C	OEP LOGO	PROJECT, IN	ISTRUMENT INDEX		ject No Date- 21.10.2022			CLIENT	NAME	
O TAG NO.	NAME OF INSTRUMENT	APPLICATION	INSTRUMENT INDEX LOCATION	P&ID NO.	RANGE	UNIT	DATASHEET NO	PART NO	QTY	REMARK
TE-103	RTD RTD	MDC OULET TEMPERATURE MEASUREMENT MDC OULET TEMPERATURE MEASUREMENT	AFTER DULITION DAMPER DP-2A, DP-2B AFTER DULITION DAMPER DP-2A, DP-2B		LATER LATER	DEG. C.	UDB501I740 UDB501I740		1 1	
M-103	POSITION TRANSMITTER  MOTORIZED ACUATOR  TORQUE SWITCH HIGH	DP-2A MODULATING DILUTION DAMPER A  DP-2A MODULATING DILUTION DAMPER CONTROL  DP-2A MODULATING DILUTION DAMPER, TORQUE MONI.	DILUTION DAMPER, DP-2A DILUTION DAMPER, DP-2A DILUTION DAMPER, DP-2A		LATER LATER LATER	% NA NA			1 1 1	
ZT-104	TORQUE SWITCH LOW POSITION TRANSMITTER MOTORIZED ACUATOR	DP-2A MODULATING DILUTION DAMPER, TORQUE MONI.  DP-2B MODULATING DILUTION DAMPER B  DP-2B MODULATING DILUTION DAMPER CONTROL	DILUTION DAMPER, DP-2A DILUTION DAMPER, DP-2B DILUTION DAMPER, DP-2B		LATER LATER LATER	NA % NA			1 1 1	
M-104-TSH M-104-TSL	TORQUE SWITCH HIGH TORQUE SWITCH LOW PRESSURE TRANSMITTER	DP-2B MODULATING DILUTION DAMPER, TORQUE MONI.  DP-2B MODULATING DILUTION DAMPER, TORQUE MONI.  MDC OULET PRESSURE MEASUREMENT	DILUTION DAMPER, DP-2B DILUTION DAMPER, DP-2B BEFORE ID FAN		LATER LATER LATER	NA NA mmWC			1 1 1	
TE-113 ZSO-102	RTD POSITION SWITCH OPEN	MDC OULET TEMPERATURE MEASUREMENT DP-1 OULET POSITION MONITORING	BEFORE ID FAN  VENT DAMPER, DP-1, ON/OFF		LATER LATER	DEG. C.			1 1	
M-102	POSITION SWITCH CLOSE  MOTORIZED ACUATOR  TORQUE SWITCH HIGH	DP-1 OULET POSITION MONITORING  DP-1 ,MDC HOT GAS INLET VENT CONTROL  DP-1 ,MDC HOT GAS INLET VENT DAMPER, TORQUE MONI.	VENT DAMPER, DP-1, ON/OFF  VENT DAMPER, DP-1, ON/OFF  VENT DAMPER, DP-1, ON/OFF		LATER LATER LATER	NA NA NA			1 1	
M-102-TSL ZSO-106A	TORQUE SWITCH LOW POSITION SWITCH OPEN	DP-1 ,MDC HOT GAS INLET VENT DAMPER, TORQUE MONI.  DP-4A ID FAN DISCHARGE ON-OFF DAMPER POSITION MONI.	VENT DAMPER, DP-1, ON/OFF DAMPER, DP-4A, ON/OFF		LATER LATER	NA NA			1 1	
M-106A	POSITION SWITCH CLOSE  MOTORIZED ACUATOR  TORQUE SWITCH HIGH	DP-4A ID FAN DISCHARGE ON-OFF DAMPER POSITION MONI.  DP-4A ID FAN DISCHARGE ON-OFF DAMPER CONTROL  DP-4A, ID FAN DISCHARGE DAMPER, TORQUE MONI.	DAMPER, DP-4A, ON/OFF  DAMPER, DP-4A, ON/OFF  DAMPER, DP-4A, ON/OFF		LATER  LATER  LATER	NA NA NA			1 1 1	
