

ANNEXURE - A

For Tender Purpose only.

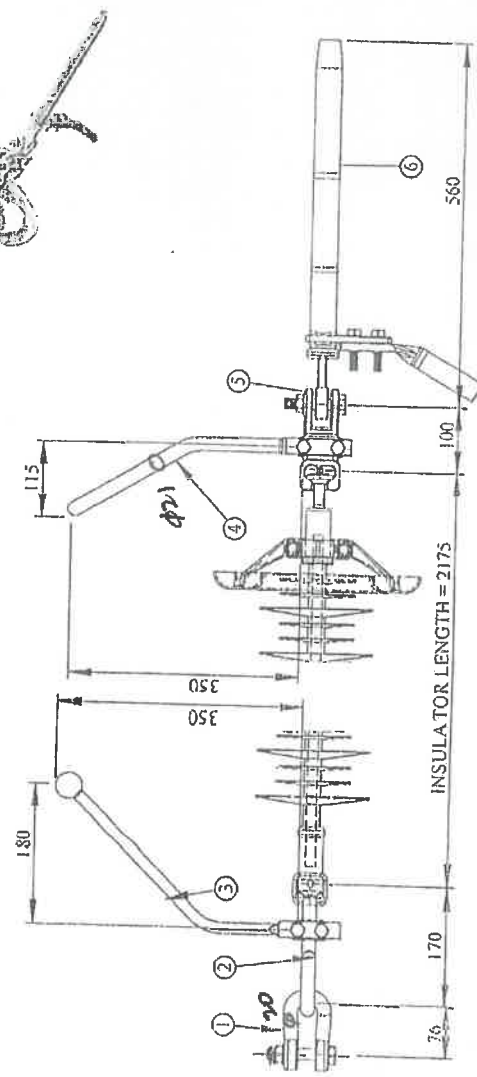
TECHNICAL DATA:

- GENERAL TOLERANCE 5% UNLESS SPECIFIED
 - ALL FERROUS PARTS ARE HOT DIP GALVANISED AS PER IS 2629/2633
 - SPRING WASHER ARE ELECTRO GALVANISED
 - APPLICABLE STANDARD - IS: 2486 (PART-II)
 - BALL & SOCKET SIZE 20 mm AS PER IS: 2486 (PART-II)
 - UTS OF STRING - 120kN
 - SLIP STRENGTH OF THE CLAMP (MIN) 95 % OF UTS OF COND
- ### ELECTRICAL CHARACTERISTICS:
- RATED VOLTAGE - 220kV
 - POWER FREQUENCY WITHSTAND VOLTAGE (WET) - 450kV (rms)
 - LIGHTNING IMPULSE WITHSTAND VOLTAGE (DRY) - 1050 KVp
 - MINIMUM CORONA EXTINCTION VOLTAGE (DRY) - 35kV (rms)
 - RIV AT 155kV (rms) (DRY) BELOW 1000 MICROVOLTS

CLIENT:	KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
END CONTRACTOR:	M/S KALPATARU POWER TRANSMISSION LIMITED
CONTRACTOR:	M/S OM ACOSSATES, BELAGAVI
PROJECT:	<p>A. ESTABLISHING 220/110 KV SUBSTATION IN THE PREMISES OF M/S AEGUS SEZ PVT LTD AT HATTARGI VILLAGE IN HUKKERI TALUK, BELAGAVI DISTRICT</p> <p>B. CONSTRUCTION OF 220KV D/C LINES (4 CIRCUITS) FROM EXISTING 220KV BELAGAVI-HUKKODI D/C LINES TO THE PROPOSED 220/110KV AEGUS SUBSTATION FOR A DISTANCE OF 5.67km INCLUDING ASSOCIATED DISMANTLING WORKS</p> <p>C. CONSTRUCTION OF 110KV D/C LINES FROM PROPOSED 220/110KV AEGUS SUBSTATION TO LINK EXISTING 110KV DADDI HATTARGI & HUKKERI SUBSTATIONS FOR A DISTANCE OF 22.075km (BY PARTLY CONVERTING EXISTING 110KV S/C & D/C LINES) INCLUDING ASSOCIATED DISMANTLING WORKS ON PARTIAL TURNKEY BASIS, INCLUDING DESIGNING OF 110KV D/C TOWERS, SUPPLY OF ALL EQUIPMENTS, MATERIALS (EXCLUDING 11KV SWITCHGEARS), ERECTION, CIVIL WORKS, TESTING & COMMISSIONING</p>

