



**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS**

Parivahan Bhavan,
1, Parliament Street,
New Delhi-110001

RW-NH-34048/5/2013-S&R(B)

Dated: 11-09-2013

To

1. The Chief Secretaries of all State Governments/Union Territories.
2. The Principal Secretaries /Secretaries of all States/U.Ts. Public Works Department dealing with National Highways, other Centrally Sponsored Schemes and State Schemes.
3. The Engineers-in-Chief and Chief Engineers of Public Works Departments of States/U.Ts dealing with National Highways, other Centrally Sponsored Schemes and State Schemes.
4. The Chairman, National Highways Authority of India (NHAI), G-5&6, Sector-10, Dwarka, New Delhi-110 075.
5. Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.

Sub: Requirement of Technical Manpower for Authority's Engineer as per EPC Document for different works on National Highways and centrally sponsored works

Ministry has issued direction for implementing the development works on National Highways on Engineering Procurement and Construction (EPC) mode. Regarding this, an approved document has been circulated vide Ministry's letter No.RW/NH-37010/4/2010/PIC dated 26th November 2012, which is available on Ministry's website and can be downloaded for official use. As per document, for projects, Authority has to appoint a consultancy firm named as "Authority Engineer" for supervising the work, from the list of Ministry's Empanelled Consultants for the purpose. The term of reference of Authority Engineer has been provided at the Schedule N of Annexure -I of EPC Document. Further, Ministry vide letter No. RW/NH-37010/4/2010/PIC dated 01-08-2013 has decided that all the plan projects costing more than Rs. 10 Cr. (Civil Construction Cost) and projects pertaining to construction of Bypasses and Bridge/flyover taken up for implementation on standalone basis irrespective of their cost shall hence forth be awarded on EPC mode of contract.

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2. In order to implement Ministry's decision for executing the plan works under EPC mode, it has been decided that Authority Engineer can be deployed state-wise and financial year wise. The deployment of Team Leader alongwith Deputy Team Leader shall be made at fixed cost of Rs. 4.5 lakhs and Rs. 3.5 lakhs per month respectively for a tenure of 2 years and extendable for another one to two years, based on the requirement of projects & its maintenance period as per EPC document. The remuneration for Team Leader and Deputy Team Leader as fixed above shall continue in extended period. The remuneration includes one clerical support staff with computer, printer, fax and phone facility separately to both i.e. Team Leader & Deputy Team Leader alongwith office accommodation and vehicles. The experience requirement of Team Leader should be in highway field and that of Deputy Team Leader in bridges.

3. Ministry has assessed the requirement of Technical Manpower to be deployed at the different project site i.e. projects of PR/IRQP, widening & strengthening, major/minor bridges etc, the same is provided as under:

TYPE OF NH WORK	REQUIREMENT OF TECHNICAL MANPOWER FOR AUTHORITY'S ENGINEER (AE)	Applicability of these persons	Expected charges in terms of % work cost
PR/IRQP	1. One Highway Engineer with 10 Yrs of Experience in Highway Engineering with minimum B-Tech/BE in Civil Engineering. 2. One Material Engineer with Diploma Degree and 5 Yrs of Experience in area of Highway Engineering and Material testing.	These key personnel can handle project/projects aggregating to a length of 100 Km.	1.5%
Strengthening and widening	1. One Highway Engineer with 10 Yrs of Experience in Highway Engineering with minimum B-Tech/BE in Civil Engineering. 2. One Material Engineer with Diploma Degree and 5 Yrs of Experience in area of Highway Engineering and Material Testing. 3. One Survey Engineer with Diploma Degree and 5 Yrs of Experience in Highway Engineering.	These key personnel can handle project/projects aggregating to a length of 50 Km.	2%
Minor Bridges	1. One Bridge Engineer with minimum 10 years of Bridge Design/ Construction Experience and B.E./B.Tech. in Civil Engineering. 2. One Assistant Bridge Engineer either with	These key personnel can handle upto five projects at a	2%

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	Diploma Degree and 5 Yrs of Experience or with BE/ B. Tech Degree and two Years of Experience in Bridge Construction.	time in nearby reaches.	
Major Bridge	<p>1. One Bridge Engineer with minimum 12 years of experience in bridge design and construction and minimum B.E./B.Tech. in Civil Engineering.</p> <p>2. One Assistant Bridge Engineer either with Diploma Degree and 5 Yrs of Experience or with BE/ B. Tech Degree and two Yrs of Experience in Bridge Construction.</p> <p>3. One Survey Engineer either with Diploma Degree and 5 Yrs of Experience or with BE/ B. Tech Degree and three Yrs of Experience in Bridge Construction.</p>	These key personnel can handle two projects at a time in nearby reaches.	3%
<p>Note: Apart from this, the AE should have provision for at least three man-months of qualified and experienced technical professionals of Highway Design Engineer, Bridge Design Engineer, alongwith the Contract Specialist, Quantity Surveyor and Road Safety Experts to review the design drawings submitted by contractor's Design Director and proof checked by proof consultant (Ministry's Empanelled Consultant) appointed by contractor as per EPC document.</p>			

3.1 The technical manpower deployed by the appointed firm at site shall be of less than sixty five years of age and in good health. The Stage payment to the Authority Engineer firm in respect of the deployment of project-wise professionals shall be linked to the progress of the respective project in financial term. The consultancy firm shall include cost of all other logistics for smooth running of their office i.e. TA/DA of Manpower deployed, Office rental, salaries of other support personnel, telephone, computer /computer operator etc. as per their assessment.

4. Ministry has decided the approximate Percentage (%) of cost of the project for respective works as detailed in the table above. The consultant shall bid percentage above are below (+/-) to the indicated Percentage (%) for the respective State for supervising all the works included in the Annual Plan of the State. The percentage *quoted* will be applicable on the indicated percentage in the table at Para-3 above. However, the actual payment to the consulting firm would be made as the quoted Percentage (%) of awarded cost of individual works. The selection of the consultant shall be combined quality cum cost basis system (80:20).

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This issue with the approval of the competent authority.

Yours faithfully,

 11/8/13

(Alok Kumar Pandey)

Superintending Engineer (S,R&T) (Bridge)
For Director General (Road Development) & SS

Copy for information and necessary action to:

1. All Technical officers in the Ministry of Road Transport & Highways
2. All ROs and ELOs
3. The Secretary General, Indian Roads Congress
4. The Director, IAHE
5. Technical Circular File of S&R Section

Copy for kind information to:

1. PS to Hon'ble Minister (RT&H)/PS to MOS(T)/PS to MOS(S).
2. Sr. PPS to Secretary (RT&H)
3. PS to DG (RD) & SS