	TORQUE SWITCH LOW PRESSURE TRANSMITTER	DP-4A, ID FAN DISCHARGE DAMPER, TORQUE MONI.  ID FAN DISCHARGE PRESSURE CONTROL	DAMPER, DP-4A, ON/OFF BEFORE , DAMPER, DP-4A		LATER LATER	NA mmWC			1 1	
ZT-105A	PRESSURE TRANSMITTER POSITION TRANSMITTER MOTORIZED ACUATOR	ID FAN DISCHARGE PRESSURE CONTROL  DP-3A, ID FAN SUCTION DAMPER  DP-3A, ID FAN SUCTION DAMPER CONTROL	BEFORE ,DAMPER,DP-4A  AFTER ,DAMPER,DP-3A  AFTER ,DAMPER,DP-3A		LATER LATER LATER	mmWC % NA			1 1	
M-105A-TSL	TORQUE SWITCH HIGH TORQUE SWITCH LOW POSITION SWITCH OPEN	DP-3A, ID FAN SUCTION DAMPER, TORQUE MONI.  DP-3A, ID FAN SUCTION DAMPER, TORQUE MONI.  DP-4B ID FAN DISCHARGE ON-OFF DAMPER POSITION MONI.	AFTER ,DAMPER,DP-3A  AFTER ,DAMPER,DP-3A  DAMPER,DP-4B, ON/OFF		LATER LATER LATER	NA NA NA			1 1 1	
ZSC-106B M-106B	POSITION SWITCH CLOSE MOTORIZED ACUATOR	DP-4B ID FAN DISCHARGE ON-OFF DAMPER POSITION MONI. DP-4B ID FAN DISCHARGE ON-OFF DAMPER CONTROL	DAMPER,DP-4B, ON/OFF DAMPER,DP-4B, ON/OFF		LATER LATER	NA NA			1	
M-106B-TSL	TORQUE SWITCH HIGH TORQUE SWITCH LOW PRESSURE TRANSMITTER	DP-4B, ID FAN DISCHARGE DAMPER, TORQUE MONI.  DP-4B, ID FAN DISCHARGE DAMPER, TORQUE MONI.  ID FAN DISCHARGE PRESSURE CONTROL	DAMPER,DP-4B, ON/OFF  DAMPER,DP-4B, ON/OFF  BEFORE ,DAMPER,DP-4B		LATER LATER LATER	NA NA mmWC			1 1	
ZT-105B	PRESSURE TRANSMITTER POSITION TRANSMITTER MOTORIZED ACUATOR	ID FAN DISCHARGE PRESSURE CONTROL  DP-3B, ID FAN SUCTION DAMPER  DP-3B, ID FAN SUCTION DAMPER CONTROL	BEFORE ,DAMPER,DP-4B  AFTER ,DAMPER,DP-3B  AFTER ,DAMPER,DP-3B		LATER  LATER  LATER	mmWC % NA			1 1	
	TORQUE SWITCH HIGH TORQUE SWITCH LOW	DP-3B, ID FAN SUCTION DAMPER, TORQUE MONI.  DP-3B, ID FAN SUCTION DAMPER, TORQUE MONI.	AFTER ,DAMPER,DP-3B  AFTER ,DAMPER,DP-3B  AFTER ,DAMPER,DP-3B		LATER  LATER  LATER	NA NA			1 1	
WTD-101A2	RTD RTD RTD	M-101 R PHASE TEMP. MONITORING M-101 Y PHASE TEMP. MONITORING M-101 B PHASE TEMP. MONITORING	M-101, R PHASE M-101, Y PHASE M-101, B PHASE		LATER LATER LATER	DEG. C. DEG. C.			1 1 1	
BTD-DE-101A BTD-NDE-101A	RTD RTD	M-101 BEARING TEMP. MONITORING, DE M-101 TEMP. MONITORING, NDE	M-101, DE M-101, NDE		LATER LATER	DEG. C.			1 1	
DE-Y-101A	VIBRATION TRANSMITTER VIBRATION TRANSMITTER VIBRATION TRANSMITTER	M-101 X-AXIS DE VIBRATION MONITORING, DE  M-101 Y-AXIS DE VIBRATION MONITORING, DE  M-101 X-AXIS NDE VIBRATION MONITORING, NDE	M-101, X-AXIS, DE M-101, Y-AXIS, DE M-101, X-AXIS, NDE		LATER  LATER  LATER	NA NA NA			1 1 1	
