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Policy letter No. 01/2007
Directorate General Married
Accommodation Project (DG MAP)
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/ 129 /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 HDPE/MDPE 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: -

Water distribution system. Polyethylene pipes (PE-80/100 grade) upto 110mm dia shall be used in water distribution system / connection to the DUs. HDPE pipes as per IS: 4984-1995 of Reliance Industries/Duraline and MDPE pipes as per ISO 4427-1996 of Trustlene (Kimplas) / Duraline with compression/push fittings have been approved for incorporation. Pipe chosen shall be of pressure rating commensurate to GI pipe. In the case of buried pipes, crown of the pipe shall not be less than 70cm below G.L. For wider availability, upto 110mm dia Polyethylene pipes (PE-80/100 grade) i.e. HDPE pipes as per IS: 4984-1995 and MDPE pipes as per ISO: 4427-1996 of Jain Irrigation System Ltd, Jalgaon have also been 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 products have been tested, as per the IS: 4984-1995 for HDPE pipes and ISO: 4427-1996 for MDPE pipes. PM/TA must ensure that the product meets all the desired standards. Also, the PMs/TAs 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.

Contd....2/-

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. Further technical details of the products, samples may be obtained in due course from the manufacturers as given at Appendix attached. Consequent to the 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 HDPE / MDPE pipes in the project DPRs. For projects where DPRs are approved, provisioning may please be ensured at the tender stage. For projects where contracts have been concluded, changes shall be carried out on case-to-case basis, depending upon the 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

HDPE PIPES

1. M/s Reliance Industries Ltd Fax No: **022-30327399**
Reliance house
15, Walchand Hirachand Marg
Ballard Estate, Mumbai-400038

MDPE PIPES

2. M/s KIMPLAS (Trustlene) Piping Systems Ltd Fax No: **011-26561830**
Y-65, Hauz Khas
New Delhi-110 016

HDPE and MDPE PIPES

3. M/s Duraline India Pvt Ltd Fax No: **011-51716816**
A/10, Sanskrit Bhawan,
Aruna Asaf Ali Marg,
Qutab Institutional Area,
New Delhi-67
4. M/s Jain Irrigation Systems Ltd Fax No **0257-2258111/22**
Jain Plastic Park,
P.O. Box 72, Jalgaon – 425 001