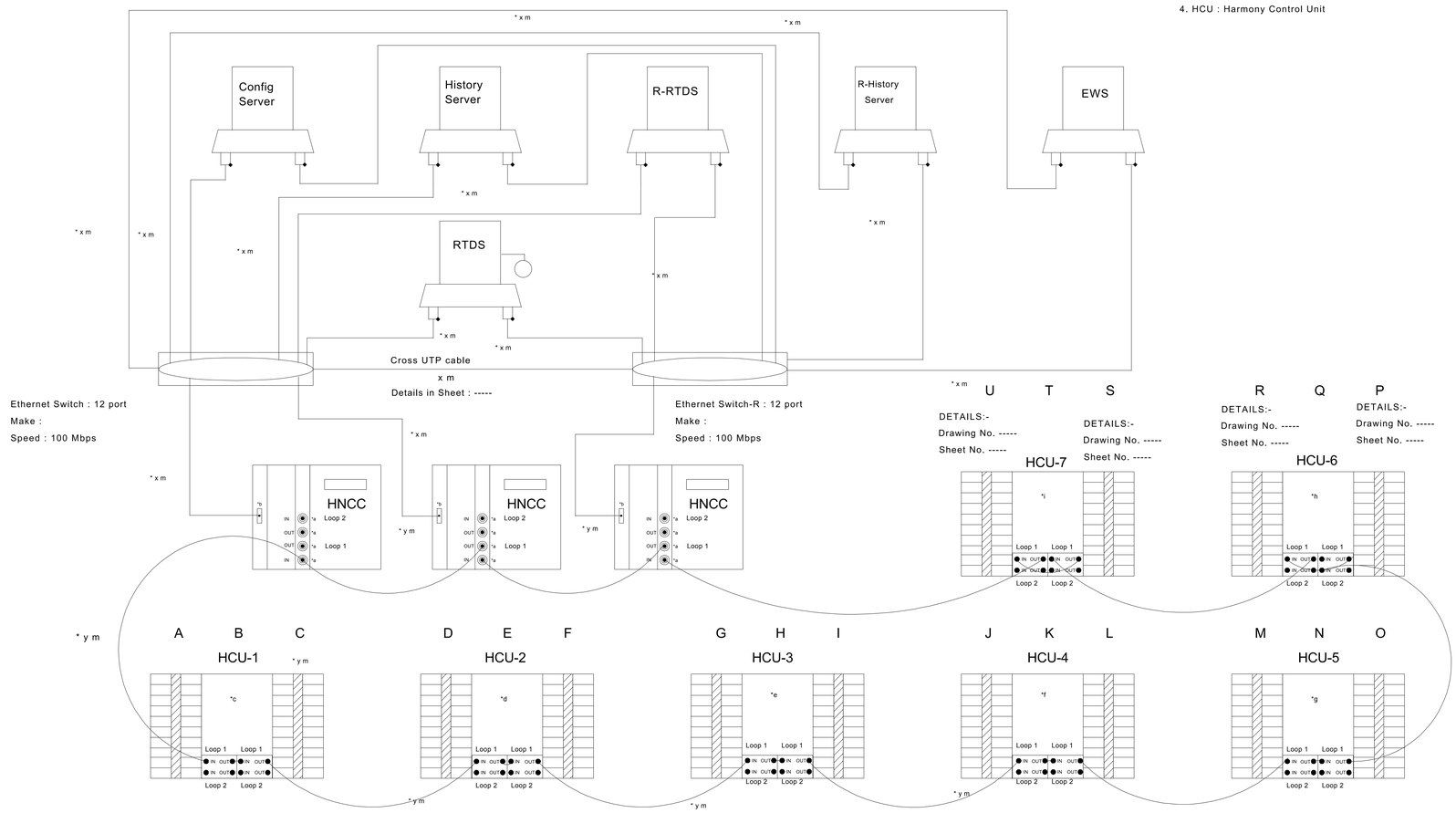
* Straight UTP cable details, speed: 100Mbps
given in sheet No....
Exact length will be mentioned after detailed Engg
** UTP port.
*** Card : -------
*a : RG-58 Connectors
*b : AUT to UTP converter
make :
*c : Details as per
Drawing -----
Sheet No. -----
x,y : Exact length shall be furnished after
C- Net Cable
*d : Drawing No. -----
Sheet No. -----
A,B,C,.....S,T,U :
Dimensions : 800 X 800 X 2200 mm
No. of panels in each HCU and the arrangement subject
subject to change during detailed Engg.

