

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

Sub: Engagement of Senior Pavement Design cum Material Expert and Quantity Surveyor in the Detailed Project Report (DPR) Cell at NHAI HQ on contract basis - reg.

NHAI invites applications for the following positions for filling up on **contract basis** to work in DPR Cell of NHAI. Details of posts and terms & conditions as well as period of engagement, eligibility, experience etc. are as under:

Sr. No.	Name of the posts	No. of posts*	Deployment
1	Senior Pavement Design cum Material Expert	One (01) Position	NHAIHQ, New Delhi
2	Quantity Surveyor (QS)	One (01) Position	NHAIHQ, New Delhi

** Number of posts may increase or decrease.*

A. Eligibility criteria -

(i)	Experience & Educational qualifications	
a.	Senior Pavement Design cum Material Expert	Please refer to Annexure-A
b.	Quantity Surveyor (QS)	
(ii)	Age limit:	
a.	Senior Pavement Design cum Material Expert	Maximum Age Limit - 65 years (Which can be relaxed by the Chairman.)
b.	Quantity Surveyor (QS)	Maximum Age Limit - 45 years (Which can be relaxed by the Chairman.)

B. Job description -

Sr. No.	Position	Roles and Responsibilities
1	Senior Pavement Design Cum Material Expert	• Conduct independent reviews and validation of crust thickness designs for both flexible pavements (as per IRC:37) and rigid pavements (as per IRC:37) submitted by DPR consultants. • Evaluate life-cycle costing options for various pavement strategies to determine the most cost-effective and durable solution for the project's design life. • Review the justification and technical suitability for selecting specific materials, such as modified bitumen, performance-graded binders, stone matrix asphalt, or perpetual pavement layers, tailored to traffic densities and climate zones. • Review of Pavement Designs submitted by the contractor/ Concessionaire during implementation stage. • Prepare standard design, methodologies for different traffic, climatic and subgrade conditions and initiate pilot projects in NHAI and end to end monitoring of field performance. • Review of mix designs, resolution of construction-related technical issues, and monitoring the execution of pavement layouts to ensure structural compliance with standard guidelines. • Actively identify and drive the integration of sustainable technologies, green road-building materials, industrial waste (such as slag or fly ash), and pavement recycling methods (such as cold/hot in-situ recycling) into the design stage.

		• Review the adequacy, frequency, and findings of ground investigations, subgrade soil testing (CBR values), and aggregate source validations to ensure real-world material compliance. • Conduct dedicated site visits along with project stakeholders during the DPR stage/ implementation stage to verify proposed designs, existing pavement distresses, and the suitability of proposed rehabilitation designs. • Coordinate the presentation of the deliverables to CGM/GM, DPR Cell and CGM (Tech) of concerned Technical Division. • Provide technical assistance to RO & PD & Technical Division at HQ in development of performance monitoring by NSV, FWD and establishing pavement performance database.
2	Quantity Surveyor (QS)	• The expert will perform granular cost-checking of the Bill of Quantities (BoQ), quantity calculations, and detailed rate analysis for incoming DPR proposals to eliminate cost approximations and prevent long-term financial discrepancies. • Thoroughly review the financial sections of the bid documents, draft contract agreements and technical schedules to ensure cross-referencing of scope and pricing structures. • Identify and rectify structural anomalies, lump-sum allowances or nonstandard market rate provisions in order to insulate NHAI against future cost overruns and long term financial variations.

C. Duration -

a.	Senior Pavement Design Cum Material Expert	2 years (Extendable upto 5 years subject to performance and requirement)
b.	Quantity Surveyor (QS)	

D. Method of Recruitment -

a.	Senior Pavement Design Cum Material Expert	Contract basis through open advertisement and selection by the Committee through interview.
b.	Quantity Surveyor (QS)	

E. Remuneration (per month) -

a.	Senior Pavement Design Cum Material Expert	Rs. 5,00,000/-
b.	Quantity Surveyor (QS)	Rs. 1,75,000/-

3. The other terms & conditions of engagement will be in accordance to NHAI Policy Guidelines for engagement of External Professionals and as amended from time to time.

4. Corrigendum or Addendum or Cancellation to this advertisement, if any, shall be published only on the website of NHAI. Therefore, the candidates are advised to check the website of NHAI regularly.

