

Plant <b>1.0 MTPA ALUMINA REFINERY STREAM-5</b>	Client <b>NALCO</b>	Contract Code <b>NAL</b>	Document ID <b>6695-ELT-G00-EB-0001</b>	Contract No. <b>66-6695</b>	
	<b>STANDARD FORMATS FOR LISTS (CONSUMER, CABLE, FEEDER, LCS, OPERATION MODE LIST)-ELECTRICAL</b>			 <b>नेशनल एल्युमिनियम कम्पनी लिमिटेड</b> <b>National Aluminium Company Ltd.</b>	
				Rev	<b>00</b>

<p><b>TKIS - India / Vendor</b></p> <p><b>Category Codes (Submission Purpose)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 For Approval</li> <li><input type="checkbox"/> 2 For Review / Comments</li> <li><input type="checkbox"/> 3 For Information</li> <li><input type="checkbox"/> 4 For Engineering</li> <li><input type="checkbox"/> 5 For Enquiry</li> <li><input type="checkbox"/> 6 For Order Placement</li> <li><input type="checkbox"/> 7 Final &amp; Approved</li> <li><input type="checkbox"/> 8 Released for Construction</li> </ul> <hr/> <p><b>Acceptance Codes (Approval Codes)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 Approved</li> <li><input type="checkbox"/> 2 Approved for Manufacturing / Fabrication with Comments as marked</li> <li><input type="checkbox"/> 3 Not Approved / Resubmit</li> <li><input type="checkbox"/> 4 Retained for Information / Records</li> <li><input type="checkbox"/> 5 Reviewed</li> <li><input type="checkbox"/> 6 Reviewed as Noted / Resubmit</li> </ul> <p><b>Remarks for AC2 :</b> This marked-up drawings is hereby approved for fabrication / manufacturing and shall be re-submitted after revision. This drawing should be revised only to the extent of TKIS - India / Owner / Client comments. Any other changes made by you will not be considered unless clearly highlighted in covering letter asking for approval.</p> <p><b>This approval / review does not absolve the supplier from the full responsibility for design and fabrication.</b></p> <p>Date : ___/___/___      Name : _____</p>	<p><b>TKIS - India / Owner / Client</b></p> <p><b>Category Codes (Submission Purpose)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 For Approval</li> <li><input type="checkbox"/> 2 For Review / Comments</li> <li><input type="checkbox"/> 3 For Information</li> <li><input checked="" type="checkbox"/> 4 For Engineering</li> <li><input type="checkbox"/> 5 For Enquiry</li> <li><input type="checkbox"/> 6 For Order Placement</li> <li><input type="checkbox"/> 7 Final &amp; Approved</li> <li><input type="checkbox"/> 8 Released for Construction</li> </ul> <hr/> <p><b>Acceptance Codes (Approval Codes)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 Approved</li> <li><input type="checkbox"/> 2 Approved for Manufacturing / Fabrication with Comments as marked</li> <li><input type="checkbox"/> 3 Not Approved / Resubmit</li> <li><input type="checkbox"/> 4 Retained for Information / Records</li> <li><input type="checkbox"/> 5 Reviewed</li> <li><input type="checkbox"/> 6 Reviewed as Noted / Resubmit</li> </ul> <p>Date : ___/___/___      Name : _____</p>
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00		Issued for Engineering	16.10.17	PDW	16.10.17	MSD	16.10.17	MSD	-
Rev.	Status	Description	Date	Prepared	Date	Checked	Date	Approved	AC
				Barcode					Category Code: - 04
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### INDEX SHEET

The document Cover Sheet indicates revisions made in this document along with the purpose of issue of the revised document. The details of revisions made in the enclosures of this document are listed in the Table of Contents below and the enclosures listed therein are an integral part of this document.

#### Table of Contents:

Sr. No.	Size	Description	QAD Code	No. of Pages	Latest Rev.
1	A4	Index Sheet and Status of Revision	-	3	0
2	A4	Consumer List	PIN-LEP-ELT-8110-F01	1	0
3	A4	Cable List	PIN-LEP-ELT-8110-F04	2	0
4	A4	Feeder List	PIN-LEP-ELT-8110-F03	1	0
5	A4	LCS List	PIN-LEP-ELT-8110-F02	2	0
6	A3	Operation Mode List	PIN-LEP-ELT-8110-F01	1	0

#### Note:

1. All above mentioned document cover the minimum requirement of list, LSTK Contractor to develop any additional requirement not covered in the formats.



