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**Policy Letter No 22/2005**  
Directorate General Married  
Accommodation Project  
E-in-C's Branch, Army HQ  
Kashmir House,  
Rajaji Marg, DHQPO,  
New Delhi-110011

21316/PIPES/P&S/ 63 /MAP

27 Dec 2005

DG MAP List A, B & C

### **USE OF CPVC PIPES IN PLUMBING SYSTEM – MAP**

1. Further to Policy Letter No 02/2005 dated 04 Feb 2005 issued vide DG MAP letter No 21316/PIPES/P&S/42/MAP dated 04 Feb 2005.
2. Polyethylene pipes are widely being used in construction industry as a substitute to GI plumbing, which is prone to corrosion and requires replacement after 15-20 years. Hence, techno - economic evaluation has been carried out by DG MAP Product Approval Committee for use of polyethylene materials /products in plumbing systems.
3. It has been evaluated that CPVC plumbing system is corrosion resistant, has longer life, provides improved hydraulics & is simple in maintenance besides being energy efficient. The piping is rigid & durable, while jointing is as per standard engineering practice. The plumbing is cost effective both in terms of initial cost & life cycle cost
4. Accordingly, in addition to Para 2(b) of letter referred in Para 1 above, for internal plumbing/hot & cold water supply (upto 40mm dia); CPVC pipes SDR-11 (as per ASTM D- 2846) with CPVC specials (brass threaded) and CPVC cement solvent (confirming to ASTM F- 493) of ASTRAL/Saumya Polymer have been approved for incorporation in MAP. Manufacturers test certificate as per tests enumerated in IS:12235-1986 shall be insisted on delivery of material.
5. Executing Agencies / Consultants / Project Manager & Technical Advisor 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.
6. **Discount.** M/s Astral Polytechnik Pvt Ltd & Somya Polymer have offered a discount of 30% on their price list (exclusive of excise duty & local taxes) for CPVC plumbing system with a confirmation that price list shall remain valid for one year. If the company price list is revised after one year, the discount shall remain valid on new price list.
7. Further technical details of the products, samples may be obtained in due course from the manufacturers as given at Appendix A. Consequent to evaluation, approval of additional firms manufacturing above / identical products shall be communicated.

8. In partial modification to Para 6 of Policy Letter No 02/2005, 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.

9. No other change is there in above referred policy letter.

( R Rastogi )  
Col  
Dir (Policy & Standardization)  
for DG MAP

**Encls:** Appendix `A`

**Internal**

Plg Team `A`

Plg Team `B`

Contract Section Plg Team A & B

} - for information & necessary action please.