

I. Corrigendum to Technical Specification for Switchyard Fire Protection system

A. Pre-Qualifying Requirement

Pre-qualifying requirements for bidder's already stipulated under Annexure to Sec-1 after Pg. no. 18 of 18, Sec-1 of the Technical specification with heading Cl. No. 19 - List of vendors/ Sub vendor, point no. 1, 2 & 3. The same is again reproduced as below:

The Bidder shall furnish along with his offer the alternative names of Sub Vendors along with the following supporting documentation:

1. Documentation to show that the equipment/system has been supplied for a plant of similar or higher capacity (Minimum 500MW supercritical / sub critical plant).
2. Documentation in the form of certificate that the equipment/ system has been operating satisfactorily for two years as on the scheduled date of bid opening (Minimum 500MW supercritical/ sub critical plant).
3. The list proposed by the bidder shall be subjected to the approval of purchaser/consultant.

B. Refer to the water tap-off co-ordinates given under Cl. No. 3.2.1, Pg. no. 5 of 18 & Cl. No. 3.2.2, Pg. no.7 of 18, Sec-1 of technical specification. Pressure at any of these tap-off points shall be 7 Kg/cm² (minimum). Tap off points has been marked as TBG tap-off points in the Composite Fire water piping layout enclosed.

C. Refer to the Cl. No. 9.1.1, Pg. no. 13 of 18, Sec-1 of Technical Specification, Table – I under this clause shall be considered as below:

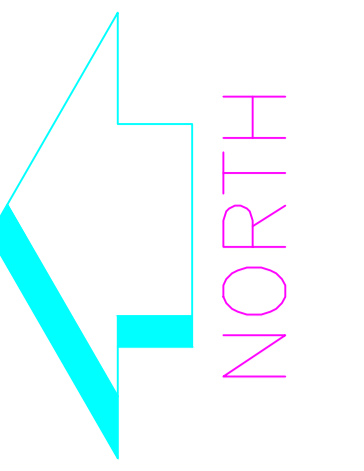
TABLE I

Sl. No.	Item Description	Unit	Qty	Rate	Amount
1.0	Supply of main items pertaining to following:				
1.A	Hydrant System	Lot	1		
1.B	HVW Spray System	Lot	1		
1.C	MVW Spray System	Lot	1		
1.D	Fire Detection & Alarm System	Lot	1		
1.E	Portable Extinguishers	Lot	1		
1.F	Evacuation system for Oil water emulsion from switchyard as per Cl. No. 3.2.4, Sec-1	Lot	1		
2.0	Erection, Testing & commissioning of the complete fire protection system	Lot	1		
3.0	Supply of Spares				
3.A	Automatic fire detectors & Manual call points	3% min. 2 nos. of each type.	1		
Total LUMPSUM Price FOR THIS PACKAGE					

- D. Refer Cl. No. 3.2.2, Sec-1 for MVW spray system; LHS cable for cable gallery shall be laid in zigzag manner.
- E. Refer Cl. No. 3.2.4, Sec-1, Oil water separator tank is clearly shown in the Transformer yard layout attached.
- F. De-watering pumps final equipment specification shall be as below:

S N	P D		P T	C	C
1	Switchyard Pit Dewatering Pump	Two (2X100%) (1W+1S) For each pit.	Vertical Centrifugal Impeller – semi open/closed. Self-water lubricating.	Cap: 10 Cu.M/Hr (each) and Head shall be as per requirement.	Casing – 2% Ni Cast Iron Line shaft- SS-304 Pump shaft – SS-304 Impeller – SS-316 Base plate-MS

- G. Following drawings have been provided along with this corrigendum:
1. Composite Fire water piping layout for Main plant
 2. Cable Trench layout for 400 kV Switchyard
 3. Suratgarh cable gallery layout along with under hung cable rack details.
 4. Suratgarh switchyard plan layout
 5. Transformer yard layout drg. (outside switchyard area)
 6. 50 MVAR Reactor BHEL make (Not of Suratgarh project) drgs. – For ref. purpose only
- Note** – 50 MVar Reactor in Suratgarh switchyard will be of BHEL make.



3594.OS
1425.OE

3600 S

1400 E

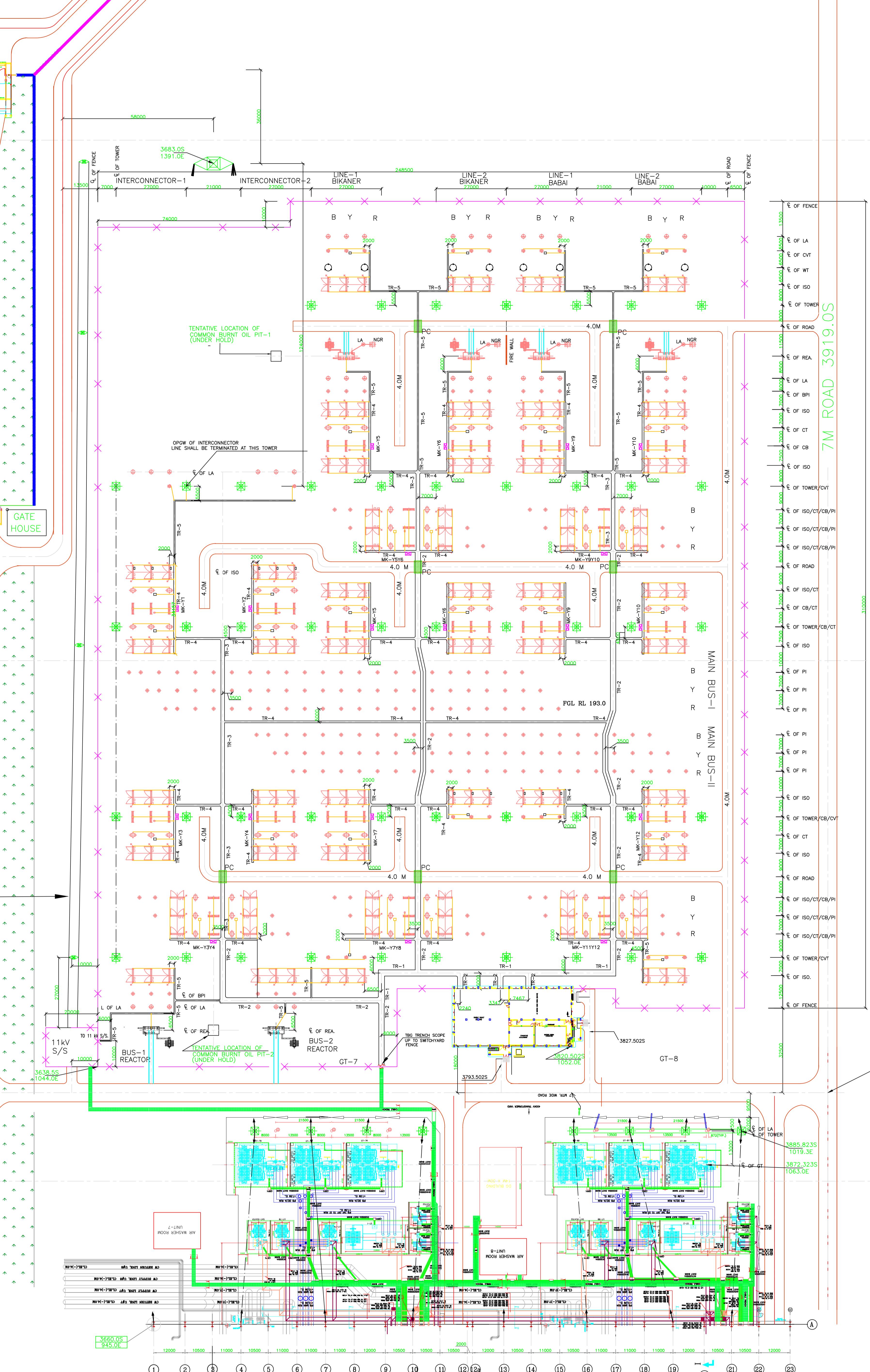
1200 E

1000 E

10M ROAD 3594.OS

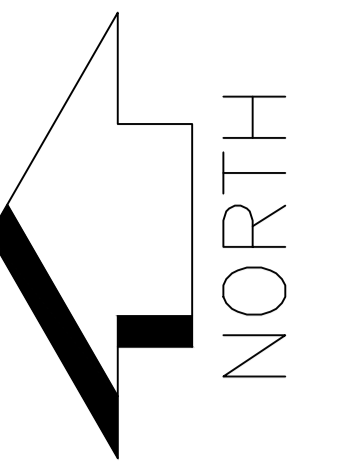
7M ROAD 3919.OS

11kV DOUBLE
CIRCUIT LINE

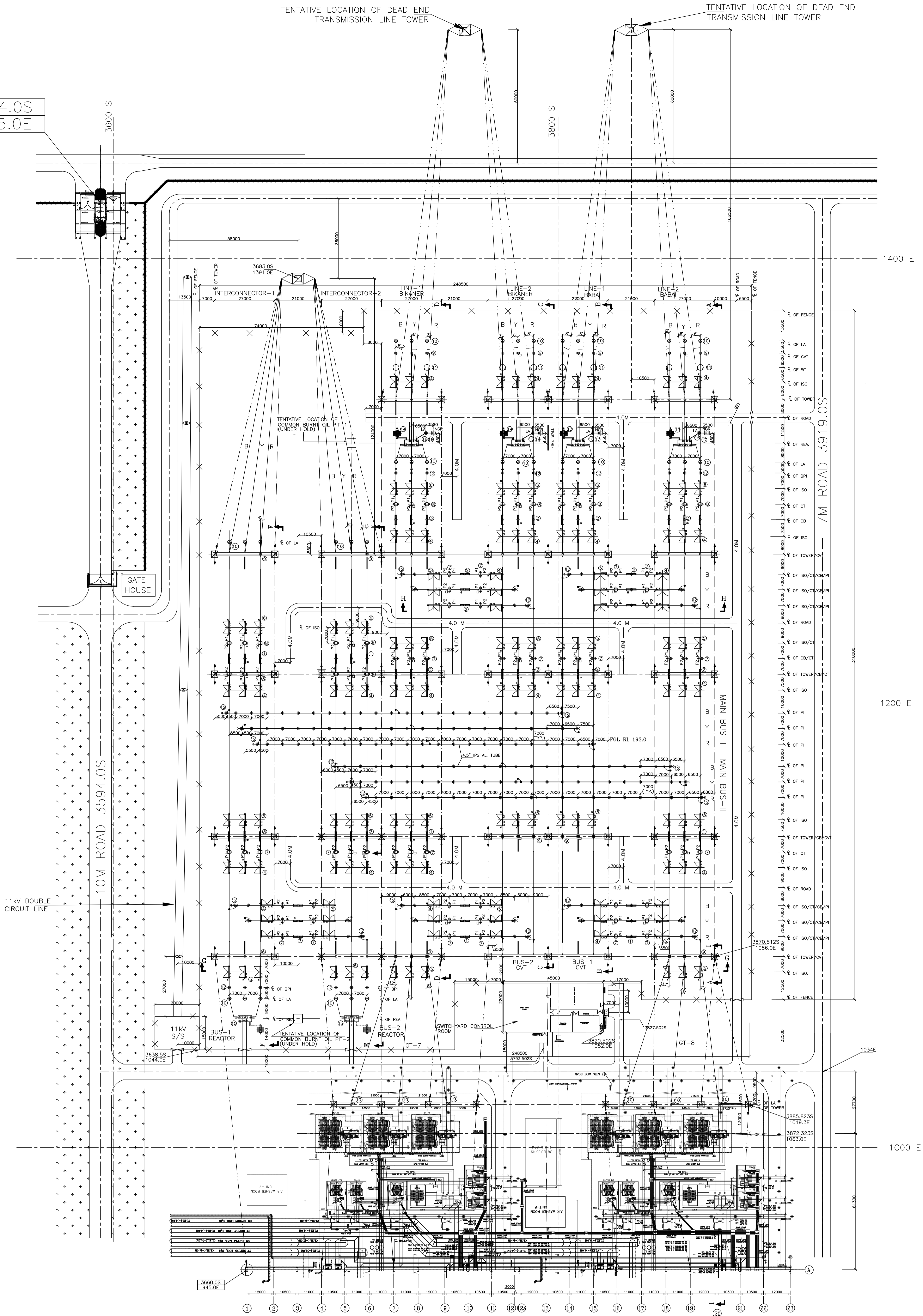


TRENCH LAYOUT PLAN OF UNIT-7 & 8 420kV SWITCHYARD

02	30/01/15	AS PER TCE COMMENT LTR. DTD. 19/1/15.	DM	SK	SKS	RS
01	27/01/15	AS PER TCE COMMENT LTR. DTD. 29/9/14.	DM	SK-SD	SKS-SD	RS-SD
REV.	DATE	REASONS FOR REVISION	DRN.	PREPARED BY	CHECKED BY	APPROVED BY
OWNER RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM LIMITED						
PROJECT 2X660MW THERMAL POWER PLANT, SURAT GARH STAGE -V, UNIT 7 & 8 AT SURATGARH, RAJASTHAN						
OWNER'S ENGINEER TATA CONSULTING ENGINEERS LIMITED						
EPC CONTRACTOR BHARAT HEAVY ELECTRICALS LTD TRANSMISSION BUSINESS GROUP						
			DEPT CODE	NAME	SIGN.	DATE
			422	DRN	DM	-SD- 20.08.13
				DESN	SK	-SD-
				CHD	SKS	-SD-
				APPD	RS	-SD-
TITLE TRENCH LAYOUT PLAN FOR 400kV S/S AT SURATGARH						
CV	ME	EL	I&C	DEPT. SIGN	SCALE	BHEL/SUB VENDOR DRG NO.
					1:650	TB-0-360-316-005
				DATE		SHT. No 02 OF 02 REV. 02

