



1- IPC rack mounted shall be considered
 2-One engineering laptop for programming / engineering .
 3-One operator workstation shall be determined
 4- One redundant Modbus TCP/IP connection shall be considered from UCP to PCS
 5-Local panel shall be considered by vendor such as followings:
 - Burner Ignition and Detection Local Control Panel
 - Lubrication oil system local panel
 - Local control panel for soot blower
 6-Governor , Over speed protection MMS and all relevant connection to UCP shall be specified as well.

7-Power distribution panel at field shall be considered by vendor
 Below powers will be provided for vendor. Any other requirement (distribution panel, power supply, etc.) shall be considered by vendor.
 * In control room:
 1- two (redundant) feeder for UPS power
 2- one feeder for NON-UPS power
 * In field:
 1- one feeder for UPS power
 2- one feeder for NON-UPS power
 UPS power rating is 230 VAC, 50 Hz

8-Power supply : redundancy
 CPU:SIL3 and redundancy Control loop and critical IO redundancy to be mentioned

REFERENCE DOCUMENTS	No.

NOTES:

LEGENDS & ABBREVIATION

	Power Cable
	Industrial Ethernet
	Profibus

00	ISSUED FOR PROPOSAL		
REV.	DATE	DESCRIPTION	DESG.CHKD. APPR. REC.

CLIENT/CONTRACTOR:

VENDOR:
 Hamoon Rah Engineering Company (HRCO)



PROJECT:

DWG. TITLE:
 Control System Configuration

DEP:	SIZE:	SHEET:	SCALE:	DRAWING No.:	REV.
PR	A3	2 OF 2	N.T.S	T392-PID	00