FIRST ANGLE PROJECTION

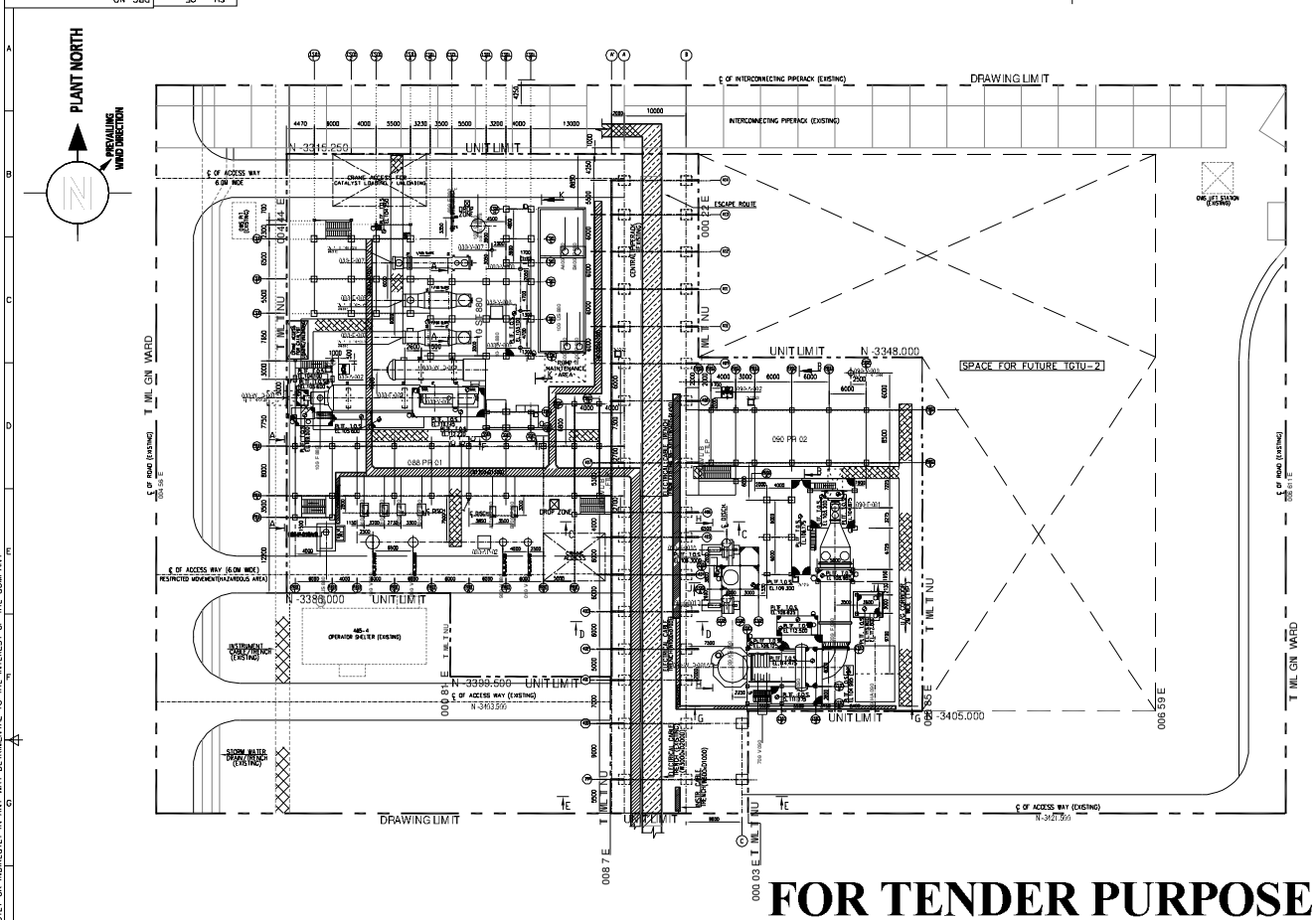
(ALL DIMENSIONS ARE IN mm)