**ThyssenKrupp  
Industrial Solutions (India)****ELECTRICAL CABLE LIST**

<b>Client :</b>		<b>Contract No.:</b>	XX-XXX
<b>Plant :</b>		<b>Document No.:</b>	XXXX-ELT-XXX-XX-XXXX
<b>Location :</b>		<b>Rev. No.:</b>	XX

**Cable Tag Configuration:-**

E.g. "AG-7501A-MT1-P01"

Where :-

AG-7501A-MT1 - Consumer or "To Side" tag

P01 - Power Cable

C01 - Control Cable

S01 - Power Cable for Space Heater

T01 - Control Cable for Thermistor

**Status:-**

P - Preliminary

F - Final

**Reference Documents:-**





 <b>SUMMARY OF LOCAL CONTROL STATION LIST</b>	<b>Doc. No.:</b> XXXX-ELT-XXX-XX-XXXX	
	<b>Contract No.:</b> XX-XXXX	
	<b>Rev. No.:</b> XX	<b>Date:</b> XX-XX-XXXX

TYPE	CONSTRUCTION	QUANTITY	REMARKS
A1	Industrial : Start, Stop		
A2	Flameproof (Gas Group : IIA/B) : Start, Stop		
A3	Flameproof (Gas Group : IIC) : Start, Stop		
B1	Industrial : Start, Stop + Ammeter		
B2	Flameproof (Gas Group : IIA/B) : Start, Stop + Ammeter		
B3	Flameproof (Gas Group : IIC) : Start, Stop + Ammeter		
C1	Industrial : Start, Stop + Auto/ Manual		
C2	Flameproof (Gas Group : IIA/B) : Start, Stop + Auto/ Manual		
C3	Flameproof (Gas Group : IIC) : Start, Stop + Auto/ Manual		
D1	Industrial : Start, Stop + Auto/ Manual + Ammeter		
D2	Flameproof (Gas Group : IIA/B) : Start, Stop + Auto/ Manual + Ammeter		
D3	Flameproof (Gas Group : IIC) : Start, Stop + Auto/ Manual + Ammeter		
E1	Industrial : Start-Low Speed, Start-High Speed , Stop		
E2	Flameproof (Gas Group : IIA/B) : Start-Low Speed, Start-High Speed , Stop		
E3	Flameproof (Gas Group : IIC) : Start-Low Speed, Start-High Speed , Stop		
F1	Industrial : Start-Low Speed, Start-High Speed , Stop + Ammeter		
F2	Flameproof (Gas Group : IIA/B) : Start-Low Speed, Start-High Speed , Stop + Ammeter		
F3	Flameproof (Gas Group : IIC) : Start-Low Speed, Start-High Speed , Stop + Ammeter		
G1	Industrial : Start-Forward, Start-Reverse, Stop + Ammeter		
G2	Flameproof (Gas Group : IIA/B) : Start-Forward, Start-Reverse, Stop + Ammeter		
G3	Flameproof (Gas Group : IIC) : Start-Forward, Start-Reverse, Stop + Ammeter		
H1	Industrial : Stop , ON Indication		
H2	Flameproof (Gas Group : IIA/B) : Stop , ON Indication		
H3	Flameproof (Gas Group : IIC) : Stop , ON Indication		
J1	Industrial : Stop		
J2	Flameproof (Gas Group : IIA/B) : Stop		
J3	Flameproof (Gas Group : IIC) : Stop		
K1	Industrial : Start-Stop Stay Put Type		
K2	Flameproof (Gas Group : IIA/B) : Start-Stop Stay Put Type		
K3	Flameproof (Gas Group : IIC) : Start-Stop Stay Put Type		
L1	Industrial : Breaker Control switch with return to neutral, Ready to start Indication , Trip Indication + Ammeter		
L2	Flameproof (Gas Group : IIA/B) : Breaker Control switch with return to neutral, Ready to start Indication , Trip Indication + Ammeter		
L3	Flameproof (Gas Group : IIC) : Breaker Control switch with return to neutral, Ready to start Indication , Trip Indication + Ammeter		



