PROCESS FOR THE PREPARATION OF WASTE PVC (POLY VINYL CHLORIDE) MODIFIED BITUMEN- USEFUL FOR PAVING APPLICATIONS

The process developed uses most toxic plastic waste i.e. PVC waste which is difficult to recycle and which has no safe disposal method and which is the most polluting in terms of dioxins can be safely reused in bituminous roads. Raw materials like VG10 bitumen, waste PVC pipes and additives are the main components in this process.

SALIENT FEATURES

- Extends the life of pavement.
- Strength of bituminous mix is enhanced by way of improvement of properties of neat bitumen
- Process allows to get rid of hazardous PVC plastic waste in a safer way.

COMPARATIVE ADVANTAGES

- Utilises waste product PVC- waste to wealth approach.
- No adverse effect on environment.

SCALE OF DEVELOPMENT: Laboratory Scale



