

**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
**(Ministry of Road Transport & Highways)**

The National Highways Authority of India (NHAI) is responsible for development, maintenance and management of National Highways entrusted to it and for matters connected therewith or incidental thereto.

NHAI proposes to engage the services of professionals for the following positions on contract basis for ICT Project Monitoring Unit at NHAI Headquarters. The Details of positions and terms & conditions as well as period of engagement, eligibility, experience etc. are as under:-

<b>Sr. No.</b>	<b>Name of the posts</b>	<b>No. of posts*</b>
1.	Joint Advisor (Product Manager)	Three (03)
2.	Joint advisor (Data Scientist)	One (01)
3.	Joint Advisor (GIS Specialist)	One (01)

*\* Number of posts may increase or decrease.*

**DETAILS OF ELIGIBILITY CONDITIONS**

**1. Joint Advisor (Product Manager)**

1	Designation	Joint Advisor (Product Manager)
2	Number of Posts	Three (03)
3	Method of Recruitment	On Contract basis
4	Period of Contract	Initial tenure of engagement will be for a period of up to one year in the first instance, which may be further extended on yearly basis upto two more years, based on the requirements of the NHAI and the satisfactory performance.
5	Remuneration (Per Month)	Rs. 1,25,000/- (all inclusive)
6	TA/DA	No TA /DA shall be admissible for joining the assignment or on its completion. However, the Joint Advisors shall be allowed for TA/DA and Hotel accommodation for their travel inside the country in connection with the official work, at the same rates as admissible to Manager level officers in NHAI.
7	Educational Qualification	Degree OR Post Graduate Diploma OR Post Graduate Program in Science / Technology/ Engineering / Business / Management/ Public Policy/ Design
8	Age Limit	Not exceeding 48 years as on prescribed last date of receipt of online applications.
9	Experience	i) Minimum 3 years of product management experience. ii) Desirable skills/experience: a) Managing the KPIs, Requirements, UX and direct coordination with technical teams and business stakeholders.

		<ul style="list-style-type: none"> <li>b) Managing SDLC life cycles, preparing PRDs and task management software's Jira or Github etc.</li> <li>c) Experience with product level data analytics, user-engagement, feedback, setting up KPIs etc.</li> <li>d) Experience in designing of work-flows, mock-ups and process re-engineering using IT.</li> </ul>
10	Job Description	<ul style="list-style-type: none"> <li>a) Support IT division in management of NHAI's core MIS system Data Lake and other supplementary or integrated systems. Understand the requirements and provide technical inputs wherever required.</li> <li>b) Finalize functional requirements, UI/UX wireframes, workflows for ongoing and new requirements. Check the effectiveness of workflows for Data / documents.</li> <li>c) Liaison, with IT vendors and downstream NHAI counterparts to provide supervisory services and help NHAI contract management with vendors.</li> <li>d) Ability to prepare road maps, roll-out plans etc. for IT Projects.</li> <li>e) Responsible for reviewing and approving software artefacts to ensure it meet customer, business and compliance requirements.</li> <li>f) Co-ordination with high level authorities and stakeholder of other organizations for faster delivery of solutions and resolutions.</li> <li>g) Scoping interventions to use emerging technologies and its implementation.</li> <li>h) Monitoring the use of NHAI IT systems and preparing KPIs for vendor management.</li> <li>i) Any other responsibility as assigned by NHAI during the tenure.</li> </ul>

## **2. Joint Advisor (Data Scientist)**

1	Designation	Joint Advisor (Data Scientist)
2	Number of Posts	One (01)
3	Method of Recruitment	On Contract basis
4	Period of Contract	Initial tenure of engagement will be for a period of up to one year in the first instance, which may be further extended on yearly basis upto two more years, based on the requirements of the NHAI and the satisfactory performance.
5	Remuneration (Per Month)	Rs. 1,25,000/- (all inclusive)
6	TA/DA	No TA /DA shall be admissible for joining the assignment or on its completion. However, the Joint Advisors shall be allowed for TA/DA and Hotel accommodation for their travel inside the country in connection with the official work, at the same rates as admissible to Manager level officers in NHAI.
7	Educational Qualification	Degree OR Post Graduate Diploma OR Post Graduate Program in Science / Technology/ Engineering / Business / Management / Economics / Public Policy/ Data Science

