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**Policy letter No 02/2007**  
Directorate General Married  
Accommodation Project  
E-in-C's Branch,  
Integrated HQ of MoD (Army)  
Kashmir House, Raja Ji Marg,  
DHQ PO, New Delhi-110 011

21316/PIPES/P&S/ 130 /MAP

01 Mar 2007

All Executing Agencies (List A)  
All DEPMC and Review Consultants (List B)  
All Project Managers/Technical Advisers (List C)

### **USE OF uPVC PIPES IN MAP**

1. GI pipes are prone to corrosion and often require replacement after 15 – 20 years. Phenomenon of corrosion is more predominant in coastal areas and areas where water contains high total dissolved solids (TDS). With the steep rise in prices of steel, provisioning of GI pipes is not as cost effective as it was earlier. Moreover, with the advancement and development in polymer technology, polyethylene pipes have been widely accepted due to their low cost, higher durability, longer life and better hydraulic characteristics.

2. Accordingly after techno-economic evaluation by DG MAP Product Approval Committee, following specification/product for MAP Phase I have been approved: -

**Rainwater Pipes and Fittings.** uPVC pipes as per IS: 4985 of Finolex / Supreme / Jain Irrigation / Ori-Plast / Reliance are approved for incorporation in MAP works.

3. The EA or its deployed contractor along with the PMs/TAs will obtain a manufacturer's certificate confirming that the product has been tested as per the IS:4985 and ensure that the product meets all the desired standards. Also, the PM/TA will get a random check of the sample of the product, so obtained from the Contractor/the Firm through a Govt/NABL accredited Laboratory, in order to ensure receipt of quality product at site, for incorporation in the MAP works.

4. Executing Agencies / Consultants / PMs and TAs would ensure that quality / genuine products are incorporated and mandatory tests for assuring qualitative standard are carried out. Record of the same shall be maintained. Performance feedback shall be submitted by Project Managers/Technical Advisors during execution and defect liability period. Defects/discrepancy, difficulties noticed shall also be promptly reported to HQ DG MAP for considering continuation of the products for MAP Phase II.

5. For further technical details of the products, samples may be obtained in due course from the manufacturers as given at Appendix attached. Consequent to evaluation, approval of additional firms manufacturing above / identical products, shall be communicated.

6. Executing Agencies and Planning Teams of DG MAP are requested to ensure provisioning of uPVC pipes in the project DPRs. For projects where DPRs are approved, provisioning may please be ensured at tender stage. For projects where contracts have been concluded, changes shall be carried out on case-to-case basis, depending upon contractual implication, financial health, present progress of the project; in close coordination with and prior approval of Planning Team of DG MAP.

7. On issue of this policy letter, the previous policy letters issued vide DG MAP letter No. 21316/PIPES/P&S/42/MAP (Policy Letter No. 02/2005) dt 04 Feb 2005, amendment issued vide letter No. 21316/PIPES/P&S/62/MAP dt 22 Nov 2005, and policy letter No 21316/Pipes/P&S/127/MAP dt 17 Jan 2007 (Policy No 01/2007), are hereby superseded.

(Aalok Sood)  
Col  
Dir (Pol & Standardization)  
for DG MAP

**Encls:** Appendix

**Internal**

Plg Team 'A'  
Plg Team 'B'  
Contract Section Plg Team A  
Contract Section Plg Team B

} - for information and necessary action please.

DETAILS OF MANUFACTURERS

uPVC PIPES

1. M/s Finolex Ltd  
Bombay Pune Highway  
Pimpri, Pune
2. M/s The Supreme Industries Ltd  
518, Osian Building,  
12 Nehru Place,  
New Delhi-110 019  
(Fax No **011-26480699**)
3. M/s Jain Irrigation Systems Ltd  
Jain Plastic Park,  
P.O. Box 72,  
Jalgaon – 425 001  
(Fax No **0257-2258111/22**)
4. M/s ORI-PLAST Limited  
A-285, Defence Colony  
New Delhi-110 024  
(Fax No **011-51552025**)
5. M/s Reliance Industries Ltd  
Reliance house  
15, Walchand Hirachand Marg  
Ballard Estate, Mumbai-400 038  
(Fax No **022-30327399**)