speed : 10Mbps.
*e : Drawing No. -----
Sheet No. -----
*f : Drawing No. -----
Sheet No. -----
*g : Drawing No. -----
Sheet No. -----
*h : Drawing No. -----
Sheet No. -----
*i : Drawing No. -----
Sheet No. -----

Abbreviation:-
1. RTDS : Real Time Data Server
2. EWS : Engineering Work Station
3. HNCC : Harmony Network Communication Coupler
4. HCU : Harmony Control Unit



NOTE :- C-net Loop 2 connections are not shown. The connection will be similar
to Loop 1 at 10 Mbps speed.

REV. NO.	DESCRIPTION	DATE	APPROVED
00	FIRST ISSUE	03.07.04	

CUSTOMER : GUJARAT MINERAL DEVELOPMENT CORP. LTD.

CONSULTANT: DESIEN PVT LTD.

PROJECT : ARKIMOTA THERMAL POWER PROJECT, GMDC 2X125MW

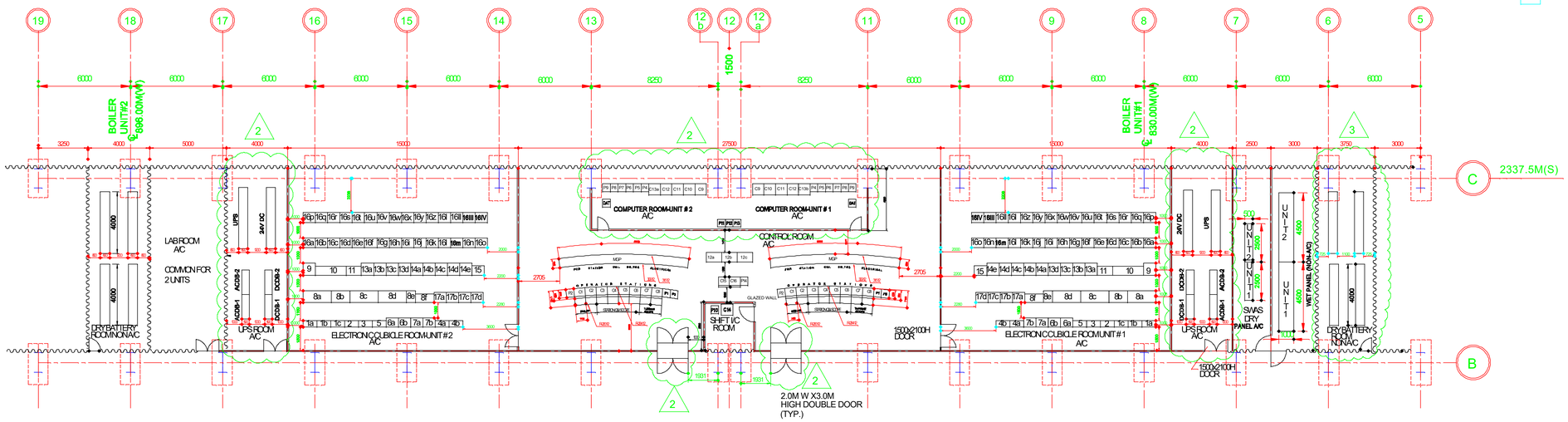
Asea Brown Boveri Limited

	NAME	SIGN	DATE	SCALE
DRAWN	SG		07/04	
CHKD	AKS		07/04	
APPD	AKS		07/04	

DETAILS OF SYSTEM CONFIGURATION

YN1G10290-G

SHEET 0 REV 0



S. NO.	DESCRIPTION	No. OF PNL/CAB	SCOPE OF SUPPLY	APPROX DIMENSION W x D x H (mm)
1a.	BOILER INTEGRAL DCS (CAB01)	1	ALSTOM	900x440x2315
1b.	BOILER INTEGRAL DCS (CBB01)	1	ALSTOM	900x440x2315
1c.	BOILER INTEGRAL DCS (CBB02)	1	ALSTOM	900x440x2315
2.	INTER POSING RELAY PANEL (CCA01)	1	ALSTOM	900x440x2315
3.	MARSHALLING PANELS (CBA01)	1	ALSTOM	900x440x2315
4.	SPARE	2	ALSTOM	900x440x2315
5.	SOOT BLOWER/LIME STONE/APRDS CONTROL DCS	1	ALSTOM	900x440x2315
6.	LIGNITE FEEDER DRIVE PANEL	2	ALSTOM	800x600x2250