NDE-Y-101A WTD-101B1	VIBRATION TRANSMITTER RTD	M-101 Y-AXIS NDE VIBRATION MONITORING,NDE M-101 R PHASE TEMP. MONITORING	M-101, Y-AXIS, NDE M-101, R PHASE		LATER LATER	LATER DEG. C.			1 1	
	RTD RTD RTD	M-101 Y PHASE TEMP. MONITORING M-101 B PHASE TEMP. MONITORING M-101 BEARING TEMP. MONITORING, DE	M-101, Y PHASE M-101, B PHASE M-101, DE		LATER  LATER  LATER	DEG. C. DEG. C. DEG. C.			1 1 1	
	RTD VIBRATION TRANSMITTER VIBRATION TRANSMITTER	M-101 TEMP. MONITORING, NDE  M-101 X-AXIS DE VIBRATION MONITORING, DE  M-101 Y-AXIS DE VIBRATION MONITORING, DE	M-101, NDE M-101, X-AXIS,DE M-101, Y-AXIS, DE		LATER LATER LATER	DEG. C. NA NA			1 1 1	
NDE-X-101B NDE-Y-101B	VIBRATION TRANSMITTER VIBRATION TRANSMITTER	M-101 Y-AXIS DE VIBRATION MONITORING, DE  M-101 Y-AXIS NDE VIBRATION MONITORING, NDE  M-101 Y-AXIS NDE VIBRATION MONITORING, NDE	M-101, X-AXIS, NDE M-101, Y-AXIS, NDE		LATER LATER	NA NA LATER			1 1	
ZSO-107	PRESSURE TRANSMITTER POSITION SWITCH OPEN POSITION SWITCH CLOSE	FLUE GAS PRESSURE FOR VENT DAMPER CONTROL  DP-5 VENT DAMPER POSITION MONITORING  DP-5 VENT DAMPER POSITION MONITORING	BEFORE FLOW MEASUREMENT,FE-101  VENT DAMPER,DP-5, ON/OFF  VENT DAMPER,DP-5, ON/OFF		LATER LATER LATER	MMWC NA NA			1 1 1	
M-107 M-107-TSH	MOTORIZED ACUATOR TORQUE SWITCH HIGH	DP-5, RECT. DUCT VENT CONTROL DP-5, RECT. DUCT VENT DAMPER, TORQUE MONI.	VENT DAMPER, DP-5, ON/OFF VENT DAMPER, DP-5, ON/OFF		LATER LATER	NA NA			1 1	
M-107-TSL FE-101	TORQUE SWITCH LOW VENTURI	DP-5, RECT. DUCT VENT DAMPER, TORQUE MONI.  HOT GAS FLOW MONITORING	VENT DAMPER, DP-5, ON/OFF  HOT GAS FLOW LINE		LATER LATER	M^3//Hr			1	Flow@Min/Nor/N
	DIFF.PRESSURE TRANSMITTER	HOT GAS FLOW MONITORING	HOT GAS FLOW LINE		LATER	mmWC			1	_
PT-112	PRESSURE TRANSMITTER PRESSURE TRANSMITTER	HOT GAS LINE TEMPERATURE MONITORING  CF1, HOT GAS INLET PRESSURE MONITORING  CF1, HOT GAS INLET PRESSURE MONITORING	HOT GAS FLOW LINE  BEFORE CF1, IN BRANCH DUCT  BEFORE CF1, IN BRANCH DUCT		LATER LATER LATER	DEG. C. mmWC mmWC			1 1 1	
TE-105B	RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 1, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 1, DAMPER APPL.	BUNKER CF1 BUNKER CF1		LATER LATER	DEG. C.			1 1	