TITLE	220KV SINGLE TENSION FOR ACSR DRAKE CONDUCTOR (Ø 28.14mm).
DRAWN BY	ADJ
CHECKED BY	SATISH
APPROVED BY	BRITO
ISSUED DATE	03-07-2020
FILE NAME:	FISWKP/CL-DRAKE
DRAWING NO:	LE-ST-SD-28.14
SCALE:	NOT TO SCALE
SIZE:	A4

ITEM NO.	DESCRIPTION	QTY.	MATERIAL	UTS in kN	PART NO
6	WED END CLAMP	1	EC GRADE 1953 & FORGED STEEL, CL-II		MW30011
5	HH SOCKET CLEVIS	1	FORGED STEEL, HDG, CL-IV, JS - 2004	120	MW02070
4	TUBULAR ARCING HORN	1	MILD STEEL, HDG, JS 2002	-	MR0628
3	BALL & ROD ARCING HORN	1	MILD STEEL, HDG, JS 2002	120	MR06170
2	HH BALL LINK	1	FORGED STEEL, HDG, CL-IV, JS - 2004	120	MW02080
1	ANCHOR SHACKLE	1	FORGED STEEL, HDG, CL-IV, JS - 2004	120	MW02080



APPROVED

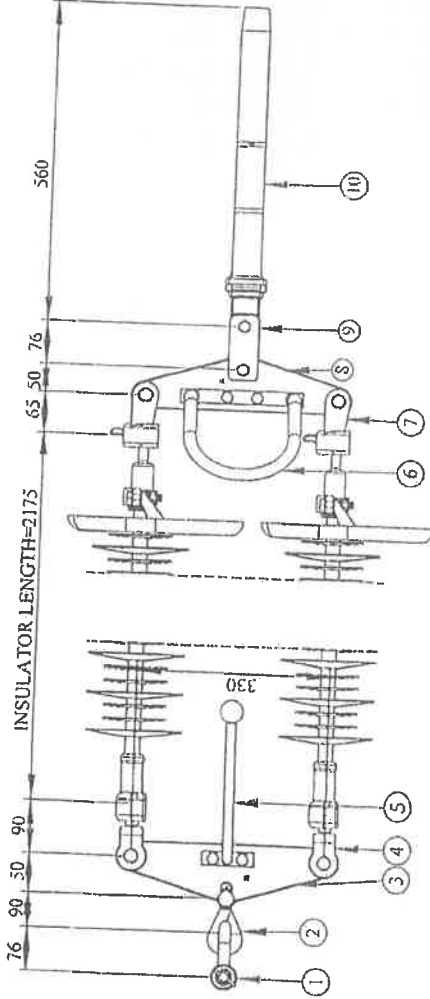
(Signature)

ACEE (P & C) 13/11

KPTCL, Bangalore

Annexure - C

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KPTCL., Bangalore

ITEM NO.	DESCRIPTION	QTY.	MATERIAL	UTS	PART NO
10	DEAD END CLAMP	1	EC GRADE, 19300 & FORGED STEEL, CL-II		MW30011
9	EXTENSION LINK	1	MILD STEEL, HDG, IS 2062	120	MW05040
8	YOKE PLATE	1	MILD STEEL, HDG, IS 2062	120	MW29044
7	SOCKET CLEVIS	2	FORGED STEEL, HDG, CL-IV, IS - 2004	60	MW2040
6	ARCING HORN (I.S)	1	MILD STEEL, HDG, IS 2062	-	MW3077P
5	ARCING HORN (T.S)	1	MILD STEEL, HDG, IS 2062	-	MW3077I
4	BALL CLEVIS	2	FORGED STEEL, HDG, CL-IV, IS - 2004	60	MW02080
3	YOKE PLATE (T.S)	2	MILD STEEL, HDG, IS 2062	120	MW29042
2	TWISTED SHACKLE	1	FORGED STEEL, HDG, CL-IV, IS - 2004	120	MW02020
1	ANCHOR SHACKLE	1	FORGED STEEL, HDG, CL-IV, IS - 2004	120	MW29092