5. NHAI will have the right to terminate the contract at any time, without assigning any reason.

Procedure to apply

- i. 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 NHAI by **28.09.2026 (06:00 PM)**.
- ii. It may please be noted that the applications received through post/courier/fax shall not be considered.
- iii. Applications not submitted properly or incomplete applications in any respect, especially without details of work experience and salary details shall be liable for rejection. The candidates are advised to fill out the application format carefully in accordance with the eligibility criteria and experience mentioned above. It may be noted that any subsequent clarification regarding job profile/experience etc. at a later date will not be entertained under any circumstances. All qualifications should have been acquired from Indian Universities/Institutes, recognized by UGC or AICTE (whichever is applicable) or any other institute of repute as may be deemed acceptable by selection committee.
- iv. The crucial date for determination of eligibility shall be the last date prescribed for receipt of applications.
- v. Mere submission of applications shall not give the candidates any right to be called for selection.

Important Terms & Conditions

- i. The person engaged shall provide full-time services to NHAI during their period of engagement and they would not be permitted to take up any other assignment during the period of their engagement with the NHAI. The person will be engaged on contract basis under the prevailing guidelines/rules, for a fixed period and no claim, whatsoever, shall be admissible for regularization / absorption in NHAI.
- ii. TA/DA shall neither be admissible to the personnel at the time of joining the assignment on appointment nor at the time of relieving on its completion (or otherwise).
- iii. The candidates engaged will be required to attend office or visit field on all working days and also on holidays, if required, on account of exigencies of work.
- iv. Travelling Allowance / Daily Allowance (TA / DA) will be admissible during site visits as per equivalent of NHAI Officer as per terms and conditions of engagement.
- v. Regarding the procedures & formalities extant guidelines / norms / relevant Policy Circulars of NHAI will be referred.
- vi. NHAI shall have the right to terminate the contract at any time, without assigning any reason. However, the contract may be terminated by either of the parties at any time after serving one month's advance notice or payment/recovery of one month's salary in lieu of notice during the subsistence of the contract.

Other Terms & Conditions

- i. Canvassing or bringing influence in any form will disqualify the candidature.
- ii. NHAI reserves the right to raise/relax the eligibility conditions, depending on the response and/or requirement.
- iii. NHAI reserves the right not to fill up any or all the posts notified at its discretion and vacancies may also be increased/decreased depending upon organizational requirements.
- iv. NHAI reserves the right to cancel/restrict/enlarge/modify/reopen/alter the recruitment process, if the need so arises, without issuing any further notice or assigning any reason thereof.
- v. Corrigendum or Addendum or Cancellation to this advertisement, if any, shall be published only on the website of NHAI and will not be published in the newspapers. Therefore, the candidates are advised to check the website of NHAI regularly.

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Annexure-A: Eligibility Criteria

A. Senior Pavement Designer cum Material Expert:

S. No	Description	Requirement
1	Educational	
1.1	Essential	Graduate in Civil Engineering or equivalent from a recognized University/ Institute. Postgraduate (ME/M Tech) in Highway/ Pavement or other related field from a recognized University/ Institute.
1.2	Desirable	PhD in Pavement/Highway engineering or other related field. Publications in reputed national/international journals related to pavement engineering.
2	Experience	
2.1	Essential Experience	Minimum 20 years of overall professional experience in highway projects.
2.2	Desirable Experience	Hand-on experience in Pavement Design and in life cycle costing under IRC 37/IRC 58, and other international codes and Design Software. implementation of performance-graded binders/ modified bitumen, recycling technologies and innovative pavement technologies such as Geosynthetics, WMA etc. Experience in pavement forensic investigation and failure analysis specifically in pavement design, construction, quality assurance, maintenance and pavement management.
3	Age Limit	Maximum 65 years as on the last date of submission of application

B. Quantity Surveyor (QS):

S. No	Description	Requirement
1	Educational	
1.1	Essential	Graduate in Civil Engineering or equivalent / Certificate course from 'Institution of Quantity Surveying'
1.2	Desirable	-
2	Experience	
2.1	Essential Experience	Minimum 08 years' Experience in Quantity estimation, Preparation of Bill of Quantities, rate analysis, Payment Schedules of Contract Documents for National Highways or major highway projects involving major bridges / structures /tunnels.
2.2	Desirable Experience	Proficiency in MS Excel, AutoCAD, Civil3D and quantity estimation software
3	Age Limit	Maximum 45 years as on the last date of submission of application

Note -

- i. Selection will be done by selection Committee.
- ii. Engagement will be on Contractual Basis at NHAI HQ.
- iii. **Duration - 2 years** (Extendable up to 05 years subject to performance and requirement)