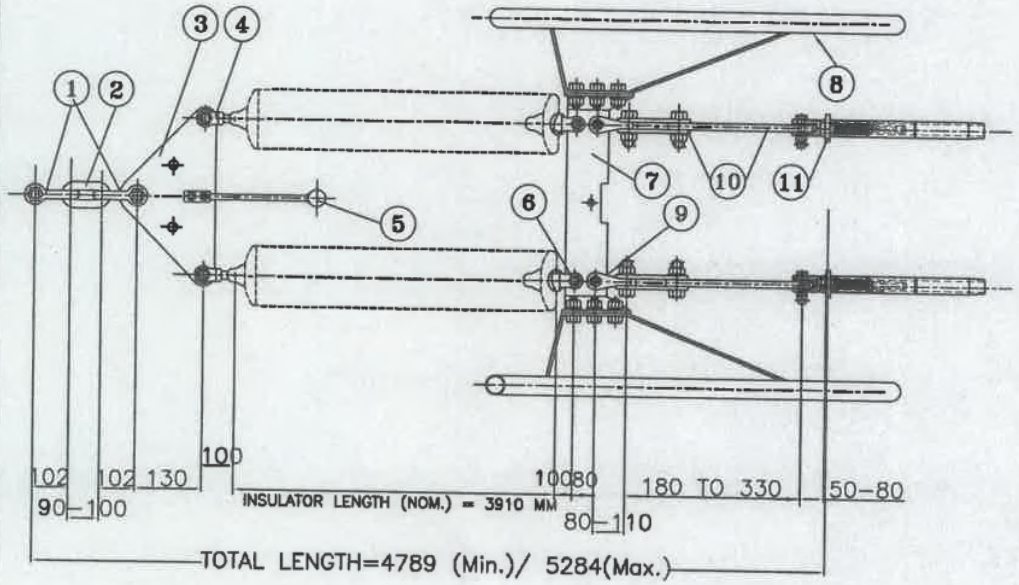


Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG: CC: ENGG: TL/HW
11	COMPRESSION DEADEND	CDE-MOOSE	----	2	CDE-002
10	SAG ADJUSTABLE PLATE	SAP-160-01	160 KN	2 SET	SAP-001
9	CLEVIS EYE	CE-160-01	160 KN	2	CE-001
8	CORONA RING	CR-400-03A	----	2	CR-001
7	YOKE PLATE	YP-RT-320-03	320 KN	1	YP-RT-001
6	SOCKET CLEVIS	SC-175-01	175 KN	2	SC-001
5	ARCING HORN (BALL)	AH-BL-02C	----	1	AHB-001
4	BALL CLEVIS	BC-175-01A/ BC-175-01B	175 KN	2	BC-001
3	YOKE PLATE	YP-TR-350-02	350 KN	1	YP-TR-001
2	CHAIN LINK	CL-320-01	320 KN	1	CL-001
1	ANCHOR SHACKLE	AS-350-02	350 KN	2	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

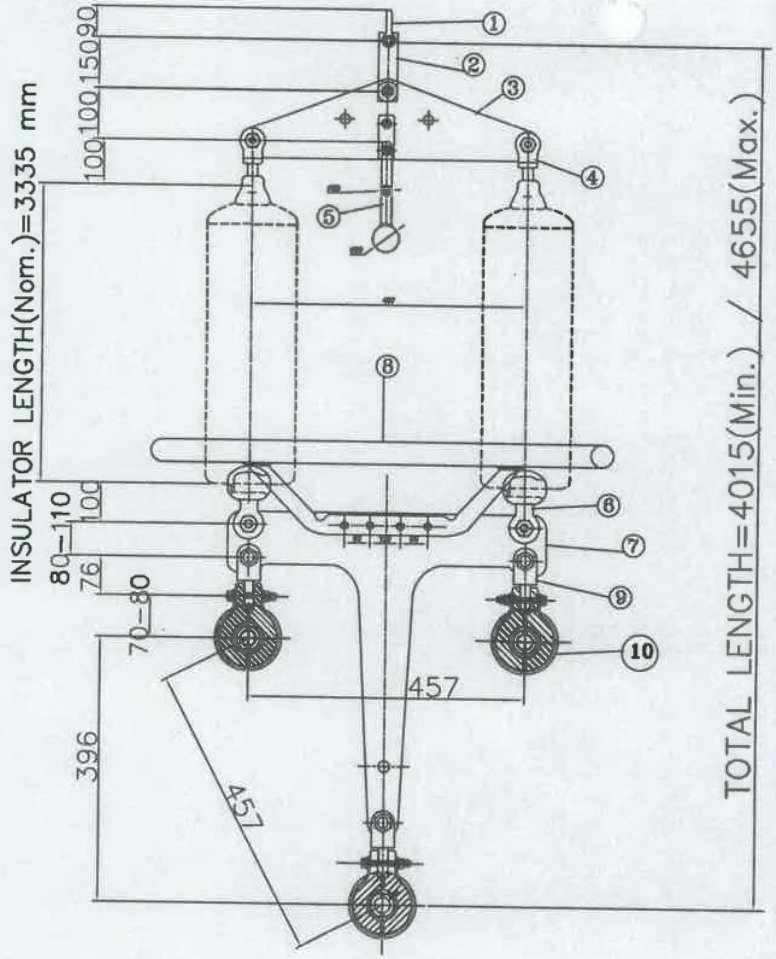
POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE:- 400 KV DOUBLE TENSION INSULATOR STRING FOR TWIN MOOSE ACSR CONDUCTOR. UTS-320 KN