7.	FREQUENCY PNL FOR DRAG LINK CONVEYOR	2	ALSTOM	800x600x2250
8.	TUR. GOVERNING & AUX. CONT, INTREGRAL INCLUDING RELAY PNL,MARSHALLING PNL.		ANSALDO	
8.a	HCU01	1	- do -	1830x762x2315
8.b	HCU02	1	- do -	1220x762x2315
8.c	HCU03	1	- do -	1830x762x2315
8.d	HCU04	1	- do -	1830x762x2315
8.e	NCCXCPA05	1	- do -	610x762x2315
8.f	HP-LP BYPASS CONTROL PANEL	1	- do -	1200x550x
9.	TRANSDUCER PANEL (XCFC01)	1	ANSALDO	800x800x2300
10.	GENERATOR G. TRANSF. PROTECTION PANEL (XCHA01/02)	1	ANSALDO	2000x600x2200

S. NO.	DESCRIPTION	No. OF PNL/CAB	SCOPE OF SUPPLY	APPROX DIMENSION W x D x H (mm)
11.	SYNCHRONISING PANEL (XCHA03)	1	ANSALDO	1000x600x2000
* 12.	COMMON ELECTRICAL CONTROL PNL	3	ELEC.	1000x600X2200
* 13.	DBTC PANEL FOR DIODE AUCTIONEERING	4	STN. C&I	800x800x2250
* 14.	ANNUNCIATION CABINATE	5	STN. C&I	800x800x2250
* 15.	FIRE ALARM PANEL	1	FIRE ALARM	800x650x1800
* 16.	DCS CABINET	30	STN. C&I	800x650x2200
C1	OPERATOR STATION BOILER (CKA01)	1	ALSTOM	495x500x520
C2	OPERATOR STATION BOILER (CKA02)	1	ALSTOM	495x500x520
C3	OPERATOR STATION	1	STN. C&I	
C4	OPERATOR STATION	1	STN. C&I	
C5	OPERATOR STATION	1	STN. C&I	
C6	OPERATOR STATION	1	STN. C&I	
C7	OPERATOR STATION (TURBINE)	1	ANSALDO	
C8	OPERATOR STATION (TURBINE)	1	ANSALDO *	
C9	MIS CRT	1	STN. C&I	
C10	ENGG. & DIAGONOSTIC CRT	1	STN. C&I	
C11	INTEGRAL CRT	1	STN. C&I	
C12	ENGG. & DIAGONOSTIC CRT	1	ANSALDO	
C13a.	ENGG. STATION (0CKA01)	1	ALSTOM	
C13b.	ENGG. STATION (0CKA02)	1	ALSTOM	

