

**HIGHWAYS DEPARTMENT  
HIGHWAYS RESEARCH STATION**

**From:**

**Er. A. Venkatachalam, M.E.,**  
Director,  
Highways Research Station,  
Guindy, Chennai-25

**To:**

The Director General,  
Highways Department,  
Guindy, Chennai-25

**Lr. No./HRS/Announcements-5/HRS /AE 3/2026-27,Dated: 01.10.2026**

**Sir,**

**Sub:** Highways Department – Announcements 2026-27 – Sustainable Road Technologies promoting Innovative Construction Materials, Recycling Technologies, and Solar Power –Technical Guidance – sent – reg.

- Ref:** 1. This Office Lr.No./HRS/Announcements 2026-27 / AE 3, Dated 08.09.2026
2. This Office Lr.No./HRS/Announcements-2 2026-27 / AE 3, Dated 11.09.2026 (Minutes of the Meeting held on 10.09.2026)
3. This Office Lr.No./HRS/Announcements-4 2026-27 / AE 3, Dated 24.09.2026

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I invite your kind attention to the above subject.

The Hon'ble Minister for Public Works and Sports Development Department announced "Sustainable Road Technologies – Promoting Innovative Construction Materials, Recycling Technologies and Solar Power" during the discussion on the Demand for Grants for the Highways Department in the Legislative Assembly

Subsequently in the Weekly Progress Review Meeting held on 07.09.2026, the Principal Secretary to Government (H&MP) observed that a meeting be arranged with all Chief Engineers to discuss the adoption of sustainable materials and innovative technologies in the Highways Department.

Accordingly, a list of innovative materials and technologies was circulated to all the CEs, and a meeting was convened on 10.09.2026 to

identify technically feasible and technologies for implementation on pilot basis.

After detailed discussions, it was decided to take up the following seven innovative materials/technologies for implementation on pilot basis. It was also requested that suitable trial stretches be identified in the respective C&M Regions for implementing the technologies, as given below:

| Sl. No | Materials / Technologies                           | C&M Regions    |
|--------|----------------------------------------------------|----------------|
| 1      | Fibre-Reinforced Concrete                          | C&M Chennai    |
| 2      | Pervious Concrete for Sustainable Pavements        | C&M Madurai    |
| 3      | Ground Granulated Blast Furnace Slag (GGBS)        | C&M Coimbatore |
| 4      | Geosynthetics in Flexible Pavements                | C&M Trichy     |
| 5      | Cement-Treated Sub-base and Base                   | C&M Trichy     |
| 6      | Reclaimed Asphalt Pavement (RAP)                   | C&M Madurai    |
| 7      | Steel Slag Aggregate in Bituminous Concrete Layers | C&M Coimbatore |

In this regard, a comprehensive technical guidance for the implementation of the technologies has been prepared and is enclosed herewith for further action

**Encl:** The Technical Details (1-Booklet)

  
For Director,  
Highways Research Station,  
Guindy, Chennai-25

Copy to

1. The Chief Engineer (H),  
Construction and Maintenance,  
Coimbatore Region, Coimbatore – 43

2. The Chief Engineer (H),  
Construction and Maintenance,  
Trichy Region, Trichy-20

  
10.10.26

3. The Chief Engineer (H),  
Construction and Maintenance,  
Chennai Region,  
Guindy, Chennai-25

4. The Chief Engineer (H),  
Construction and Maintenance,  
Madurai Region, Madurai-02