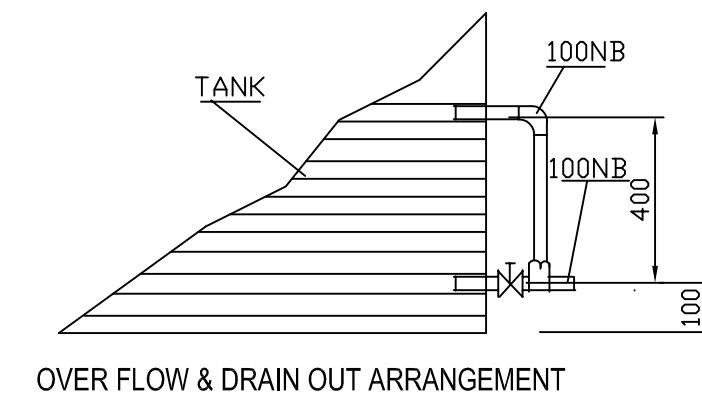




18	NON RETURN VALVE AT OILET OF PUMPS	150 NB- 2 NOS	APPRVD MAKE	CI
17	BRASS NOZZLES- $\frac{3}{8}$ " FEMALE THREAD- 3MM ORIFICE	2800 NOS	FLE	BRASS
	CONNECTION PIPES	LOTS	TATA	IS-1239/MS
15	Y- STRAINER- NB	300 NB- 1 - NO	FLE	CI
14	GATE VALVE AT BYPASS OF STRAINER	200 NB- 2NOS	APPRVD MAKE	CI
13	GATE VALVE AT INTLET OF PUMP -NB	200 NB- 1NO		
12	GATE VALVE AT OUTLET OF PUMP -NB	150 NB		
11	DRAINOUT SOCKET WITH GATE VALVE	100NB 1 NO		
10	QUICK FILL &MAKE UP SOCKET WITH GATE VALVE & FLOAT VALVE	100NB 1 +1NO		
9	CAT LADDER	8.5M LGX500 (W)	FLE	ISA-40X40X6
8	AIR DISTRIBUTOR LOUVRE- S- BEND	8.5MX8M (HX)75 MM	FLE	IS- 1079- MS
7	PUMP(4 W+1 S)-HORIZONTAL SPLIT CASING- AT 40 M HD-	250 CMH WITH MOTOR- 40 KW - 4 POLE	KSB/KIRLOSKAR /MATHER PLATT	
5	ACCESS DOOR	800X600- 2 NOS	FLE	MS
4	SPRAY SET PIPE	8.5 M LONG-100 NB- 6 NOS & VERTICAL MEMBERS WITH 65 NB PIPES	FLE	IS-1239
3	MIST ELIMINATOR	8500WX 8100 H X 200 D	FLE MM AQUA	 AL/PVC
2	TANK- CAP- 24 M3 AIR WASHER TANK - MASONRY	5700 L X 8500 W 600 H	BHEL	MASONRY
1	AIR WASHER CHAMBER - MASONRY	8500WX 8000 H X 5700 L	BHEL	MASONRY
SL NO	DESCRIPTION	CAP- 1000000 CMH	MAKE	MATERIAL
	CAPACITY & SYS.SL NOS.	CAPACITY & SYS. NOS.		

8 POCKETS
100X100X100 DEEP
1200
800
200 310 600 300 200
FOUNDATION PUMP AT + 150 LVL
225
F.F.L.
SEC.-ELV AT H-H

378
390
210
200 310 600 300 200
1610
800
200 350 200

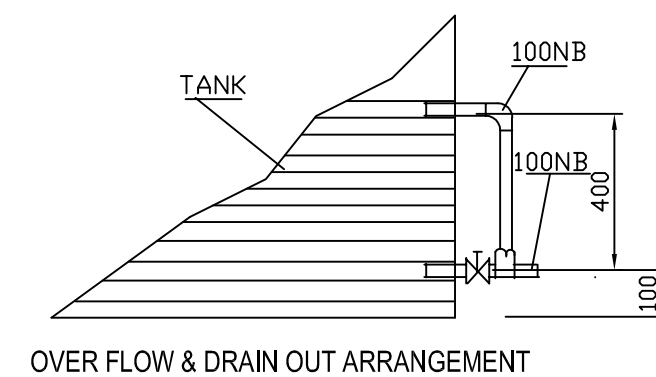
AIR WASHER HORIZONTAL SPLIT CASING PUMPS (1W + 1S)