S. NO.	DESCRIPTION	No. OF PNL/CAB	SCOPE OF SUPPLY	APPROX DIMENSION W x D x H (mm)
C14	SHIFT SUPERVISOR CRT	1	STN. C&I	
C15	ENGG. STATION (SMS)	1*	CGL	
C16	OPERATOR STN. (SMS)	1*	CGL	
* 17.	DCS CABINET (SPARE)	4	STN. C&I	800x650x2200
P1	LASER JET B/W (PRINTER)	1	ANSALDO	
P2	LASER JET B/W PRINTER (CKA71)	1	ALSTOM	412x435x260
P3	LASER JET B/W (PRINTER)	1	STN. C&I	
P4	DM PRINTER	1	STN. C&I	
P5	BICOLOR PRINTER	1	STN. C&I	
P6	LASER JET B/W (PRINTER)	1	STN. C&I	
P7	INK JET COLOUR (PRINTER)	1	STN. C&I	
P8	LASER JET (PRINTER)	1	ANSALDO	
P9	INK JET COLOUR (PRINTER)	1	ANSALDO	
P10	INK JET (PRINTER) COMM.FOR BOTH UNIT	1	STN. C&I	
P11	IN JET COLOUR PRINTER COMM. FOR BOTH UNIT (CKA71)	1	ALSTOM	512x514x295
DAT	DAT DRIVE	1	STN. C&I	
P12	DOT MATRIX PRINTER (SMS)	1*	CGL	
P13	LASER COLOR PRINTER (SMS)	1*	CGL	
P14	INK JET PRINTER (SMS)	1*	CGL	
* MGP	MOSAIC GRID PANEL	1	STN. C&I	8500x600x2000

NOTES

- * COMMON FOR BOTH UNIT
- 1. OVER ALL & CUTOUT DIMENSIONS OF PANELS MARKED WITH ARE TENTATIVE, AS THE ORDER OF THESE PANEL ARE NOT YET PLACED.

NOTICE

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MARK	PARTICULARS	DATE	HOD	ELEC.	MECH.
4					
3	REVISED AS PER ELECTRICAL COMMENTS & DISCUSSION WITH GMDC ON 27.07.02.	29.07.02			
2	REVISED AS PER CIVIL COMMENTS	17.07.02			
1	AS PER ANSALDO E-MAIL	19.03.02			
0	PRELIMINARY				

REVISIONS — APPRD — CLEARED BY

DESEIN

DESEIN
CONSULTING ENGINEERS
NEW DELHI - INDIA

DRAWN	CHECKED	APPROVED
RAMESH	S. MITTAL	R. G. DHALWANI

CLIENT: GUJARAT MINERAL DEVELOPMENT CORP. LTD.

PROJECT: AKRIMOTA T.P.STN. UNITS# 1&2(2x125 MW)

TITLE: GENERAL ARRAGEMENT OF CONTROL ROOM LAY OUT AT EL. (+) 12.50 M

APPROVED FOR CONSTRUCTION :