CLEARED BY

SR. GM (ENGG–TL)	CGM (ENGG–TL)	ED (ENGG)
DATE: 14.11.19	MGR. (ENGG–TL)	CH. MGR. (ENGG–TL)	GM (ENGG–TL)

DRG. NO.:– CC:ENGG:TL/HW/400 KV/TWIN/DT



Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG: CC: ENGG: TL/HW
10	SUSPENSION CLAMP(A.G.S)	AGS-SNOWBIRD	70 KN	3	AGS-001
9	CLEVIS EYE	CE-90-01	90 KN	3	CE-001
8	CORONA RING	CR-400-02	----	1	CR-001
7	YOKE PLATE	YP-C-T-240-01	240 KN	1	YP-C-T-001
6	SOCKET CLEVIS	SC-120-01	120 KN	2	SC-001
5	ARCING HORN (BALL)	AH-BL-02B	----	2	AHB-001
4	BALL CLEVIS	BC-120-01	120 KN	2	BC-001
3	YOKE PLATE	YP-TR-240-02A	240 KN	1	YP-TR-001
2	Y-STRAP	YS-240-01	240 KN	1	YS-001
1	ANCHOR SHACKLE	AS-240-01	240 KN	1	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

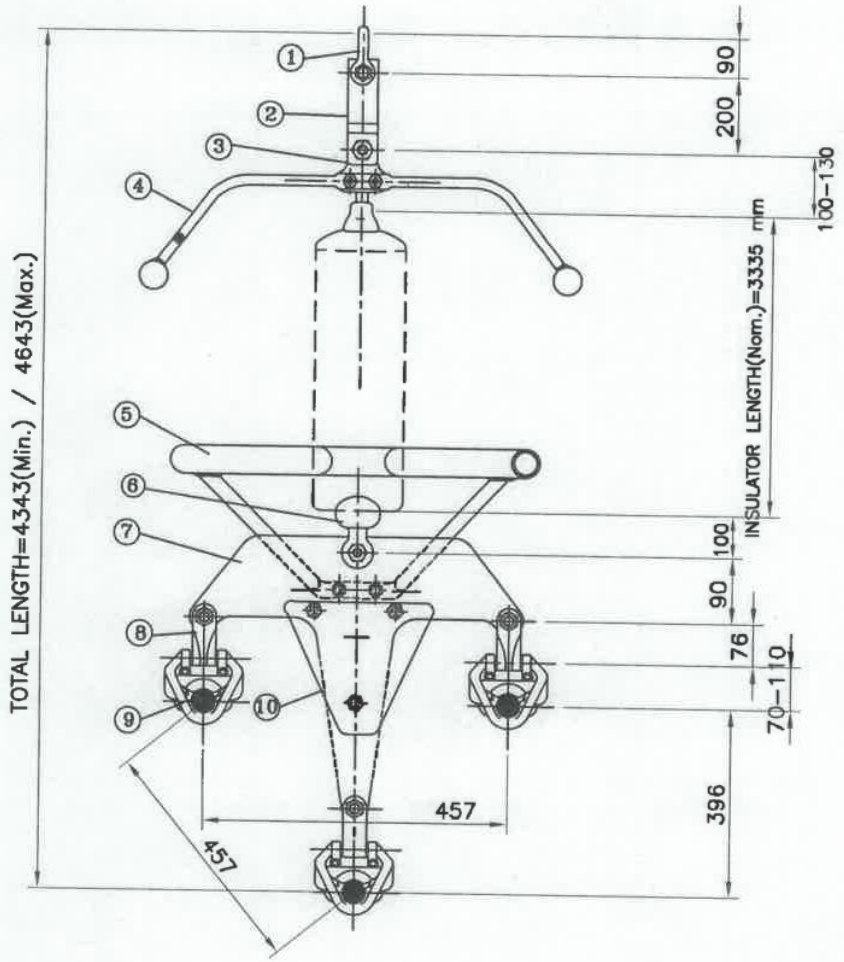
POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE:- 400 KV DOUBLE "I" SUSPENSION INSULATOR STRING FOR TRIPLE ACSR "SNOWBIRD" CONDUCTOR.
UTS-240 KN

CLEARED BY

SR. GM (ENGG–TL)	CGM (ENGG–TL)	ED (ENGG)
DATE: 14.11.19	MGR. (ENGG–TL)	CH. MGR. (ENGG–TL)	GM (ENGG–TL)

