



NORTH BIHAR POWER DISTRIBUTION CO. LTD.
[Office of Chief Engineer, Project-II]
(Regd. Office: Vidyut Bhawan, Bailey Road, Patna)
CIN No: U40109BR2012SGC018920

Letter No: 810
[File No: NB/P-II/RDSS]GTP/Drawing/Darbhanga-20/2023]
Dated: 20/10/23

Contact No: +91-9264437179

E-mail: cerdssnbpdc12@gmail.com

From,

Pranav Kumar
Chief Engineer (Project-II)

To,

M/s J.K. Electric Contractor LLP,
(Subcontractor of M/s JSP Project Pvt. Ltd, Ghaziabad)
158-159 ,Mahendwas House ,Nehure Bazar, Jaipur
Email: info@jkecllp, jkec1981@gmail.com,

Sub: - Approval of GTP & Drawings of 3CX50+1CX35+1CX16, 3CX35+1CX25+1CX16 & 2CX16+1CX25 Sqmm LT AB Cables 31/PR/NBPDCL/2022 for Darbhanga Circle.

- Ref:** 1. This Office NOA No: 15 & 16 dated 06.03.2023.
2. Vendor Approval vide letter no. 207 Dated 15.09.2023 of Director (Project).
3. Your Letter No- JKEC(LLP)/NB/RDSS/23/DBG/114 dated 16/10/2023

With reference to the subject noted above, please find enclosed herewith the GTP & drawing of 3CX50+1CX35+1CX16, 3CX35+1CX25+1CX16 & 2CX16+1CX25 Sqmm LT AB Cables for Development of Distribution Infrastructure against NIT No: 31/PR/NBPDCL/2022 for Darbhanga Circle under Revamped Reforms-Based And Results-Linked, Distribution Sector Scheme.

Sl. No.	Name of Item	Vendor Name
(i)	3CX50+1CX35+1CX16,	M/s S.S Industries ,58,N.S .Road, Goshala,Liluha,Howrah-711204, W.B
(ii)	3CX35+1CX25+1CX16 &	
(iii)	2CX16+1CX25 Sqmm LT AB Cables	

The Correction wherever required in GTP/ Drawing submitted by the manufacturer has been done. However, these Drawings shall be subject to correctness as per technical specifications of the tender document and the entire responsibility of the correctness of the drawing as per the specifications as well as supply of material according to the technical specifications of the contract agreement shall be responsibility of the contractor.

In case of any conflict or contradiction between GTP / Drawings & Technical Specifications, the decision of C.E. (Project-II) shall be final and binding on both the parties. Contractor shall have to replace the material to the entire satisfaction of the owner in case the material is found unsuitable for use in the project, at any stage

Please carry out the works immediately under conditions stated above.

Encl.:- As above.

Yours faithfully

Pranav Kumar
20/10/2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo no. 810/

dated. 20/10/23/

Copy forwarded M/s NCC Limited, Hyderabad/ M/s Vindhya Telelinks Ltd., Delhi / M/s Polycab Limited, Mumbai / M/s Ashoka Buildcon Limited, Nashik/ M/s Cabcon Limited, Kolkata/ M/s Techno Power Enterprises Private Limited, Kolkata/ M/s Vaishno Associates Vidyut Projects LLP, Jaipur for information.

Pranav Kumar
20/10/2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No. 810/

dated. 20/10/23/

Copy forwarded to Chief Engineer Project-I (Urban), for kind information and needful action.

Pranav Kumar
20/10/2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No. 810/

dated. 20/10/23/

Copy forwarded to M/s Rodic Consultants, HQ Team for kind information and needful action.

Pranav Kumar
20/10/2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No. 810/

dated. 20/10/23/

Copy forwarded to Director (Projects)/ OSD to MD, NBPDCCL , Patna for kind information .

Pranav Kumar
20/10/2023

(Pranav Kumar)

Chief Engineer (Project-II)

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S. S. INDUSTRIES

Manufacturer of Electrical Wires & Cables

Branch Kolkata : 36A, Harin Bari Lane, Kolkata - 700073
Branch Howrah : 58, N. S. Road, Goshala, Liluah, Howrah - 711204 (W.B.)
Phone : 3021 0646, 2645 0068, M: 98301 66909, 98301 35305
E-mail : ssindustries2014@gmail.com

Ref. No.

