

Government of India
Ministry of Road Transport & Highways
(S&R Zone)

No.1, Parliament Street, Transport Bhavan, New Delhi-110001

File No: RW/NH-33044/10/2021-S&R(P&B)(171909)

Dated: 15th March, 2023

To,

1. The Chief Secretaries of all State Governments/ UTs.
2. The Principal Secretaries/ Secretaries of all States/ UTs PWD dealing with National Highways, other centrally sponsored schemes and state schemes.
3. The Chairman, National Highways Authority of India (NHAI), G-5&6, Sector-10, Dwarka, New Dethi-110075.
4. The Managing Director, National Highway Infrastructure Development Corporation Ltd., 3 floor, PTI Building, Parliament Street, New Dethi-110001.
5. Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110010.
6. Secretary General, IRC, IRC Bhawan, Kama Koti Marg, Sector-6, R.K. Puram, New Delhi-110022.
7. Director, IAHE, Industrial Area, A-5, Sector-62, Noida-201309.
8. NIC for uploading on Ministry's websites.

Subject: Reuse of materials reclaimed from existing pavement layers.

Madam/Sir,

Existing asphalt/ granular pavement courses are many times partially or fully removed during up-gradation/capacity augmentation/rehabilitation of existing flexible/rigid pavements. It is generally observed that the scarified asphalt/granular materials are sometimes partially used in the new pavement courses but many times these are simply disposed. These materials have some value/ cost which should be gainfully utilised. Besides disposal of such scarified materials adversely affect environment. Keeping these factors in view, such materials should be used in the new pavements to the extent possible subject to fulfilment of standards and specifications.

2. Accordingly, it has been decided as under:

2.1 The scarified granular materials may be used in GSB/ WMM layer to the extent possible, taking due care that the materials for respective pavement layers fulfill the specifications requirements for gradation, strength and other quality parameters. The granular materials from existing pavement shall be scarified by an approved method such that there is no contamination with underlying soil. The scarified granular material shall be transported to stacking yard and tested for all applicable quality parameters. An attempt will be made to utilize the scarified granular materials in GSB/CTSB layer as a fraction with/without further treatment. Otherwise scarified granular materials may be crushed and sieved to produce material of suitable size for use in GSB/CTSB. in either case, the mix materials including a fraction of scarified granular materials shall meet the specification requirements of appropriate pavement layer.

2.2 Reclaimed material from asphalt courses may be used for recycling (hot / cold) depending upon project size, quantum of scarified materials and other relevant considerations. Wherever recycling is not feasible, such materials may be used in the

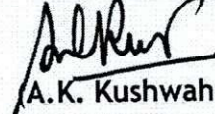
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shoulder (earthen), diversion road, etc. meeting the specification requirements of relevant layers. Crushing of the reclaimed asphalt materials shall be suitably done to meet the gradation requirements. Where only bituminous courses are scarified, cold milling may be done by appropriate equipment so as not to disturb the integrity of underlying granular layer if the same is feasible with respect to the thickness of the existing Bituminous layer, its condition etc. If the reclaimed asphalt material is used in recycling, provisions of IRC:120-2015 shall be followed for appropriate type of recycling. Where reclaimed asphalt material is used in earthen/hard shoulders or in diversion road, it shall be used after suitable crushing/gradation etc.

3. Accordingly, henceforth while preparing DPRs, the possible uses of scarified granular/ asphalt pavement materials shall be evaluated and appropriately factored in / credited to the cost estimate.

4. This issues with the approval of Competent Authority.

Yours faithfully,



(A.K. Kushwaha)
SE, S&R (Roads)
For DG (RD) & SS

Copy to:

1. All ROs/ ELOs of MoRTH and all Technical Officers at MoRTH Headquarter;
2. PPS to Secretary (RTH), PPS to DG (RD) &SS, PS to AS&FA, PS to all ADGs;
3. Technical circular file of S&R (P&B) Section.