ESP-001-12A

DRG. NO B366-088-16-43-00001 SH. OF

PLANT NORTH

PREVAILING WIND DIRECTION



FOR TENDER PURPOSE ONLY

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EQUIPMENT LIST

EQUIPMENT NO.	DESCRIPTION	PAID NO.	LOCATION	EL. / WT. ELEVATION
PACKAGES				
088-A-001	REACTION FURNACE PACKAGE			
PACKAGE ITEMS (NOT EXHAUSTIVE)				
088-E-001	WASTE HEAT EXCHANGER 1st PASS	680-0003	3-3	
088-E-002	WASTE HEAT EXCHANGER 2nd PASS	680-0004	3-3	
088-F-001	REACTION FURNACE BURNER	680-0009	3-3	
088-F-002	REACTION FURNACE	680-0009	3-3	
088-V-004	WASTE HEAT EXCHANGER STEAM DRUM	680-0001	3-3	
088-A-002	TSP DOSING PACKAGE	680-0001	3-3	
088-A-001A	INCINERATOR PACKAGE			
PACKAGE ITEMS (NOT EXHAUSTIVE)				
088-(003-005)-E-3	WASTE HEAT EXCHANGER	680-0003	1-5	
088-F-003	INCINERATOR BURNER	680-0002	1-7	
088-F-002	INCINERATOR	680-0002	1-7	
088-V-006	INCINERATOR MIXE STEAM DRUM	680-0003	1-5	
088-V-007	INCINERATOR MIXE MUD DRUM	680-0003	1-5	
088-DS-002	INCINERATOR HP STEAM DESUPERHEATER	680-0003		
088-C-004/A/B	INCINERATOR FANS	680-0001	1-5	
088-SK-001	INCINERATOR STACK	680-0004	1-5	
088-A-002	TSP DOSING PACKAGE	680-0002	3-5	

EQUIPMENT LIST

EQUIPMENT NO.	DESCRIPTION	PAID NO.	LOCATION	EL. / WT. ELEVATION
AIR COOLERS				
088-AC-001	CONDENSATE DRUM VENT CONDENSER	680-9003	1-15	
088-AC-002	BLOWDOWN COOLER	680-9000	1-15	
CELLARS				
088-C-001	DEGASSING CONTACTOR	680-2000	B-4	136,800
EXCHANGERS				
088-E-001	AMINE ACID GAS PREHEATER	680-0001	1-15	123,150
088-E-002	ATP PREHEATER	680-0001	1-15	123,150
088-E-003	1st CONDENSER	680-0002	C-4	
088-E-004	1st REHEATER	680-0002	C-4	
088-E-005	2nd CONDENSER	680-0004	C-4	
088-E-006	2nd REHEATER	680-0004	C-4	
088-E-007	FINAL CONDENSER	680-0004	C-4	
088-E-008	STM PREHEATER	680-0005	B-4	136,800
088-E-009	SULPHUR COOLER	680-0000	1-3	135,800
PUMPS				
088-P-0014/A/B	ACID GAS KO DRUM PUMPS	680-0002	C-3	
088-P-0015/A/B	SWS ACID GAS KO DRUM PUMPS	680-0003	C-4	
088-P-0044/A/B	DEGASSING PUMPS	680-0000	C-5	
088-P-0045/A/B	SULPHUR PIT PUMPS	680-0000	C-4	
088-P-0064/A/B	CONDENSATE PUMPS	680-0003	C-4	
088-P-0084/A	SEALING COOLING WATER SUMP PUMP	680-0002	C-4	
REACTORS				
088-R-001	1st CONVERTER	680-0001	1-5	115,000
088-R-002	2nd CONVERTER	680-0001	1-5	115,000
VESSELS				
088-V-005	ACID GAS KO DRUM	680-0000	C-3	134,000
088-V-0050	SWS ACID GAS KO DRUM	680-0003	C-4	132,500
088-V-005	1st CONDENSER SEAL POT	680-0017	C-4	
088-V-006	2nd CONDENSER SEAL POT	680-0017	C-4	
088-V-007	FINAL CONDENSER SEAL POT	680-0017	C-4	
088-V-008	DEGASSING SEAL POT	680-0000	C-4	
088-V-009	CONDENSATE DRUM	680-9003	C-4	134,300
088-V-010	BLOWDOWN DRUM	680-9000	C-4	136,700
090-V-008	FUEL GAS KO DRUM	670-9500	D-7	139,300
MISCELLANEOUS ITEMS				
088-SU-001	SULPHUR PIT	680-0018	C-5	
088-SU-002	SEAL BEARING COOLING WATER SUMP	680-0018	C-3	
088-SU-101	INERT GAS STEAM DESUPERHEATER	680-9100	-	
088-F-0014/B	SULPHUR PIT EJECTOR	680-9000	-	