Date :

OWNER	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED
PROJECT	RDSS PROJECT. NBPDC
CONTRACTOR	M/S J.K. Electric Contractor LLP
MANUFACTURER	M/S S. S. INDUSTRIES HOWRAH-711204
TITLE	AB CABLE- 3CX50+1CX16+1x35 SQ MM
LOA NO/NIT/RFB No	15 & 16 Dated 06.03.2023
GTP NO	NBPDC/02/ABC Rev 01

GUARANTEED TECHNICAL PARTICULARS FOR LT AB CABLES FOR WORKING VOLTAGE UPTO 1100 VOLTS

Sl. No.	Size of Cables	
1	Manufacturer Name	3C X 50 + 1C X 16 + 1 X 35 (Bare) ✓ S. S. Industries ✓
2	Brand Name/ Trade Mark	BRIK MONT ✓
3	Rated Voltage & Frequency with permissible variation	1100 V (±10%), 50Hz (±5%) ✓
4	Phase conductor details	
	i) Material & Class of Conductor	Stranded AL Conductor insulated ✓
	ii) No. of Phase Conductor	H2/H4 Gr. Al. conductor as per IS:8130/2013; <i>EC Grade</i> ✓
	iii) Nominal Cross Sectional area of each conductor in sq. mm	3 ✓
	iv) No. of Wire in each Phase Conductor/Dia of each strand	50 ✓
	v) Shape of each Conductor	7/3.02 ✓
	vi) Dia. of each compacted conductor in mm (min)	Compacted Circular. ✓
	vii) Tensile Strength of each strand in N/mm ²	7.90(Tolerancr±5%) ✓
	viii) Max. D. C. resistance at 20°C (ohm/km)	90(min)(Before Stranding) ✓
	ix) Material of Insulation	0.641 ✓
	x) Colour of Insulation	Cross Linked Polyethelene ✓
	xi) Insulation Thickness (mm)	Black ✓
	a. Nominal	1.50 ✓
	b. Minimum	1.25 ✓
xii) Core Identificaion	Ridge 1, Ridge 2, Ridge 3 ✓	
xii) Standard specification to which this material shall confirm	IS:8130/84 & IS:14255/95 ✓	
5	Messenger details	
	i) Material of Messenger Wire	Alloy Aluminium ✓
	ii) Nominal Cross Sectional area of conductor in sq. mm	35 ✓
	iii) No. of Strand/Dia of each strand(mm)	7/2.52 ✓
	iv) Shape of Conductor	Compacted circular AL Alloy wire ✓
	v) Overall dia of conductor in mm.(Min)	6.60(Tolerancr±5%) ✓
	vi) Minimum breaking load of the Conductor in KN	9.8 ✓
	vii) Max. D. C. resistance at 20°C (ohm/km)	0.986 ✓
	viii) Core Identificaion	NA ✓
	ix) Standard specification to which this material shall confirm	IS:398(P-IV)/94 & IS:14255/95 ✓
6	Street Light details	
	i) Material & Class of Conductor	
	ii) No. of Street Light Conductor	H2/H4 Gr. Al. conductor as per IS:8130/2013; Cl-2 ✓ <i>EC Grade</i>
	iii) Nominal Cross Sectional area of each conductor in sq. mm	1 ✓
	iv) No. of Strand/Dia of each strand(mm)	16 ✓
	v) Shape of each Conductor	7/1.70 ✓
	vi) Dia. of each compacted conductor in mm (min)	Compacted Circular. ✓
	vii) Tensile Strength of each strand in N/mm ²	4.40(Tolerancr±5%) ✓
	viii) Material of Insulation	90(min)(Before Stranding) ✓
	ix) Colour of Insulation	Cross Linked Polyethelene ✓ Black ✓

APPROVED
Subject to the condition that you are not absolved of the responsibility of Correctness of materials

Anwar Kuma
Chief Engineer (Project-II)
NBPDC

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AEE(P-II) EEE(P-II) ESE(P-II)

J.K. Electric Contractor LLP
Jaipur

CONSULTANT
PATNA



S. S. INDUSTRIES

Manufacturer of Electrical Wires & Cables

Branch Kolkata : 36A, Harin Bari Lane, Kolkata - 700073
Branch Howrah : 58, N. S. Road, Goshala, Liluah, Howrah - 711204 (W.B.)
Phone : 3021 0646, 2645 0068. M: 98301 66909, 98301 35305
E-mail : ssindustries2014@gmail.com

Ref. No.

Date :

6	vii)	Max. D. C. resistance at 20°C (ohm/km)	1.91 ✓
	viii)	Material of Insulation	Cross Linked Polyethelene ✓
	ix)	Colour of Insulation	Black ✓
	x)	Insulation Thickness (mm)	
	a.	Nominal	1.20 ✓
	b.	Minimum	0.98 1.20 ✓
xi)	Core Identificaion	Plain ✓	
7	xii)	Standard specification to which this material shall confirm	IS:8130/2013 & IS:14255/95 ✓
	Physical & Electrical Test on XLPE Insulation		
	i)	Minimum Volume Resistivity at 27°C in ohm-cm	1 X 10 ¹³ ✓
	ii)	Minimum Volume Resistivity at 70°C in ohm-cm	1 X 10 ¹¹ ✓
	iii)	Minimum Tesnile Strength	12.5 N/mm ² ✓
	iv)	Minimum Elongation at Break	200% ✓
	v)	Normal Continuous Conductor temp. °C	90 ✓
	vi)	Short Circuit condition °C	250 ✓
	vii)	Permanent Elongation (Set) after cooling (max.)	15% ✓
	viii)	Hot Set Test for Insulation, % (max.)	175% ✓
8	Elongation under load		
		Minimum cable bending radius (In terms of cable diameter)	10(D+d) ✓
	Complete AB Cable		
	i)	Continuous Current Rating in air at 40°C in Amps	149
	ii)	Ac High Voltage (Voltage application & duration of test)	3 KV ac for 5 mins. ✓
	v)	No. of Length in a single drum	One ✓
	vi)	Approximate Overall dia of cable	29.0 ✓
	vii)	Shiping Weight & size of cable drum	
	a.	Packing material and its standard	Wooden Drum as per IS:10418/1982 ✓
	b.	Marking on cable Drum	Cl.13.2 OF is:14255/1995 ✓
	c.	Standard Length & tolerance	1000 mtrs ± 5% ✓
	d.	Non Standard Length of Cable per Drum (meter)	Max.50% of the standard length to extent 10% of the order qty. ✓
Weight of Cable (KG/KM) (Approx.)			
a.	Phase & Street Conductor(Aluminium)	423	
b.	Messenger Conductor (Aluminium Alloy)	95	
c.	Phase+Street Light Conductor (Insulation)	142	
d.	Total	660	
vii)	Identification- Embossing/ Printing	BRIK MONT 1.1 KV LT XLPE-90 AB CABLE 3C x 50 + 1C x 16 + 1 x 35 SQ.MM IS:14255/95 (ISI LOGO) CM/L- 5100008871 NBPDCL RDSS-2023. ✓	
xii)	Formation of Cable:	Three core XLPE insulated along with street light core twisted around bare earth/neutral cum messenger wire.	

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[Signature]
Chief Engineer (Project-II)
NBPDCL

Developed under RDSS

Factory : 58, N. S. Road, Liluah, Howrah - 711204

Note:- Left over Parameters if any shall be as per TS of RDSS
Hotset at Temp °C

- Treatment Temp :- 200 ± 3°C
- Time under load :- 15 min
- Mechanical stress :- 20N/cm²



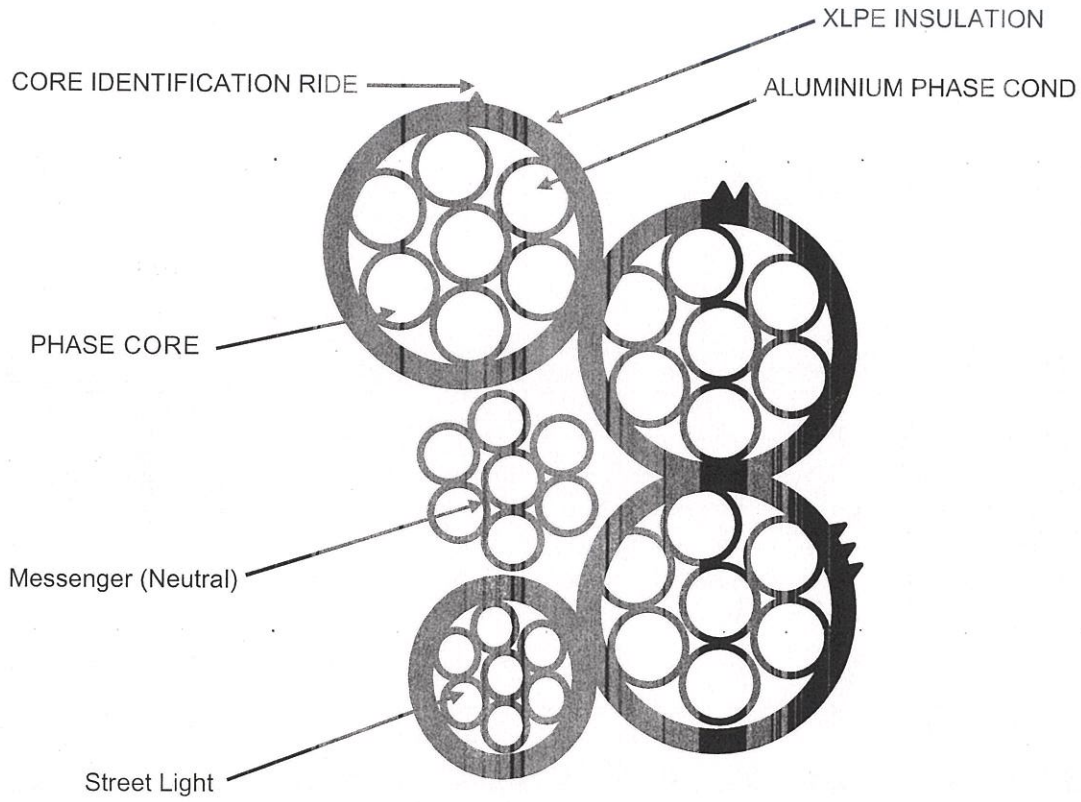
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[Signature]
AEE(P-II) EEE(P-II) ESE(P-II)



TECHNICAL DRAWING

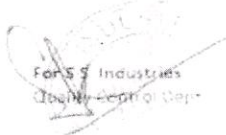
3CX50+ 16+35 SQMM LT AB CABLE

CROSS SECTIONAL VIEW (Not to Scale)



