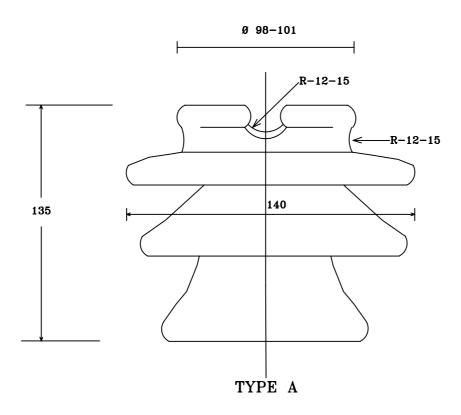


Silicon Polymer Pin Insulator

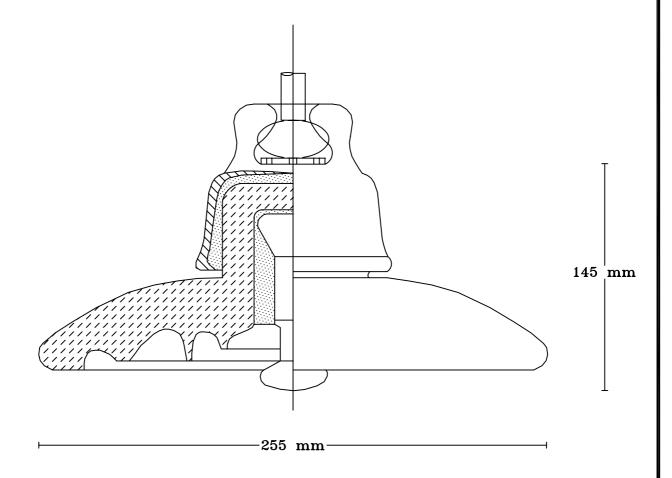


Applicable Standard IS: 731

Drawing **CS11-LM-05**

11 kV Pin Insulator

Silicone Polymer Disc Insulator



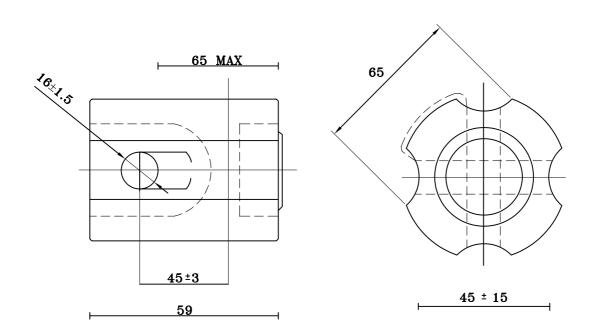
Applicable Standard IS: 731 & IS: 3188

Drawing **CS11-LM-06**

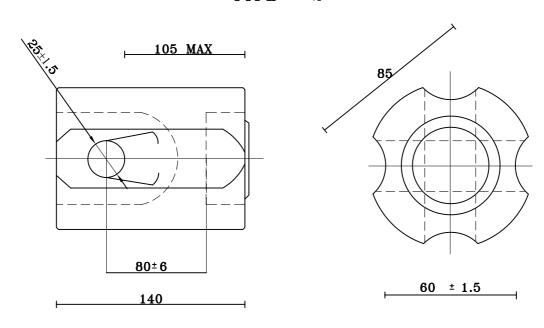
Disc Insulator

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



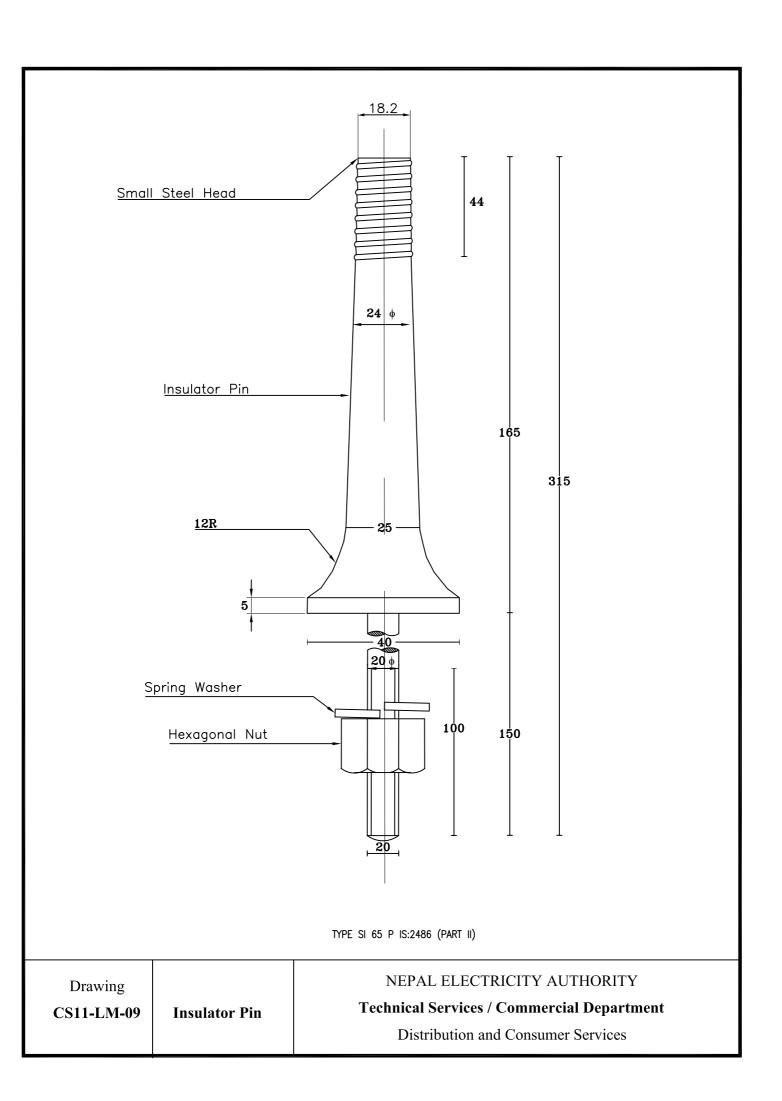
TYPE - 2

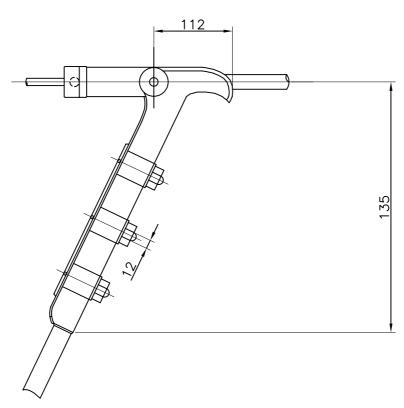


TYPE - 1

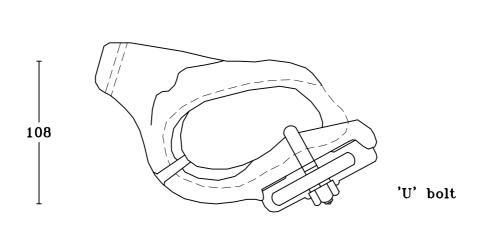
Applicable Standard IS: 5300

Drawing		NEPAL ELECTRICITY AUTHORITY
CS11-LM-08	Stay Insulator	Technical Services / Commercial Department
		Distribution and Consumer Services





TYPE A (Straight Type)



167

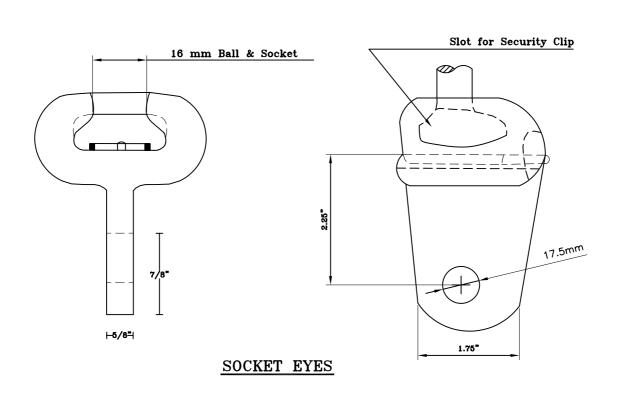
TYPE B (Snail Type)

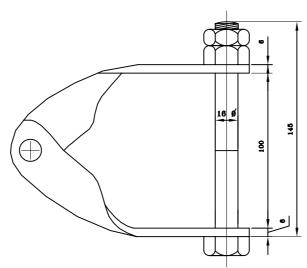
Drawing CS11-LM-10

Tension Clamp

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



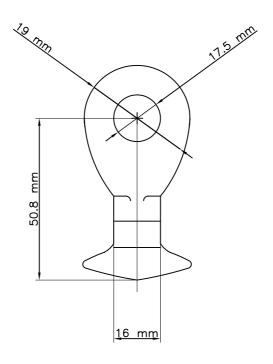


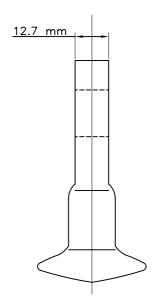
Section: 50 X 6.0 mm

BACK STRAP

Drawing **CS11-LM-11**

Hardwares for Tension Set





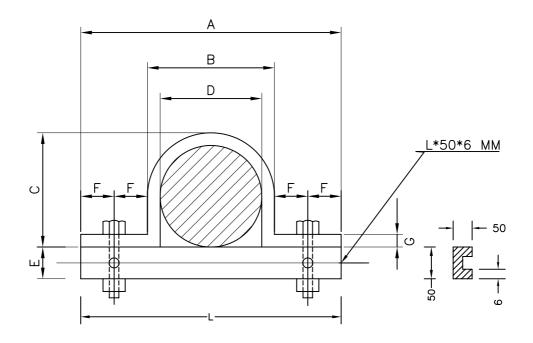
BALL EYES

Drawing **CS11-LM-12**

Hardwares for Tension Set

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



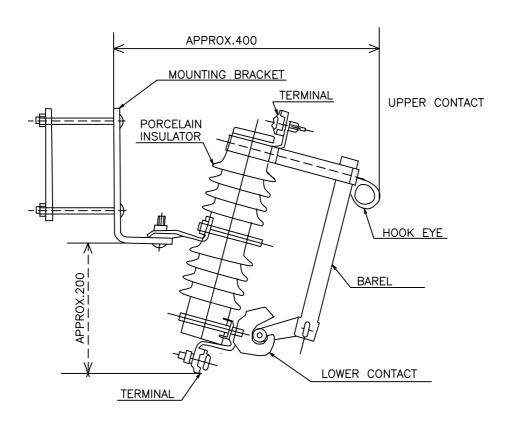
D (Pole Dia.)	Α	В	С	E	F	G
88.9	200.9	100.9	94.9	50	25	6
114.3	226.3	126.3	120.3	50	25	6
139.7	251.7	151.7	145.7	50	25	6
165.1	277.1	177.1	171.1	50	25	6

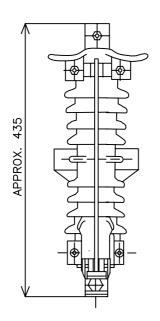
ALL DIMENSIONS ARE IN MM

Drawing **CS11-LM-14**

Pole Clamp (Tubular Poles) NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department





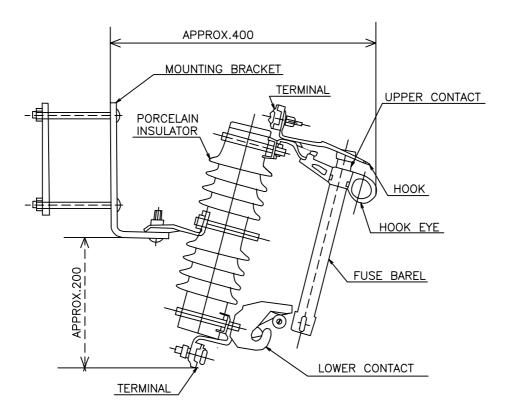
Terminal : Bolted Type Suitable for copper wire 8mm Porcelian color : Brown/white

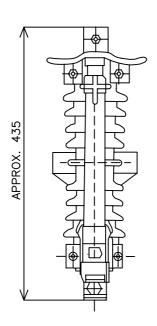
Drawing **CS11-LM-16**

Disconnet Switch

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department





Terminal : Bolted Type Suitable for copper wire 8mm Porcelian color : Brown/white

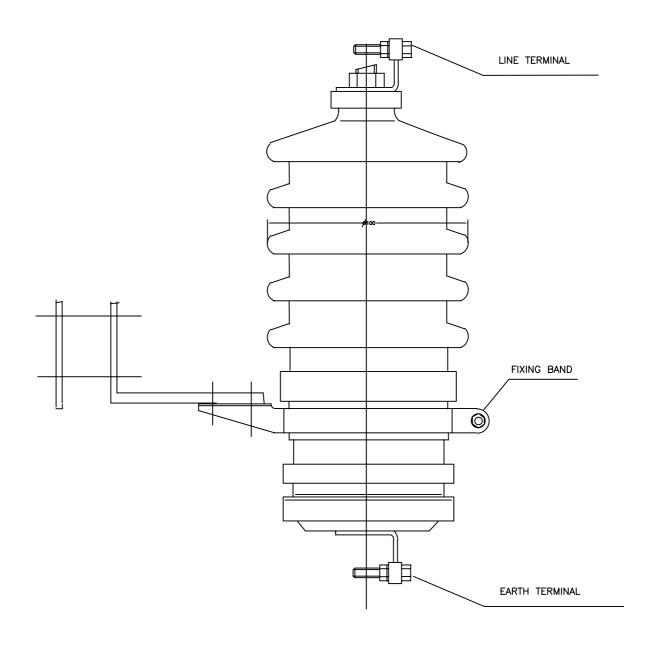
Drawing **CS11-LM-17**

Cut Out Switch

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department

9 kV Silicon Polymer Lighting Arrestor

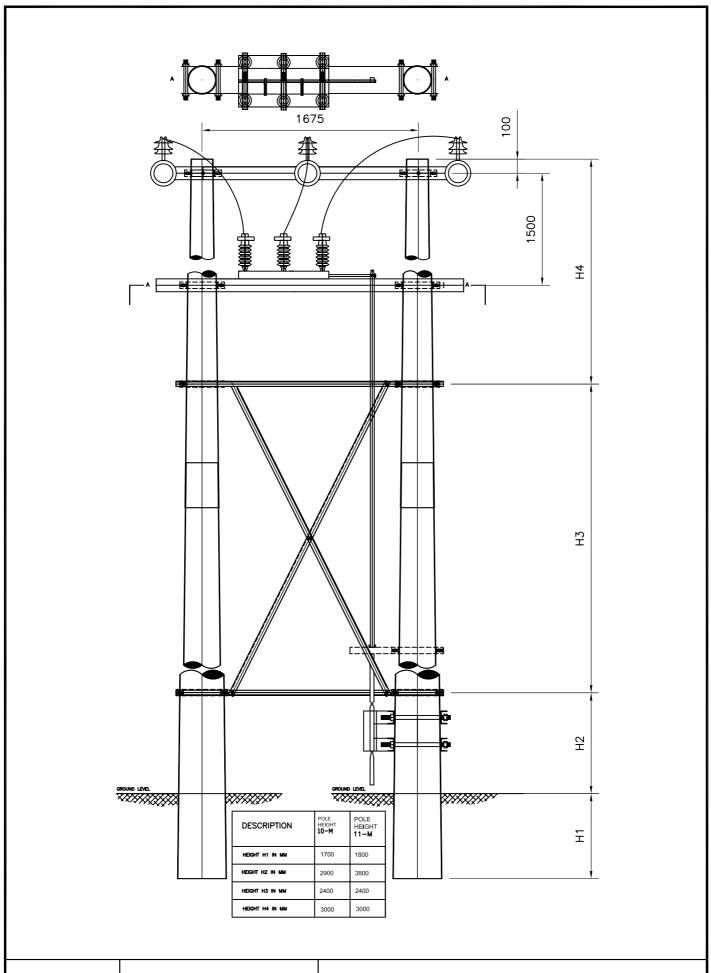


Drawing **CS11-LM-18**

Lightning Arrester

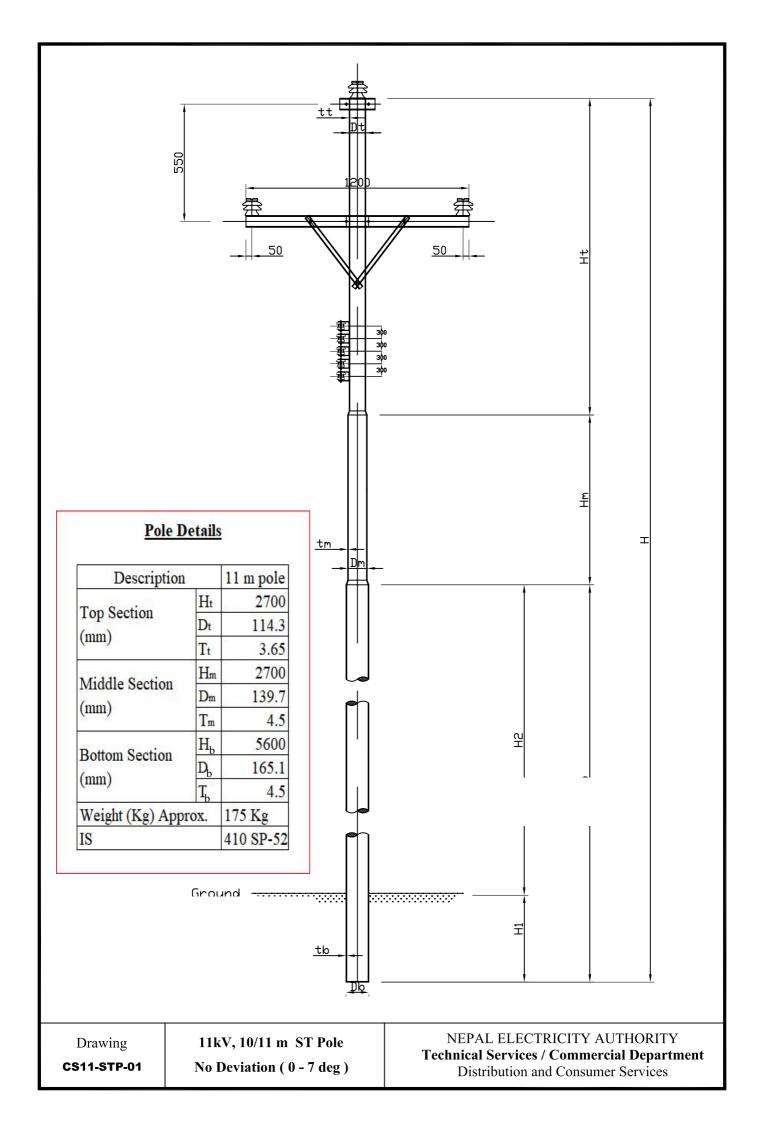
NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



