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DELHI JAL BOARD : GOVT. OF NCT OF DELHI
OFFICE OF EXECUTIVE ENGINEER (PL)W-II
VARUNALAYA PHASE-I, KAROL BAGH, NEW DELHI.

No. DJB/EE(P)W-II/ Tech./2016/

25

Dated: 21-01-2016

Sub.- Guidelines for use of MS pipes (lined and coated)

As per existing instructional order by EE(P)W-I vide No. EE(P)W-I/2013/263-302 dated 27.02.2013, only MS pipes are to be considered for proposals involving above 1000 mm dia. pipes and either of the two MS or DI pipes can be considered for proposals involving sizes above 500 mm dia. to 1000 mm dia. as per requirement at site. Now, various lining/coating options on MS pipes have been reviewed for their suitability for laying under different conditions and following decisions have been taken and should be followed for all works/ estimates which are yet to be approved administratively.

1. MS pipes for water supply laid by trenchless method are to be with exterior epoxy coating and inside food grade epoxy coating of 450 micron thickness.
2. MS pipes for water supply laid by open cut method are to be with exterior coal-tar coating & wrapping and inside Cement mortar lining.
3. MS pipes for water supply laid above ground shall be with exterior epoxy coating and inside Cement mortar lining.
4. Thickness of MS plate/coil and cement mortar lining shall be adopted as follows:
 - a.

Internal dia of pipe (in mm)	Thickness of MS plate/coil (in mm)
150	4.5
200-300	5
350-500	6
600-800	8
900-1100	10
1200-1500	12
1600-1800	16
 - b.

Internal dia of pipe (in mm)	Thickness of cement mortar lining (in mm)
150-300	6
350-600	7
700-1100	9
1200-2500	12

Note:- Wherever MS pipes of higher thickness are required to be laid, design of thickness of plate/coil shall be got approved from planning.

In case of deviations in pipe material with respect to given sizes, approval of concerned Chief Engineer will be mandatory. While in case of deviation in coating/lining, approval of Member(WS) will be mandatory.

This issues with the approval of CE(Planning)Water.

All SEs

(with request to issue to all EEs)

EE(Planning)W-II

Copy to :

- 1 Secy. to CEO/Member(WS)/Member (Dr)/Member(F)/CVO
- 2 All CEs/Director(F&A)/Dir(Vig.)
- 3 EE(P)W-I/II/III/Dr./Colony/ EE(EDP) - for uploading on DJB website
- 4 Circular file/ Office copy

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