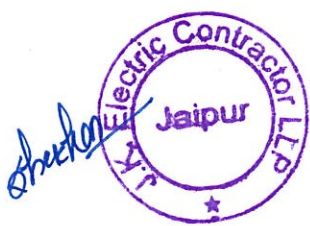
OWNER	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED
PROJECT	RDSS PROJECT. NBPDCL
CONTRACTOR	M/S J.K.Electric Contractor LLP
MANUFACTURER	M/S S. S INDUSTRIES HOWRAH-711204
TITLE	AB CABLE- 3CX50+ 16+35 SQ MM
LOA NO	

15 & 16 Dated 06.03.2023



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 Subject to the condition that
 you are not absolved of
 responsibility of
 Correctness of material

Pranav Kumar
 Chief Engineer (Project-II)
 NBPDCL



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 AEE(P-II) EEE(P-II) ESE(P-II)







S. S. INDUSTRIES

Manufacturer of Electrical Wires & Cables

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Ref. No.

Date :

OWNER	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED
PROJECT	RDSS PROJECT. NBPDC
CONTRACTOR	M/S J.K.Electric Contractor LLP
MANUFACTURER	M/S S. S INDUSTRIES HOWRAH-711204
TITLE	AB CABLE- 3CX35+1CX 16 + 1x25 SQ MM
LOA NO	15 & 16 Dated 06.03.2023
GTP NO	NBPDC/02/ABC Rev 03

GUARANTEED TECHNICAL PARTICULARS FOR LT AB CABLES FOR WORKING VOLTAGE UPTO 1100 VOLTS

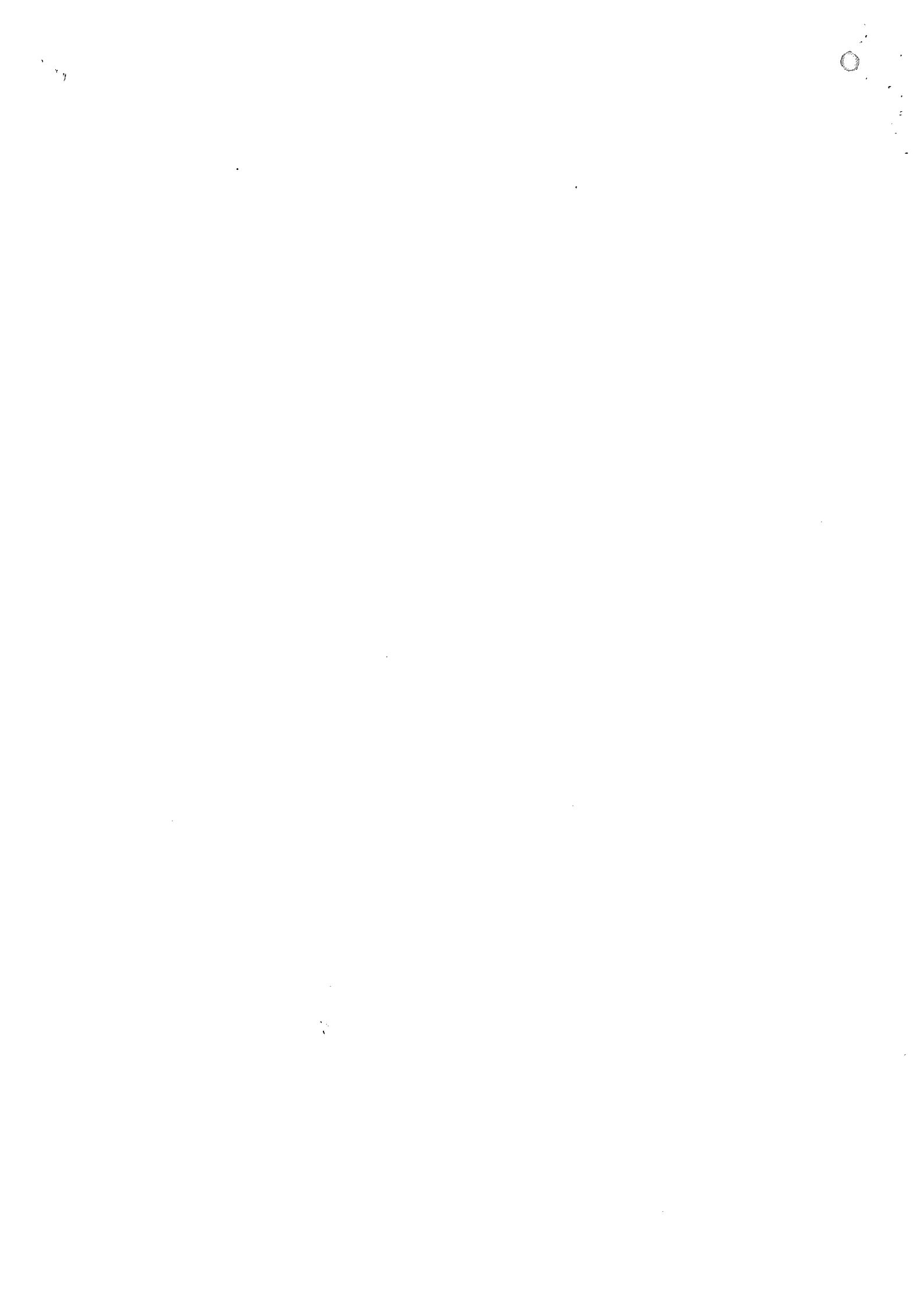
Sl. No.	Size of Cables	
1	Manufacturer Name	3C X 35 + 1C X 16 + 1 X 25 (Bare) S. S. Industries
2	Brand Name/ Trade Mark	BRIK MONT
3	Rated Voltage & Frequency with permissible variation	1100 V (±10%), 50Hz (±5%) 50 Hz 3 37
4	Phase conductor details	
	i) Material & Class of Conductor	EC GRADE H2/H4 Gr. Al. conductor as per IS:8130/1984; Cl-2
	ii) No. of Phase Conductor	3
	iii) Nominal Cross Sectional area of each conductor in sq. mm	35
	iv) No. of Wire of Phase Conductor/Dia of each strand	7/2.52
	v) Shape of each Conductor	Compacted
	vi) Dia. of compacted conductor in mm (min)	6.70(Tolerancr±5%)
	vii) Tensile Strength of each strand in N/mm ²	90(min)(Before Stranding)
	viii) Max. D. C. resistance at 20°C (ohm/km)	0.868
	ix) Material of Insulation	Cross Linked Polyethelene
	x) Colour of Insulation	Black
	xi) Insulation Thickness (mm)	
	a. Nominal	1.20
	b. Minimum	0.98
xii) Core Identificaion	Ridge 1,Ridge 2,Ridge 3	
xii)	Standard specification to which this material shall confirm	IS:8130/2013 & IS:14255/95 with latest Amendment
5	Messenger details	
	i) Material of Messenger Wire	Alloy Aluminium
	ii) Nominal Cross Sectional area of conductor in sq. mm	25
	iii) No. of Strand/Dia of each strand(mm)	7/2.14
	iv) Shape of Conductor	Compacted
	v) Dia of conductor in mm.(min)	5.60(Tolerancr±5%)
	vi) Minimum breaking load of the Conductor in KN	7.0
	vii) Max. D. C. resistance at 20°C (ohm/km)	1.38
	viii) Material of Insulation	NA
	ix) Colour of Insulation	NA
	x) Insulation Thickness (mm)	
	a. Nominal	NA
	b. Minimum	NA
	xi) Core Identificaion	NA
xii) Standard specification to which this material shall confirm	IS:398(P-IV)/94 & IS:14255/95	

