TECHNICAL DATA SHEET OF AUXILIARY TRANSFORMER (1MVA/2MVA)

CATEGORY	APPROVAL	√ INFORMATION	REFERENCE	RECORD	CONSTRUCTION

CLIENT	**Steel Authority of India Ltd.** **Bhilai Steel Plant** **Bhilai, Chhattisgarh**
CONSULTANT	**MECON Limited** **Ranchi**
CONTRACTOR	**CONSORTIUM OF:** **Fujian Longking Co. Ltd.** **No. 81, Lingyuan Road, Longyan City, Fujian Province, China** **Allied Energy Systems Pvt. Ltd.** **Plot no. 293, Kehar Singh Estate, West End Marg, Saidulajab, New Delhi-110030 (India)**
PACKAGE	**3x150 TPH Boilers along with Steam Turbo-Blower Building (Excl. Enabling Works) [PKG NO. 011-01A]**

REVISION HISTORY

Rev.	Rev. Date	Prepared By	Checked By	Approved By	Description
00	13-05-13	M/s Voltamp	M/s Voltamp	M/s Voltamp	Submitted For Information

VOLTAMP TRANSFORMERS LIMITED
JAROD-SAVLI ROAD, VILL.-VADADLA, TAL.-SAVLI,
DIST.-VADODARA, GUJARAT, INDIA

Client : Longking Engineering India Pvt. Ltd.
Cunsaltant : Mecon Ltd., Ranchi
Project : 3X150 TPH Boiler & Turbo Blower System at Bhilai Steel Plant at Chattisgarh
P.O. No. : LK1304C-WFD004-D003 Dtd. 18.04.13
Voltamp's REF. NO. : 61620

Date: 02.05.2013
Rev. '0'

Data Sheet for 01 No. 1000 kVA, 6.6 / 0.433 KV Cast Resin Dry Type Transformer

MAKE		VOLTAMP TRANSFORMERS LTD		
TYPE OF TRANSFORMER		Cast Resin Transformer		
LOCATION OF TRANSFORMER		Indoor		
RATING		1000 kVA		
VOLTAGE RATIO	(HV / LV)	6.6 | 0.433 kV		
VECTOR GROUP		Dyn11		
TAPPING RANGE		+5.0% | -5%	Steps :	2.50%
TAPPING BY		Off Circuit Tap Links		
TAPPINGS ON		On HV side		
CLASS OF INSULATION		" F "		
TEMPERATURE RISE IN WINDING		80 ^{0}C	Over Ambient:	50 ^{0}C
% IMPEDENCE AT 75℃ & PRINCIPAL TAP		5.00 %	(IS Tol.)	
NO LOAD LOSS		1.8 KW	(MAX)	
FULL LOAD LOSS AT 75℃		11.0 KW	(MAX)	
ENCLOSURE PROTECTION		IP 42		

EFFECIENCY *

% LOAD	1 PF	0.8 PF
100	98.74	98.43
75	98.95	98.69
50	99.10	98.88

REGULATIONS *

% LOAD	1 PF	0.8 PF
100	1.219	3.859

PAINT SHADE — Epoxy: 632 of IS 5

*** The above furnished values of Efficiency & Regulation are based on Losses / Impedance.**
Which are subjected to the Tolerance as applicable of Losses & Impedance.
**** Prepared by : Vipul Ajmeri**

Checked & Approved By :

VOLTAMP TRANSFORMERS LIMITED
JAROD-SAVLI ROAD, VILL.-VADADLA, TAL.-SAVLI,
DIST.-VADODARA, GUJARAT, INDIA

Client : Longking Engineering India Pvt. Ltd.
Cunsaltant : Mecon Ltd., Ranchi
Project : 3X150 TPH Boiler & Turbo Blower System at Bhilai Steel Plant at Chattisgarh
P.O. No. : LK1304C-WFD004-D003 Dtd. 18.04.13
Voltamp's REF. NO. : 61619

Date: 02.05.2013
Rev. '0'

Data Sheet for 04 Nos. 2000 kVA, 6.6 / 0.433 KV Cast Resin Dry Type Transformer

MAKE		VOLTAMP TRANSFORMERS LTD		
TYPE OF TRANSFORMER		Cast Resin Transformer		
LOCATION OF TRANSFORMER		Indoor		
RATING		2000 kVA		
VOLTAGE RATIO	(HV / LV)	6.6 | 0.433 kV		
VECTOR GROUP		Dyn11		
TAPPING RANGE		+5.0% | -5%	Steps :	2.50%
TAPPING BY		Off Circuit Tap Links		
TAPPINGS ON		On HV side		
CLASS OF INSULATION		" F "		
TEMPERATURE RISE IN WINDING		80 ^{0}C	Over Ambient:	50 ^{0}C
% IMPEDENCE AT 75℃ & PRINCIPAL TAP		6.25 %	(IS Tol.)	
NO LOAD LOSS		3.5 KW	(MAX)	
FULL LOAD LOSS AT 75℃		18.0 KW	(MAX)	
ENCLOSURE PROTECTION		IP 42		

EFFECIENCY *

% LOAD	1 PF	0.8 PF
100	98.94	98.67
75	99.10	98.88
50	99.21	99.01

REGULATIONS *

% LOAD	1 PF	0.8 PF
100	1.091	4.528

PAINT SHADE — Epoxy: 632 of IS 5

*** The above furnished values of Efficiency & Regulation are based on Losses / Impedance.**
Which are subjected to the Tolerance as applicable of Losses & Impedance.
**** Prepared by : Vipul Ajmeri**

Checked & Approved By :