REF. DWG. NO.	REFERENCE DRAWING TITLE
B366PS-0001W-0001-001	OVERALL SITE PLAN

NOTES :-

1. ALL DIMENSIONS ARE IN MM AND COORDINATES ARE IN M., UNLESS OTHERWISE SPECIFIED.
2. ALL ELEVATIONS ARE IN M. AND ARE WITH REFERENCE TO HIGHEST POINT OF PAVEMENT EL.100.300M WHICH CORRESPONDS TO +3.430M ABOVE M.S.L. (KNOWN MEAN SEA LEVEL).
3. EXISTING FACILITIES LIKE CENTRAL PIPE RACK, CWB PIT, OPERATOR SHELTER, CABLE TRENCH/TRAY ETC. ARE SHOWN FOR REFERENCE, FOR DETAIL, REFER EXISTING DRAWINGS.
4. IN-LINE EQUIPMENTS LIKE EJECTOR, DESUPERHEATER ARE NOT SHOWN.
5. DIMENSIONS OF EQUIPMENTS PERTAINING TO INCINERATOR & REACTION FURNACE PACKAGE ARE TENTATIVE AND WILL BE UPDATED ON RECEIPT OF VENDOR DRAWING.
6. REFER INSTRUMENT DUCT LAYOUT DWG NO. B366-088-16-01-00001 FOR INSTRUMENT CABLE DUCT AND ANALYSER PANEL / SHELTER DETAILS.
7. FOR ELECTRICAL CABLE DETAILS REFER RESPECTIVE ELECTRICAL DRAWINGS.
8. FOR STRUCTURAL DETAILS REFER RESPECTIVE STRUCTURAL DRAWINGS.

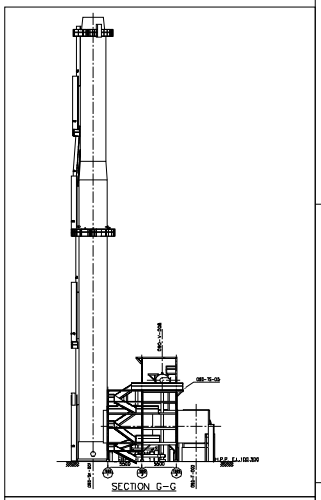
HOLDS:

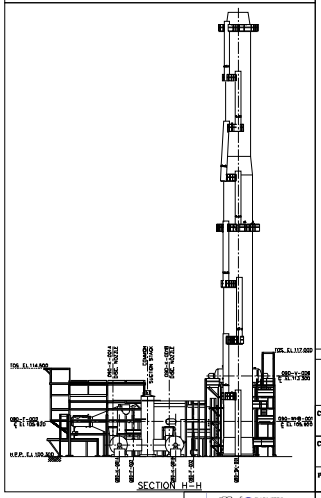
1. PACKAGE VENDOR DATA FOR REACTION FURNACE (088-A-001) & INCINERATOR PACKAGE (090-A-001)
2. PUMPS DIMENSIONS.
3. CONDENSERS (088-E-003, 005, 007) DIMENSIONS.
4. BATTERY LIMIT PLATFORMS.

UNIT	DESCRIPTION	CAPACITY	LICENSOR
088	STANDBY SULPHUR RECOVERY UNIT (SRU)	525 TPD	BLACK & VEATCH
090	TAIL GAS INCINERATOR	–	

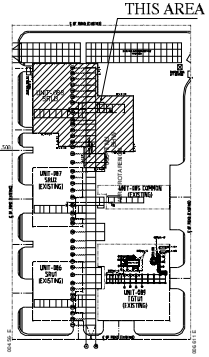
LEGENDS:

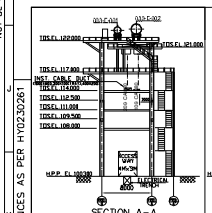
AG	ABOVE GROUND
UG	UNDER GROUND
TS	TECHNOLOGICAL STRUCTURE
EL	ELEVATION
WP	WORKING POINT
PR	PIPE RACK
F.S.	FIXED SADDLE
S.S.	SLIDING SADDLE
PL.TF.	PLATFORM
RL	REDUCED LEVEL
MSL	MEAN SEA LEVEL
℄	CENTER LINE
HPP	HIGHEST POINT OF PAVEMENT
FGL	FINISHED GRADE LEVEL
TOS	TOP OF STEEL
NTS	NOT TO SCALE
MM	MILLIMETER
M	METER
EWSS	EYE WASH & SAFETY SHOWER)
	PAVING
	GRATING
	EXISTING FACILITIY / STRUCTURE

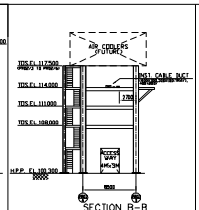


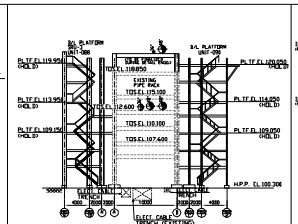


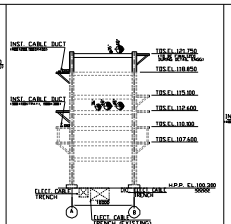
KEYPLAN

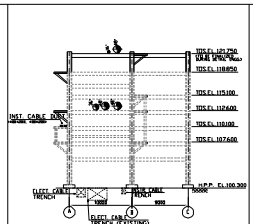


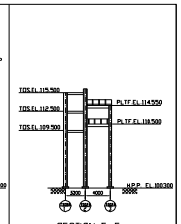


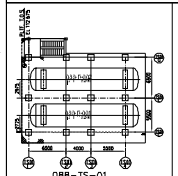


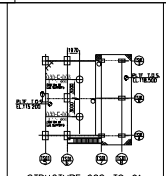


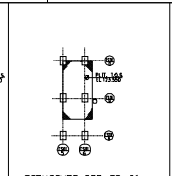


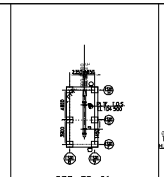


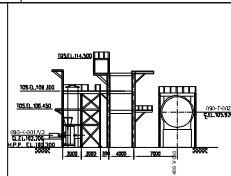


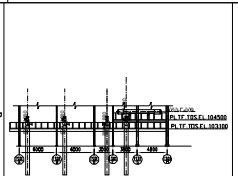


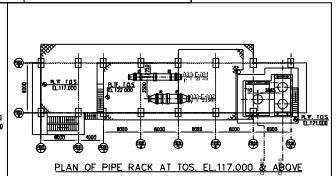












GENERAL DIMENSIONAL LIMITS,FITS & TOLERANCES AS PER HY02302G1

REV.	DATE	ALTERED	CHD/APPD
01	08.06.21	ISSUED FOR ENGINEERING	LSJ/GB

DOCUMENT CATEGORY (USE " X " MARK)
- ☐ APPROVAL
- ☐ REVIEW
- ☐ INFORMATION

DOCUMENT REVIEW STATUS (BY CLIENT)

CLIENT: INDIAN OIL CORPORATION LIMITED, PARADIP REFINERY PROJECT, PARADIP, ORISSA

CONSULTANT: TECHNIP ENERGIES

PROJECT: 525 TPD STANDBY SRU PROJECT, IOCL PARADIP REFINERY, ODISHA, INDIA

ENGINEERS INDIA LIMITED, NEW DELHI

BHARAT HEAVY ELECTRICALS LTD, HYDERABAD

	NAME	SIGN.	DATE	NO OF YRS.
DRN.	AV	AV	08.06.21	
CHD.	LSJ	LSJ	08.06.21	
APPD.	GB	GB	08.06.21	

REPT. PLEASE CODE 450 | UNTOL DWG. OR SHAFT | SCALE 1:300 | WEIGHT (KG) -N.A.- | REF. TO ASSY. DRG. -N.A.- | ITEM NO. -N.A.- | NO.OF ITEMS -N.A.-

TITLE: UNIT PLOT PLAN STAND BY SRU-3 & TAIL GAS INCINERATOR

BHEL DWG. NO. B366-088-16-43-00001 | REV. 11

CAMD CODE N.A. | CUST. DWG. NO. 08525/C-3689053-PP-A0201-001

SHT. No. 1 | NO. OF SHT. 1

INVENTORY NO

ESP-001-12A