TE-105D	RTD LEVEL TRANSMITTER	COKE TEMP. MEASUREMENT AT BUNKER 1, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 1, DAMPER APPL.  BUNKER-1 COKE LEVEL MEASUREMENT INTERLOCK	BUNKER CF1 BUNKER CF1 BUNKER CF1		LATER LATER LATER	DEG. C. DEG. C. NA			1 1	
ZT-108	LEVEL TRANSMITTER POSITION TRANSMITTER MOTORIZED ACUATOR	BUNKER-1 COKE LEVEL MEASUREMENT INTERLOCK  DP-6, GAS INLET TO CF1  DP-6, GAS INLET CONTROL,CF1	BUNKER CF1  CF1 INLET DAMPER, DP-6  CF1 INLET DAMPER, DP-6		LATER LATER LATER	NA % NA			1 1 1	
M-108-TSH M-108-TSL	TORQUE SWITCH HIGH TORQUE SWITCH LOW	DP-6, GAS INLET TO CF1, TORQUE MONI. DP-6, GAS INLET TO CF1, TORQUE MONI.	CF1 INLET DAMPER, DP-6 CF1 INLET DAMPER, DP-6		LATER LATER	NA NA			1 1	
_	RTD RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 1, SPRAY WATER  COKE TEMP. MEASUREMENT AT BUNKER 1, SPRAY WATER  COKE TEMP. MEASUREMENT AT BUNKER 1, SPRAY WATER	BUNKER CF1 BUNKER CF1 BUNKER CF1		LATER LATER LATER	DEG. C. DEG. C. DEG. C.			1 1	
SOV-112	RTD SOLENOID VALVE POSITION SWITCH OPEN	COKE TEMP. MEASUREMENT AT BUNKER 1, SPRAY WATER  CF1, SOV FOR WATER SPRAY CONTROL  SOV-112 POSITION MONITORING	BUNKER CF1 SPRAY WATER LINE,CF1 SPRAY WATER LINE,CF1		LATER LATER LATER	DEG. C. NA NA			1 1	
ZSC-112 PT-115	POSITION SWITCH CLOSE PRESSURE TRANSMITTER	SOV-112 POSITION MONITORING CF2, HOT GAS INLET PRESSURE MONITORING	SPRAY WATER LINE,CF1 BEFORE CF2, IN BRANCH DUCT		LATER LATER	NA mmWC			1 1	
TE-107A	PRESSURE TRANSMITTER RTD RTD	CF2, HOT GAS INLET PRESSURE MONITORING  COKE TEMP. MEASUREMENT AT BUNKER 2, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 2, DAMPER APPL.	BEFORE CF2, IN BRANCH DUCT BUNKER CF2 BUNKER CF2		LATER  LATER  LATER	mmWC DEG. C. DEG. C.			1 1 1	
TE-107C TE-107D	RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 2, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 2, DAMPER APPL.	BUNKER CF2 BUNKER CF2		LATER LATER	DEG. C. DEG. C.			1 1	
LT-102B ZT-109	LEVEL TRANSMITTER LEVEL TRANSMITTER POSITION TRANSMITTER	BUNKER-2 COKE LEVEL MEASUREMENT INTERLOCK BUNKER-2 COKE LEVEL MEASUREMENT INTERLOCK DP-10, GAS INLET TO CF2	BUNKER CF2 BUNKER CF2 CF2 INLET DAMPER, DP-10		LATER LATER LATER	NA NA %			1 1	
M-109-TSH	MOTORIZED ACUATOR TORQUE SWITCH HIGH TORQUE SWITCH LOW	DP-10, GAS INLET CONTROL,CF2  DP-10, GAS INLET TO CF2, TORQUE MONI.  DP-10, GAS INLET TO CF2, TORQUE MONI.	CF2 INLET DAMPER, DP-10 CF2 INLET DAMPER, DP-10 CF2 INLET DAMPER, DP-10		LATER LATER LATER	NA NA NA			1 1 1	
