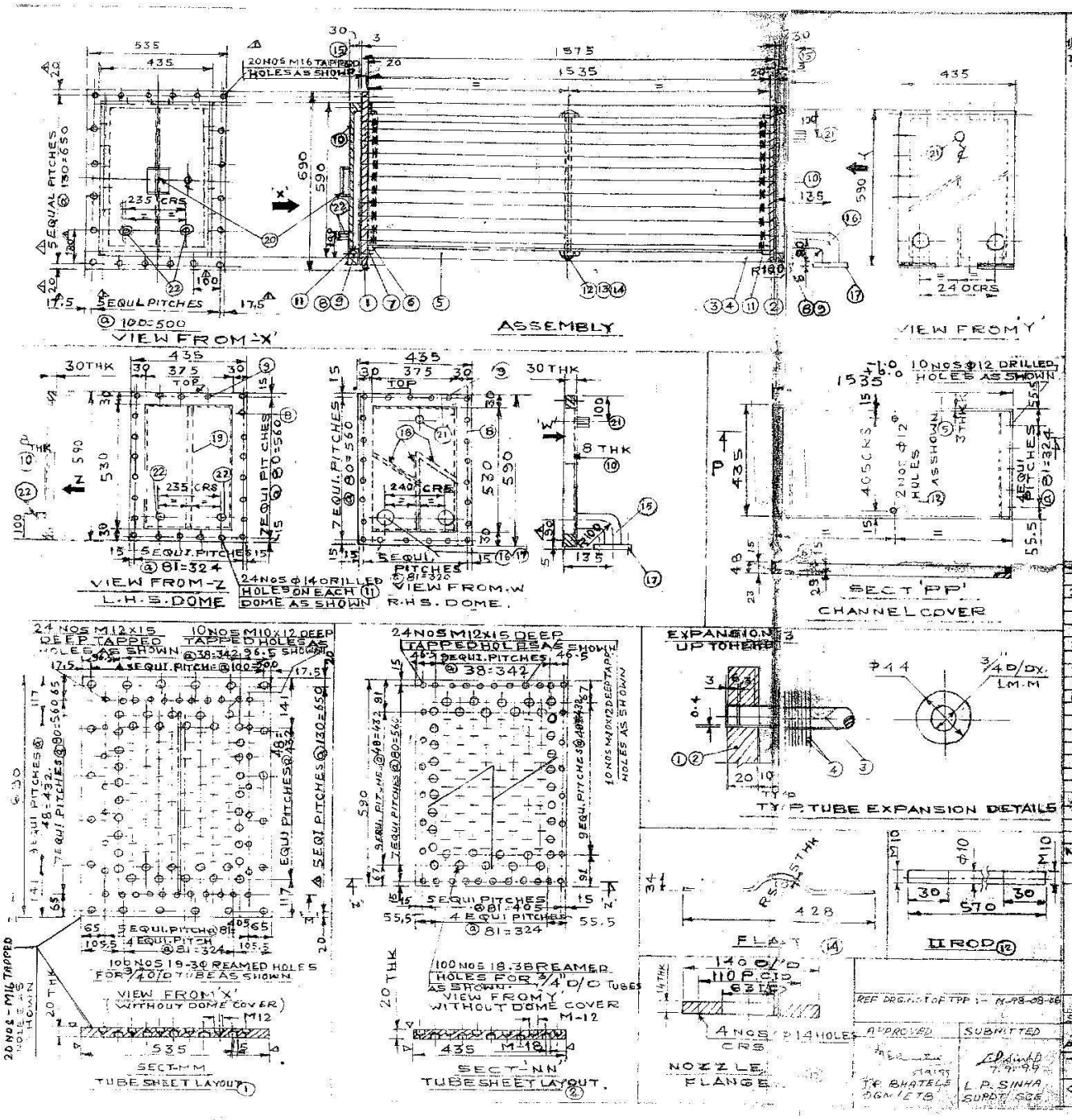

CAT. NO. 720.11.0268-B

1) GENERAL NOTE:-
2) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
3. WEIGHT: TOTAL WEIGHT OF COOLER 410K
4. FINNED TUBES WILL BE HOT DIP TINNED
5. OVER ALL SIZE: 1950 X 540 X 690.
6. HYDRAULIC TEST PRESSURE 5 Kg/cm² ON TUBE SIDE.
7. PAINTING: THE COOLER WILL BE PAINTED WITH EPOXY PAINT ON EXTERNAL ONLY.

TECHANICAL DATA

1	COOLING AIR CONSUMPTION	3.6 M^3/SEC
2	AIR COOLER TYPE NUMBER OF SECTIONS	2 PCS
3	COOLING WATER CONSUMPTION	17.5 M^3/HR
4.	MAXIMUM PERMISSIBLE TEMPERATURE OF WATER	43°C
5	AIR PRESSURE DROP IN COOLER.	18 MM H2O
6.	MAXIMUM PERMISSIBLE WATER PRESSURE	3 ATM
7	WATER OUT LET TEMPERATURE	45.5°C MAX
8	AIR IN LET TEMPERATURE	75°C
9.	AIR OUT LET TEMPERATURE	50°C

NO	DESCRIPTION	QTY	MAT	SIZE	REMARK
21	VENT/SOCKET WITH PLUG	1	M.S	1/4" BSP	
20	NAME PLATE & BRACKET	1	—	ACMC STD	
19	PARTITION PLATE	1	M.S	8 THK.	CUT TO SUIT
18	PARTITION PLATE	3	M.S	8 THK.	CUT TO SUIT
17	NOZZLE FLANGE	2	M.S	140 O/D X 63 I/D X 14 THK	
16	NOZZLE PIPE (WELDED)	2	151239 C/C	2" NB CL'C' X 270" LG	CUT TO SUIT
15	GASKETS	2	CAF	3 THK	
14	FLATS	2	M.S	5 THK X 50 WIDE X 480 LG	CUT TO SUIT
13	SPACERS	2	M.S	140/D X 12 I/D X 514 LG	
12	TIE ROD WITH 2 NUTS	2/4	M.S	Φ10 X 570 LS (M-10 NUT)	
11	STUD WITH 1 NUT	48	M.S	M12 X 70 LG	
10	COVER PLATE	2	M.S	530 X 375 X 8 THK	
9	FLATS	4	M.S	375 X 30 X 30	
8	FLATS	4	M.S	590 X 30 X 30	
7	BOLT WITH NUT WASH	20	M.S	M-10 X 20 LG	
6	ANGLE	4	M.S	140 X 40 X 5 THK X 4284	
5	CHANNEL COVER PL	2	M.S	1535 X 520 X 3 THK	
4	FINS (8 FINS/INCH)	AS REQD	COPPER	Φ44 X 34	
3	TUBES	100	AD BRASS	3/4" O/D X 1 MM THK X 1581 LG	
2	TUBE SHEET	1	60-40 HR BRASS	590 X 435 X 20 THK	
1	TUBE SHEET	1	60-40 HR BRASS	690 X 535 X 20 THK.	

BILL OF MATERIAL.

E-MIG-1192

REF DRG. NO. OF TPP :- M-98-08-08

APPROVED	SUBMITTED
T.P. BHATELE DGM/ETB	L.P. SINHA SUPDT/SCE

SCE BOKARO STEEL PLANT
SHOP/UNIT TPP/FEED PUMP
AIR COOLER FOR FEED PUMP MOTOR TYPE AZ-2000/6600T 6.6KV, 2000KW, 2985 RPM.
TRACED V. PRASAD 15/10 SC:-
CHECKED G.N. PATNAK SUPDT(E)/TPP
DRG NO. E-MIG-1192