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evi	ew Docun	ent								
sic I	Details									
	Sectional Con	Sectional Committee No. & Title:			MED 17	- Chem	nical Engineerii	ng Pla	ants And Related Equip	ment
	IS No:				IS 8667 :	IS 8667 : 1977				
	Title:					r's data	sheet for cooli	ng to	wers for process industr	У
Date of Previous Review:			Septembe	er, 2018	8					
	Analysis Status of stand	ard(s), if	any from which as	ssistance had been drawn	in the formula	ition of	f this IS.			
S.No	o. Standar	Standard (No.) Stand		Whether the standar	rd has since	has since Major change		ges Action proposed		
1	-		-	-			-		Assistance has not been taken.	
S.No. Referr standa		d ds (No.)	Referred standards (Title)	Since revised IS no the corresponding	o. of refer	referred Standards since last review of		refe whic	nges in the rred standard ch are affecting the dard under review	Action proposed
				No entry r	made in this tab	le				
				e subject & scope of the strevision of existing Indi		reviev	wed (Internation	onal/i	regional/other	
S.No.		Standar	Standard (No.) Standard (Title)		Provisions that could be relevant while reviewing the IS		Action proposed			
1		-		-	-			No other national/international standard was found.		
5.4 1	Technical com	ments on t	the standard receiv	ved, if any.						
S.No. Source		Sour	rce	Clause of IS		Comment		Action proposed		

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	Manufacturer (Non-licensee)	Can be provided cooling Tower Specification in the purchaser datasheet as given in the following: 1.1 Type of Cooling Tower - Induced Draft , Counter Flow, Single Cell 1.2 Cooling Tower Form Factor- Circular 1.3 Cooling Tower Fills Type- Film type (Honeycomb rigid PVC) 2. Cooling Tower Duty 2.1 Heat Load- ≥ 9,60,000 Kcal/hr 2.2 Circulating Water Flow Rate- To be specified 2.3 Design Wet Bulb Temperature- 27 °C 2.4 Cold water temperature- 30 °C 2.5 Hot water temperature- 36 °C 2.6 Water Quality- Soft Water 3 Design 3.1 Evaporation Loss- ≤ 1.1 of Circulating Water Flow Rate 3.2 Drift Loss (MAX)- ≤ 0.05 of Circulating Water Flow Rate 3.3 Pumping Head Required- ≤ 4.5 kg/cm2 3.4 Fill volume- To be specified 3.5 Heat Transfer Area- To be specified 3.6 Noise Level- ≤ 85 dBA at 1 m distance 3.7 Air Flow Volume- To be specified 3.8 Fan Dia / No. of Blades- ≥ 2100 mm / 4 Nos (min) 3.9 Type of Fan- Axial Flow with Adjustable Pitch 3.10 Fan drive coupling- Direct drive 3.11 Static Pressure- ≤ 8 mm of WC 3.12 Motor Power/ Speed (RPM)- 10 HP / ≤ 720 RPM 3.13 Motor enclosure- IP 55 or better, Surface Cooled 3.14 Class of Insulation- F 3.15 Preferable Make- Siemens, ABB or Crompton 3.16 Water Inlet / Outlet size-150mm NB (min) 3.17 Overflow / Drain size- 50mm NB (min) 3.18 Make-up size-25mm NB (min) with float valve 4. Material of Construction 4.1 Frame Work- MS Hot Dip Galvanised. (H.D.G.) 4.2 Casing / Basin- FRP of ≥ 6 mm Thickness 4.3 Fill-Honeycomb rigid PVC 4.4 Fan Blades- FRP or Aluminium Alloy 4.5 Fan Hub-Aluminium 4.6 Fan Shaft- EN-8 4.7 Bolts, Nuts, Misc. Hardware- MS Hot Dip Galvanised. (H.D.G.)	-	The committee may consider the comment

5.6 Issu	5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.							
S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed			
	No entry made in this table							

5.7 Any consequential changes to be considered in other IS.							
S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted				
No entry made in this table							

Other Details							
6.	Any other observation:		The cooling tower purchase datasheet standard should be dropped because it is not widely used. Different industries prepare their purchase data sheets as per their requirements.				
7.	7. Upload Supporting Document(s)						
7.1	7.1 ARP Report		IS 8667 MED 17 report.docx				
7.2	7.2 Draft Document		No Document Uploaded				

Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:

8.

The committee may consider the above information while reviewing the IS