TE-108A TE-108B	RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 2, SPRAY WATER COKE TEMP. MEASUREMENT AT BUNKER 2, SPRAY WATER	BUNKER CF2 BUNKER CF2		LATER LATER	DEG. C. DEG. C.			1 1	
TE-108D	RTD RTD SOLENOID VALVE	COKE TEMP. MEASUREMENT AT BUNKER 2, SPRAY WATER  COKE TEMP. MEASUREMENT AT BUNKER 2, SPRAY WATER  CF2, SOV FOR WATER SPRAY CONTROL	BUNKER CF2 BUNKER CF2 SPRAY WATER LINE,CF2		LATER LATER LATER	DEG. C. DEG. C. NA			1 1 1	
ZSC-113	POSITION SWITCH OPEN POSITION SWITCH CLOSE PRESSURE TRANSMITTER	SOV-113 POSITION MONITORING  SOV-113 POSITION MONITORING  CF3, HOT GAS INLET PRESSURE MONITORING	SPRAY WATER LINE,CF2 SPRAY WATER LINE,CF2 BEFORE CF3, IN BRANCH DUCT		LATER  LATER  LATER	NA NA mmWC			1 1 1	
PT-119 TE-109A	PRESSURE TRANSMITTER RTD	CF3, HOT GAS INLET PRESSURE MONITORING COKE TEMP. MEASUREMENT AT BUNKER 3, DAMPER APPL.	BEFORE CF3, IN BRANCH DUCT BUNKER CF3		LATER LATER	mmWC DEG. C.			1 1	
TE-109C	RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 3, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 3, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 3, DAMPER APPL.	BUNKER CF3 BUNKER CF3 BUNKER CF3		LATER  LATER  LATER	DEG. C. DEG. C. DEG. C.			1 1 1	
LT-103B	LEVEL SWITCH LEVEL SWITCH POSITION TRANSMITTER	BUNKER-3 COKE LEVEL MEASUREMENT INTERLOCK BUNKER-3 COKE LEVEL MEASUREMENT INTERLOCK DP-14, GAS INLET TO CF3	BUNKER CF3 BUNKER CF3 CF3 INLET DAMPER, DP-14		LATER LATER LATER	NA NA %			1 1 1	
M-110	MOTORIZED ACUATOR TORQUE SWITCH HIGH	DP-14, GAS INLET TO CF3  DP-14, GAS INLET CONTROL,CF3  DP-14, GAS INLET TO CF3, TORQUE MONI.	CF3 INLET DAMPER, DP-14  CF3 INLET DAMPER, DP-14  CF3 INLET DAMPER, DP-14		LATER  LATER  LATER	NA NA			1 1	
M-110-TSL TE-110A TE-110B	TORQUE SWITCH LOW RTD RTD	DP-14, GAS INLET TO CF3, TORQUE MONI.  COKE TEMP. MEASUREMENT AT BUNKER 3, SPRAY WATER  COKE TEMP. MEASUREMENT AT BUNKER 3, SPRAY WATER	CF3 INLET DAMPER, DP-14  BUNKER CF3  BUNKER CF3		LATER LATER LATER	NA DEG. C. DEG. C.			1 1	
TE-110C TE-110D	RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 3, SPRAY WATER COKE TEMP. MEASUREMENT AT BUNKER 3, SPRAY WATER	BUNKER CF3 BUNKER CF3		LATER LATER	DEG. C.			1 1	
