



LEGEND	
PIPE NUMERIC CODING	
XXX-ABCD-123-BBB	
IH1	= HOT INSULATION FOR WITH AL. CLADDING
IH2	= HOT INSULATION FOR WITH SS 304 CLADDING
IC1	= COLD INSULATION FOR WITH AL CLADDING
A1A	= CS ERW PIPE
A1B	= GALVANISED IRON (GI) PIPE
B2A	= CS SEAMLESS PIPE (IBR)
A1D	= SS-304
A1E	= SS-316
A1F	= SS-316L
A1A1	= CS ERW PIPE EPOXY PAINTED
AV	= Air Vent
CW	= Cooling Water
CHW	= Chilled Water
CHB	= Chilled Brine
LPS	= Low Pressure Steam
HPS	= High Pressure Steam
MPS	= Medium Pressure Steam
FO	= Furnace oil
NI	= Nitrogen
COND	= Condensate
CA	= Compressed Air
PIPE Ø IN NB	

LEGEND SYMBOL

	BALL VALVE		CONTROL VALVE, PRESSURE REDUCING
	NON RETURN VALVE (CHECK VALVE)		TEMPERATURE INDICATOR
	ECCENTRIC REDUCER		PRESSURE TRANSMITTER
	CONCENTRIC REDUCER		PRESSURE INDICATOR
	SAFETY RELIEF VALVE		FLANGES
	BALANCING VALVE		AIR FILTER,REGULATOR & LUBRICATOR
	PRESSURE GAUGE		AIR FILTER & REGULATOR
	TEMPERATURE GAUGE		0.2 MICRON FILTER
	AIR VENT		DIFFERENTIAL PRESSURE GAUGE
	TEMPERATURE ELEMENT		ONLINE DEW POINT METER
	TEMPERATURE TRANSMITTER		
	SAMPLING		

01	01.04.2014	SAPL	SMBY	UPDATED AS PER COMMENTS DATED 31.03.2014						
Rev.	Date	Changed	Checked	Kind of revision				No. Of Prints	Date Issued To	
File name :								<div>nne pharmaplan</div> <div>NNE Pharmaplan India Limited</div> <div>#12, Achiah Shetty Layout, Bangalore - 560 080., INDIA.</div>		
Originated From Drg. No :										
Project: <div>HLL BIOTECH LIMITED INTEGRATED VACCINES COMPLEX</div>				Project No.: 120310						
				Location CHENGALPATTU						
Description: <div>COMPRESSED AIR GENERATION & DISTRIBUTION SCHEMATIC</div>								Date	Name	
								Drawn	17.06.2013	SPP
								Checked	18.06.2013	BTGV
								Approved	19.06.2013	SLMU/DEAV
								Scale-NTS	Units : mm	Size : A3
								Drawing no: NPI/120310/UTL(SCH)/S1/03		Rev. 01

AIR COMPRESSOR VENDORS SCOPE