Factory : 58, N. S. Road, Liluah, Howrah - 711204

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Manufacturer of Electrical Wires & Cables

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Phone : 3021 0646, 2645 0068. M- 98301 66909, 98301 35305
E-mail : ssindustries2014@gmail.com

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Ref. No.

Date :

Street Light details		
i)	Material & Class of Conductor	EC GRADE H2/H4 Gr. Al. conductor as per IS:8130/2013; CI-2
ii)	No. of Street Light Conductor	1
iii)	Nominal Cross Sectional area of each conductor in sq. mm	16
iv)	No. of Strand/Dia of each strand(mm)	7/1.70
v)	Shape of each Conductor	Compacted
vi)	Dia. of compacted conductor in mm (min)	4.40(Tolerancr±5%)
vii)	Tensile Strength of each strand in N/mm ²	90(min)(Before Stranding)
viii)	Max. D. C. resistance at 20°C (ohm/km)	1.91
ix)	Material of Insulation	Cross Linked Polyethelene
x)	Colour of Insulation	Black
xi)	Insulation Thickness (mm)	
a.	Nominal	
b.	Minimum	1.20
xii)	Core Identificaion	0.98 1-20
xiii)	Standard specification to which this material shall confirm	Plain
Physical & Electrical Test on XLPE Insulation		IS:8130/2013 & IS:14255/95
i)	Minimum Volume Resistivity at 27°C in ohm-cm	
ii)	Minimum Volume Resistivity at 70°C in ohm-cm	1 X 10 ¹³
iii)	Minimum Tensile Strength	1 X 10 ¹¹
iv)	Minimum Elongation at Break	12.5 N/mm ²
v)	Normal Continuous Conductor temp. °C	200%
vi)	Short Circuit condition °C	90
vii)	Hot Set Test for Insulation, % (max.)	250
viii)	Permanent Elongation (Set) after cooling (max.)	175%
ix)	Minimum cable bending radius (In terms of cable diameter)	15%
Complete AB Cable		10(D+d)
i)	Continuous Current Rating in air at 40°C in Amgs	
ii)	Ac High Voltage (Voltage application & duration of test)	117
v)	No. of Length in a single drum	3 KV ac for 5 mins.
vi)	Approximate Overall dia of cable	One
vii)	Shiping Weight & size of cable drum	24.0
a.	Packing material and its standard	
b.	Marking on cable Drum	Wooden Drum as per IS:10418/1982
c.	Standard Length & tolerance	Cl.13.2 OF is:14255/1995
d.	Non Standard Length of Cable per Drum (meter)	500 1000 mtrs ± 5%
vii)	Identification- Embossing/ Printing	Max.50% of the standard length to extent 10% of the order qty.

