-based portal, IWAI has also developed android and IOS app for the PANI.
3. **Management Information and Reporting Solution (MIRS)**: MIRS portal has been developed in house by IWAI using open source technology. It is a web-based solution developed by IWAI for tracking of all the works undertaken by IWAI which includes Scheme Approval, Procurement/tenders process, Project progress tracking and IWAI owned Asset Utilisation tracking.
4. **IBP Permission Portal**: IBP portal has been developed in house by IWAI. IBP Permission portal is an online application portal which has been developed for granting of permission (Inward/Outward) to vessel plying on IBP route. The platform allows agents registration, vessels registration which are subsequently used for Inward/Outward permission through an authority-based approval workflow.
5. **NOC**: NOC portal has been developed in house by IWAI. It is a web portal to assist IWAI to manage the entire process starting from application by a government or private body to approval for construction. The platform captures key information specific to different structures along with general project details. Allowing local and HO team to carryout feasibility checks and capture them on the platform to enable competent authority to take decision. Portal is playing a key role in removing geographical dependencies for faster growth in infrastructure development of inland water transportation. It also ensures that all the important aspects captured while designing the structure leading to successful execution.

6. **e-office**: An outsourced automated office to perform the function of ordinary office by means of a computerised system. A computerised file tracking system enables user to track the movement of files. Assist in creation, generation, manipulation of paperless file movement. Increase efficiency and transparency in the system.
7. **e-HRMS**: An outsourced generic centralised product-based solution for better management of personnel through electronic service record. Assist the top management in knowing the exact number of employees, the retirement pattern, additional requirements in coming year for planning recruitments, funds required for retiring employees, re-allocation of surplus employees to other Departments/organisations within the State, ACR/ Property Return status, seniority lists etc.
8. **SPARROW**: An outsourced portal to facilitate the electronic filling of Performance Appraisal report (PAR) by officers. Helps to reduce delays in submission of filled PARs. Provides status check so that the officers know where their PARs pending as well as what are pending with them.
9. **Iwaiportal**: IWAI portal has been developed in house by IWAI. It is an administrative tool for HR related activities, employee details, reports generation etc. It provides information related to employee details, Salary Generation, LAD report generation, IBP route permission etc.
10. **e-Granthalaya**: An outsourced WebBased Integrated Library Management System, a Digital Agenda for Library Automation and Networking. Centralized database can be used by number of libraries / branch libraries across the country under one organization.