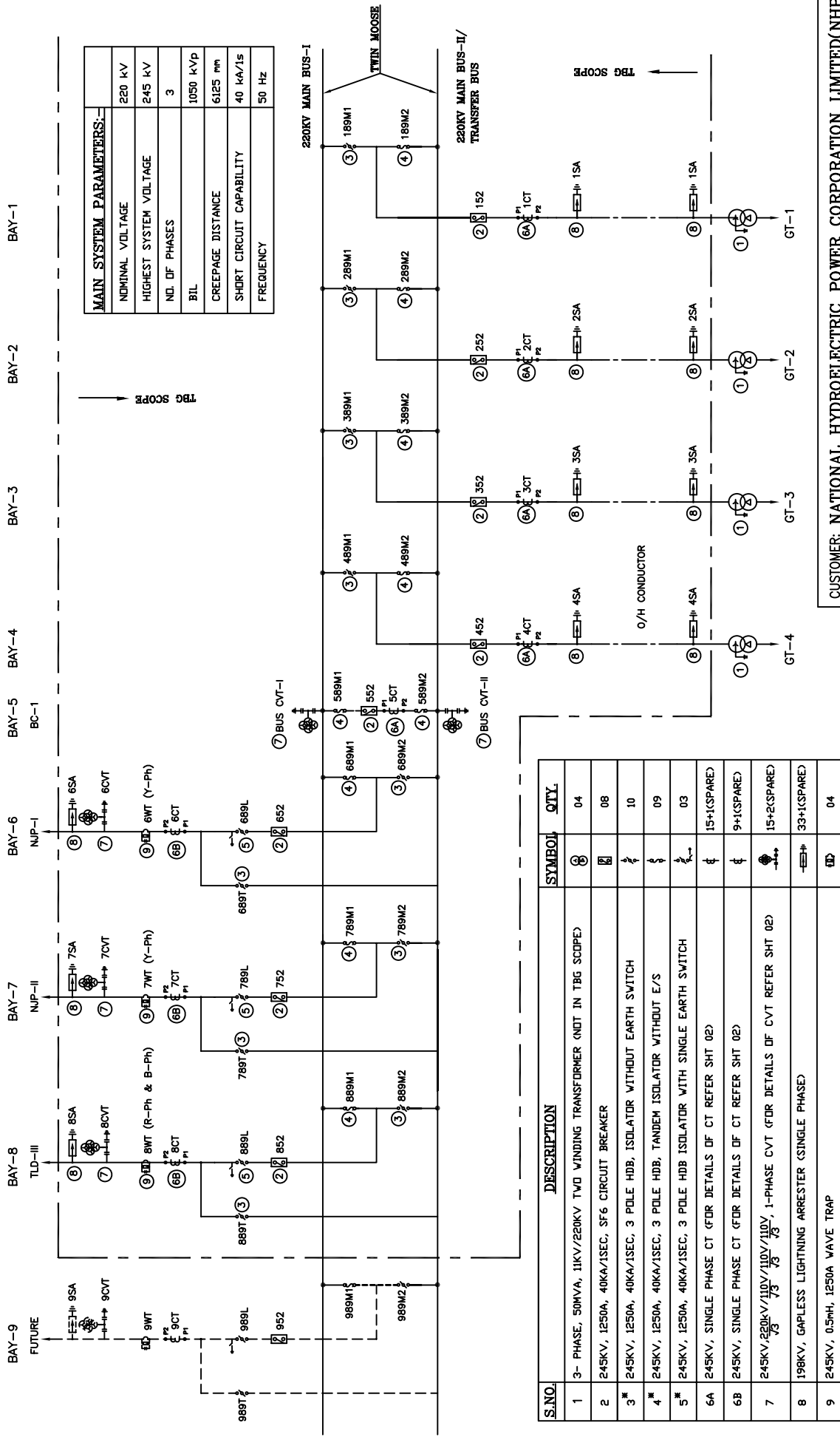


SIGN & DATE

INVENTORY NO.