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 you are not absolved of the
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 Correctness of materials
 Chief Engineer (Project-II)
 NRIK MONT

BRIK MONT 1.1 KV LT XLPE-90 AB CABLE 3C x 35 + 1C x 16 + 1 x 25 SQ MM IS:14255/95 (ISI LOGO) CM/L- 5100008871 ELECTRIC NBPDCI-RDSS 2023. Developed

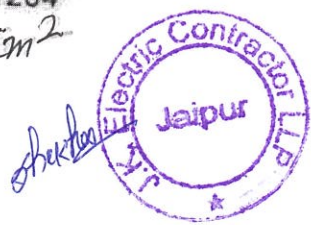


Note:- Left over Parameters under RDSS/ Mfg year/ NBPDCI-LR
 * HOTset at Temp (C)
 Treatment Temp :- 200 ± 3°C
 Time under load :- 15 min

Factory : 58, N. S. Road, Liluah, Howrah - 711204

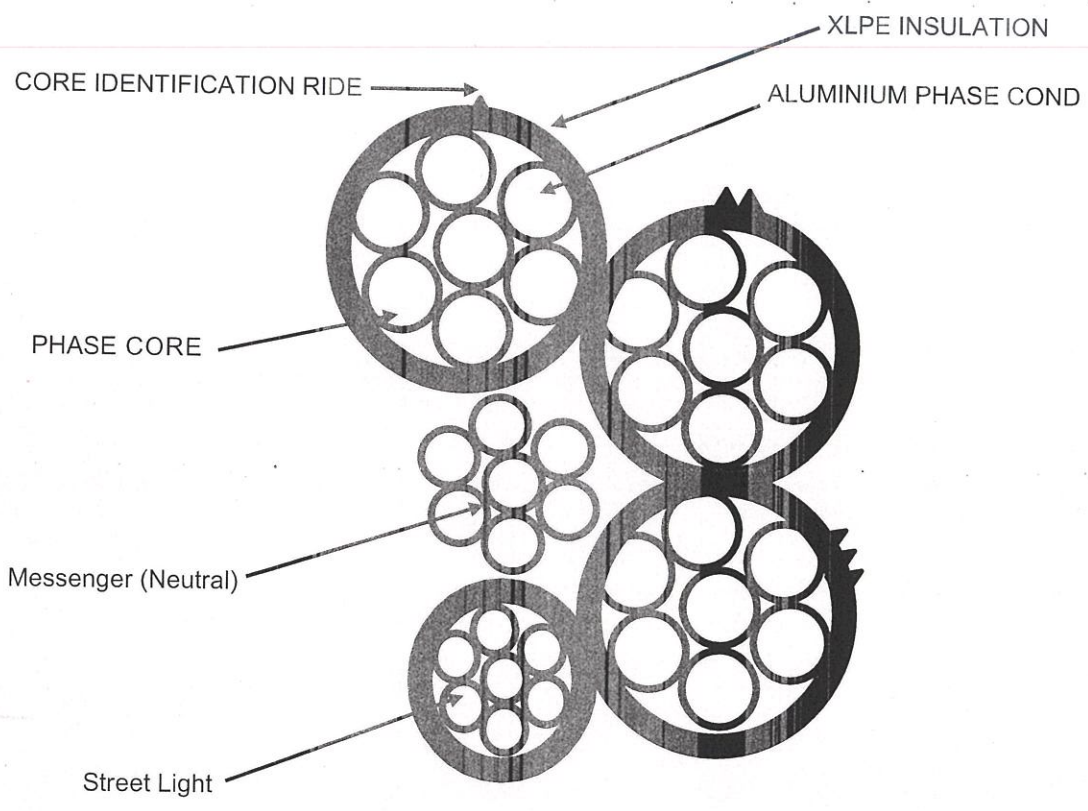
- Mechanical stress :- 20N/cm²

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TECHNICAL DRAWING
3CX35+ 16+25 SQMM LT AB CABLE
CROSS SECTIONAL VIEW (Not to Scale)



OWNER	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED
PROJECT	RDSS PROJECT. NBPDC
CONTRACTOR	M/S J.K.Electric Contractor LLP
MANUFACTURER	M/S S. S INDUSTRIES HOWRAH-711204
TITLE	AB CABLE- 3CX35+ 16+25 SQ MM
LOA NO	

15 & 16 Dated 06.03.2023

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Pranav Kumar
 Chief Engineer (Project-II)
 NBPDC

[Signature]
 For S.S Industries
 Quality Dept of Dept

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[Signature]
 ASEP-II) ESE(P-II) ESE(P-II)

[Signature]
 Electric Contractor LLP
 Jaipur

[Signature]
 CONSULTANTS PVT. LTD.
 PATNA

10



S. S. INDUSTRIES

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Phone : 3021 0646, 2645 0068, M: 98301 66909, 98301 35305
E-mail : ssindustries2014@gmail.com

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Ref. No.

Date

OWNER	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED
PROJECT	RDSS PROJECT, NBPDC
CONTRACTOR	M/S J.K.Electric Contractor LLP
MANUFACTURER	M/S S. S INDUSTRIES HOWRAH-711204
TITLE	AB CABLE- 2CX16+1CX25 SQ MM
LOA NO	15 & 16 Dated 06.03.2023
GTP NO	NBPDC/02/ABC Rev 01

GUARANTEED TECHNICAL PARTICULARS FOR LT AB CABLES FOR WORKING VOLTAGE UPTO 1100 VOLTS

Sl. No.	Size of Cables	
		2C X 16 + 1 X 25 ✓
1	Manufacturer Name	S. S. Industries
2	Brand Name/ Trade Mark	BRIK MONT
3	Rated Voltage & Frequency with permissible variation	1100 V (±10%), 50Hz (±5%) ✓
Phase conductor details		
i)	Material & Class of Conductor	<i>EC Grade</i> H2/H4 Gr. Al. conductor as per IS:8130/1984; Cl-2
ii)	No. of Phase Conductor	<i>2</i>
iii)	Nominal Cross Sectional area of each conductor in sq. mm	16 ✓
iv)	No. of Wire of Phase Conductor/Dia of each strand	7/1.70 ✓
v)	Shape of each Conductor	<i>stranded</i> Compacted ✓
vi)	Dia. of compacted conductor in mm (min)	4.40(Tolerance ±5%) ✓
vii)	Tensile Strength of each strand in N/mm ²	90(min)(Before Stranding) ✓
viii)	Max. D. C. resistance at 20°C (ohm/km)	1.91 ✓
ix)	Material of Insulation	Cross Linked Polyethelene
x)	Colour of Insulation	Black
xi)	Insulation Thickness (mm)	
a.	Nominal	1.20
b.	Minimum	0.98
xii)	Core Identificaion	Ridge 1
xii)	Standard specification to which this material shall confirm	IS:8130/2013 & IS:14255/95
Messenger details		
i)	Material of Messenger Wire	<i>Aluminium, Magnesium Silicon Alloy IS:398 Part-IV</i>
ii)	Nominal Cross Sectional area of conductor in sq. mm	25 ✓ <i>Mag - 0.5%, Si - 0.5%</i>
iii)	No. of Strand/Dia of each strand(mm)	7/2.14 ✓
iv)	Shape of Conductor	<i>APPROVED</i> <i>Stranded</i> Compacted
v)	Dia of conductor in mm.(min)	5.60(Tolerance ±5%) <i>5.8</i>
vi)	Minimum breaking load of the Conductor in KN	7.0 ✓
vii)	Max. D. C. resistance at 20°C (ohm/km)	1.38 ✓
viii)	Material of Insulation	NA ✓
ix)	Colour of Insulation	NA ✓
x)	Insulation Thickness (mm)	
a.	Nominal	NA ✓
b.	Minimum	NA ✓
xi)	Core Identificaion	NA ✓
xii)	Standard specification to which this material shall confirm	IS:398(P-IV)/94 & IS:14255/95
Street Light details - Not Applicable.		
i)	Material & Class of Conductor	EC Grade, H2/H4 Gr. Al. conductor as per IS:8130/2013; Cl-2
ii)	No. of Street Light Conductor	

APPROX MASS OF PHASE CONDUCTOR - 42 KG/KM



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S. S. INDUSTRIES

Manufacturer of Electrical Wires & Cables

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Phone : 3021 0646, 2645 0068 M: 98301 66909, 98301 35305
E-mail : ssindustries2014@gmail.com

Ref. No.