ZSO-114	POSITION SWITCH OPEN POSITION SWITCH CLOSE	CF3, SOV FOR WATER SPRAY CONTROL  SOV-114 POSITION MONITORING  SOV-114 POSITION MONITORING	SPRAY WATER LINE,CF3 SPRAY WATER LINE,CF3 SPRAY WATER LINE,CF3		LATER  LATER  LATER	NA NA NA			1 1 1	
PT-121 PT-122	PRESSURE TRANSMITTER PRESSURE TRANSMITTER	CF4, HOT GAS INLET PRESSURE MONITORING CF4, HOT GAS INLET PRESSURE MONITORING	BEFORE CF4, IN BRANCH DUCT BEFORE CF4, IN BRANCH DUCT		LATER LATER	mmWC mmWC			1 1	
	RTD RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 4, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 4, DAMPER APPL.  COKE TEMP. MEASUREMENT AT BUNKER 4, DAMPER APPL.	BUNKER CF4 BUNKER CF4 BUNKER CF4		LATER LATER LATER	DEG. C. DEG. C. DEG. C.			1 1	
TE-111D LT-104A	RTD LEVEL TRANSMITTER LEVEL TRANSMITTER	COKE TEMP. MEASUREMENT AT BUNKER 4, DAMPER APPL.  BUNKER-4 COKE LEVEL MEASUREMENT INTERLOCK  BUNKER-4 COKE LEVEL MEASUREMENT INTERLOCK	BUNKER CF4 BUNKER CF4 BUNKER CF4		LATER LATER LATER	DEG. C. NA NA			1 1 1	
ZT-111 M-111	POSITION TRANSMITTER MOTORIZED ACUATOR	DP-18, GAS INLET TO CF4 DP-18, GAS INLET CONTROL,CF4	CF4 INLET DAMPER, DP-18 CF4 INLET DAMPER, DP-18		LATER LATER	% NA			1 1	
M-111-TSL	TORQUE SWITCH HIGH TORQUE SWITCH LOW RTD	DP-18, GAS INLET TO CF4, TORQUE MONI.  DP-18, GAS INLET TO CF4, TORQUE MONI.  COKE TEMP. MEASUREMENT AT BUNKER 4, SPRAY WATER	CF4 INLET DAMPER, DP-18 CF4 INLET DAMPER, DP-18 BUNKER CF4		LATER LATER LATER	NA NA DEG. C.			1 1 1	
TE-112B TE-112C	RTD RTD	COKE TEMP. MEASUREMENT AT BUNKER 4, SPRAY WATER COKE TEMP. MEASUREMENT AT BUNKER 4, SPRAY WATER	BUNKER CF4 BUNKER CF4		LATER LATER	DEG. C. DEG. C.			1 1	
SOV-115	RTD SOLENOID VALVE POSITION SWITCH OPEN	COKE TEMP. MEASUREMENT AT BUNKER 4, SPRAY WATER  CF4, SOV FOR WATER SPRAY CONTROL  SOV-115 POSITION MONITORING	BUNKER CF4  SPRAY WATER LINE,CF4  SPRAY WATER LINE,CF4		LATER  LATER  LATER	DEG. C. NA NA			1 1 1	
ZSC-115	POSITION SWITCH CLOSE PRESSURE TRANSMITTER	SOV-115 POSITION MONITORING WATER INLET PRESSURE MONITORING	SPRAY WATER LINE,CF4 WATER LINE		LATER  LATER	NA Kg/cm^2(g)			1 1	The ciring of C
FE-102	ORIFICE	WATER INLET PRESSURE MONITORING	WATER LINE		LATER	M^3//Hr			1	The sizing of Spra Flow@Min/Nor/N 20/20/30 M^3//H
DPT-102	DIFF. PRESSURE TRANSMITTER	SPRAY WATER FLOW MEASUREMENT	WATER LINE		LATER	mmWC			1	

Document No.....

0		INITIAL SUBMISSION	RBJ	RBJ	VK
Revision	Date	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY