	<b>Project</b>	103.4 MW CCPP AND UPGRADE WORKS OF 33KV NETWORK, AT REPUBLIC OF SIERRA LEONE	<b>Document Title</b>	TYPICAL DRAWING FOR TRANSMISSION LINE		
<b>Document Number</b>	SP-E0018-CEE-ETL-ED-0001		<b>Revision</b>	R0	<b>Sheets</b>	1 OF 1

**PROJECT:** 103.4 MW CCPP AND UPGRADE WORKS OF 33KV NETWORK, AT REPUBLIC OF SIERRA LEONE

**EMPLOYER:**  

**CECA SL GENERATION LIMITED ("CECA SL")**

**EMPLOYER'S ENGINEER (EE):**  

**SARGENT & LUNDY L.L.C**

**CONTRACTOR:**  

**SHAPOORJI PALLONJI & CO. PVT. LTD. (EPC DIVISON)**

**CONTRACTOR'S ENGINEER (CE):**  

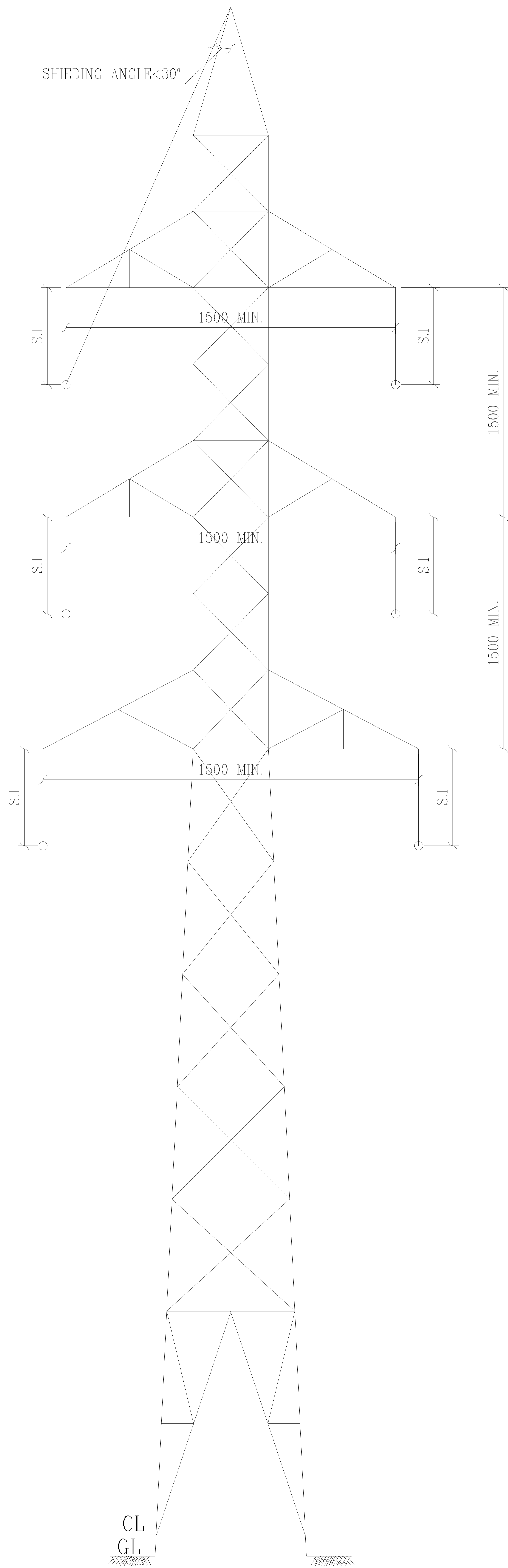
**FICHTNER CONSULTING ENGINEERS (INDIA) PVT. LTD, BENGALURU**

**DOCUMENT TITLE:** TYPICAL DRAWING FOR TRANSMISSION LINE

**SP DOCUMENT NUMBER:** SP-E0018-CEE-ETL-ED-0001

**REVISION STATUS**






	SIGN												
	INITIALS												
	SIGN												
	INITIALS												
R0	SIGN												
	INITIALS	JS	SM	MLC	DM	SK	BP	BM			ISSUE FOR APPROVAL	28.01.2025	
REV		DSN	CHD	APD	CV	EL	IC	ME	QA	APPROVED	DETAILS OF REVISION	DATE	
		FI			SPEPC								



