



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport and Highways)

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No. 11041/116/2010-Coord.

Dated: 10.06.2015

CIRCULAR

(Decision taken in File No.NHAI/13011/IT/EC/IRTE/2014-15)

Sub: Capacity Building in "Road Safety Engineering" for Engineers of NHAI, PWD and those of Concessionaire.

NHAI has taken several initiatives for improving the road safety on its National Highways and in this regard, the Authority in its 91st & 94th meetings held on 09.11.2012 & 14.05.2013 respectively had approved engagement of IIT/NIIT/State and Deemed Universities/Govt. Autonomous Universities on nomination basis to begin with in the field of safety consultant and O&M supervision consultant on NHAI projects. Further, the Authority in its 98th meeting held on 28.11.2013 had approved engagement of three institutes for providing technical manpower in NHAI projects on the similar lines of IIT/NIIT/State and Deemed Universities/Govt. Autonomous Universities. The three institutes approved are: (1) Trauma Centre of All India Institute of Medical Sciences, New Delhi (2) Central Institute of Road Transport (CIRT), Pune, and (3) Institute of Road Traffic Education (IRTE) situated at Surajkund Badhkal road, adjacent to the Manav Rachna International University, Sector 43, Faridabad.

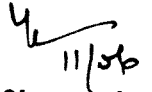
2. On sponsorship from Ministry of Road Transport & Highways (MORT&H), IRTE is conducting Workshops-cum-Training Programmes in the area of Road Safety Management and Road Crash Investigation for; State Transport/Traffic Departments, Municipal Corporation personnel and the Police for capacity building of these organizations. The IRTE has approached NHAI vide their letter dated 27.02.2015 (copy at Annex-1) to give recognition to their courses and to issue suitable directions to all the Concessionaire of NHAI for their active participation in the aforesaid courses conducted by them. The aforesaid proposal has been examined and has been approved by the Chairman, NHAI. The salient features of the approved proposal are as under:

1) The IRTE, as per the NHAI requirement, will conduct two types of residential courses on Road Safety Engineering at the College of Traffic Management, situated on the Surajkund Badhkal Road, adjacent to the Manav Rachna International University, Sector-43 Faridabad. The curriculum and modules of these courses will be as under:-

i) A three day course will inter alia include component of Traffic Engineering, Road Safety Audit, Black Spot Analysis, Road Crash Investigation, Traffic Legislation and Standards of Traffic Control Devices.

- ii) The advance level course would be for five days durations. The fee, which will be payable directly to IRTE, will be Rs. 26,500/- & 35,000/- plus taxes per participant for three day course and advance level course for 5 days respectively. The fee would include course material, sharing accommodation in three star hotel (inclusive of breakfast and dinner), transportation between the hotel and the College, as well as lunch and am/pm tea. NHA can nominate two officers free of cost from HQ/Field Offices as Observer to the courses conducted by IRTE.

3. All the Concessionaires are encouraged to nominate their Engineers/Staff to the above courses of IRTE. On completion of course, participants will be well versed in evaluation of road safety aspects and a certificate will be provided to all the participants by IRTE.


11/06

(V.K. Sharma)
CGM (Coordination)

To:

All CGMs (T)

All GMs (T)

All ROs

All PDs

With a request to bring it to the
knowledge of all the Concessionaires

Copy to:

All Members

PS to Chairman



February 27, 2015

Mr. R.P. Singh
Chairman
National Highways Authority of India
New Delhi

Subject: Capacity Building in "Road Safety Engineering" for Engineers of NHAI and those of Concessionaires.

Dear R P Singh,

I take this opportunity to thank the National Highway Authority of India for recognizing the Institute of Road Traffic Education for awarding of consultancy services in the area of road safety and/ traffic in the similar category as IITs/NITs/ Government Universities/ Government Autonomous Universities and Deemed Universities as per your letter NHAI 13011/IT/EC/2012-13, dated 11.12.2013, copy of which is enclosed (Annexure A). A similar recognition was also awarded to the All India Institute of Medical Sciences with whom IRTE works in collaboration. While the AIIMS contributes to humanitarian service in public health and post-crash trauma, the IRTE is providing capacity building initiatives in all the areas of traffic management including road traffic engineering, enforcement, crash investigation, driver training and post-crash management. More details of the activities of IRTE and the College of Traffic Management in Annexure 'B'.

The Ministry of Road Transport and Highways, Government of India has also awarded IRTE to conduct training courses on Road Safety Management and Road Accident Investigation for officers of the Police, Transport Departments and road authorities. During 2014 and 2015, IRTE has successfully completed 09 courses and the feedback from the participants has been most encouraging.

IRTE now requests the NHAI to extend the scheme for conducting capacity building in road safety audit which will also inter alia include the training courses as already approved by the MORTH on the same terms and conditions as the Ministry of Road Transport and Highways. The need for such courses and the details are provided below.