- TECHNICAL DATA:**
- 1 GENERAL TOLERANCE: 5% UNLESS SPECIFIED
 - 2 ALL FERROUS PARTS ARE HOT DIP GALVANISED AS PER IS 2629/2633
 - 3 SPRING WASHER ARE ELECTRO GALVANISED
 - 4 APPLICATION STANDARD - IS. 2486 (PART-II)
 - 5 BALL & SOCKET SIZE 20 mm AS PER IS. 2486 (PART-II)
 - 6 UTS OF STRING 120KN
 - 7 SLIP STRENGTH OF THE CLAMP (MIN) 95 % OF UTS OF COND
- ELECTRICAL CHARACTERISTICS:**
- 1 RATED VOLTAGE 220KV
 - 2 POWER FREQUENCY WITHSTAND VOLTAGE (WET)- 460KV (rms)
 - 3 LIGHTNING IMPULSE WITHSTAND VOLTAGE (DRY) - 1050 KVp
 - 4 MINIMUM CORONA EXTINCTION VOLTAGE (DRY) 156kV (rms)
 - 5 RIV AT 156kV (rms) (DRY) BELOW 1000 MICROVOLTS

CLIENT:	KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
END CONTRACTOR	M/s KALPATARI POWER TRANSMISSION LIMITED
CONTRACTOR	M/s OM ASSOCIATES, BELAGAVI

PROJECT:

A ESTABLISHING 2X132KV, 220/110KV SUBSTATION IN THE PREMISES OF M/s AEGIS SEZ PVT LTD AT RAFTARGI VILLAGE IN HUKKERI TALUK, BELAGAVI DISTRICT

B CONSTRUCTION OF 220KV D/C LINES (4 CIRCUITS) FROM EXISTING 220KV BELGAVI-CHIKKODI D/C LINES TO THE PROPOSED 220/110KV AEGIS SUBSTATION FOR A DISTANCE OF 5.637km INCLUDING ASSOCIATED DISMANTLING WORKS

C CONSTRUCTION OF 110KV D/C / MICROLINES FROM PROPOSED 220/110KV AEGIS SUBSTATION TO LINK EXISTING 110KV DADDE, HATTARGI & HUKKERI SUBSTATIONS FOR A DISTANCE OF 22.075km (BY PARTLY CONVERTING EXISTING 110KV D/C LINES) INCLUDING ASSOCIATED DISMANTLING WORKS ON PARTIAL TURNKEY BASIS, INCLUDING DESIGNING OF 110KV D/C TOWERS, SUPPLY OF ALL EQUIPMENTS/MATERIALS (EXCLUDING 11KV SWITCHGEARS), ERECTION, CIVIL WORKS, TESTING & COMMISSIONING.

TITLE: 220KV DOUBLE TENSION STRING FOR ACSR DRAKE CONDUCTOR (Ø 28.14 mm)	
DRAWN BY	API
CHECKED BY	SATISH
APPROVED BY	BRITO
ISSUED DATE	03-07-2020
FILE NAME	FISWKPCL-DRAKE-110KV
DRAWING NO:	LF-DT-SD-28.14
SCALE:	NOT TO SCALE
SIZE:	A4

LEGION ENERGY
(AN ISO 9001:2015 COMPANY)
Plot No: 61/62 & 63, Obedanahalli Indl. Area,
KADAP Phase-III 6th Road, Dattaballapura,
Bangalore - 561 203
Email: sales@legionenergy.com

ALL DIMENSIONS ARE IN mm
PROJECTION:
SCALE:

