

**GOVERNMENT OF INDIA**  
**MINISTRY OF HOUSING AND URBAN AFFAIRS**  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 2388**  
**TO BE ANSWERED ON AUGUST 03, 2023**  
**PIPE MATERIALS RECOMMENDED BY CPHEEO**

**NO. 2388. SHRI BASANTA KUMAR PANDA:**

**Will the Minister for HOUSING AND URBAN AFFAIRS be pleased to state:**

- (a) the different types of pipe materials recommended by the Central Public Health and Environmental Engineering Organisation (CPHEEO) for use in piped drinking water supply to the citizens;**
- (b) whether the CPHEEO has conducted any cost analysis of each pipe material for different sizes and if so, the details thereof; and**
- (c) whether any of the recommended pipe material being banned by any authority or law/Hon'ble NGT on health aspect and if so, the details thereof?**

**ANSWER**

**THE MINISTER OF STATE IN THE**  
**MINISTRY OF HOUSING AND URBAN AFFAIRS**  
**(SHRI KAUSHAL KISHORE)**

**(a) : The pipe materials such as Cast Iron (CI), Ductile Iron (DI), Galvanised Iron (GI), Steel pipes (MS), Asbestos Cement (AC), Reinforced Cement Concrete (RCC), Pre-stressed Concrete Pipes (PCP), Bar/Wire Wrapped Steel Cylinder (BWSC), Plastic Pipes {Polyvinyl Chloride (PVC), Oriented Polyvinyl Chloride (O-PVC), Chlorinated Polyvinyl Chloride (C-PVC), Unplasticized Polyvinyl Chloride (U-PVC)}, High Density Polyethylene (HDPE), Medium Density Polyethylene (MDPE), Glass Fibre Reinforced Plastic (GRP) which have got BIS specifications have been recommended by CPHEEO in the advisory on "Pipe Materials for Transmission of Water", issued by Ministry in July 2022.**

**(b) : CPHEEO has not conducted any cost analysis of pipe materials so far.**

**(c): No pipe material recommended in the aforementioned advisory has been banned by any authority so far.**

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