DRG. NO.:– CC:ENGG:TL/HW/400 KV/TRIPLE/DIS



Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG:CC:ENGG:TL/HW
10	COUNTER WEIGHT	CW-01	----	1 SET	CW-001
9	SUSPENSION CLAMP	ENV-SNOWBIRD	70 KN	3	ENV-001
8	CLEVIS EYE	CE-90-01	90 KN	3	CE-001
7	YOKE PLATE	YP-C-T-120-02	120 KN	1	YP-C-T-001
6	SOCKET CLEVIS	SC-120-01	120 KN	1	SC-001
5	CORONA RING	CR-400-01	----	1	CR-001
4	ARCING HORN (BALL)	AH-BL-01B	----	1	AHB-001
3	BALL EYE (HORN HOLDER)	BE-120-01	120 KN	1	BE-001
2	Y-STRAP	YS-120-01	120 KN	1	YS-001
1	ANCHOR SHACKLE	AS-120-01	120 KN	1	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

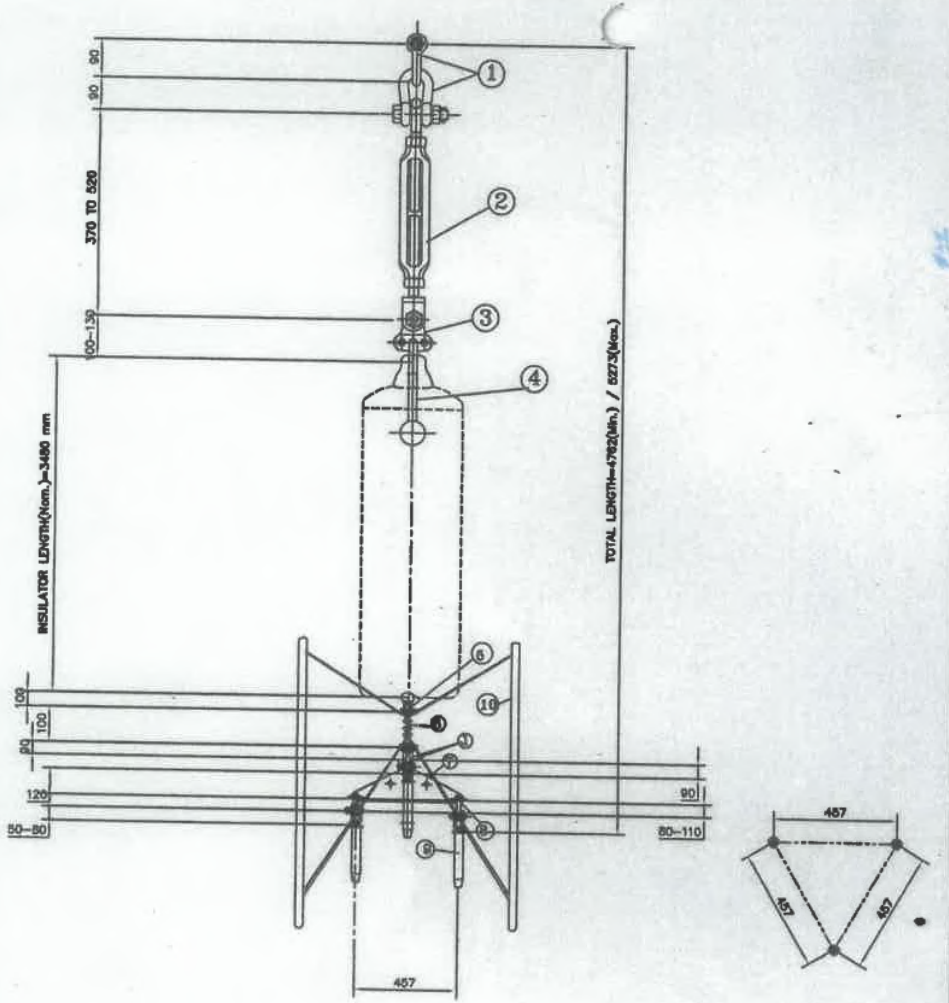
TITLE:- 400 KV SINGLE I SUSPENSION PILOT INSULATOR STRING FOR TRIPLE ACSR "SNOWBIRD" CONDUCTOR WITH COUNTER WEIGHT. UTS-120 KN

CLEARED BY

SR. GM (ENGG-TL)	CGM (ENGG-TL)	ED (ENGG)