MAIN SYSTEM PARAMETERS:-	
NOMINAL VOLTAGE	220 kV
HIGHEST SYSTEM VOLTAGE	245 kV
NL. LF PHASES	3
BIL	1050 kVp
CREEPAGE DISTANCE	6125 mm
SHORT CIRCUIT CAPABILITY	40 kA/1s
FREQUENCY	50 Hz



S.NO.	DESCRIPTION	SYMBOL	QTY.
1	3- PHASE, 50MVA, 11KV/220KV TWO WINDING TRANSFORMER (NOT IN TGB SCOPE)		04
2	245KV, 1250A, 40KA/1SEC, SF6 CIRCUIT BREAKER		08
3	245KV, 1250A, 40KA/1SEC, 3 POLE HDB, ISOLATOR WITHOUT EARTH SWITCH		10
4	245KV, 1250A, 40KA/1SEC, 3 POLE HDB, TANDEM ISOLATOR WITHOUT E/S		09
5	245KV, 1250A, 40KA/1SEC, 3 POLE HDB ISOLATOR WITH SINGLE EARTH SWITCH		03
6A	245KV, SINGLE PHASE CT (FOR DETAILS OF CT REFER SHT 02)		15+1(SPARE)
6B	245KV, SINGLE PHASE CT (FOR DETAILS OF CT REFER SHT 02)		9+1(SPARE)
7	245KV/220KV/110V/110V/110V, 1-PHASE CVT (FOR DETAILS OF CVT REFER SHT 02)		15+2(SPARE)
8	198KV, GAPLESS LIGHTNING ARRESTER (SINGLE PHASE)		33+1(SPARE)
9	245KV, 0.5mH, 1250A WAVE TRAP		04

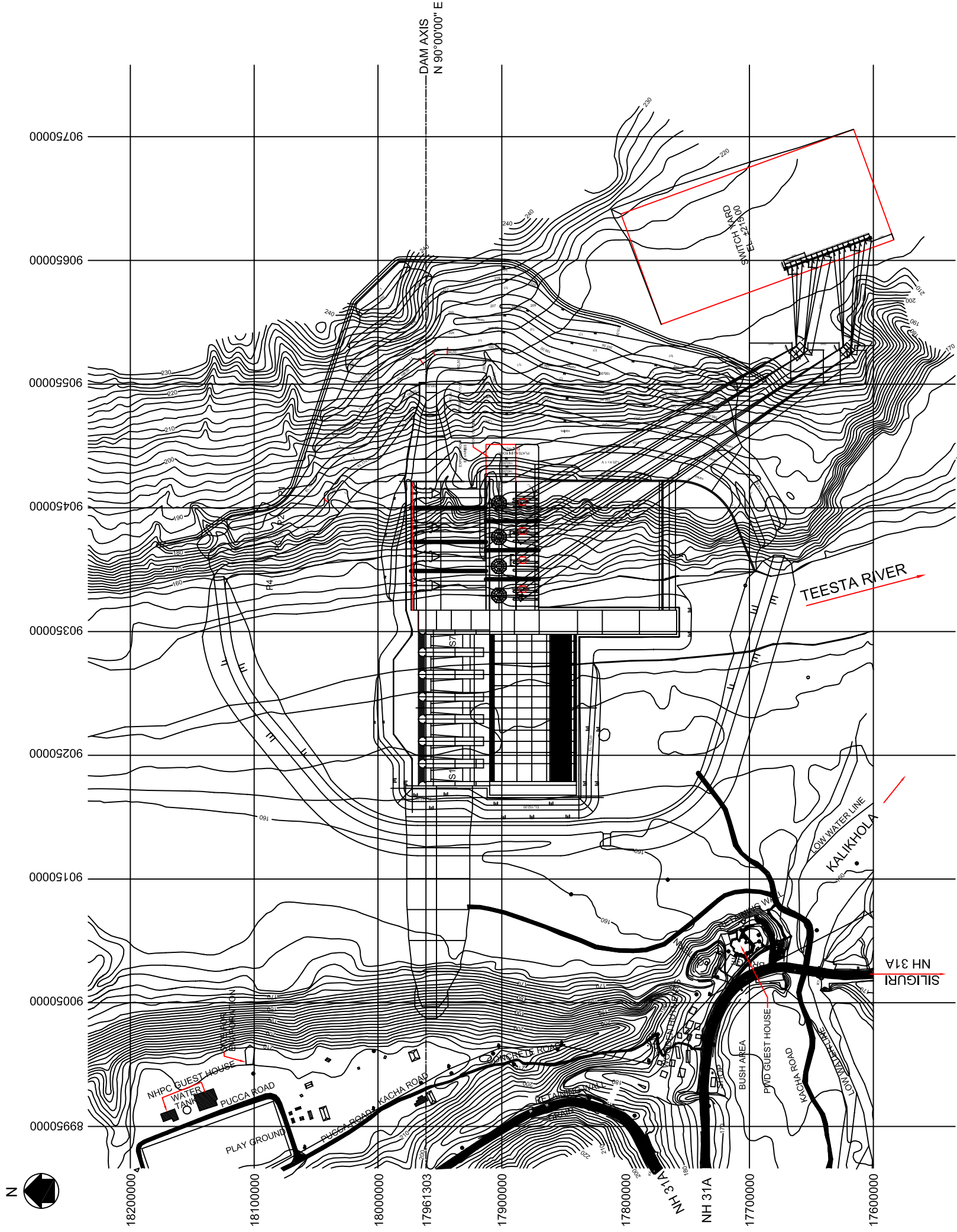
* ALL ISOLATORS ARE OF MECHANICALLY GANGED TYPE.