Date

iii)	Nominal Cross Sectional area of each conductor in sq. mm	16
iv)	No. of Strand/Dia of each strand(mm)	7/1.70
v)	Shape of each Conductor	Compacted
vi)	Dia. of compacted conductor in mm (min)	4.40(Tolerance +5%)
vii)	Tensile Strength of each strand in N/mm ²	90(min)(Before Stranding)
viii)	Max. D. C. resistance at 20°C (ohm/km)	1.91
ix)	Material of Insulation	Cross Linked Polyethelene
x)	Colour of Insulation	Black
xi)	Insulation Thickness (mm)	
8	a. Nominal	1.20
	b. Minimum	0.98 1.20
xii)	Core Identification	Plain
xiii)	Standard specification to which this material shall conform	IS:8130/2013 & IS:14255/95
Physical & Electrical Test on XLPE Insulation		
i)	Minimum Volume Resistivity at 27°C in ohm-cm	1 X 10 ¹³
ii)	Minimum Volume Resistivity at 70°C in ohm-cm	1 X 10 ¹¹
iii)	Minimum Tensile Strength	12.5 N/mm ²
iv)	Minimum Elongation at Break	200%
v)	Normal Continuous Conductor temp. °C	90
vi)	Short Circuit condition °C	250
vii)	Hot Set Test for Insulation, % (max.)	175 %
	<i>Elongation under load (%)</i>	
viii)	Permanent Elongation (Set) after cooling (max.)	15%
ix)	Minimum cable bending radius (in terms of cable diameter)	10(D+d)
Complete AB Cable		
9	i) Continuous Current Rating in air at 40°C in Amps	72
	ii) Ac High Voltage (Voltage application & duration of test)	3 KV ac for 5 mins.
	v) No. of Length in a single drum	One
	vi) Approximate Overall dia of cable	14.0
	vii) Shipping Weight & size of cable drum	
	a. Packing material and its standard	Wooden Drum as per IS:10418/1982
	b. Marking on cable Drum	Cl.13.2 OF is:14255/1995
	c. Standard Length & tolerance	500 2000 mtrs ± 5%
	d. Non Standard Length of Cable per Drum (meter)	Max.50% of the standard length to extent 10% of the order qty.
vii)	Identification- Embossing/ Printing	BRIK MONT 1.1 KV LT XLPE-90 AB CABLE 2C x 16 + 1 x 25 SQ MM IS:14255/95 (ISI LOGO) CM/L- 5100008871 ELECTRIC NBPDCI BISS-2023.

Note:- Left over parameters if any shall be as per TS of RDSS

Hot set at Temp °C

- Treatment Temp: - 200 ± 3°C

- Time under load: - 15 min

- Mechanical Stress: - 20 N/cm²

APPROVED

Subject to the condition that you are not absolved of the responsibility of

Correctness of materials

Factory 58, N. S. Road, Liluah, Howrah - 711204

Chief Engineer (Project-II)
NBPDCI

CHECKED

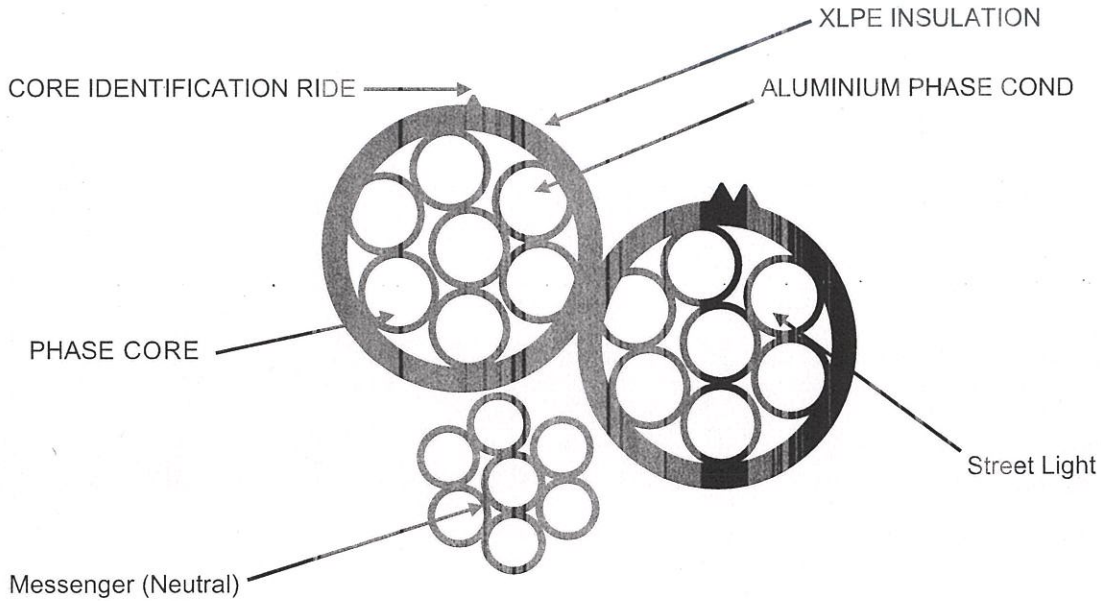
EEE(P-II) EEE(P-II) ESE(P-II)



TECHNICAL DRAWING

2CX16+25 SQMM LT AB CABLE

CROSS SECTIONAL VIEW (Not to Scale)



OWNER	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED
PROJECT	RDSS PROJECT. NBPDCL
CONTRACTOR	M/S J.K.Electric Contractor LLP
MANUFACTURER	M/S S. S INDUSTRIES HOWRAH-711204
TITLE	AB CABLE- 2CX16+25 SQ MM
LOA NO	15 & 16 Dated 06.03.2023

APPROVED
 Subject to the condition that
 you are not absolved of the
 responsibility of
 Correctness of materials

[Signature]
 Chief Engineer (Project-II)-
 NBPDCL

CHECKED
[Signature]
 AEE(P-II) EEE(P-II) ESE(P-II)

[Faint stamp]
 For S.S. Industries
 Quality Control Dept

[Signature]
 J.K. Electric Contractor LLP
 Jaipur

[Signature]
 CONSULTANTS PVT. LTD.
 PATNA