SLD PIPE FOR AIR WASHER

PIPE SIZING SHALL BE AS PER GS-02

1	T G BLDG		1000000	15	90	4	FAW-1000	300NB	100NB	100 NB	100NB	100NB	5000 APPROX.	23000
SL NO	PREMISES	SYS. NO	AIR CAP CMH	PRESS. DROP MM WG	SAT EFF %	VEL M/SEC	MODEL	DEL PIPE	QUICK FILL	OVER FLOW	MAKE UP	DRAIN OUT	WT(KGS) OF PIPES, VALVES & NOZZLES	WT(KGS) OF WATER

CATEGORY OF DRG.		APPROVAL ✓		INFORMATION		RECORD		REFERENCE	
CUSTOMER :		ISCO STEEL PLANT, BURNPUR, WB 2.5 MTPA NEW STREAM EXPANSION							
CONSULTANT :		MECON LIMITED मेकॉन लिमिटेड							
JOB NO:		ISP-BHEL-IXO11-009-27-DE-00005							
TYPE OF PRODUCT		POWER & BLOWING STATION STEEL AUTHORITY OF INDIA							
OR		ISCO STEEL PLANT, BURNPUR							
NAME OF CUSTOMER/PROJECT		भारत भारती BHARAT HEAVY ELECTRICALS LTD. HYDERABAD							
DEPT.	UNTL. DIMS. GR. C/M/M/F		SCALE NTS	WEIGHT KG	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEMS	REV.	
CODE				-NA-	-NA-	-NA-	-NA-	00	
TITLE				CARD CODE	DRAWING NO. S10-24507/GA/AW-100000-RO				REV. 00
GA DRAWING FOR AIR WASHER				NA	SHT. NO. 01				NO. OF SHT. 01



UNION FLANGE FITTINGS SHALL BE PROVIDED
IN RECIRCULATING PIPELINE NEAR VALVES
PIPE FITTINGS FOR MAINTENANCE
DESIGN PARAMETERS:
SATURATION EFFICIENCY-90%
PRESSURE DROP-15MMWG
FACE VELOCITY ACROSS AIR WASHER 3.7 M/SEC
ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED

NOTES:

18	NON RETURN VALVE AT OITLET OF PUMPS	100 NB- 2 NOS	APPRVD MAKE	CI
17	BRASS NOZZLES- $\frac{3}{8}$ " FEMALE THREAD- 3MM ORIFICE	700 NOS	FLE	BRASS
	CONNECTION PIPES	LOTS	TATA	IS-1239
15	Y- STRAINER- NB	200 NB- 1 - NO	FLE	CI
14	GATE VALVE AT BYPASS OF STRAINER	200 NB- 2NOS	APPRVD MAKE	CI
13	GATE VALVE AT INTLET OF PUMP -NB	200 NB- 1NO		
12	GATE VALVE AT OUTLET OF PUMP -NB	150NB		
11	DRAINOUT SOCKET WITH GATE VALVE	100NB 1 NO		
10	QUICK FILL &MAKE UP SOCKET WITH GATE VALVE & FLOAT VALVE	80NB 1 +1NO		
9	CAT LADDER	5M LGX500 (W)	FLE	ISA-40X40X6
8	AIR DISTRIBUTOR LOUVRE- S- BEND	5MX3.6M	FLE	IS- 1079- MS
7	PUMP(1W+1 S)-HORIZONTAL SPLIT CASING- AT 40 M HD	250 CMH WITH MOTOR- 40 KW - 4 POLE	KSB/KIROSOKAR /MATHER PLATT	
5	ACCESS DOOR	800X600- 2 NOS	FLE	MS
4	SPRAY SET PIPE	5 M LONG-80 NB- 3 NOS & VERTICAL MEMBERS WITH 65 NB PIPES	FLE	IS-1239
3	MIST ELIMINATOR	5000WX 3700 H X 200 D	FLE	
			MM AQUA	AL/PVC
	TANK- CAP- 13.5 M3	5300 L X 5000 W 600 H	BHEL	MASONRY
2	AIR WASHER TANK - MASONRY			
1	AIR WASHER CHAMBER - MASONRY	5000WX 3600 H X 5300 L	BHEL	MASONRY
SL NO	DESCRIPTION	CAP- 240000 CMH	MAKE	MATERIAL
	CAPACITY & SYS.SL NOS.	CAPACITY & SYS. NOS.		