**GENERAL NOTES:-**

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. GL - GROUND LEVEL
3. CL - CONCRETE LEVEL
4. S.I - SUSPENSION INSULATOR
5. CONDUCTOR TYPE - AAC CONDUCTOR
6. WIND DESIGN - FUNDAMENTAL VALUE OF THE BASIC WIND VELOCITY,  $V_{b,0} = 30.9 \text{ m/s}$

FOR ISSUE FOR OWNER'S REVIEW	<input checked="" type="checkbox"/>
FOR ISSUE FOR INFORMATION	<input type="checkbox"/>
FOR ISSUE FOR PURCHASE	<input type="checkbox"/>
FOR ISSUE FOR CONSTRUCTION	<input type="checkbox"/>
FOR AS-BUILT	<input type="checkbox"/>

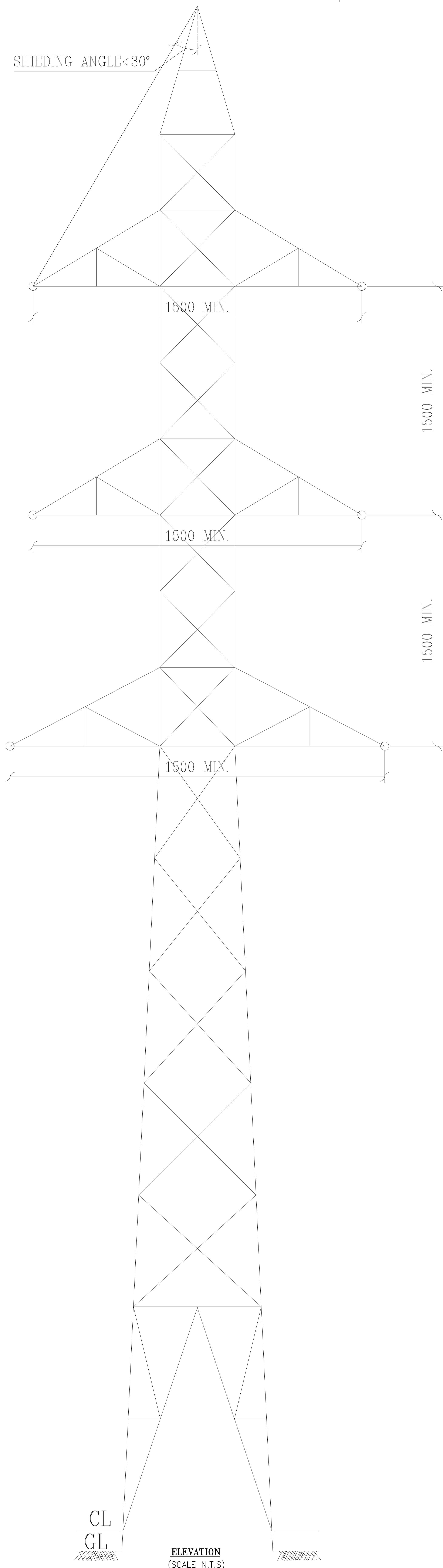
PROJECT	<b>103.4 MW CCPP AND UPGRADE WORKS OF 33KV NETWORK, AT REPUBLIC OF SIERRA LEONE</b>		
EMPLOYER			<b>CECA SL GENERATION LIMITED ("CECA SL")</b>
EMPLOYER'S ENGINEER(E)		<b>SARGENT &amp; LUNDY L.L.C</b>	
CONTRACTOR		<b>SHAPOORJI PALLONJI &amp; CO. PVT. LTD. EPC DIVISION</b>	
CONTRACTOR'S ENGINEER(CE)		<b>FICHTNER CONSULTING ENGINEERS (INDIA) PVT. LTD BENGALURU, INDIA</b>	
DRAWING TITLE:	<b>33 kV D/C TOWERS SUSPENSION TOWER - TYPICAL DRAWING FOR TRANSMISSION LINE</b>		
DATE: 28.01.2025	GROUP: T&D	SCALE: NTS	SHEET: 1 OF 3
CONTRACTOR'S ENGINEER DRAWING NO: SP-E0018-CEE-ETL-ED-0001	REV.	TW	AS JS MLC
CONTRACTOR DRAWING NO:	RO/PO	DRAWING(DSGND) CHECKD	APPVD

ELEVATION  
(SCALE N.T.S)

1	RO/PO	28.01.2025	FIRST SUBMISSION FOR INFORMATION	SR	RV	JS	DAV	MLC
	REV. NO	DATE	REVISION DESCRIPTION	MECH.	CIVIL	ELEC.	C&I	APPD. BY
				CLEARED				CONTRACTOR

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SHIEDING ANGLE < 30°



CL  
GL  
ELEVATION  
(SCALE N.T.S)

**GENERAL NOTES: -**

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. GL - GROUND LEVEL
3. CL - CONCRETE LEVEL
4. CONDUCTOR TYPE - AAC CONDUCTOR
5. WIND DESIGN - FUNDAMENTAL VALUE OF THE BASIC WIND VELOCITY,  $V_{b,0} = 30.9 \text{ m/s}$

FOR ISSUE FOR OWNER'S REVIEW	<input checked="" type="checkbox"/>
FOR ISSUE FOR INFORMATION	<input type="checkbox"/>
FOR ISSUE FOR PURCHASE	<input type="checkbox"/>
FOR ISSUE FOR CONSTRUCTION	<input type="checkbox"/>
FOR AS-BUILT	<input type="checkbox"/>

PROJECT **103.4 MW CCPP AND UPGRADE WORKS OF 33KV NETWORK, AT REPUBLIC OF SIERRA LEONE**

EMPLOYER **CECA SL GENERATION LIMITED ("CECA SL")**

EMPLOYER'S ENGINEER (EE) **SARGENT & LUNDY L.L.C**

CONTRACTOR **SHAPOORJI PALLONJI & CO. PVT. LTD. EPC DIVISION**

CONTRACTOR'S ENGINEER (CE) **FICHTNER CONSULTING ENGINEERS (INDIA) PVT. LTD BENGALURU, INDIA**

DRAWING TITLE: **33 kV D/C TOWERS TENSION TOWER ( SMALL ANGLE TO LARGE ANGLE ) - TYPICAL DRAWING FOR TRANSMISSION LINE**

DATE: 28.01.2025 | GROUP: T&D | SCALE: NTS | SHEET: 1 OF 3

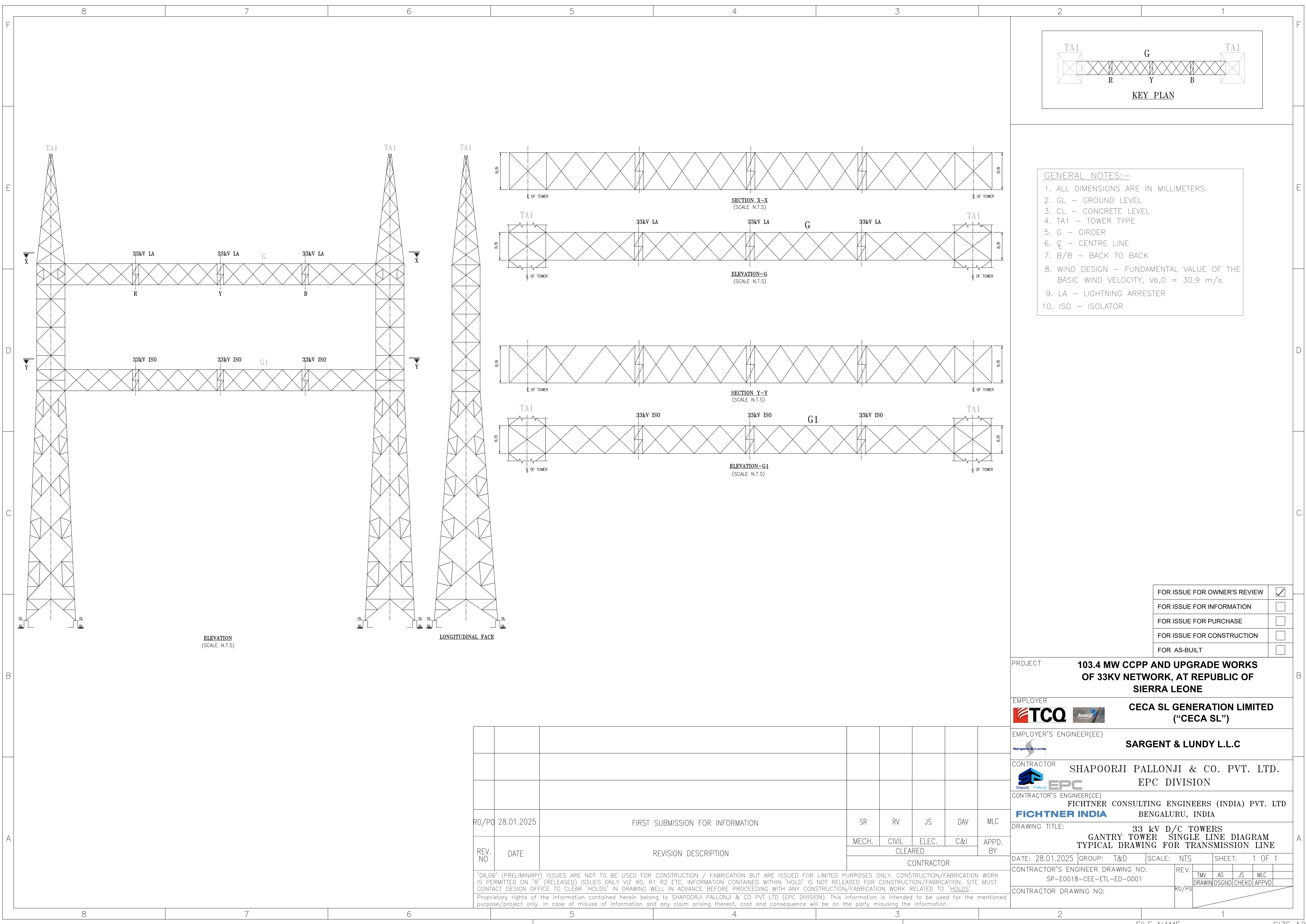
CONTRACTOR'S ENGINEER DRAWING NO: SP-E0018-CEE-ETL-ED-0001

CONTRACTOR DRAWING NO:

REV. NO	DATE	REVISION DESCRIPTION	MECH.	CIVIL	ELEC.	C&I	APPD. BY
1	28.01.2025	FIRST SUBMISSION FOR INFORMATION	SR	RV	JS	DAV	MLC
CONTRACTOR							




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- GENERAL NOTES:-**
1. ALL DIMENSIONS ARE IN MILLIMETERS.
  2. GL - GROUND LEVEL
  3. CL - CONCRETE LEVEL
  4. TA1 - TOWER TYPE
  5. G - GIRDER
