



**NTPC NORTH KARANPURA STTP
(2X660 MW)**

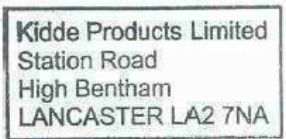


TITLE OF THE DRAWING / DOCUMENT	QAP FOR INERT GAS FIRE EXTINGUISHING SYSTEM
BHEL DRG NO	PESD-FPS-2-QAP-05
NTPC DRG No	4410-001-151-QVM-Q-003

4	28/03/17	FOR APPROVAL	SKS		Signature Not Verified		VVN	Sd	
3	15/03/17	FOR APPROVAL	SKS		Bibek Kumar		VVN	Sd	
2	17/ 02/ 2016	FOR APPROVAL	SKS		KPP	Reason: CAT I	VVN	Sd	
1	16/ 12/ 2016	FOR APPROVAL	SKS		KPP	Location: NTPCEOC	Sd	VVN	
0	1/ 11/ 2016	FOR APPROVAL	SKS		KPP	Sd	VVN	Sd	
REV NO.	DATE	STATUS	INITIALS	SIGN	INITIALS	SIGN	INITIALS	SIGN	
			PRPD. BY		CHKD. BY		APPRD. BY		
PROJECT: NTPC NORTH KARANPURA									REV 4
					Date: 28/03/17				

		MANUFACTURE'S NAME AND ADDRESS:KIDDE PRODUCTS LIMITED, STATION ROAD, HIGH BENTHAM , LANCASTER LA2 7NA.			MANUFACTURING QUALITY PLAN				PROJECT :Inert Gas System,Super Thermal Power Project-(NTPC)- North Kharan pura-Tandwa-Jharkhand PACKAGE :FIRE FIGHTING PACKAGE CONTRACT NO. :CS-4410-001 MAIN CONTRACTOR : BHEL				
					ITEM : INERT GAS SYSTEM SUB-SYSTEM: NA		QAP NO:AFP/359/092016/9483 REV.NO: 04 DATE:27/03/2017 PAGE: 1 OF 2						
SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY				REMARKS
									D	M	C	N	
1	2	3	4	5	6	7	8	9	10				11
A	IMPORTED ITEMS												
1	Inergen Cylinders 300Bars	Chemical & Phisical Properties, Visual, Dimension, Empty Weight, Filled Weight, Test Pressure	Major	Visual, Dimension, Working Pressure, Test Pressure, Leak Test, Chemical & Physical Properties Test	100%	Approved Drawing / Data sheet, LPCB	Approved Drawing / Data sheet, LPCB	1. EN 10204.3.1 2. Manufacturer's test Certificate 3. Cylinder Filling Certificate	√	P	V	V	
	Cylinder Valve 300Bars	Visual , Dimensional & Pressure Test, Leak Test	Major	Visual , Dimensional & Pressure Test, Leak Test	100%	Approved Drawing / Data sheet, LPCB	Approved Drawing / Data sheet, LPCB	1. EN 10204.2.2 2. Inspection Report / Certificate					Declaration of Conformity
	Cylinder filled complete with Valve	Review of Explosion Certificate						CCOE Certificate	√		V	V	License to import filled Cylinder by Kidde India
2	Discharge Hose- 1/2 X 400mm	Visual, Dimension, Test Pressure, Burst Pressure	Major	Visual, Dimension, Test Pressure	5% sample inspection	Approved Drawings	Approved Drawings / Data Sheet / LBCB Listing	1. EN 10204.2.2 2. Inspection Report / Certificate	√	P	V	V	Declaration of Conformity
3	Non-Return Valve	Visual , Dimensional , Pressure Test & Functional Test	Major	Pressure and Leak Test	5% sample inspection	Approved Drawings	Approved Drawings / Data Sheet / LBCB Listing	1. EN 10204.2.2 2. Inspection Report / Certificate	√	P	V	V	
4	HI Flex Pilot Hose	Work Pressure 300 Bar Test Pressure 555 Bar Burst Pressure 1600 Bar	Major	Visual, Measurement, In production pressure test	5% sample inspection	Approved Drawings	Approved Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	√	P	V	V	
5	Tee piece for actuation line	Visual , Dimensional , Pressure Test & Functional Test	Major	Pressure and Leak Test	5% sample inspection	Approved Drawings	Approved Drawings / Data Sheet / LBCB Listing	1. EN 10204.2.2 2. Inspection Report / Certificate	√	P	V	V	
6	Contact Pressure Gauge Release Unit	Work Pressure 300 Bar Test Pressure 555 Bar Current Solenoid Valve 24V DC	Major	Visual, Working Pressure, S/P, 240 Bar verification, Open Close Verification	100%	Approved Drawings	Approved Drawing / Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	√	P	V	V	
7	Contact Pressure Gauge Unit	Visual, Dimension, Test Pressure, Leak test	Major	Visual, Pressure Test, Leak Test	100%	Approved Drawings	Approved Drawing / Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	√	P			



		MANUFACTURE'S NAME AND ADDRESS: KIDDE PRODUCTS LIMITED, STATION ROAD, HIGH BENTHAM , LANCASTER LA2 7NA.			MANUFACTURING QUALITY PLAN				PROJECT : Inert Gas System,Super Thermal Power Project-(NTPC)- North Kharan pura-Tandwa-Jharkhand PACKAGE : FIRE FIGHTING PACKAGE CONTRACT NO. : CS-4410-001 MAIN CONTRACTOR : BHEL				
					ITEM : INERT GAS SYSTEM SUB-SYSTEM: NA		QAP NO: AFP/359/092016/9483 REV.NO: 04 DATE: 27/03/2017 PAGE: 2 OF 2						
SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY				REMARKS
									D	M	C	N	
1	2	3	4	5	6	7	8	9	10				11
8	Pressure Relief Device	Visual, Dimension, Test Pressure, Leak test	Major	Visual, Pressure Test, Leak Test	100%	Approved Drawings	Approved Drawing / Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
9	Ball Valve	Visual, Dimension, Test Pressure, Leak test	Major	Visual, Pressure Test, Leak Test & Operation	100%	Approved Drawings	Approved Drawing / Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
10	Pilot Manifold for Diverter 4 & 3 Valve	Visual, Dimension, Test Pressure, Leak test	Major	Visual, Pressure Test, Leak Test	100%	Approved Drawings	Approved Drawing / Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
11	Pressure Operated Switch	Visual, Dimension, Test Pressure	Major	Visual, Pressure Test, Leak Test & Electrical functional test	100%	Approved Drawings	Approved Drawing / Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
12	Leak Valve for Pilot Line	Visual, Dimension, Test Pressure, Leak test	Major	Visual, Pressure Test, Leak Test	100%	Approved Drawings	Approved Drawing / Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
13	Discharge Nozzle Assembly	Visual, Dimension, Test Pressure, Leak test	Major	Mesurement & Pressure Test	100%	Approved Data sheet	Approved Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
14	Orifice Plate & Restricted Assembly	Visual & Dimensional	Major	Visual & Measurement	100%	Approved Data sheet	Approved Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
15	Warning Sign	Visual & Dimensional	Major	Review of Documents	100%	Approved Data sheet	Approved Data sheet	1. EN 10204.2.2 2. Inspection Report / Certificate	✓	P	V	V	
  KIDDE SEAL & SIGN		LEGEND: M: MANUFACTURER/SUB-SUPPLIER C: MAIN SUPPLIER, N: NTPC P: PERFORM W: WITNESS V: VERIFICATION R:REVIEW Tick in D column Inspection report / certificate will provide to client for review					 FOR NTPC USE	DOC. NO.: _____ REV..... CAT.....					
								REVIEWED BY	APPROVED BY	APPROVAL SEAL			