Drawing **CS11-LM-19**

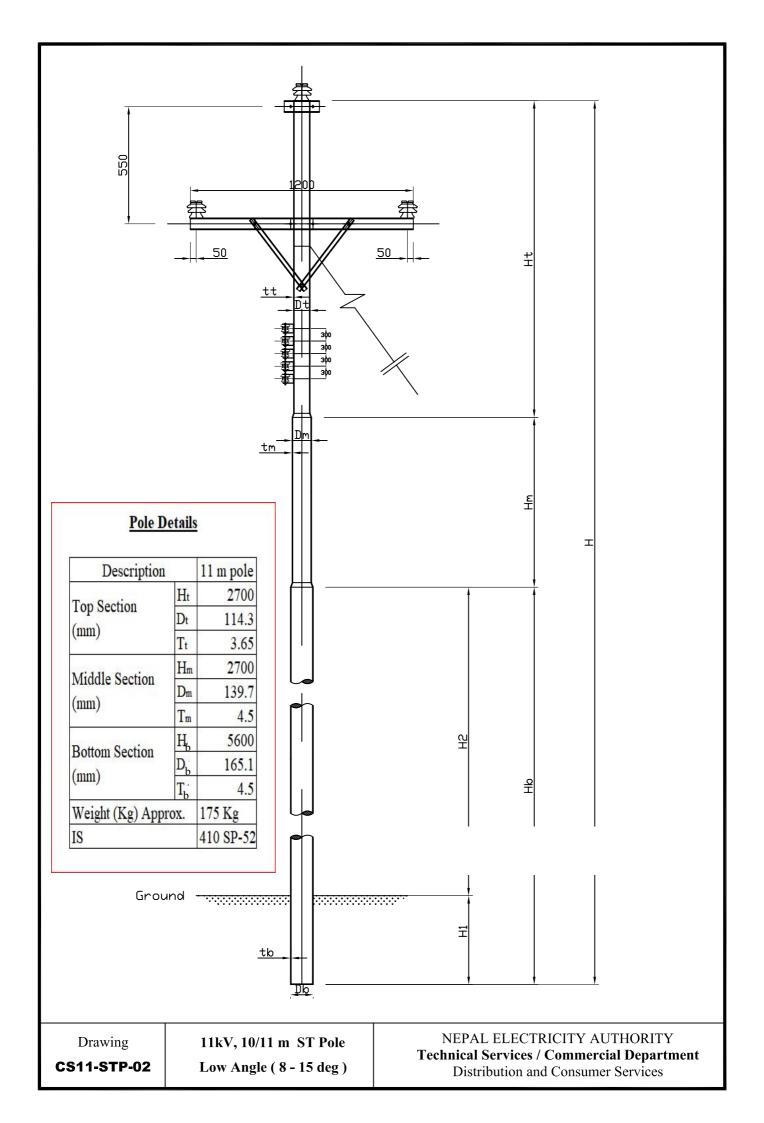
10/11 m Pole Mounting
Disconnet Switch



Refer Drawing No: CS11-STP- 01

	S.No.	QTY.	UNIT	MATERIAL
•	1	3	NOS	PIN INSULATOR
	2	3	NOS	INSULATOR PIN
	3	3	NOS	PREFORM PIN TIES (TOP TIES)
•	4	1	NOS	STEEL CROSSARM CHANNEL (100x 50x6.4x300) mm.
	5	1	SET	POLE CLAMP WITH NUT,BOLT AND WASHERS (TC1)
	6	1	NOS	STEEL CROSSARM CHANNEL (100x 50x6.4x1200) mm.
•	7	1	SET	POLE CLAMP WITH NUT,BOLT AND WASHERS (TC2)
	8	2	NOS	FLAT CROSSARM BRACE(40x 6.0x660) mm
•	9	2	SET	BOLTS WITH SUITABLE NUTS AND WASHERS (12 x51) mm
·	10	1	SET	BOLTS WITH SUITABLE NUTS AND WASHERS (16 x305) mm
	11	1	NOS	STEEL TUBULAR POLE 10 m /11m

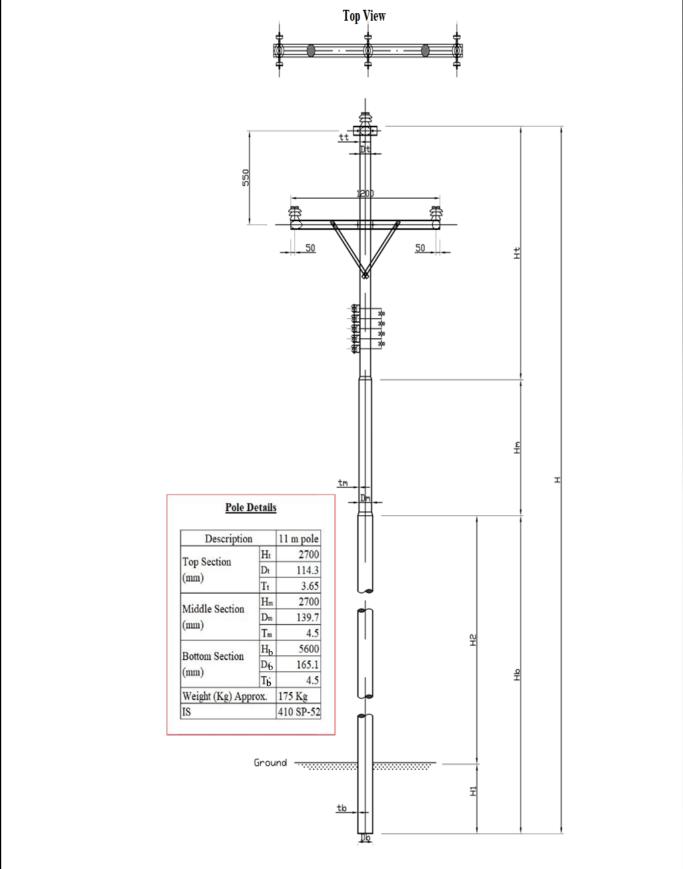
CONSTRUCTION STANDARDS
11 kV SINGLE ARM STRUCTURE (SA)
STEEL TUBULAR POLE



Refer Drawing No: CS11-STP- 02

S.No.	QTY.	UNIT	MATERIAL
1	3	NOS	PIN INSULATOR
2	3	NOS	INSULATOR PIN
3	3	NOS	PREFORM PIN TIES (TOP TIES)
4	1	NOS	STEEL CROSSARM CHANNEL (100 x 50 x 6.4 x 300) mm.
5	1	NOS	STEEL CROSSARM CHANNEL (100 x 50 x 6.4 x 1200) mm.
6	2	NOS	FLAT CROSSARM BRACE (40x 6.0 x 660) mm
7	2	SET	BOLTS WITH SUITABLE NUTS AND WASHERS (12 x 51) mm
8	1	SET	BOLTS WITH SUITABLE NUTS AND WASHERS (16 x 203) mm
9	1	SET	POLE CLAMP WITH NUT,BOLT AND WASHERS (TC1)
10	1	SET	POLE CLAMP WITH NUT,BOLT AND WASHERS (TC4)
11	1	LOT	HT STAY SET (AS REQUIRED)
12	1	NOS	STEEL TUBULAR POLE 10 m /11m

CONSTRUCTION STANDARDS
11 kV SINGLE ARM STRUCTURE (PLA
STEEL TUBULAR POLE,
LOW ANGLE 8° TO 15°

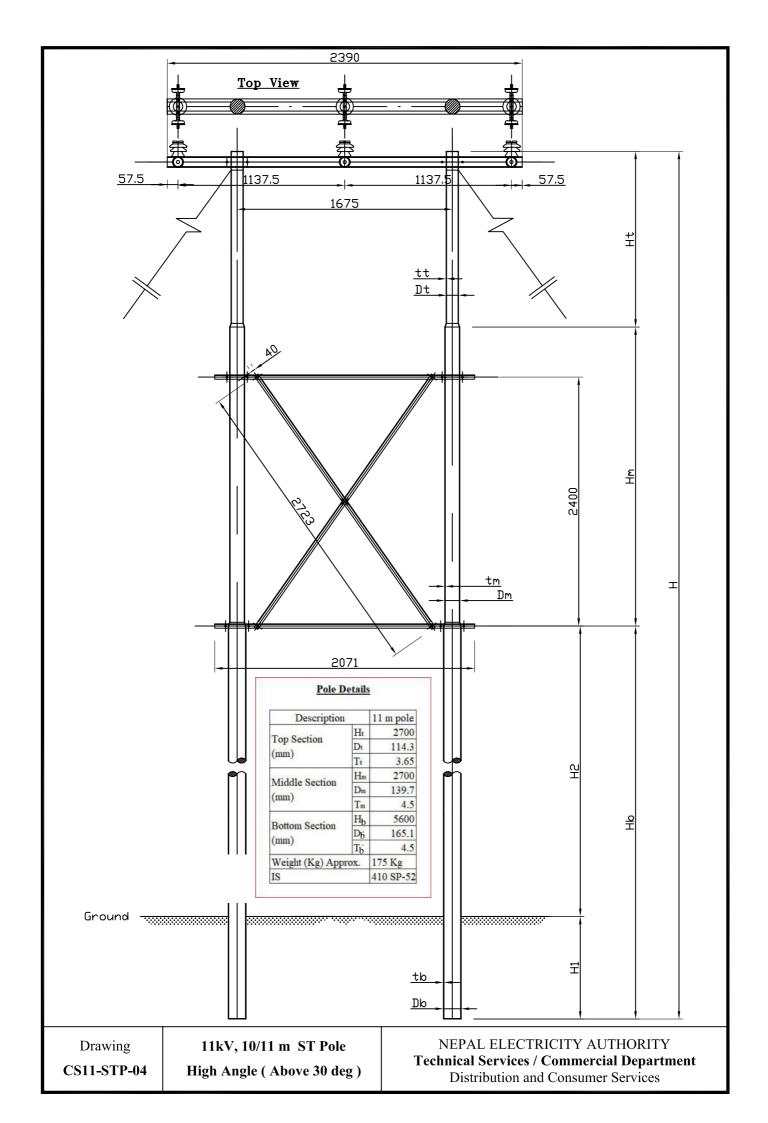


11 KV Double Dead End Structure

DRAWING NO: CS11- STP-08

S.No.	QTY.	UNIT	MATERIAL
1	3	NOS	PIN INSULATOR WITH PIN AND NUTS/WASHER
2	6	SET	DISC INSULATOR WITH HARDWARE
3	6	NOS	DEAD END CLAMPS
4	1	NOS	STEEL CROSSARM CHANNEL (50x100x300) mm.
5	1	NOS	STEEL CROSSARM CHANNEL (50x100x1200) mm.
6	4	NOS	FLAT CROSSARM BRACE (40 X 6 X 660) mm
7	1	LOT	BOLTS WITH SUITABLE NUTS AND WASHERS
8	3	NOS	PREFORMED WIRE (TOP TIE)
9	3	NOS	INSULATED PIERCING CONNECTOR
10	1	NOS	STEEL TUBULAR POLE - 11 M

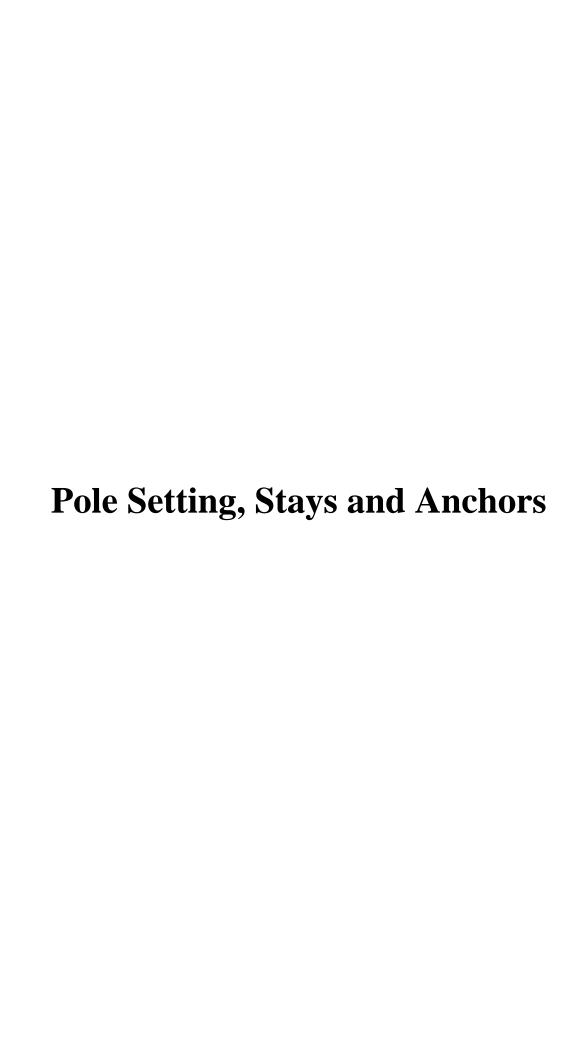
CONSTRUCTION STANDARDS 11 kV DOUBLE DEAD END STRUCTURE (DDE) STEEL TUBULAR POLE NEPAL ELECTRICITY AUTHORITY