DATE	MGR. (ENGG-TL)	CH. MGR. (ENGG-TL)	GM (ENGG-TL)
14.11.19	21/11/21		

DRG. NO.:- CC:ENGG:TL/HW/400 KV/TRIPLE/SISP



Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG: CC: ENGG: TL/HW
10	CORONA RING	CR-400-03D	----	2	CR-002
9	COMPRESSION DEADEND	CDE-SNOWBIRD	112.2 KN(Min)	3	CDE-001
8	CLEVIS EYE	CE-160-01	160 KN	3	CE-001
7	YOKE PLATE	YP-TR-80-01	80 KN	1	YP-TR-001
6	YOKE PLATE	YP-TR-120-08	120 KN	1	YP-TR-001
5	SOCKET CLEVIS	SC-120-01	120 KN	1	SC-001
4	ARCING HORN (BALL)	AH-BL-03B	----	1	AHB-001
3	BALL EYE (HORN HOLDER)	BE-120-01	120 KN	1	BE-001
2	TURN BUCKLE	TB-120-01	120 KN	1	TB-001
1	ANCHOR SHACKLE	AS-120-01	120 KN	6	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.
6) CLEVIS EYE NOT REQUIRED IF DEAD END ASSEMBLY INCLUDES ANCHOR SHACKLE

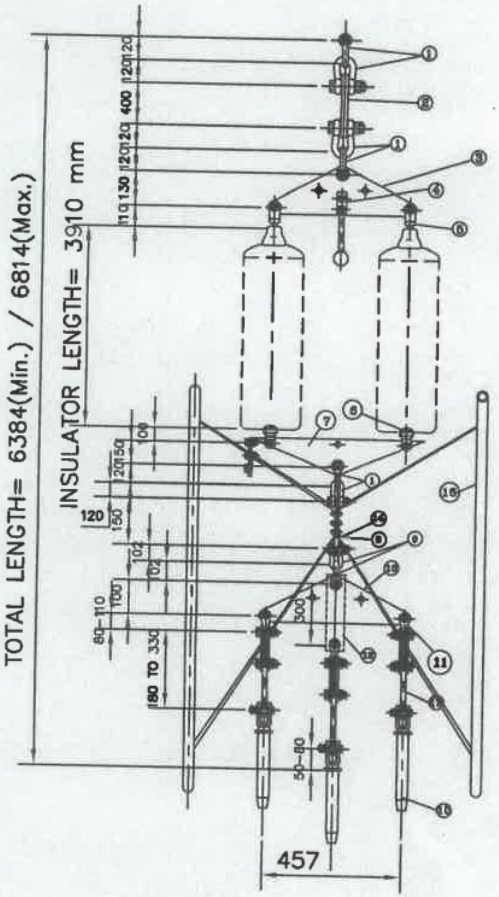
POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

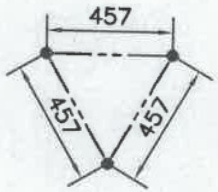
TITLE:- 400 KV SINGLE TENSION INSULATOR STRING FOR TRIPLE ACSR "SNOWBIRD" CONDUCTOR. UTS-120 KN

CLEARED BY

SR. GM (ENGG-TL)	CGM (ENGG-TL)	ED (ENGG)
DATE: 14.11.19	MGR. (ENGG-TL)	CH. MGR. (ENGG-TL)	GM (ENGG-TL)

DRG. NO.:- CC:ENGG:TL/HW/400 KV/TRIPLE/ST





Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG: CC: ENGG: TL/HW
16	CORONA RING	CR-400-04B	----	2	CR-002
15	COMPRN. DEADEND	CDE-SNOWBIRD	112.2 KN(Min.)	3	CDE-001
14	ANCHOR SHACKLE	AS-180-01	180 KN	2	AS-001
13	SAG ADJUSTABLE PLATE	SAP-160-01	160 KN	3	SAP-001
12	EXTENSION LINK	EL-160-01	160 KN	1	EL-001
11	CLEVIS EYE	CE-160-01	160 KN.	3	CE-001
10	YOKE PLATE	YP-TR-280-01	280 KN	1	YP-TR-001
9	ANCHOR SHACKLE	AS-350-02	350 KN	2	AS-001
8	YOKE PLATE	YP-TR-470-07	470 KN	1	YP-TR-001
7	YOKE PLATE	YP-TR-420-01	420 KN	1	YP-TR-001
6	SOCKET CLEVIS	SC-235-01	235 KN	2	SC-001
5	BALL CLEVIS	BC-235-01A	235 KN	2	BC-001
4	ARCING HORN (BALL)	AH-BL-02C	----	2	AHB-001
3	YOKE PLATE	YP-TR-470-02	470 KN	1	YP-TR-001
2	EXTENSION LINK	EL-420-01	420 KN	1	EL-001
1	ANCHOR SHACKLE	AS-470-01	470 KN	6	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