CUSTOMER: NATIONAL HYDROELECTRIC POWER CORPORATION LIMITED(NHPC)
PROJECT: 4 X 40 MW TEESTA LOW DAM H.E. PROJECT (STAGE-IV)

REV.	DATE	CHD.	APPD.	NAME	DATE	SIGN.	DATE	CODE
				DRAWN	03.05.08			
				CHECKED	03.05.08			
				APPROVED	03.05.08			
				CUSTOMER	4			
				PHG	1			
				PROTECTION	0/c			
				DEPT.	TBEM	422		
				SCALE	NTS			
				W.O.No. NH/CONTS(E&M)-III/TLPD-IV/01/2004/II/2581				
				DRG. No. TB-3-306-510-101				
				REV.	00			
				TOTAL NO. OF SHEETS	02			
				SHEET NO.	01			
				CARD CODE				

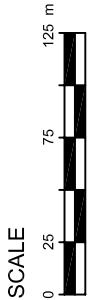


BHARAT HEAVY ELECTRICALS LIMITED
TRANSMISSION BUSINESS GROUP
SINGLE LINE DIAGRAM OF 220kV SWITCHYARD



NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.
2. THIS IS A GENERAL ARRANGEMENT DRAWING. FOR DETAILS OF STRUCTURES REFER RELEVANT DRAWINGS.
3. CONTOURS HAVE BEEN TRACED FROM TOPOGRAPHICAL SURVEY RECEIVED FROM SITE VIDEO LETTER NO.
i) NH/TLOP/SLG/17/144 DATED: 27-03-2001
ii) NH/TLOP/SLG/17/247 DATED: 17-07-2001



uS'kuy gkbM^oksbySfDV^od ikoj dkjks's'ku
NATIONAL HYDROELECTRIC POWER CORPORATION LTD.

rhLrk y? MSe ifj; kstuk $\frac{1}{4}$ pj. ka
TEESTA LOW DAM PROJECT (STAGE-IV)

PROJECT LAYOUT PLAN

06.02.2006	00	ISSUED FOR CONSTRUCTION				DRAWN mmzskfr	SUBMITTED tzlqr	RECOMMENDED vuqkafir	APPROVED vuqesnu
DATE	NO.	REVISION OR ISSUES	BY	CH. APP.	DATE	FEB. 2006	DRG. NO. mmzskfr	NHTL-IV-1AC1-41-GA-001	
						frukad	00		

F/DCE730/01/02 REV. NO. 00 EFF. DATE 01.08.2002

PLAN

