





NOTES:

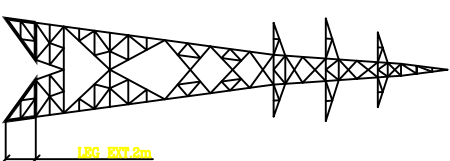
- 1- ALL DIMENSION ARE IN MILLIMETERS.
- 2- DO NOT SCALE THE DRAWING
- 3- DIAMETERS OF HOLE ARE AS FOLLOWS:  
Ø21.5 mm FOR M20, Ø17.5 mm FOR M16  
Ø13.5 mm FOR M12 BOLTS.
- 4- EACH BOLT ASSEMBLY INCLUDES ONE BOLT  
ONE NUT AND ONE SPRING WASHER.
- 5- EACH STEP BOLT ASSEMBLY INCLUDES ONE STEP BOLT,  
TWO NUTS AND TWO SPRING WASHER.
- 6- GRADE OF BOLTS IS 5.8
- 7- THE STEEL MEMBER IDENTIFIED BY "H" ARE ST132  
OTHER MEMBERS ARE ST137

SYMBOLS AND ABBREVIATIONS	
DESCRIPTION	SYMBOL
CENTER LINE	<i>CL</i>
PLATE	<i>PL</i>
ANGLE	<i>L</i>
SPLICE	<i>SP</i>
HIGH TENSILE	<i>HL</i>
BEND LINE	<i>BL</i>
NEAR SIDE	<i>N.S.</i>
FAIR SIDE	<i>F.S.</i>
Ø 14 mm HOLE	
Ø 17.5 mm HOLE	
Ø 22 mm HOLE	
HOLE FOR STEP BOLT	
SPECIFICATION FOR MATERIALS	

NO.	ITEM	REFERENCE	
		Specific Requirements	Technical Delivery Conditions
1	ANGLE	DN 10000-8	DN 10000-8 MUD STEERING SENSOR MUD LOSS MUD LOSS-3
2	GROSS PUMP	DN 10040	MUD STEERING SENSOR MUD LOSS-3 MUD STEERING SENSOR
3	FLUID PUMP	DN 10040	MUD STEERING SENSOR MUD LOSS-3 MUD STEERING SENSOR
4	BOLE	DN 7000	SD 000-pwd/Groble 6.6
5	WOT	DN 4008	SD 000-pwd/Groble 6
6	SEMI-SEMI	DN 127	DN 307-pwt 30
7	PAINT	DN 80 4700-3	DN 80 4700-3
8	WASHER	DN 80 4700-3	DN 80 4700-3
9	CALIBRATOR	DN 80 4700-3	DN 80 4700-3

**Note:** 1-Application of an equal and approved material is allowed only after the written permission of consultant.

LIST OF BOLT & NUTS & WASHERS INCLUDING 3% EXTRA			
LENGTH	QTY.	LENGTH	QTY.
M16x55mm	22	10mm PLCK. W.	03
M16x40mm	03	12mm PLCK. W.	03
M16x55mm	10	S/D. SP. WASHER	61
M16x55mm	28		



NO.	DESCRIPTION	M.O.	M.O.	M.M.	ISSY/rg/ct
BY	CHGO.	APPR.	DATE		
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">  INFORMATION ACCORDING TO LETTER NO. 24/20011            20/10/2001         </div> <div>DESCRIPTION</div> </div> <div> <div>BY</div> <div>CHGO.</div> <div>APPR.</div> <div>DATE</div> </div> </div> </div>					

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