Refer Drawing No: CS11-STP- 04

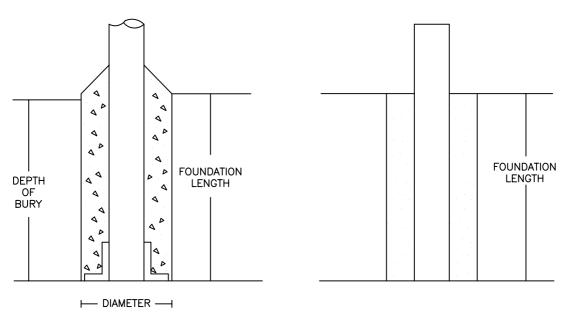
S.No.	QTY.	UNIT	MATERIAL
1	3	NOS	PIN INSULATOR
2	3	NOS	INSULATOR PIN
3	3	NOS	PREFORM PIN TIES (TOP TIES)
4	6	NOS	DISC INSULATOR
5	6	SET	BACK STRAP
6	6	SET	TENSION SET WITH BALL AND SOCKET EYE
7	6	NOS	PG CLAMP
8	2	NOS	STEEL CROSSARM CHANNEL (100x 50x 6.4 x 2390) mm.
9	2	NOS	BRACING ANGLE (40 x 40 x 5 x 2071) mm.
10	2	NOS	CROSSARM BRACING ANGLE (40 x 40 x 5.0 x 2723) mm
11	17	SET	BOLTS WITH SUITABLE NUTS AND WASHERS (12 x 51) mm
12	2	SET	POLE CLAMP WITH NUT,BOLT AND WASHERS (TC4)
13	2	SET	POLE CLAMP WITH NUT,BOLT AND WASHERS (TC5)
14	4	SET	DOUBLE ARMING BOLTS WITH SUITABLE NUTS AND WASHERS (16 x305) mm
15	6	NOS	STRAP FOR INSULATOR STRING (50 x 6 x 396) mm
16	5	SET	HT STAY SET (TYPE AS REQUIRED)
17	2	NOS	STEEL TUBULAR POLE 10 m /11m

CONSTRUCTION STANDARDS				
11 kV H- STRUCTURE				
STEEL TUBULAR POLE ABOVE 30 ⁰				



DI OF LENGTH	DEDTH OF BURN	BURIAL FOUNDATION LENGTH (m.)	SOIL CLASS – Kg./Sq. mm.						
PLOE LENGTH (m.)	DEPTH OF BURIAL (m.)		0.5	0.75	1.0	2.0	3.0	4.0	5.0
			FOUNDATION DIAMETER — mm.						
9	1.5	1.6	1050	860	750	530	430	N/R	N/R
11	1.8	1.9	1080	880	760	540	440	N/R	N/R

N/R = NOT REQUIRED



FUNDATION FOR STEEL TUBULAR AND CONCRETE POLES

FOUNDATION

CONCRETE TO BE USED FOR FOUNDATIONS:

1 PART CEMENT
2 PART SAND
3 PART AGGREGATE
BY VOLUME

WATER — CEMENT RATIO: 32 LITERS — 50Kg. APPROX.

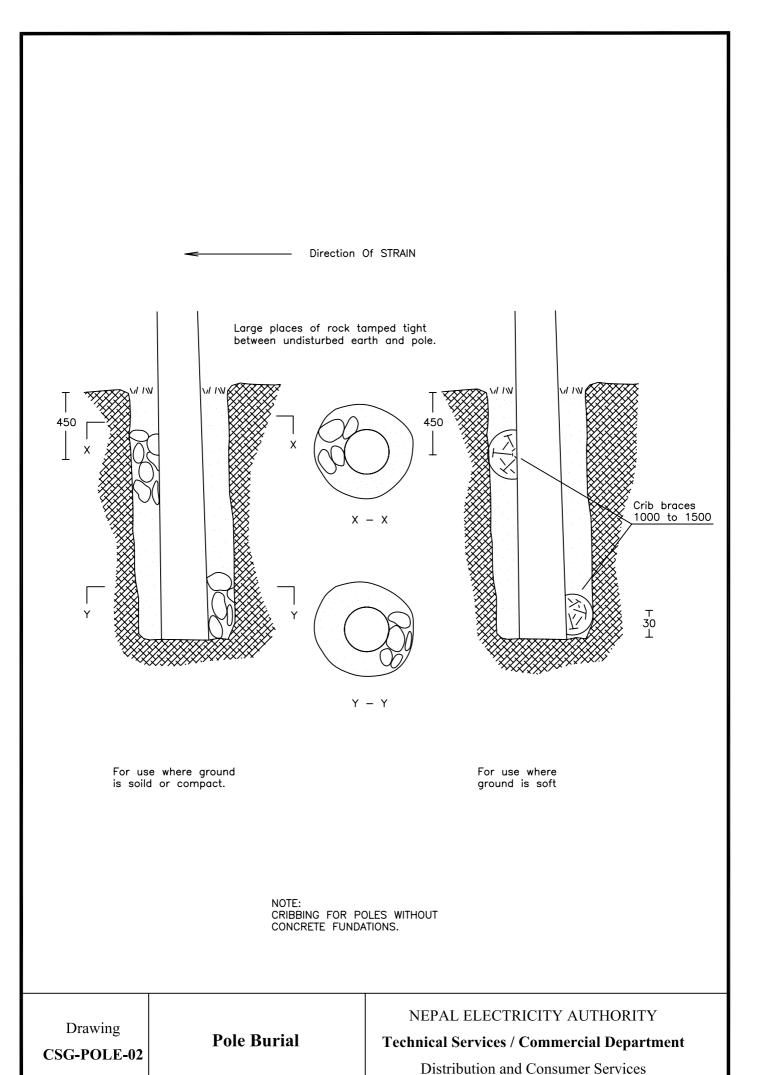
Note: In case of non-galvanized steel pole the foundation above ground level shall be $0.4\ m$ more than that is shown in the drawing.

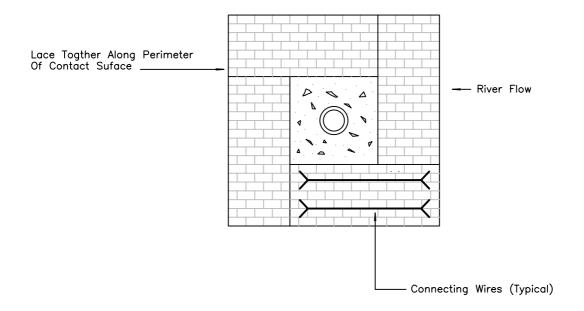
Drawing
CSG-POLE-01

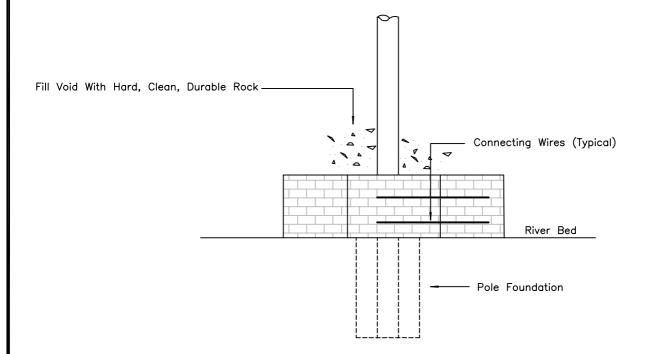
Pole Setting

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



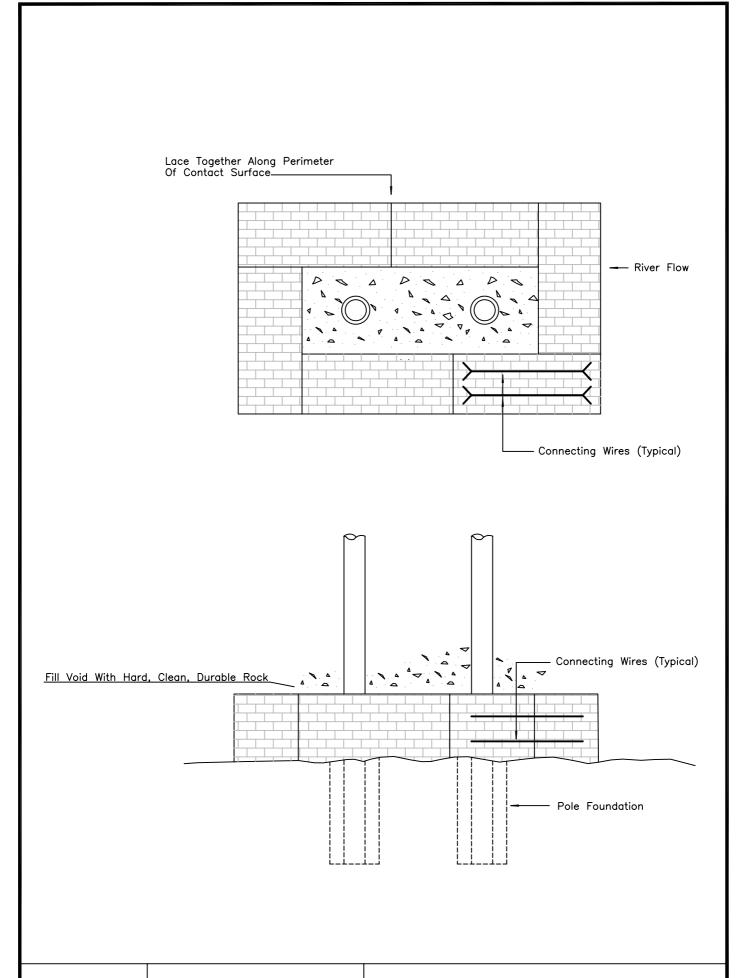




Drawing **CSG-POLE-03**

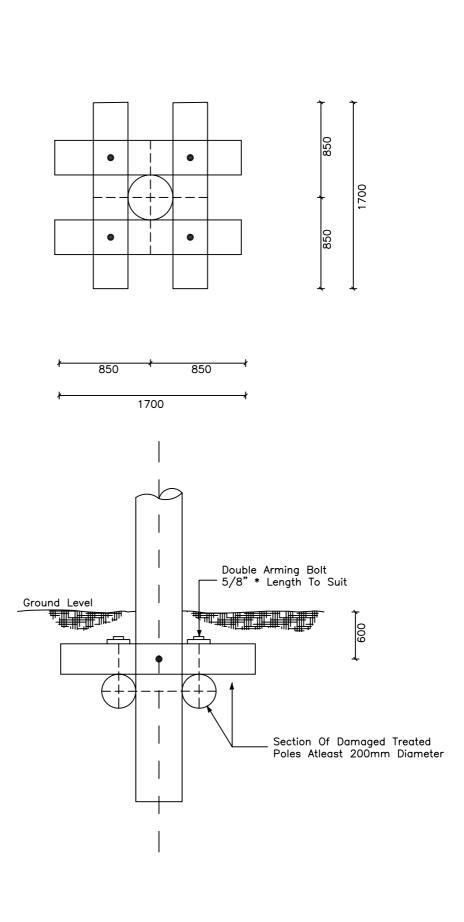
Pole Protection in Shallow River Beds NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



Drawing **CSG-POLE-04**

Pole Protection in Shallow River Beds

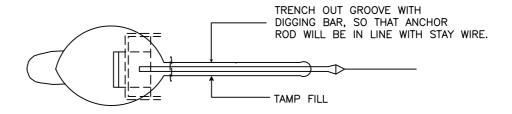


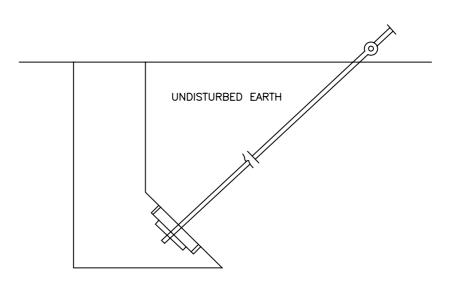
Drawing **CSG-POLE-05**

Pole Bog Shoe

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department





MAKE UNDERCUT AT BOTTOM OF ANCHOR HOLE, PLATE TO BEAR AGAINST UNDISTURBED EARTH.

- 1. BACKFILL SHALL BE THOROUGHLY TAMPED.
- 2. BACKFILL FOR ANCHORS PLACED IN SOFT OR UNSTABLE SOIL SHALL BE 50MM GRAVEL PLACED TO DEPTH OF 1000 MM ABOVE ANCHOR PLATE.

Drawing
CSG-STAY-01

Technical Services / Commercial Department

Refer Drawing No: CSG-Stay-02

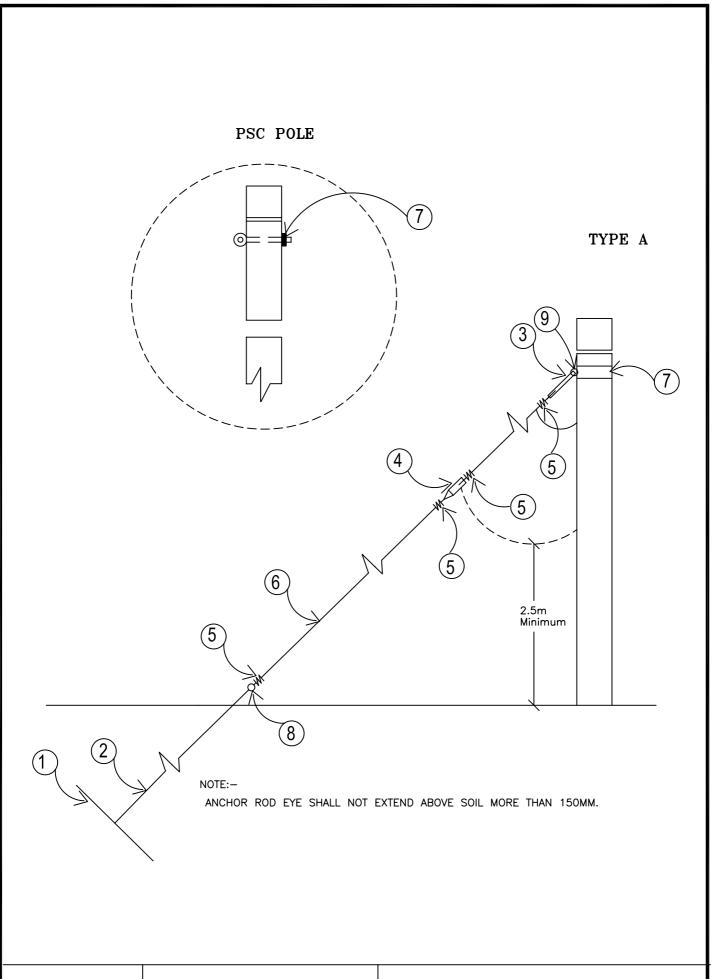
S.No.	QTY.	UNIT	MATERIAL (HT-STAY)	MATERIAL (LT-STAY)	QTY.
1	1	NO	STAY PLATE (MS 600 X 600 MM X 6 MM)	STAY PLATE (MS 300 X 300 MM X 6MM)	1
2	1	NO	STAY ROD 19MM	STAY ROD 16 MM	1
3	2	Set	TURN BUCKLE	TURN BUCKLE	2
4	2	NO	STAY INSULATOR	STAY INSULATOR	2
5	4	SET	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/3.25 mm	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/2.64 mm	4
6	12	М	7/3.25 mm SWG STAY WIRE	7/2.64 mm SWG STAY WIRE	9
7	1	Set	EYE BOLT AND WASHER	EYE BOLT AND WASHERS	1
8	2	NOS	THIMBLE	THIMBLE	2

CONSTRUCTION STANDARDS HT AND LT STAY- TYPE A PSC POLE

Refer Drawing No: CSG-Stay-02

S.No.	QTY.	UNIT	MATERIAL (HT-STAY)	MATERIAL (LT-STAY)	QTY.
1	1	NO	STAY PLATE (MS 600 X 600 MM X 6MM)	STAY PLATE (MS 300 X 300 MM X 6MM)	1
2	1	NO	STAY ROD 19MM	STAY ROD 16 MM	1
3	1	Set	TURN BUCKLE	TURN BUCKLE	1
4	1	NO	STAY INSULATOR	STAY INSULATOR	1
5	4	SET	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/3.25 mm	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/2.64 mm	4
6	12	M	7/3.25 mm SWG STAY WIRE	7/2.64 mm SWG STAY WIRE	9
7	2	Set	BOLT AND WASHER	BOLT AND WASHERS	2
8	2	NOS	THIMBLE	THIMBLE	2
9	1	NO	DOUBLE EYE (TWISTED)	DOUBLE EYE (TWISTED)	1

CONSTRUCTION STANDARDS HT AND LT STAY- TYPE A TELESCOPIC POLE



Drawing **CSG-STAY-02**

Stays and Anchors
HT and LT Stay - Type A

Refer Drawing No:CSG-Stay-03

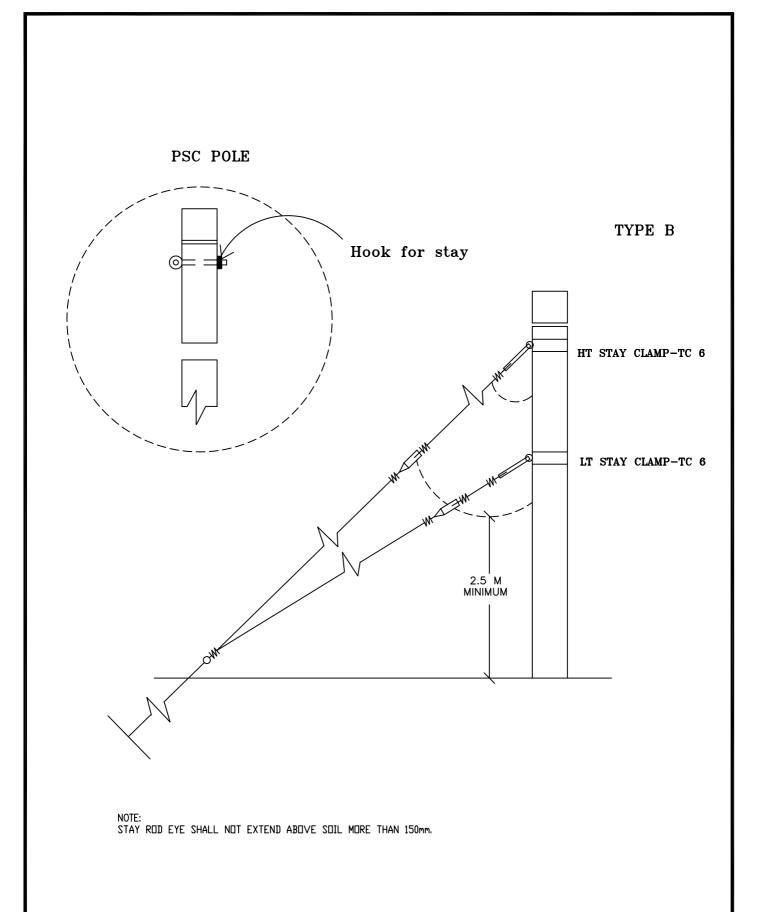
S.No.	QTY.	UNIT	MATERIAL (HT-STAY)	MATERIAL (LT-STAY)	QTY.
1	1	NO	STAY PLATE (MS 600 X 600 MM X 6 MM)	STAY PLATE (MS 300 X 300 MM X 6 MM)	1
2	1	NO	STAY ROD 19MM	STAY ROD 16 MM	1
3	2	Set	TURN BUCKLE	TURN BUCKLE	2
4	2	NO	STAY INSULATOR	STAY INSULATOR	2
5	8	SET	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/3.25 mm	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/2.64 mm	8
6	24	M	7/3.25 mm SWG STAY WIRE	7/2.64 mm SWG STAY WIRE	18
7	2	Set	EYE BOLT AND WASHER	EYE BOLT AND WASHERS	2
8	4	NOS	THIMBLE	THIMBLE	4

CONSTRUCTION STANDARDS HT AND LT STAY- TYPE B PSC POLE

Refer Drawing No: CSG-Stay-03

S.No.	QTY.	UNIT	MATERIAL (HT-STAY)	MATERIAL (LT-STAY)	QTY.
1	1	NO	STAY PLATE (MS 600 X 600 MM X 6 MM)	STAY PLATE (MS 300 X 300 MM X 6MM)	1
2	1	NO	STAY ROD 19MM	STAY ROD 16 MM	1
3	2	Set	TURN BUCKLE	TURN BUCKLE	2
4	2	NO	STAY INSULATOR	STAY INSULATOR	2
5	8	SET	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/3.25 mm	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/2.64 mm	8
6	24	M	7/3.25 mm SWG STAY WIRE	7/2.64 mm SWG STAY WIRE	18
7	2	Set	POLE CLAMP WITH NUT BOLT AND WASHER	POLE CLAMP WITH NUT BOLT AND WASHER	2
8	4	NOS	THIMBLE	THIMBLE	4
9	2	NO	DOUBLE EYE (TWISTED)	DOUBLE EYE (TWISTED)	2

CONSTRUCTION STANDARDS HT AND LT STAY- TYPE B TELESCOPIC POLE



Stays and Anchors
HT and LT Stay - Type B

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department

Distribution and Consumer Services

Refer Drawing No	o: CSG-Stay-04
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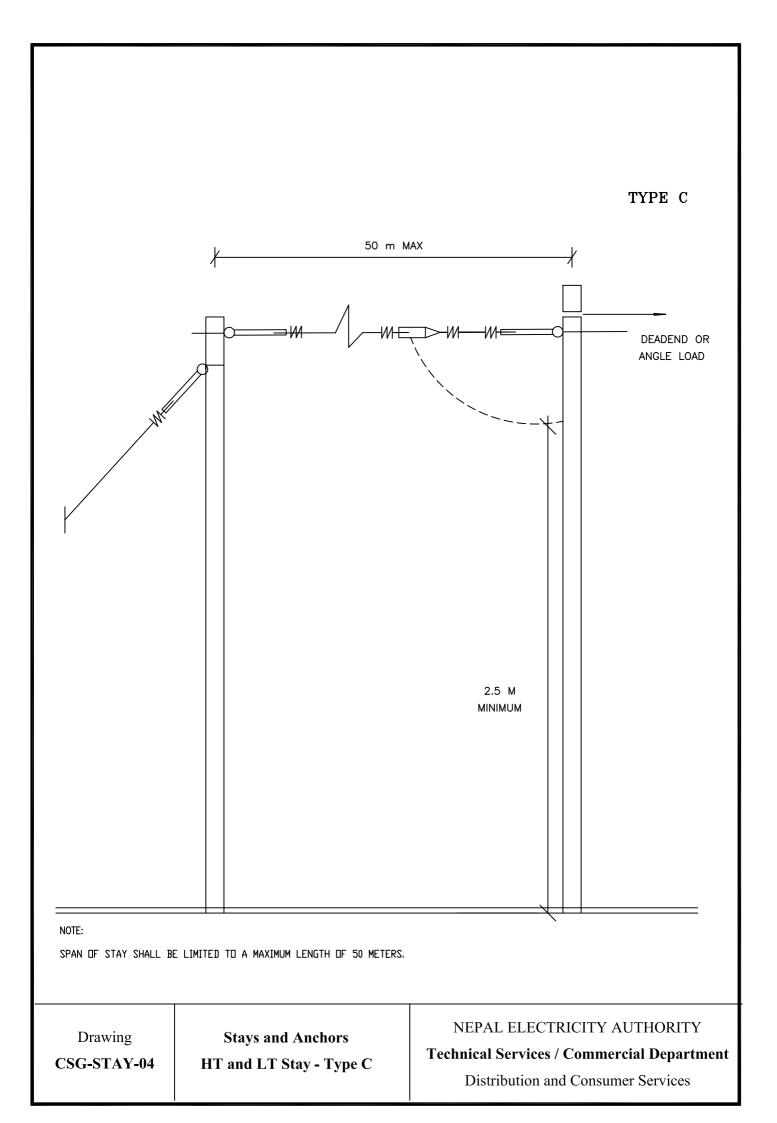
S.No.	QTY.	UNIT	MATERIAL (HT-STAY)	MATERIAL (LT-STAY)	QTY.
1	1	NO	STAY PLATE (MS 600 X 600 MM X 6 MM)	STAY PLATE (MS 300 X 300 MM X 6 MM)	1
2	1	NO	STAY ROD 19MM STAY ROD 16 MM		1
3	2	Set TURN BUCKLE TURN BUCKLE		2	
4	2	NO	STAY INSULATOR	STAY INSULATOR	2
5	8 SET PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/3.25 FOR STAY WIRE OF SIZE 7/2.64 mm		8		
6	50	М	7/3.25 mm SWG STAY WIRE	7/2.64 mm SWG STAY WIRE	50
7	3	Set	EYE BOLT(16 X 203) MM AND WASHER	EYE BOLT(16 X 203) MM AND WASHERS	3
8	4	NOS	THIMBLE	THIMBLE	4

CONSTRUCTION STANDARDS	NEPAL ELECTRICITY AUTHORITY
HT AND LT STAY- TYPE C	Technical Service/ Commercial Department
PSC POLE	Distribution and Consumer Services

Refer Drawing No: CSG-Stay-04

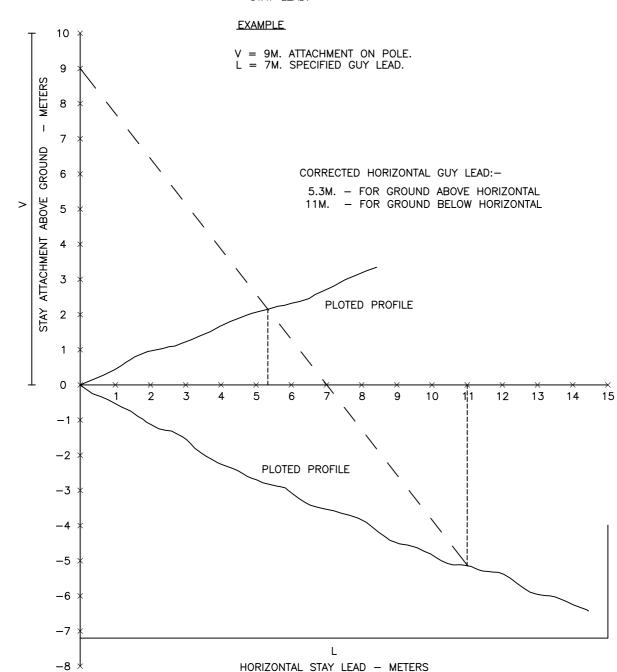
S.No.	QTY.	UNIT	MATERIAL (HT-STAY)	MATERIAL (LT-STAY)	QTY.
1	1	NO	STAY PLATE (MS 600 X 600 MM X 6 MM) (MS 300 X 300 MM X 6 MM)		1
2	1	NO	STAY ROD 19MM	STAY ROD 16 MM	1
3	2	Set	TURN BUCKLE	TURN BUCKLE	2
4	2	NO	NO STAY INSULATOR STAY INSULATOR		2
5	8	SET	PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/3.25 mm PREFORM WIRE COMPATIBLE FOR STAY WIRE OF SIZE 7/2.64 mm		8
6	40			7/2.64 mm SWG STAY WIRE	40
7	2	Set	POLE CLAMP WITH NUT BOLT AND WASHER POLE CLAMP WITH NUT BOLT AND WASHER		2
8	4	NOS	THIMBLE	THIMBLE	4
9	2	NO	DOUBLE EYE (TWISTED)	DOUBLE EYE (TWISTED)	2

CONSTRUCTION STANDARDS HT AND LT STAY- TYPE C TELESCOPIC POLE NEPAL ELECTRICITY AUTHORITY Technical Service/ Commercial Department Distribution and Consumer Services



NOTES

- A. PLOT APPROXIMATE GROUND LINE PROFILE UNDER PROPOSED STAY.
- B. SELECT A POINT ON VERTICAL SCALE "V" CORESPONDING TO GUY ATTACH—MENT ON POLE, SELECT A POINT ON HORIZONTAL SCALE "L" CORESPONDING TO SPECIFIED STAY LEAD. LAY A STRAIGHT EDGE SO THAT IT PASSES THROUGH THESE TWO POINTS.
- C. PROJECT POINT WHERE STRAIGHT EDGE INTERSECTS GROUND LINE PROFILE VERTICALLY TO HORIZONTAL SCALE "L" AND READ CORRECTED HORIZONTAL STAY I FAD.

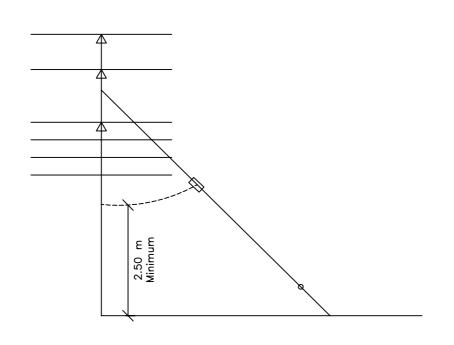


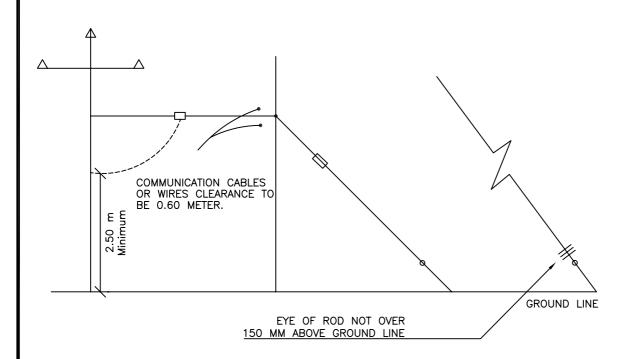
Drawing CSG-STAY-05

Stays and Anchors
Stay Lead Correction Graph

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



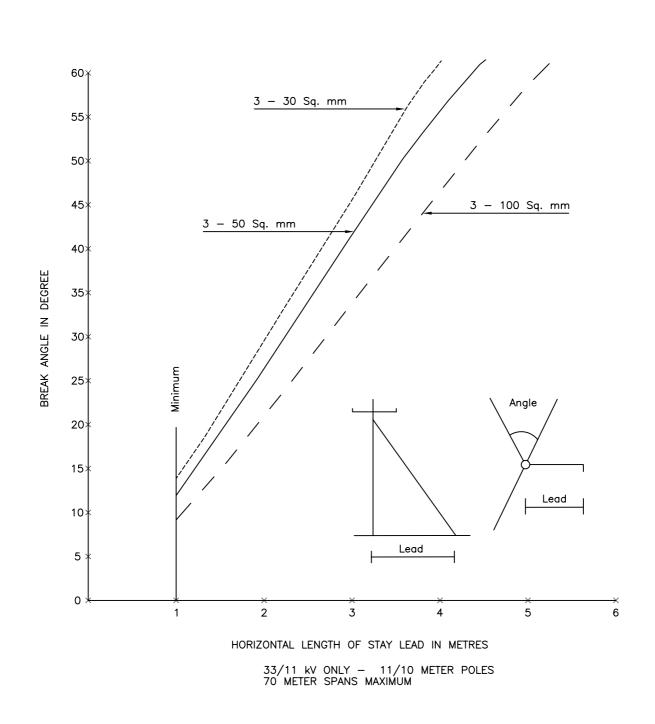


Stays and Anchors

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department

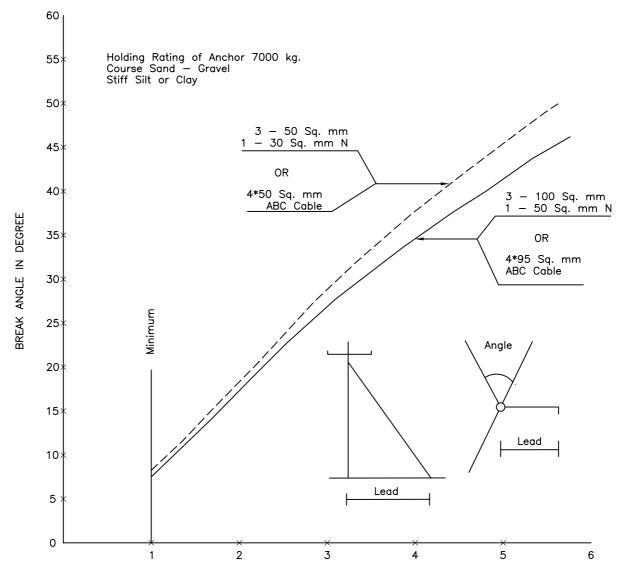
Distribution and Consumer Services



Minimum Lead for Side
Angle Stays

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



HORIZONTAL LENGTH OF STAY LEAD IN METRES

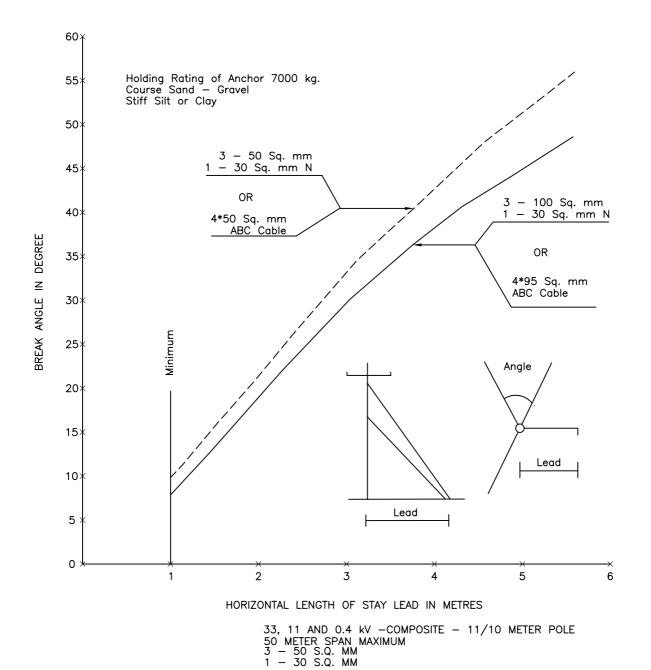
33, 11 AND 0.4 - COMPOSITE - 11/10 METER POLE 50 METER SPAN MAXIMUM 3 - 100 S.Q. MM

Drawing **CSG-STAY-08**

Minimum Lead for Side
Angle Stays

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department

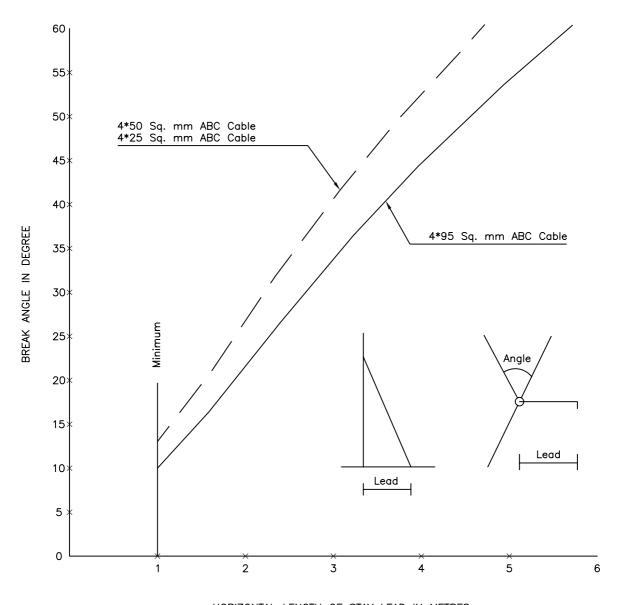


Minimum Lead for Side
Angle Stays

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department

Distribution and Consumer Services



HORIZONTAL LENGTH OF STAY LEAD IN METRES

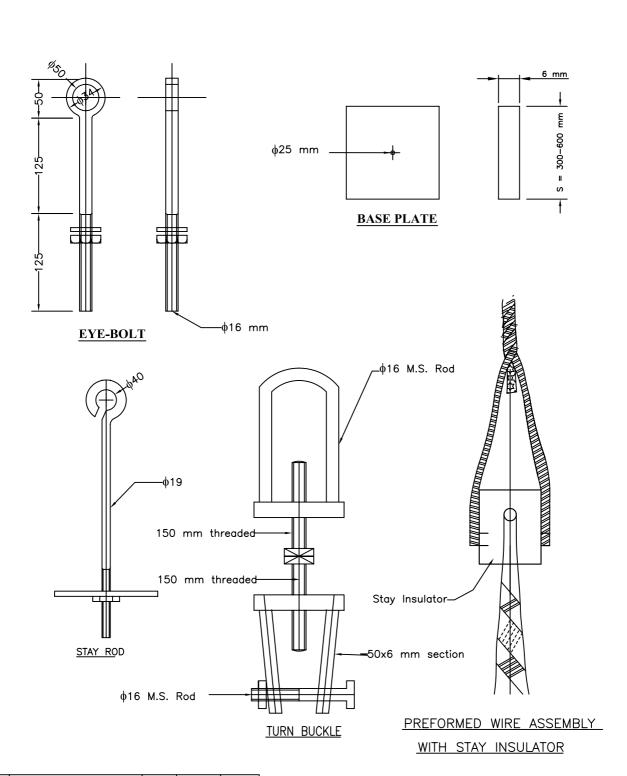
230 V ONLY — 8 METER POLE 400 V ONLY — 9 METER POLES 50 METER SPANS MAXIMUM

Drawing CSG-STAY-10

Minimum Lead for Side
Angle Stays

NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department



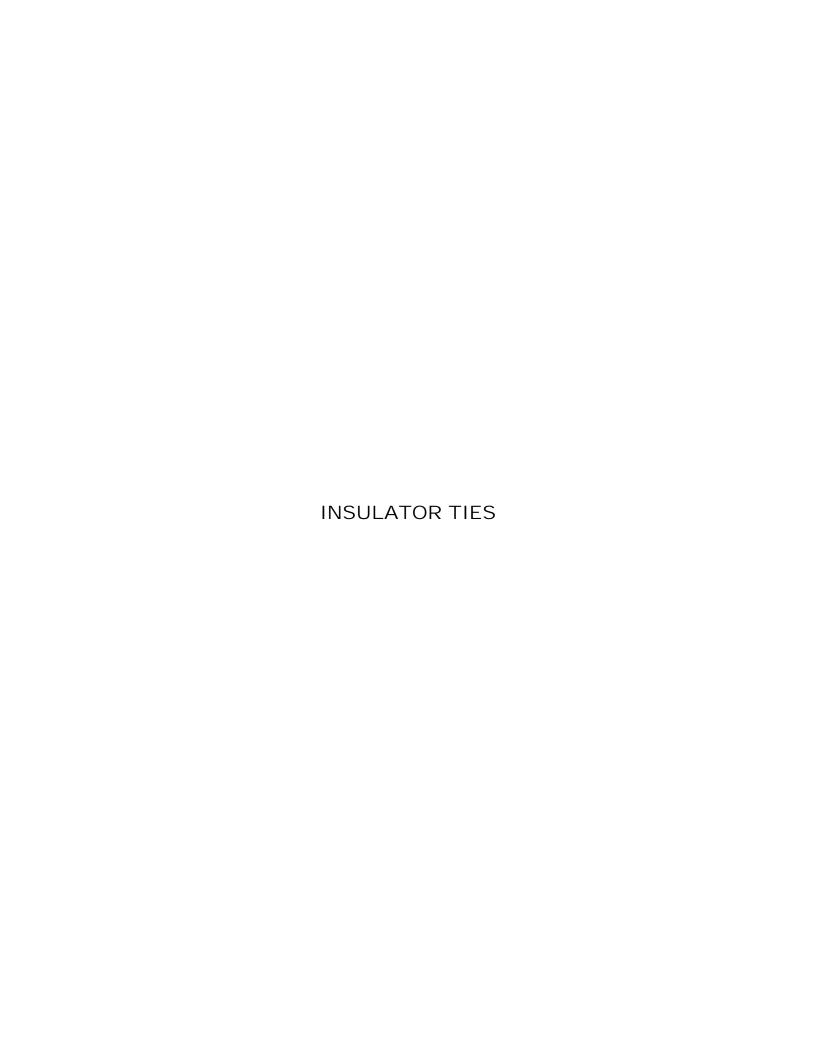
S. N.	Description	Unit	HT Stay	LT Stay
1	Length of Stay Rod	mm	2440	1800
2	Diameter of Stay Rod	mm	19	16
3	Length of threaded portion of stay rod	mm	300	300

Drawing
CSG-STAY-11

Hardware for Stay Set

NEPAL ELECTRICITY AUTHORITY

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Refer Drawing No: CSG-TIES-01and 02

S.No.	SPECIFICATION	DESIGNATION	11 kV PIN INSULATOR TIE	33 kV PIN INSULATOR TIE
1	TOP TIE			
A	100 sq.mm.	TT-1	RED	RED
В	50 sq.mm.	TT-2	YELLOW	YELLOW
С	30 sq.mm.	TT-3	BLUE	
2	SIDE TIE			
A	100 sq.mm.	ST-1	GREEN	GREEN
В	50 sq.mm.	ST-2	BLACK	BLACK
С	30 sq.mm.	ST-3	PINK	
3	DOUBLE PIN TOP TIE			
A	100 sq.mm.	DTT-1	RED	
В	50 sq.mm.	DTT-2	YELLOW	
С	30 sq.mm.	DTT-3	BLUE	

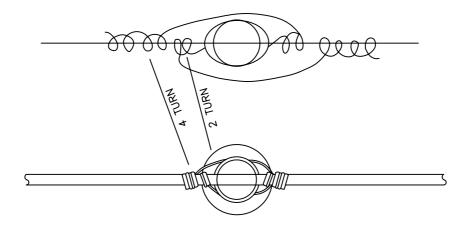
S.No.	SPECIFICATION	DESIGNATION	COLOURE CODE
	STAY WIRE		
A	7/3.25 mm	GS-1	RED
В	7/2.64 mm	GS-2	BLUE

CONSTRUCTION STANDARDS
PREFORMED INSULATOR TIES

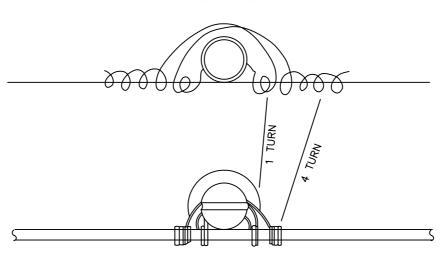
NEPAL ELECTRICITY AUTHORITY Technical Service/ Commercial Department Distribution and Consumer Services

JUMPER TIES

TOP GROOVE



SIDE GROOVE



NOTES

- TIE WIRE ASSEMBLY SHOULD BE AS TIGHT AS CAN BE WRAPPED.
 TURNS MAY BE IN EITHER DIRECTION, AS LONG AS ONE—HALF THE TURNS OPPOSE THE OTHER HALF TO PREVENT LOOSENING OF THE TIE.
 USE ONLY FOR SECURING JUMPERS ON STRUCTURES.

Drawing
CSG-TIES-01

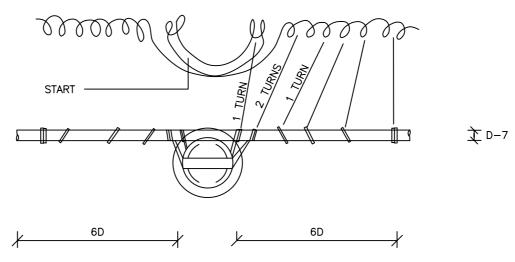
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Region START -**文** D−7

TOP GROOVE

SIDE GROOVE



6D

1. HAND TIES TO BE USED ONLY WHEN PREFORMED TIES NOT AVAILABLE.
2. CLINCH LAST TWO TURNS TIGHT WITH PLIERS.
3. SOFT DRAWN — TIE WIRE, TO BE USED FOR ALL TIES.

6D

Drawing **CSG-TIES-02**

Insulator Ties

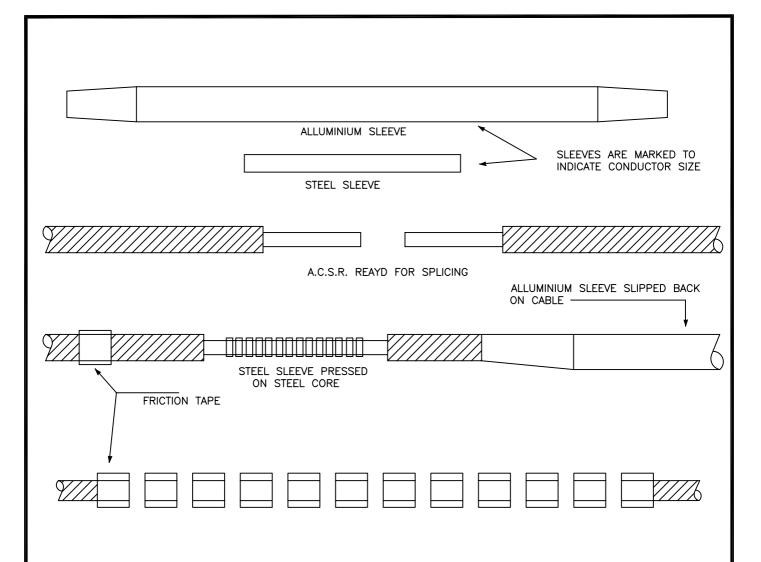
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Refer Drawing No: CSG-SPL-01

S.No.	SPECIFICATION	DESIGNATION
Α.	TENSION CONNECTOR	
1	DOG	A-1T
2	RABBIT	A-2T
3	WEASEL	A-3T
В.	REPAIR CONNECTOR	
1	DOG	A-1R
2	RABBIT	A-2R
3	WEASEL	A-3R

CONSTRUCTION STANDARDS	NEPAL ELECTRICITY AUTHORITY
ACSR CONNECTOR	Technical Service/ Commercial Department
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- 1. SELECT PROPER SPLICE FOR THE CONDUCTOR TO BE SPLICED. INSURE BORES OF INNER AND THE SLEEVES ARE CLEAN.
- 2. INSERT PROPER DIE IN THE COMPRESSION TOOL.
- 3. CUT END OF CONDUCTOR SQUARE AND SLIP OUTER ALUMINUM SLEEVE OF SPLICE ON ONE END OF THE CONDUCTOR.
- 4. CUT BACK AND REMOVE ALUMINUM STRAND AT CONDUCTOR END A DISTANCE OF 1/2 THE LENGTH OF THE INNER STEEL SLEEVES PLUS 10 MM.
- 5. INSERT STEEL CORE WIRES IN THE STEEL SLEEVES AND PRESS WITH INNER GROOVE OF TOOL. PRESS ENTIRE LENGTH OF SLEEVE STARTING AT THE MIDDLE AND WORKING TOWARD THE ENDS LEAVE ABOUT 1.5 MM SPACE BETWEEN
- 6. STRAIGHTEN STEEL SLEEVE BY HAMMERING CAREFULLY ANAINST A SUITABLE BLOCK.
- 7. PLACE A PIECE OF FRICTION TAPE ON THE CABLE TO MARK THE POSITION OF THE END OF THE ALUMINUM SLEEVE SUCH THAT IT WILL BE CENTERED ON THE SPLICE.
- 8. CLEAN CONDUCTOR BY WREBRUSHING, PAINT THE STEEL SLEEVE AND THE ADJACENT CABLE THAT WILL BE COVERED BY THE ALUMINUM SLEEVE WITH A SUITABLE CORROSION INHIBITOR.
- 9. SLIP THE ALUMINIUM SLEEVE IN PLACE AND PRESS WITH THE OUTER GROOVE OF TOOL USING THE SAME PROCEDURE AS WITH THE STEEL SLEEVE.
- 10. STRAIGHTEN ENTIRE SPLICE BY HAMMERING CAREFULLY AGAINST A SUITABLE BLOCK.

Drawing **CSG-SPL-01**

Tension Splicing Instructions NEPAL ELECTRICITY AUTHORITY

Technical Services / Commercial Department

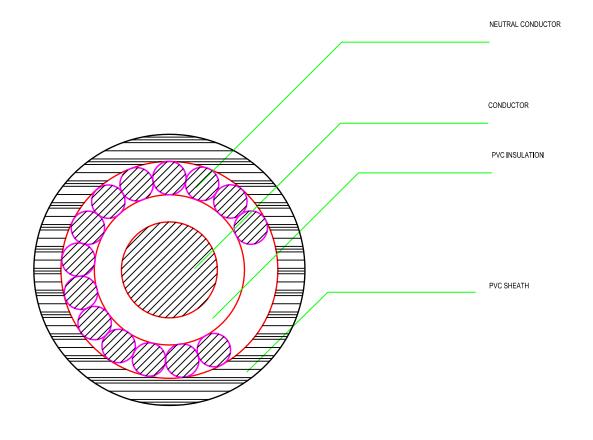


TABLE		
CROSS-SECTION AREA MM2 DIAMETER MM	6 2.896	25 5.69
PVC INSULATION THICKNESS MM. CONCENTRIC NEUTRAL	1.02	1.27
NO-STRANDS	21	23
STRAND DIA. MM.	0.7366	1.2192
PVC SHEATH THICKNESS MM. CABLE OD MM.	1.56 8.95	1.56 13.21

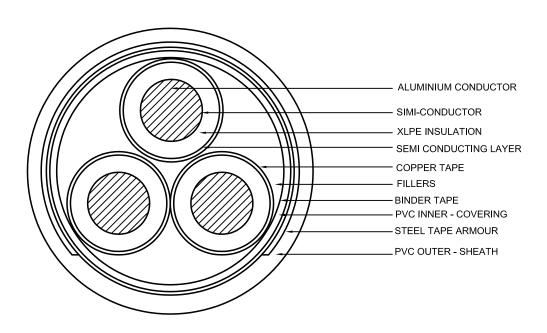
Drawing CSG-CABL-01

Concentric Cable Cross Section

NEPAL ELECTRICITY AUTHORITY

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Drawing CSG-CABL-02

XLPE Cable-Cross Section

NEPAL ELECTRICITY AUTHORITY

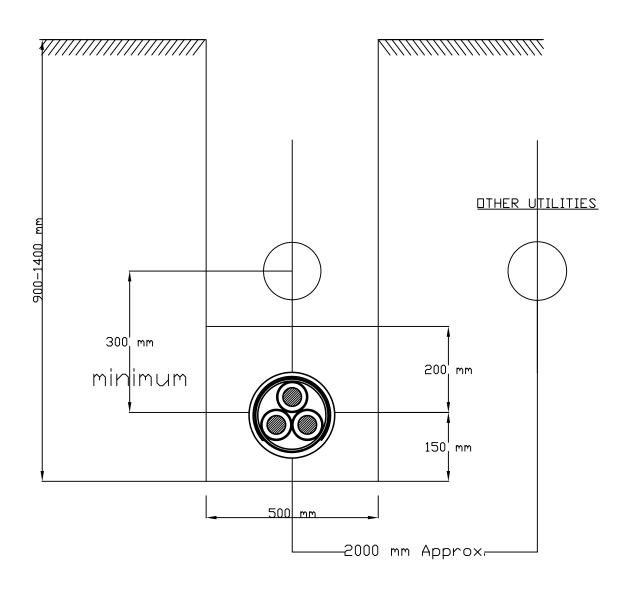
Technical Services/ Commercial Department

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UNDERGROUND CABLE

CONSTRUCTION NOTES

CABLES SHALL BE LAID LODSELY IN THE TRENCH AND IN PARALLEL. CABLE SHALL NOT CROSS OR LAY ON TOP OF ONE ANOTHER. BACKFILL SHALL BE CLEAN AND FREE OF STONES AND SHARP OBJECTS 150 MM BELOW AND 200 MM ABOVE THE CABLE. IF TELEPHONE IS PERMITTED IN THE SAME TRENCH IT MUST MAINTAIN A SEPARATION OF 300 MM ABOVE THE CABLE. OTHER UTILITIES SUCH AS GAS, WATER, SEWER ETC, IF PARALLEL TO DIRECT BURIED ELECTRIC CABLES, SHOULD MAINTAIN A HORIZONTAL SEPARATION OF 2000 MM.



Drawing CSG-CABL-03

11 kV XLPE Underground Cable Laying General Instruction NEPAL ELECTRICITY AUTHORITY

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