1. Literature review of accident data published by the Ministry of Road Transport & Highways and Surveys conducted by the IRTE and the College of Traffic

Management under a research project conducted for the BPRD, Ministry of Home Affairs has adequately demonstrated the following facts:

- **Though national and state highways constitute only 5.4% of the total roads these highways contribute to over 63% of the road crash fatalities.**
 - **The critical definition and component of the scientific application of traffic engineering is missing in most of the highways.**
 - **There are no traffic engineering centres created by the concessionaires and NHA as per the good practice of the developed world.**
 - **Authorities are facing a huge challenge to deal with non-motorised traffic as these highways approach villages and townships.**
 - **The concept of road safety audits are not fully embedded within the procedures of design, road works, preopening and post opening of highways.**
 - **Traffic Management systems within the stretches controlled by the concessionaires, the NHA need to be addressed.**
 - **A linkage or coordination of the police and NHA also requires to be addressed .In order that the causes and consequences of serious and fatal road crashes occurring due to failures in road and traffic engineering are ascertained, and consequently remedial measures are undertaken, it would be important that all serious and fatal road crashes are scientifically investigated by the police in coordination with the road representative authorities. Such joint investigation is important or alternatively to support the police in road crash investigation, the concessionaires must have the basic knowledge of the forensic science behind the investigation of crashes in order that they can contribute in collecting the primary evidence in such cases.**
2. The only one factor which would help is resolving the issues stated above are the capacity building of:
- i. **NHA engineers who are responsible for approval of designs, opening of highways and projects.**
 - ii. **Concessionaires through their engineers who are responsible for subsequent design related work**
 - a) **Road works and construction**
 - b) **Pre-opening and post opening checks**
 - c) **Safety management of road traffic on stretches**

- d) Road crash investigation of serious and fatal crashes
 - e) Understanding of causative factors of road traffic violations occurring on these stretches caused primarily due to faulty road and traffic engineering.
 - f) Understanding the basis of deciding the speed limits and organizing installation of speed signage in their respective domains
3. **The IRTE therefore proposes to the NHAI and offers to conduct capacity building courses for the above stakeholders, so that road safety engineering is embedded as a foundation from the very beginning to end in concept, design, construction, operation as well as in post operation planning.**
4. **It is therefore proposed that the College of Traffic Management is the only comprehensive and singular institution, which deals primarily and only in the area of road safety management. The IRTE hereby offers Capacity Building Courses in Road Safety Engineering for Traffic Engineers and Road Safety Managers for the Concessionaires involved with the NHAI as well as the Engineers of the NHAI. As per details provided in Annexure C.**

Working in Partnership with the All India Institute of Medical Sciences

One of the important parameters of road safety management along the highways is the basis of trauma care received by the road accident victims. In addition, health of workers dealing in road construction, traffic enforcement and road safety management is also a concern. The AIIMS Trauma Centre has been providing training to other trauma centres in the country as well as auditing standard operating procedures, performance of equipments as well as training the trainers. The AIIMS Trauma Centre would partner with IRTE to conduct training of trainers for health and trauma related personnel as well as auditing the systems, supposed to be provided by the concessionaires.

Suggested Support from the National Highway Authority of India

The primary responsibility of safe and efficient movement of traffic rests upon the NHAI. Since much of the work is carried out by the concessionaires, and consequently their contractors and sub-contractors, we believe that it becomes the incumbent responsibility of the NHAI to ensure that the Concessionaires, contractors, sub-contractors who work on behalf of the NHAI are fully trained in order to work as per specifications and procedures laid down by the NHAI.

After proper consideration of our proposal, and having the confidence that IRTE could partner with the NHAI in this programme, we recommend that the NHAI could enter into a MoU with the IRTE to conduct capacity building programmes for their concessionaires as well as for other engineers of the NHAI.

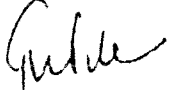
We propose that the course should be of a 5 day duration, with a minimum number of 13 participants and a maximum of 20. It would be a residential course, to be conducted at IRTE's College of Traffic Management, Surajkund Badhkal Road, Aravali Hills, Sector-43, Faridabad (Next to Manav Rachna International University).

Since this fee was decided in 2013-14 by the Ministry, IRTE would request a 10% increase to the NHAI for the Financial Year 2015-16. Copy of the sanction Order from the Transport Department for 03 and 05 day courses is annexed for your kind information (Annexure D). Based upon the current fees, per participant cost at full attendance of 20 would be Rs. 26,500 plus taxes. This amount would include Facility (including laboratories), materials, faculty, outdoor practical audits, sharing room accommodation in a three star hotel, breakfast, lunch and dinner costs, certification and all other incidental expenses which deal with coordination and correspondence.

The IRTE's College of Traffic Management offers to hold two courses each month, from 1st April, 2015 to 31st March, 2016. The schedule of the courses can be worked together with the National Highway Authority of India.

These courses on capacity building will help the NHAI and your concessionaires to integrate road safety engineering, including road safety audit, traffic enforcement and accident investigation into your regular practices, in order to mitigate deaths and serious injuries occurring due to road crashes on national highways. We look forward to your positive confirmation.

Sincerely


G.K. Pillai IAS (Retd.)
Former Union Home Secretary
Advisor-IRTE

CC: Mr. Atul Kumar, Chief General Manager, NHAI (with respect to your nomination letter dated 11th December, 2013)