  6. C - CENTRE LINE
  7. B/B - BACK TO BACK
  8. WIND DESIGN - FUNDAMENTAL VALUE OF THE BASIC WIND VELOCITY,  $V_{b,0} = 30.9 \text{ m/s}$
  9. LA - LIGHTNING ARRESTER
  10. ISO - ISOLATOR

FOR ISSUE FOR OWNER'S REVIEW	<input checked="" type="checkbox"/>
FOR ISSUE FOR INFORMATION	<input type="checkbox"/>
FOR ISSUE FOR PURCHASE	<input type="checkbox"/>
FOR ISSUE FOR CONSTRUCTION	<input type="checkbox"/>
FOR AS-BUILT	<input type="checkbox"/>

PROJECT	<b>103.4 MW CCPP AND UPGRADE WORKS OF 33KV NETWORK, AT REPUBLIC OF SIERRA LEONE</b>									
EMPLOYER	 <b>CECA SL GENERATION LIMITED ("CECA SL")</b>									
EMPLOYER'S ENGINEER(EE)	 <b>SARGENT &amp; LUNDY L.L.C</b>									
CONTRACTOR	 <b>SHAPOORJI PALLONJI &amp; CO. PVT. LTD. EPC DIVISION</b>									
CONTRACTOR'S ENGINEER(CE)	<b>FICHTNER CONSULTING ENGINEERS (INDIA) PVT. LTD BENGALURU, INDIA</b>									
DRAWING TITLE:	<b>33 kV D/C TOWERS GANTRY TOWER SINGLE LINE DIAGRAM TYPICAL DRAWING FOR TRANSMISSION LINE</b>									
DATE: 28.01.2025	GROUP: T&D	SCALE: NTS SHEET: 1 OF 1								
CONTRACTOR'S ENGINEER DRAWING NO: SP-E0018-CEE-ETL-ED-0001	REV:	<table border="1"> <tr> <td>TMV</td> <td>AS</td> <td>JS</td> <td>MLC</td> </tr> <tr> <td>DRAWING DSGND</td> <td>CHEKDI</td> <td>APPVD</td> <td></td> </tr> </table>	TMV	AS	JS	MLC	DRAWING DSGND	CHEKDI	APPVD	
TMV	AS	JS	MLC							
DRAWING DSGND	CHEKDI	APPVD								
CONTRACTOR DRAWING NO:	R0/P0									

REV. NO	DATE	REVISION DESCRIPTION	MECH.	CIVIL	ELEC.	C&I	APPD. BY
R0/P0	28.01.2025	FIRST SUBMISSION FOR INFORMATION	SR	RV	JS	DAV	MLC
			CLEARED				
			CONTRACTOR				

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