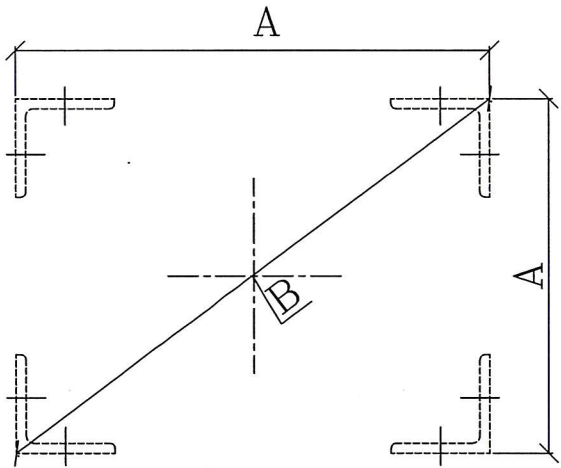


TOWER SLOPE	
TAN B	0.16553333
2TAN B	0.33106666
FACE	1.01360805
DEVELOP	1.0270358



TOWER TYPE	A	B
2T ±0.0M	6351.19	8981.94
2T +1.5M	6847.79	9684.24
2T +3.0M	7344.39	10386.54
2T +4.5M	7840.99	11088.83
2T +6.0M	8337.59	11791.13
2T +9.0M	9330.79	13195.73

MARK NO.	QTY/TWR PC	DESCRIPTION	SECTION	LENGTH MM.	WT/MTR KG	WT/PC * KG	TOTAL WT* KG
2T-S1H	4	STUB	L200x200x25(H)	2513	73.9	192.21	768.84
2T-S2H	12	CLEAT	L130x130x12(H)	170	23.5	4.13	49.56
2T-S2XH	12	CLEAT	L130x130x12(H)	170	23.5	4.13	49.56
2T-S3H	12	CLEAT	L130x130x12(H)	200	23.5	4.86	58.32
* 3.5% ADDITIONAL WT. FOR GALVANISING							

TOTAL WT. : 926.28 KG.

This approval is subjected to the satisfactory performance under full scale proto type load test

TOP PLAN OF STUB

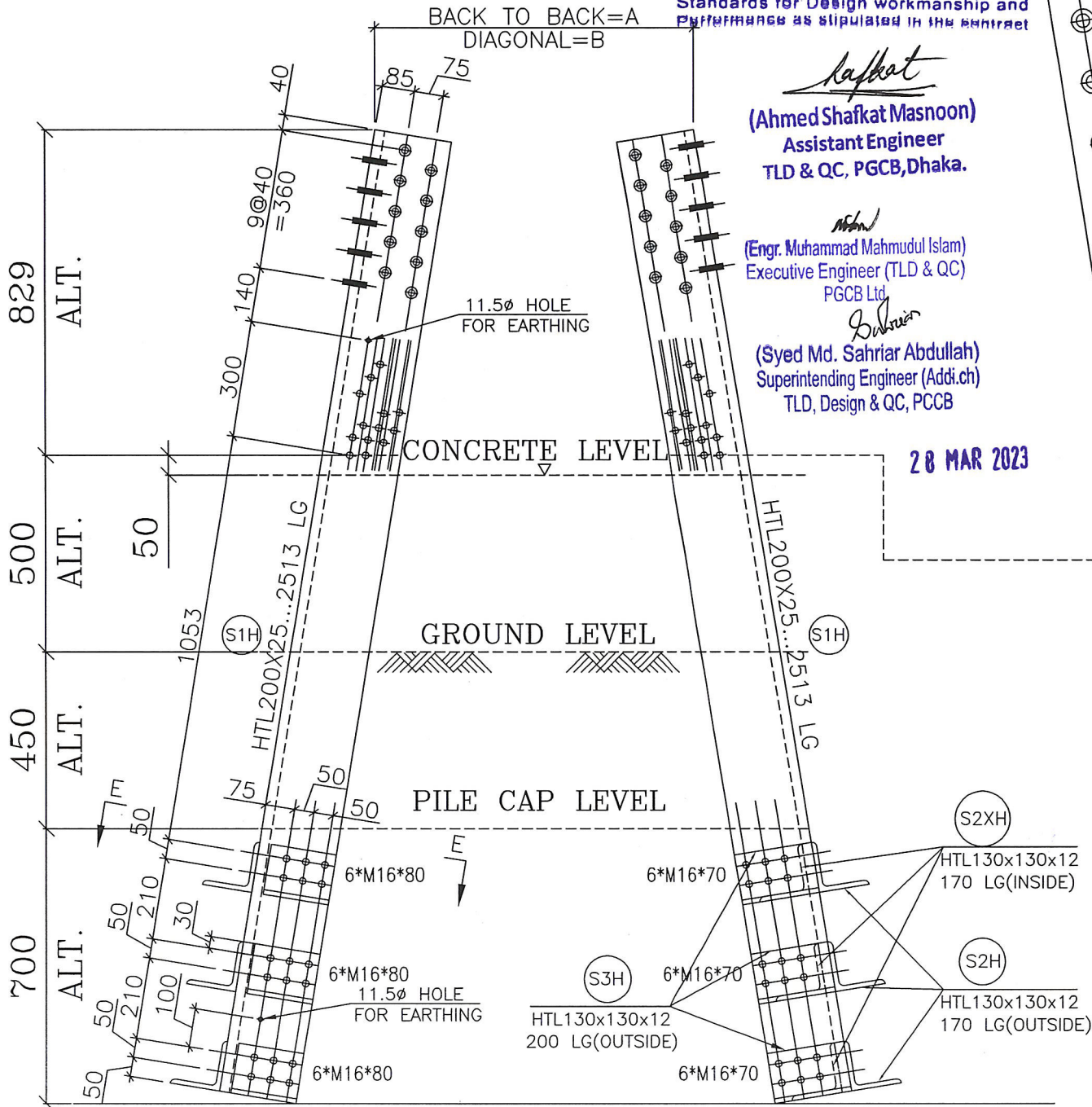
POWER GRID COMPANY OF BANGLADESH
APPROVED WITH COMMENTS
This approval is general only and does not Release the manufacturer/contractor/supplier From compliance with specification and Standards for Design workmanship and Performance as stipulated in the contract

(Ahmed Shafkat Masnoon)
Assistant Engineer
TLD & QC, PGCB,Dhaka.

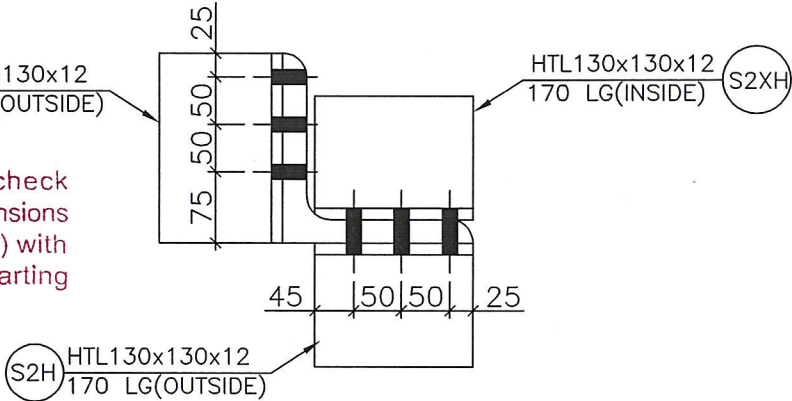
(Engr. Muhammad Mahmudul Islam)
Executive Engineer (TLD & QC)
PGCB Ltd.

(Syed Md. Sahriar Abdullah)
Superintending Engineer (Addi.ch)
TLD, Design & QC, PCCB

28 MAR 2023



The Contractor must recheck and match necessary dimensions (K-point width, slope, etc) with tower drawings before starting foundation work.



SECTION E-E

	16 ø x 70 LONG	76
	16 ø x 80 LONG	76
	PLAIN WASHERS 3mm (16mm DIA)	152
	SPRING WASHERS 4mm(16mm DIA)	152
MARK	DESCRIPTION	QTY./SET
REQUIREMENT OF BOLTS & NUTS (with 5% EXTRA) FOR STUB		

2	13.03.2023	REVISED AS PER PGCB COMMENTS	R. Paul
1	06.02.2023	REVISED AS PER PGCB COMMENTS	R. Paul
0	15.10.2022	FIRST ISSUE	R. Paul
REV.	DATE	DESCRIPTION	DRN.

CONTRACTOR: HG POWER TRANSMISSION SDN BHD.

CLIENT : POWER GRID COMPANY OF BANGLADESH LTD.

PROJECT : Design, Supply, Installation, Testing and Commissioning of 230kV & 132kV Transmission Lines, on Turnkey Basis, Package 1.2

CONTRACT NO. : PGCB/KfW/BMZ.2014.67.976/2018/Package-1.2

TITLE : DETAIL DRAWING OF STUB & CLEAT FOR TOWER TYPE "2T"

FOR BODY EXT. +0M,+1.5M,+3M,+4.5M,+6M,+9M

DESIGN BY : Milton	CHECKED BY : Razu Ahmed	APPROVED BY:
DRAWN BY : Raju Paul	DATE : 06.02.2023	SCALE : N. T. S.
DRAWING No.: PGCB/HGPT/2T/STUB/DS/01		SHEET No. 1 OF 1

NOTES :

- ALL DIMENSIONS ARE IN MM.
- 17.5 DIA HOLES FOR 16 DIA BOLTS
- 26 DIA HOLES FOR 24 DIA BOLTS
- ALL ERECTION MARKS SHALL BE PREFIXED WITH '2T-XXXX' H SHALL THE BE STAMPED WHEN THE NUMBERS ARE FABRICATED FROM HIGH TENSILE STEEL.
- ALL MEMBERS ARE TO BE HOT DIP GALVD. AS PER BS:729.
- HIGH TENSILE – BSEN 10025 GRADE S355JO. YIELD STRENGTH 355N/sq.mm
MILD STEEL – BSEN 10025 GRADE S275JR. YIELD STRENGTH 275N/sq.mm
- BOLTS & NUTS SHALL BE AS PER ISO:898, GRADE 5.6