JOB NO.- 210 | SCALE | DATE 08.07.02

DWNO. 114-05-0100 | REV 03

SHEET 1 OF 1

File Name: D:\Project\New\Akrimota\Control Room Layout-7-2.dwg

* Straight UTP cable details, speed: 100Mbps
given in sheet No....
Exact length will be mentioned after detailed Engg
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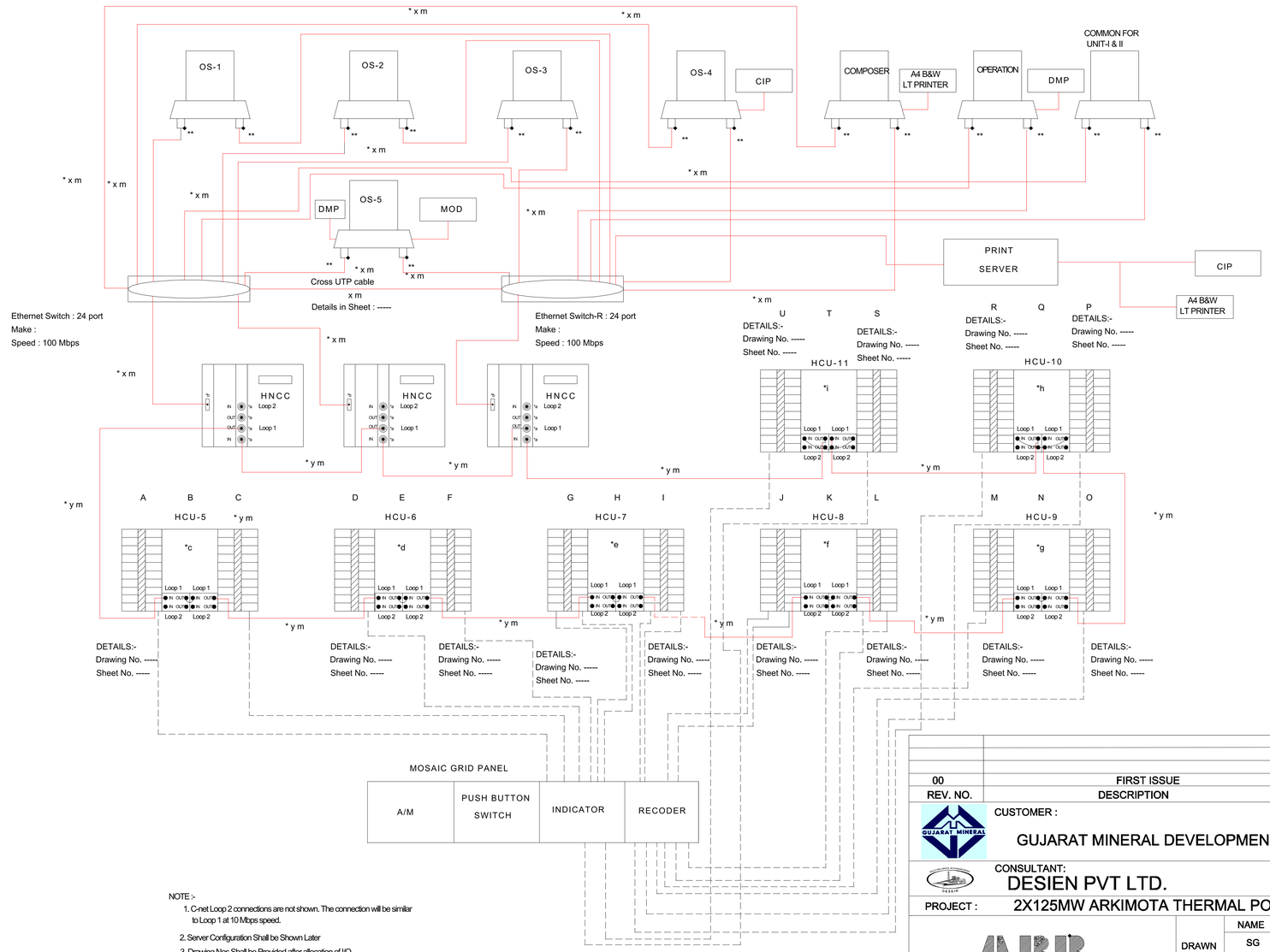

NOTE :-
1. C-net Loop 2 connections are not shown. The connection will be similar to Loop 1 at 10 Mbps speed.
2. Server Configuration Shall be Shown Later
3. Drawing Nos Shall be Provided after allocation of I/O
4. B ,E, H,K,N,Q,T - System Cabinets
5. A, C,D,F,G,I,J,L,M,O,P,R,S,U, Are Termination / Relay Cabinets
6. Unit -II Shall be Similar to Unit - I Configration

REV. NO.	DESCRIPTION	DATE	APPROVED
00	FIRST ISSUE	03.07.04	

CUSTOMER : GUJARAT MINERAL DEVELOPMENT CORP. LTD.

CONSULTANT: DESIEN PVT LTD.

PROJECT : 2X125MW ARKIMOTA THERMAL POWER PROJECT,GMDC

	NAME	SIGN	DATE	SCALE
DRAWN	SG		07/04	
CHKD	AKS		07/04	
APPD	AKS		07/04	

Asea Brown Boveri Limited

SYSTEM CONFIGURATION FOR UNIT#1

YN1G10290-G

SHEET 0 REV. 0