


CLAUSE NO.	TECHNICAL REQUIREMENTS		
4.06.10	Bird screen on top of tower	: 25 mm square made of GI/SS wire mesh of 16 gauge.	
4.06.11	Distribution Pipe (if any)	: Galvanised MS pipe.	
4.06.12	Accessories	a) Drain connection with isolation valve. b) Make up connection with ball – float valve, back up gate valve and a bypass with a gate valve for manual operation. c) Overflow connection. d) Equalizing connection to connect sump of all the towers wherever applicable. e) Access door in louvers/fan deck.	
5.00.00	BALANCE EQUIPMENT SPECIFICATION		
5.01.00	Centrifugal Pumps		
	a) Type	: Horizontal Centrifugal, Axially split type casing pump	
	b) Impeller	: Closed type	
	c) Material of Construction		
	i) Casing	: 2% Ni Cast Iron : IS:210 Gr. FG-260	
	ii) Impeller	: Bronze IS:318 Gr-2	
	iii) Wearing rings	: Bronze	
	iv) Shaft	: SS 316	
	v) Shaft sleeve	: SS 316	
	vi) Lantern ring	: Brass / Bronze	
	vii) Packing	: Asbestos free	
	viii) Base Plate	: Carbon steel as per IS:2062	
	ix) Speed	: Maximum 1500 rpm	
	x) Other requirements	: To refer to Annexure-I titled “Horizontal Pumps” of this sub section.	
EPC PACKAGE FOR PATRATU SUPER THERMAL POWER STATION EXPANSION PHASE-I (3X 800MW)			Sub Section-A-17 Air Conditioning System