8 POCKETS
1200
100X100X100 DEEP
55 350 155
200 310 600 300 200
800
H-H

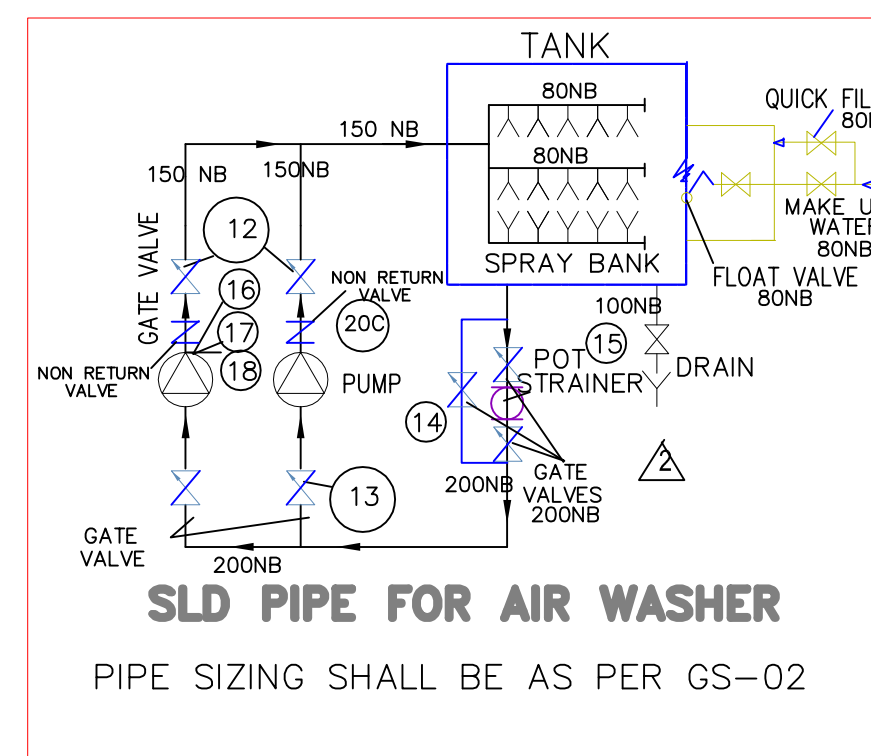
FOUNDATION PUMP AT + 150 LVL

FFL

SEC.-ELV AT H-H

378
210
390
200 310 600 300 200
225
1610
800
200 350 200

AIR WASHER HORIZONTAL SPLIT CASING PUMPS (1W + 1S)



TECHNICAL SPECIFICATION

1	PREMISES		240000	15	90	3	FAW-240	200NB	80NB	80 NB	80NB	100NB	3500 APPROX	13000
SL NO	PREMISES	SYS. NO	AIR CAP CMH	PRESS. DROP MM WG	SAT EFF %	VEL M/SEC	MODEL	DEL PIPE	QUICK FILL	OVER FLOW	MAKE UP	DRAIN OUT	WT(KGS) OF PIPES, VALVES & NOZZLES	WT(KGS) OF WATER

CATEGORY OF DRG.		APPROVAL ✓		INFORMATION		RECORD		REFERENCE	
CUSTOMER :		IISCO STEEL PLANT, BURNPUR, WB 2.5 MTPA NEW STREAM EXPANSION							
CONSULTANT :		MECON LIMITED मेकॉन लिमिटेड							
JOB NO: ISP-BHEL-IX011-009-27-DE-00005									
TYPE OF PRODUCT OR		POWER & BLOWING STATION STEEL AUTHORITY OF INDIA IISCO STEEL PLANT, BURNPUR							
NAME OF CUSTOMER/PROJECT									
भारतीय BHEL		BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN. D. MUKHERJEE CHD. S. BARMAN APPD. P. K. SARKAR		SIGN.		NO/D VAR.	
SEPT.		UNITS DIM. G/MMMF		SCALE NTS		WEIGHT (KG) -NA-		REF. TO ASSY. DRG. -NA-	
CODE						ITEM NO -NA-		ITEMS -NA-	
TITLE		CARD CODE NA		DRAWING NO. S10-24507/GA/NA-240000/R0 SHT NO. 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100					
GA DRAWING FOR AIR WASHER									