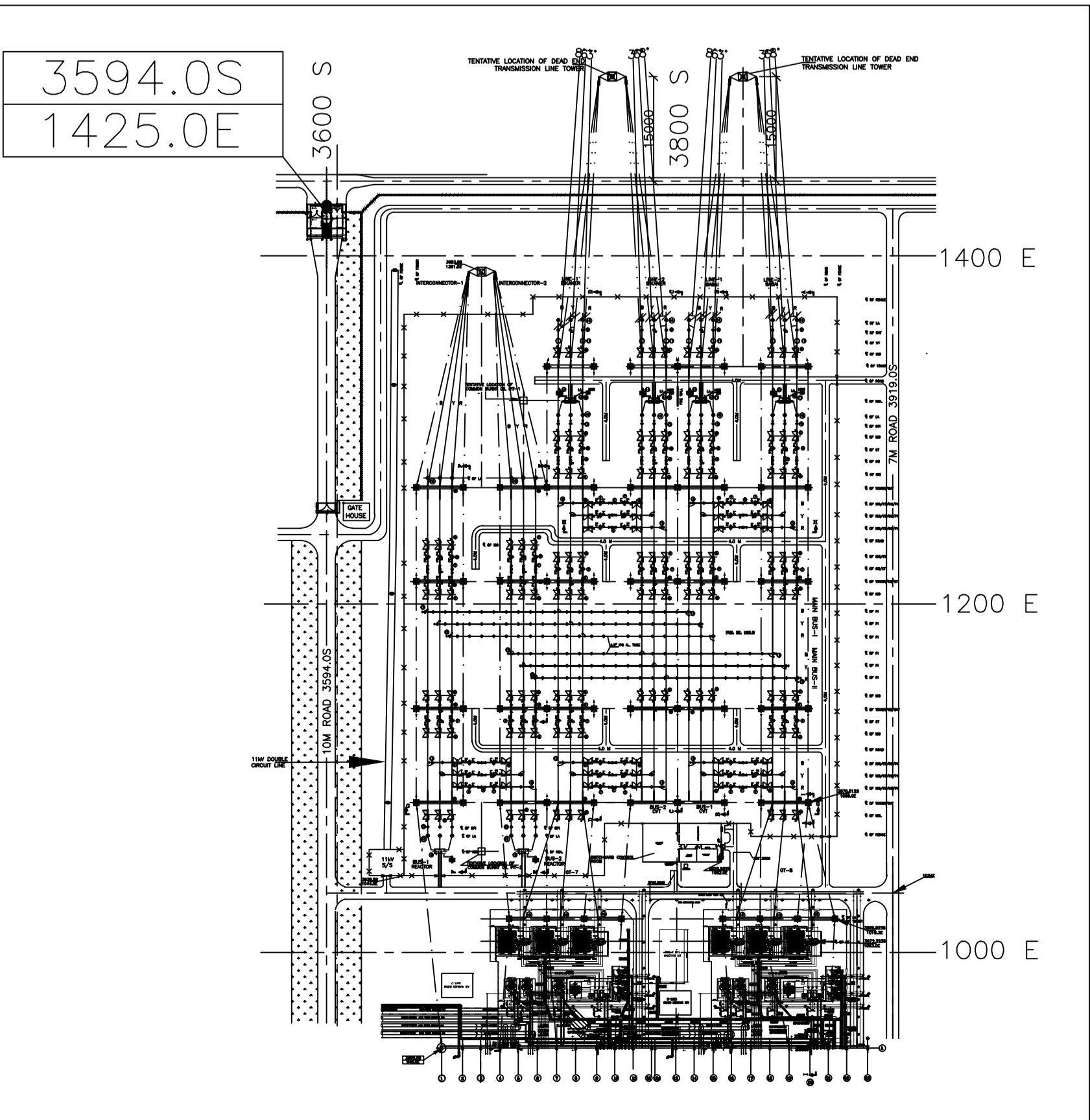


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LAYOUT PLAN OF UNIT-7 & 8 420kV SWITCHYARD

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1425.0E



KEY PLAN

03	13.08.14	AS PER TCE LETTER DATED 27.02.14	RK	SK	SKS	RS
02	05.02.14	AS PER TCE LETTER DATED 29.11.13	RK	SK -SD-	SKS -SD-	RS -SD-
01	04.10.13	AS PER TCE LETTER DATED 16.09.13	RK	SK -SD-	SKS -SD-	RS -SD-
REV.	DATE	REASONS FOR REVISION	DRN.	PREPARED BY	CHECKED BY	APPROVED BY

OWNER
RAJASTHAN RAJYA VIDYUT UTPANDAN NIGAM LIMITED

PROJECT
2X660MW THERMAL POWER PLANT, SURAT GARH STAGE -V, UNIT 7 & 8 AT SURATGARH, RAJASTHAN

OWNER'S ENGINEER
TATA CONSULTING ENGINEERS LIMITED

EPC CONTRACTOR
BHARAT HEAVY ELECTRICALS LTD TRANSMISSION BUSINESS GROUP

DEPT CODE	NAME	SIGN.	DATE
DRN	RK	-SD-	05.08.13
DESN	SK	-SD-	
CHD	SKS	-SD-	
APPD	SS		

TITLE
LAYOUT PLAN FOR 400kV S/S AT SURATGARH

CV	ME	EL	I&C	DEPT.	SCALE	BHEL/SUB VENDOR DRG NO.
				SIGN	1:650	TB-0-360-316-002
				DATE		SHT. No 02 OF 02 REV. 03