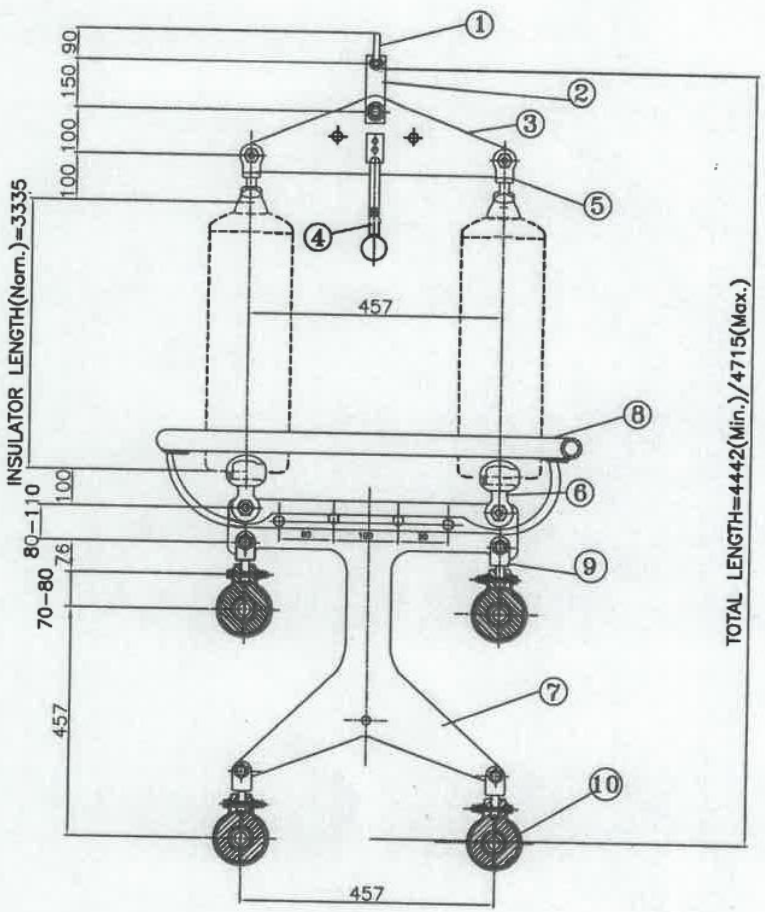
POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE:- 400 KV. DOUBLE TENSION INSULATOR STRING FOR TRIPLE ACSR "SNOWBIRD" CONDUCTOR. UTS-420 KN

CLEARED BY

SR. GM (ENGG-TL)	CGM (ENGG-TL)	ED (ENGG)
DATE: 14.11.19	MGR. (ENGG-TL)	CH. MGR. (ENGG-TL)	GM (ENGG-TL)

DRG. NO.:- CC:ENGG:TL/HW/400 KV/TRIPLE/DT



Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG:CC:ENGG:TL/HW
10	SUSPENSION CLAMP(A.G.S)	AGS-MOOSE	70 KN	4	AGS-001
9	CLEVIS EYE	CE-90-01	90 KN	4	CE-001
8	CORONA RING	CR-400-02	----	1	CR-001
7	YOKE PLATE	YP-C-Q-240-01	240 KN	1	YP-C-Q-001
6	SOCKET CLEVIS	SC-120-01	120 KN	2	SC-001
5	BALL CLEVIS	BC-120-01	120 KN	2	BC-001
4	ARCING HORN (BALL)	AH-BL-02B	----	2	AHB-001
3	YOKE PLATE	YP-TR-240-02A	240 KN	1	YP-TR-001
2	Y-STRAP	YS-240-01	240 KN	1	YS-001
1	ANCHOR SHACKLE	AS-240-01	240 KN	1	AS-001

TECHNICAL D AILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

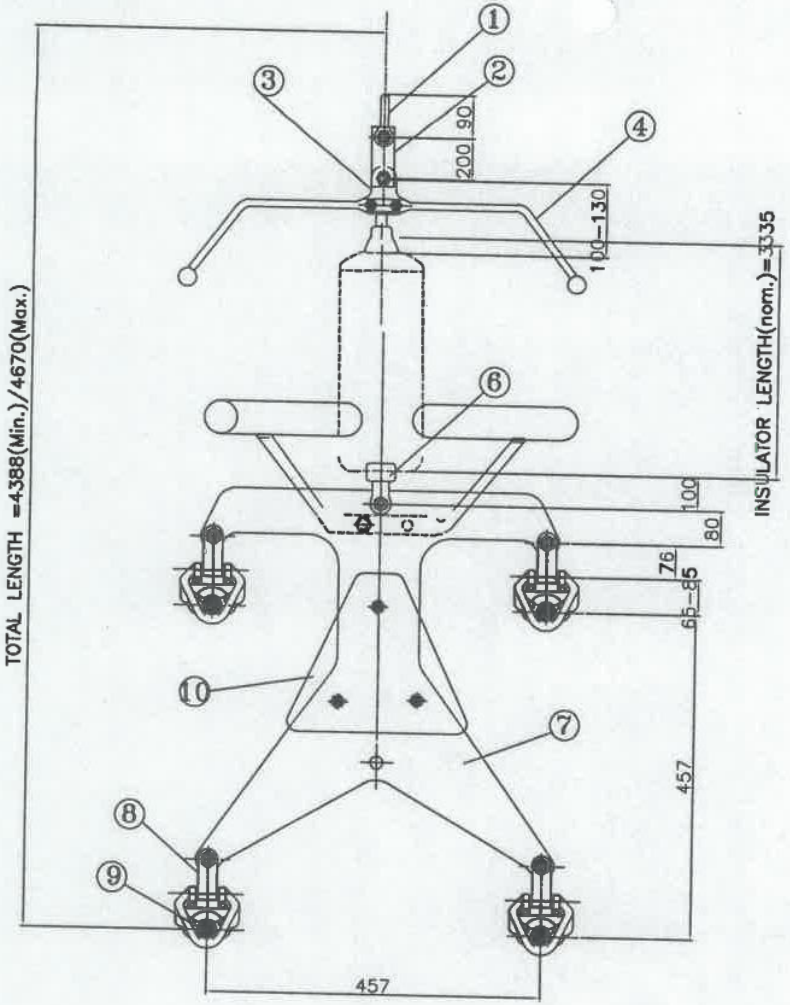
POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE:- 400 KV DOUBLE I SUSPENSION STRING FOR QUADRUPLE ACSR MOOSE CONDUCTOR. UTS-240 KN