8	Age Limit	Not exceeding 48 years as on prescribed last date of receipt of online applications.
9	Experience	i) Minimum 1 year experience in data science. ii) Desirable skills/experience: a) Professional proficiency in Python for data analysis (pandas, numpy etc) b) Experience in writing SQL queries for analysis or data processing c) Experience in designing and building dashboards, visualizations etc using BI tools, plotly etc. d) Fundamental understanding and experience in using AI/ML, NLP or other optimization algorithms.
10	Job Description	a) Explore different aspects for use of AI/ ML, designing of algorithms, and advanced analytics tools on the large volume of Data / Information accumulated in Data Lake Portal. b) Perform analytics on data to identify exceptions, anomalies, themes, trends / patterns. c) Design and develop data visualizations to assist NHAI with actionable information from the data set. d) Translate data issues/insights into easy to understand. e) Deep analysis to break down business scenarios into constituent parameters to identify interventions required. f) Any other responsibility as assigned by NHAI during the tenure.

### **3. Joint Advisor (GIS Specialist)**

1	Designation	Joint Advisor (GIS Specialist)
2	Number of Posts	One (01)
3	Method of Recruitment	On contract basis.
4	Period of Contract	Initial tenure of engagement will be for a period of up to one year in the first instance, which may be further extended on yearly basis upto two more years, based on the requirements of the NHAI and the satisfactory performance.
5	Remuneration (Per Month)	Rs. 1,25,000/- (all inclusive)
	TA/DA	No TA /DA shall be admissible for joining the assignment or on its completion. However, the Joint Advisors shall be allowed for TA/DA and Hotel accommodation for their travel inside the country in connection with the official work, at the same rates as admissible to Manager level officers in NHAI.
6	Educational Qualification	Bachelor's <b>OR</b> Master's Degree in Traffic and Transportation Planning/ Urban Planning/ Geo-informatics/ Remote Sensing/ Civil Engineering /Geology.
7	Age Limit	Not exceeding 48 years as on prescribed last date of receipt of online applications.
8	Experience	Minimum 5 years of experience in case possessing Bachelors Degree and 3 years in case of Master's Degree. Should

		possess experience in GIS based analysis such as algorithms, planning, network optimization or modelling, service area calculations, visualizations etc.
9	Job Description	<p>(a) Overall manage the GIS products and projects within NHAJ</p> <p>(b) Understand the requirements of NHAJ and provide technical inputs wherever required pertaining to Project Execution and Monitoring.</p> <p>(c) Strengthen the system in place to ensure Highway assets are geo-tagged and updated.</p> <p>(d) Coordinate between vendors, NHAJ field and HQ pertaining to GIS related projects and provide technical assistance wherever needed.</p> <p>(e) Explore and promote meaningful use of GIS in the entire lifecycle of a highway project from planning to maintenance including road-safety, identifying accident blackspots etc.</p> <p>(f) Represent NHAJ on the Road Asset Management System (RAMS) currently in use / improvement.</p> <p>(g) Explore the use of network analytics/service area calculation for NHAJ assets, patrol units, way-side amenities etc.</p> <p>(h) Any other responsibility as assigned by NHAJ during the tenure.</p>

The terms and conditions of engagement will be in according to NHAJ Policy Guidelines for engagement of External Professionals and Young Professionals No. 1.3.1.12/2017 dated 21.06.2017. The Policy Guidelines are attached as **Annexure**.

**NHAJ will have the right to terminate the contract at any time, without assigning any reason.**

**Submission of Applications:** Applications are to be submitted online only. The procedure to be followed for filling up the online application is given in the online application portal, which can be accessed at <http://www.nhai.gov.in>. Eligible candidates may apply online on the link provided on the website of NHAJ **by 14.07.2023 (upto 06:00 PM)**.

\*\*\*\*\*