



GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

विभाग : समन्वय विभाग
Dept.: COORD. SECTION
संदर्भ संख्या / Ref. No. 20...
दिनांक / Date : 11/3/13

Transport Bhawan,
1, Parliament Street,
New Delhi – 110001

No. RW/NH-35075/5/2006-S&R(R)

Dated the 5th February, 2013

To,

Central/ State Government approved Universities /Colleges and Research
Institutions / R& D centres

Subject: Invitation of proposals of Research Schemes

Sir,

As you are aware, the Ministry of Road Transport & Highways is undertaking Research and Development (R&D) in the highways sector for updating the specifications for road and bridge works, for introducing emerging construction materials, new testing techniques and equipments for construction and maintenance, for effective quality control in projects etc. The research schemes being dealt by the Ministry are generally 'applied' in nature, which, once completed, are referred by user agencies in their work in the field.

In keeping with this, the R&D Committee of the Ministry has recommended the following possible areas for undertaking research:

- R & D on additives/materials/techniques/equipment accredited by IRC Accreditation Committee and /or tested by CRRRI.
- Standardisation of design/specifications, construction, quality tests for new additives/materials/techniques
- Improvement to highway drainage with geo-composites, porous concrete, etc.
- Quick/non-destructive testing equipment for improving quality
- Data base of Research Schemes in the Highway sector
- State of Art Reports resulting in Guidelines on pick up bus stops, solar lighting, disaster management/emergency response, hill roads-land slide/slope protection/drainage, Electronic Toll Collection (ETC), noise barriers, crash barriers/anti-collision devices, CC Cameras, road safety with emphasis on non-motorised traffic, vulnerable road users, rain water harvesting, carbon credit generation.
- Use of waste and marginal materials in road construction
- Application of different types of edge drains in pavement drainage
- Review of specifications for bituminous mixes
- Vehicle operating cost for 6 lanes/expressways
- Life cycle cost of rigid pavements

Dean (R&D)

PI circulate to
all faculty
Anupam
11/03/2013

Considering the capabilities and technical excellence of your Institute, it is requested to forward at the earliest, the possible topics, pertaining to the areas mentioned above, along with a brief description of the proposal in which your Institute is interested to undertake research, for consideration by the Ministry.

Yours faithfully,

(Sharad Varshney)
Superintending Engineer (Roads) (S,R&T)
For Director General (RD) & SS

Beom (RD)
M/O
11/10/2012