CLEARED BY

SR. GM (ENGG-TL)	CGM (ENGG-TL)	ED (ENGG)
DATE: 14.1.19	MGR. (ENGG-TL)	CH. MGR. (ENGG-TL)	GM (ENGG-TL)

DRG. NO.:- CC:ENGG:TL/HW/400 KV/QUAD/DIS



Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG:CC:ENGG:TL/HW
10	COUNTER WEIGHT ASSEMBLY	CW-01	----	1 SET	CW-001
9	SUSPENSION CLAMP	ENV-MOOSE	70 KN	4	ENV-001
8	CLEVIS EYE	CE-90-01	90 KN	4	CE-001
7	YOKE PLATE	YP-C-Q-120-02	120 KN	1	YP-C-Q-001
6	SOCKET CLEVIS	SC-120-01	120 KN	1	SC-001
5	CORONA RING	CR-400-01	----	1	CR-001
4	ARCING HORN (BALL)	AH-BL-01B	----	1	AHB-001
3	BALL EYE (HORN HOLDER)	BE-120-01	120 KN	1	BE-001
2	Y-STRAP	YS-120-01	120 KN	1	YS-001
1	ANCHOR SHACKLE	AS-120-01	120 KN	1	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

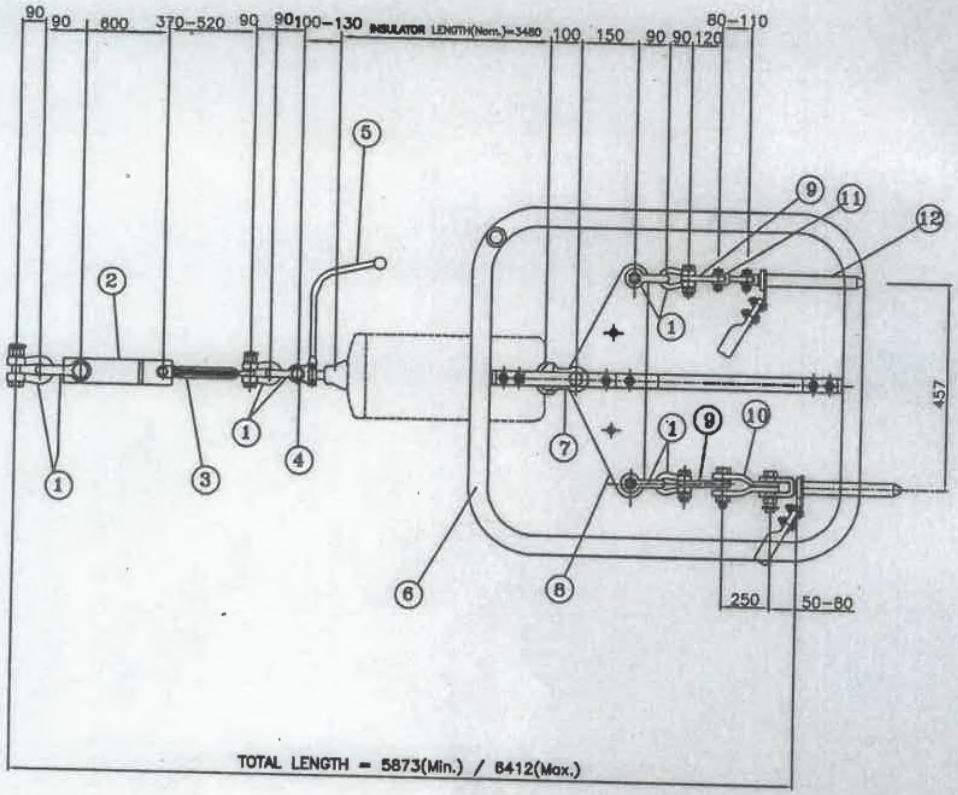
POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE:- 400 KV SINGLE I SUSPENSION PILOT STRING SUITABLE FOR QUADRUPLE ACSR MOOSE CONDUCTOR.
UTS-120 KN

