VENDOR SCOPE

ROUTING BY VENDOR — IA

M5-028
65-NG-02804-C6
NATURAL GAS

65x50

VENT

O_2-Analyser

UAS B41

M5-067
150-IG-07601-C6
SEAL GAS AFTER COOLER OUTLET

200x150

Compressor

INERT GAS GENERATION GG-D25

Combustion Air

INERT GAS GENERATION BLOWERS CP-D25

65-PWS-07610-C1

65-PWR-07608-C1

M5-083(2/2)
150-PWS-08327-C1
CLEAN COLD PROCESS WATER

M5-091
15-CHM-09110-P1
NaOH DOSING PACKAGE

M5-065
300-PWR-06506-C1
SEAL GAS COOLER

SLOPE
SEE PIPING NOTE #4 ON DWG M5-000

400x200

400-PWR-07603-C1

250-PWR-07604-C1

250-PWR-07605-C1

200-PWR-07606-C1

M5-083(2/2)
250-PWR-07604-C1
CLEAN COOLING TOWER

MAX. WATER LEVEL EL. 0

MIN. WATER LEVEL EL. -1700

EL. -2880

TK-E90
INERT GAS SUMP

PU-E91.1
INERT GAS SUMP PUMP

PU-E91.2
INERT GAS SUMP PUMP (SPARE)

PU-E92
INERT GAS SUMP EMERGENCY PUMP

REV.	DATE	DESCRIPTION	PURPOSE OF ISSUE	PREPARE	CHECK	APPROVE
Z	06/2019	AS BUILT	ASB	KHALILPOOR	SHAGHAGHI	MOHAMMAD ZADEH
5	01/2017	ISSUE FOR CONSTRUCTION	IFC	MMTE	SHAGHAGHI	MOHAMMAD ZADEH
4	10/2015	ISSUE FOR CONSTRUCTION	IFC	KHALILPOOR	PARVANI	KIOMARSI
3	03/2015	ISSUE FOR CONSTRUCTION	IFC	KHALILPOOR	PARVANI	KIOMARSI
2	09/2014	ISSUE FOR CONSTRUCTION	IFC	KHALILPOOR	PARVANI	KIOMARSI
1	08/2014	ISSUE FOR APPROVAL	IFA	KHALILPOOR	PARVANI	KIOMARSI

Project: KOWSAR GISD MEGA MODULE PROJECT

Client: شرکت توسعه آهن و فولاد گل گهر G.I.S.D.Co.

Contractor: MMTE — شرکت مهندسی فن آوران معادن و فلزات — MINES & METALS TECHNOLOGICAL ENGINEERING CO.

Client's Project	Project Code	Main Contractor	Area Code	Plant Group	Equipment Code	Document Type	Eng. Discipline	Serial No.
GISD	7-2	119	1002	7	AA	04	P	076

	SIGNATURE	DATE
DESIGNED	MMTE	01/2017
PREPARED	MMTE	01/2017
CHECKED	SHAGHAGHI	01/2017
APPROVED	MOHAMMAD ZADEH	01/2017

designation: PIPING & INSTRUMENTATION DIAGRAM INERT GAS GENERATION SYSTEM

drawing-No.: KGMMPG00M5076

repl. for: | repl. by :

SCALE: AS SHOWN | REV.: Z | SIZE: A3 | SHEET: 1/1 | CONT. & PROJ. NO. 92/5499

Confidential:This document discloses proprietary information. It may not be reproduced nor disclosed any person, nor used for any purpose, except wiht the written permission of MMTE Co