CLEARED BY

SR. GM (ENGG–TL)	CGM (ENGG–TL)	ED (ENGG)
DATE: 14.11.19	MGR. (ENGG–TL)	CH. MGR. (ENGG–TL)	GM (ENGG–TL)

DRG. NO.:– CC:ENGG:TL/HW/400 KV/QUAD/SISP



Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG:CC:ENGG:TL/HW
13	SPACER (250 mm)	RS-250-MOOSE	----	1	RS-001
12	COMPRESSION DEADEND	CDE-MOOSE	----	4	CDE-002
11	CLEVIS EYE	CE-160-01	160 KN.	2	CE-001
10	Y-STRAP	YS-160-02	160 KN.	2	YS-001
9	YOKE PLATE	YP-TR-80-01	80 KN.	2	YP-TR-001
8	YOKE PLATE	YP-TR-120-06	120 KN	1	YP-TR-001
7	SOCKET CLEVIS	SC-120-01	120 KN	1	SC-001
6	CORONA RING	CR-400-03C	----	2 SETS	CR-002
5	ARCING HORN (BALL)	AH-BL-03B	----	1	AHB-001
4	BALL EYE (HORN HOLDER)	BE-120-01	120 KN	1	BE-001
3	TURN BUCKLE	TB-120-01	120 KN	1	TB-001
2	Y-STRAP	YS-120-02	120 KN	1	YS-001
1	ANCHOR SHACKLE	AS-120-01	120 KN	8	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.
6) CLEVIS EYE NOT REQUIRED IF DEAD END ASSEMBLY INCLUDES ANCHOR SHACKLE

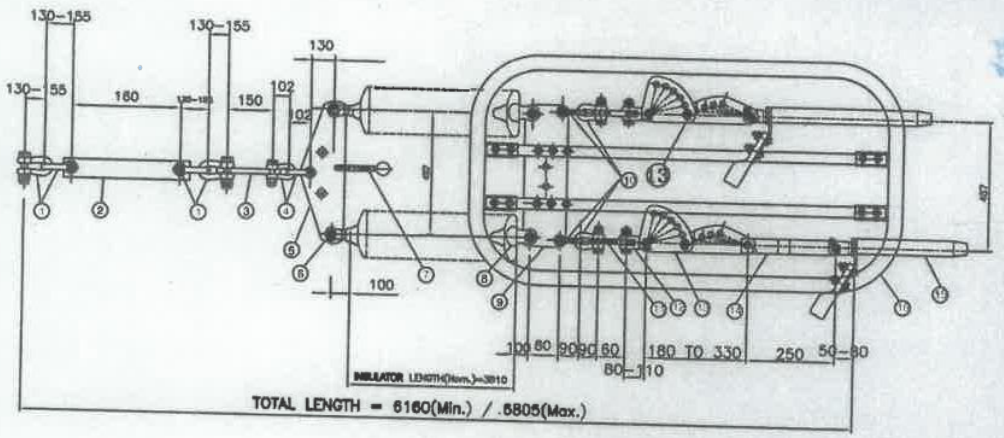
POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE:- 400 KV. SINGLE TENSION STRING SUITABLE FOR QUADRUPLE ACSR MOOSE CONDUCTOR. UTS-120 KN

CLEARED BY

SR. GM (ENGG–TL)	CGM (ENGG–TL)	ED (ENGG)
DATE: 14.11.19	MGR. (ENGG–TL)	CH. MGR. (ENGG–TL)	GM (ENGG–TL)

DRG. NO.:– CC:ENGG:TL/HW/400 KV/QUAD/ST



TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG:CC:ENGG:TL/HW
17	RIGID SPACER (250 mm)	RS-Twin-Moose	----	1	TWIN-RS-001
16	CORONA RING	CR-400-04A	----	2,SET	CR-002
15	COMPRESSION DEADEND	CDE-MOOSE	----	4	CDE-001
14	Y-STRAP	YS-160-02	160 KN	2	YS-001
13	SAG ADJUSTING PLATE	SAP-160-01	160 KN	4	SAP-001
12	CLEVIS EYE	CE-160-01	160 KN	4	CE-001
11	YOKE PLATE	YP-RT-350-01	350 KN	2	YP-RT-001
10	ANCHOR SHACKLE	AS-180-01	180 KN.	8	AS-001
9	YOKE PLATE	YP-RT-320-02	320 KN	2	YP-RT-001
8	SOCKET CLEVIS	SC-175-01	175 KN	4	SC-001
7	ARCING HORN (BALL)	AH-BL-02C	----	2	AHB-001
6	BALL CLEVIS	BC-175-01A / BC-175-01B	175 KN	4	BC-001
5	YOKE PLATE	YP-TR-350-02	350 KN	2	YP-TR-001
4	ANCHOR SHACKLE	AS-350-02	350 KN	4	AS-001
3	YOKE PLATE	YP-TR-640-01	640 KN	1	YP-TR-001
2	EXTENSION LINK	EL-640-01	640 KN	1	EL-001
1	ANCHOR SHACKLE	AS-640-01	640 KN	4	AS-001

POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

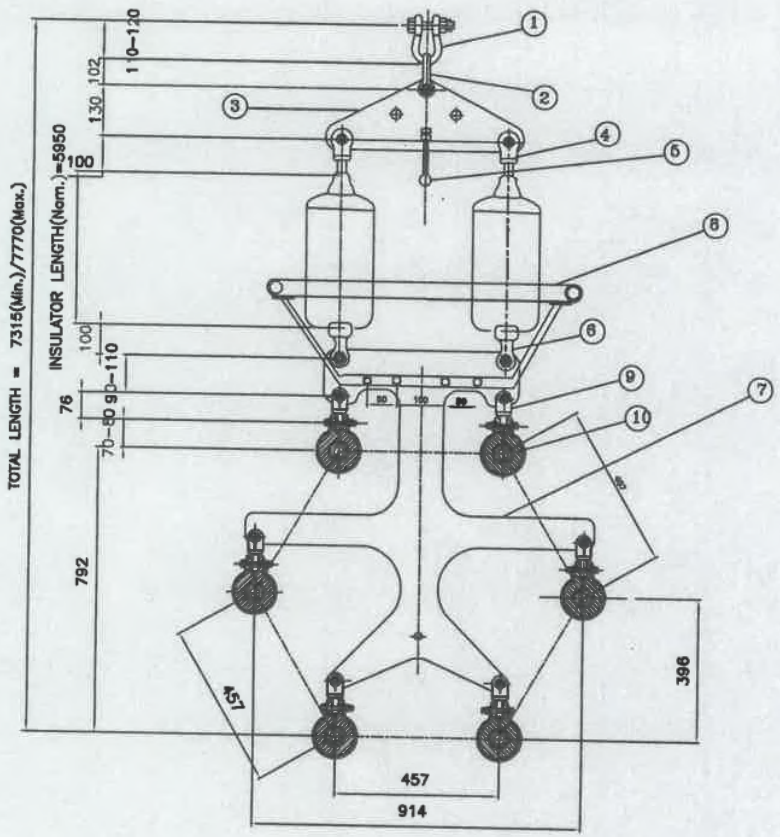
TITLE:- 400 KV D/C QUAD TENSION STRING SUITABLE FOR QUADRUPLE ACSR MOOSE CONDUCTOR.
UTS-640 KN

CLEARED BY

SR. GM (ENGG-TL)	CGM (ENGG-TL)	ED (ENGG)

DATE	MGR. (ENGG-TL)	CH. MGR. (ENGG-TL)	GM (ENGG-TL)
14/11/19			

DRG. NO.:- CC:ENGG:TL/HW/400 KV/QUAD/QT



Sr. No.	DESCRIPTION	PART NO.	UTS	QTY.	REF DRG:CC:ENGG:TL/HW
10	SUSPENSION CLAMP(AGS)	AGS-ZEBRA	70 KN	6	AGS-001
9	CLEVIS EYE	CE-90-01 / CE-70-01	90/70 KN	6	CE-001
8	CORONA RING	CR-765-02	----	1	CR-001
7	YOKE PLATE	YP-C-H-350-01	350 KN	1	YP-C-H-001
6	SOCKET CLEVIS	SC-175-01	175 KN	2	SC-001
5	ARCING HORN	AH-BL-02C	----	2	AHB-001
4	BALL CLEVIS	BC-175-01A / BC-175-01B	175 KN	2	BC-001
3	YOKE PLATE	YP-TR-350-02	350 KN	1	YP-TR-001
2	ANCHOR SHACKLE	AS-350-02	350 KN	1	AS-001
1	ANCHOR SHACKLE	AS-350-01	350 KN	1	AS-001

TECHNICAL DETAILS:

1) ALL DIMENSIONS ARE IN mm.
2) GENERAL TOLERANCES : ±3%.
3) ALL FERROUS PARTS HOT DIP GALVANISED & SPRING WASHER ELECTRO GALVANISED AS PER POWERGRID SPECIFICATION.
4) ALL DIMENSIONS ARE AFTER GALVANISATION EXCEPT DRILLED HOLES.
5) HARDWARE TOLERANCES ON LENGTH ±2%.

POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE:- 765 KV D/C (HEXA ZEBRA) DOUBLE "I" SUSPENSION STRING FOR SIX BUNDLE "ZEBRA" ACSR CONDUCTOR
UTS-350 KN

CLEARED BY

SR. GM (ENGG–TL)	CGM (ENGG–TL)	ED (ENGG)
DATE: 14.11.19	MGR. (ENGG–TL)	CH. MGR. (ENGG–TL)	GM (ENGG–TL)

DRG. NO.:– CC:ENGG:TL/HW/765 KV/HEXA/DIS