

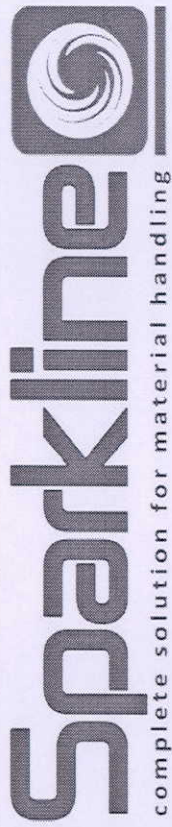
PRODUCT TYPE :- EOT CRANES		DESIGNER :-	Ashvini	
PROJECT CODE :- CYK012-1819/CYK015/025		TEAM LEADER :-	Amol Jagtap	
CUSTOMER NAME:- CICON ENGG		DATE :-	18/06/2018	
		CRANE NO :-	SGEOT-18-010-1529/93/35	
SL.NO	DESCRIPTION		DESIGNER	TL
1	PROJECT CODE/ CO NO.		✓	✓
2	CORRECT CUSTOMER NAME & ADDRESS		✓	✓
3	PROJECT TYPE	SGEOT CRANE DGEOT CRANE	✓	✓
4	PROJECT QTY	1	✓	✓
5	CAPACITY OF THE CRANE/ SYSTEM	10T	✓	✓
6	SPAN OF THE CRANE	17.1 mtr		
7	HOL OF THE CRANE	8 mtr		
8	TYPE OF CONTROL	CRANE CONTROL COMPLETE CONTROL	✓	✓
9	CONTROL VOLTAGE	24VDC 24VAC 48VAC 110VAC		
	LT POWER SUPPLY DETAILS	BUS BAR DRAG CHAIN FESTOON SYSTEM	✓	✓
11	CT POWER SUPPLY DETAILS	DRAG CHAIN FESTOON SYSTEM	✓	✓
12	MAKE OF BUSBAR	SAFETRACK SAFELINE SAFEDUCT GEOVENZANA WAMPHLER	✓	✓
13	SCOPE OF BUSBAR	SEPL CUSTOMER	✓	✓
14	SCOPE OF CURRENT COLLECTOR	SEPL CUSTOMER	✓	✓
15	TYPE OF HOIST MODEL	CHAIN HOIST WIRE RORE HOIST	✓	✓
16	TYPE OF HOIST LIMIT SWITCH	TOP LIMIT SWITCH TOP & BOTTOM LIMIT SWITCH GL-2 GEAR LIMIT SWITCH GL-4 GEAR LIMIT SWITCH GL-6 GEAR LIMIT SWITCH GL-8 GEAR LIMIT SWITCH	✓	✓
17	SWITCH GEAR MAKE	SCHNEIDER SIEMENS ANY OTHER	✓	✓
18	MECHANICAL INTERLOCK FOR CONTACTOR	SIEMENS SCHNEIDER NOT APPLICABLE	✓	✓
19	CONTROL PANEL MAKE	SEPL RITTAL	✓	✓
20	PENDENT MAKE	SCHNEIDER GIOVENZANA	✓	✓
21	PENDENT CABLE LENGTH AS PER MECHANICAL DRAWING	9 mtr	✓	✓
22	VFD WITH CORRECT RATING ACCORDING TO MOTORS	NOT APPLICABLE SCHNEIDER SIEMENS MITSUBISHI ANY OTHER	✓	✓
23	ANTICOLLISION SENSOR MAKE	NOT APPLICABLE IFM OMRON SICK	✓	✓

24	REVOLVING LAMP + HOOTER	NOT APPLICABLE	✓	✓
		LOCAL		
		PATLITE		
25	REMOTE	NOT APPLICABLE	✓	✓
		HBC		
		TELECRANE		
26	GRAVITY LIMIT SWITCH	SPEED O CONTROL		
		NOT APPLICABLE	✓	✓
		SIEMENS		
27	BRIDGE LIGHT	SPEED O CONTROL		
		NOT APPLICABLE	✓	✓
		HAVELS		
28	LOAD DISPLAY	OREVA		
		PHILIPS		
		NOT APPLICABLE	✓	✓
29	FIX CABLES	APPLICABLE		
		FINOLEX		
		LAPP	✓	✓
30	FESTOON CABLES	HELUX		
		LAPP	✓	✓
		HELUX		
31	PENDENT CABLE	LAPP	✓	✓
		IGUS		
		NOT APPLICABLE	✓	✓
32	ADDITIONAL FIELD DEVICES	MCB WITH MCB BOX		
		ELCB		
		ISOLATOR SWITCH		
		POWER CABLE		
		JUNCTION BOX		
33	LT CABLES ARRANGEMENT	THROUGH CABLE TRAY		
		THROUGH CABLE HOLDER	✓	✓
34	CHECK FOR FERRULING & CROSS REFERENCE		✓	✓
35	PANEL OGA & IGA DRAWING CHECK		✓	✓
36	PANEL CUTOOT DRAWINGS CHECK		✓	✓
37	ELECTRICAL DETAILS GIVEN TO MECHANICAL DESIGN & EXPLAINED		✓	✓
38	LONG LEAD & BOM GIVEN TO PURCHASE		✓	✓
39	PANEL CUTOOT DRAWINGS GIVEN TO PURCHASE		✓	✓
40	BOM ENTERED IN ERP		✓	✓
41	DRAWINGS ATTACHED IN ERP		✓	✓
42	HOIST INSTRUCTION GIVEN TO ELE. MFG WITH EXACT FLANGWIDTH		✓	✓
43	DRAW CHAIN LAYOUT DRAWINGS TAKEN FROM SUUPLIER & GIVEN TO MECHANICAL DESIGNER		NA	

REMARKS		
1	As per attached sheet update dlog	- Done
2		
3		
4		
5		

Nasal
18/06/18

Scopet
18/06/2018

Customer
CYCON ENGINEERS PVT. LTDDrawing number
CYK025_1819

Project description	10TON, 18 M - SPAN 8 M - H.O.L. SGEOT
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Crane No. SGEOT-18-010-1535

Order No. CI/CHF/01

Qty. 1

Supply Voltage 415 VAC

Control Voltage
110 VACKW
10.29 KW

Ampere 23.2 A

Ambient Temperature

Created on 05/06/2018

Edit date	07/06/2018
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By ashvini

Number of pages: 48

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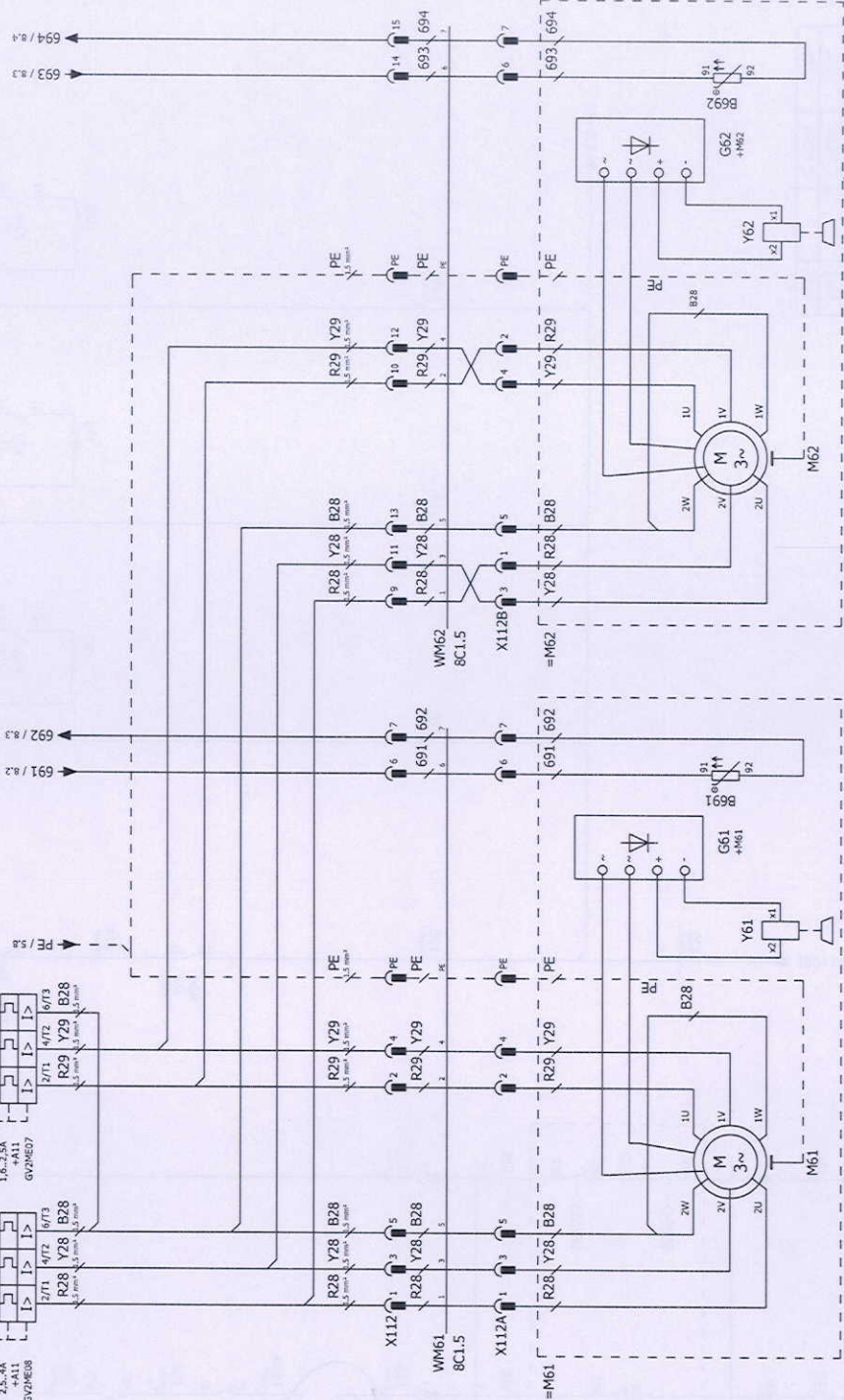
REV	R0	Date	Drawn by	Checked by	Approved by
		05/06/2018	AVN	AJL	
THIS DRAWING IS SOLE PROPERTY OF SPARKLINE PVT. LTD. IT SHOULD NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN APPROVAL OF CYCON ENGINEERS PVT. LTD.					
SURVEY NO. 93, DEVARAKAGGALALI HARDHALI HUBLI, KARNATAKA-57A, KARNATAKA-57A, INDIA-57A					
CYCON ENGINEERS PVT. LTD					
SPARKLINE EQUIPMENTS PVT LTD					
SYMBOL LIST					
LUTION, 18 M + SPAN 8 M + H.O.L. SECT					
= COVER PAGE					
Page 3					
Page 48					

9	8	7	6	5	4	3	2	1	0
STANDARD WIRE COLOR									
1) 415 V AC, 3 PH SUPPLY: - R PHASE-LINE 1:- BLACK - 4.0mm ² Y PHASE-LINE 2:- BLACK- 4.0mm ² B PHASE-LINE 3:- BLACK- 4.0mm ² EARTH :- GREEN WITH YELLOW STRIPE- 1.5mm ²									
2) CONTROL VOLTAGE :- CONTROL PANEL 110V AC SUPPLY :- RED - 1.0mm ² 110V AC NEUTRAL:- RED - 1.0mm ² EARTH:- GREEN WITH YELLOW STRIPE - 1.5mm ²									
TERMINALS									
X11: MAIN PANEL POWER & CONTROL TERMINALS X16: HOIST UNIT POWER & CONTROL TERMINALS									
PIN CONNECTORS									
X100 - 6 PIN CONNECTOR FOR MAIN INCOMING CONNECTION X110 - 16 PIN CONNECTOR FOR PENDENT JUNCTION BOX TO PENDENT CONNECTION X111 - 16 PIN CONNECTOR FOR PANEL TO PENDENT JUNCTION BOX CONNECTION X112 - 16 PIN CONNECTOR FOR PANEL TO LT MOTORS POWER CONNECTION X112A- 10 PIN CONNECTOR FOR LT MOTOR M61 POWER CONNECTION X112B- 10 PIN CONNECTOR FOR LT MOTOR M62 POWER CONNECTION X113- 24 PIN CONNECTOR FOR HOIST & CT MOTOR CONTROL CONNECTIONS X116- 6 PIN CONNECTOR FOR LT CROSS ROD LIMIT SWITCH CONNECTIONS									

REV	R0	Date	Editor	Checked by	Approved by	17/05/2018	AVN	AA1	AA2	THIS DRAWING IS SOLE PROPERTY OF SPARKLINE EQUIPMENTS PVT. LTD. IT SHALL NOT BE COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN APPROVAL OF MS.SPL.	CYCON ENGINEERS PVT. LTD SURVEY NO.42, PERUMAKUDAMALLI HARACHALI HOBLI, KANNAGIRI TAL, RANGURGAOIST, KARNATAKA	SPARKLINE EQUIPMENTS PVT LTD PLOT NO.32/39, F-IT BLOCK, KIDCO PIPRALI, PUNE INDIA-411018	SPARKLINE EQUIPMENTS PVT LTD PLOT NO.32/39, F-IT BLOCK, KIDCO PIPRALI, PUNE INDIA-411018	CABLE LIST & WIRING STANDARD	10TON, 18 M - SPAN 8 M - H.C.L. SECOT	COVER PAGE	Page	48
Modification																		

SL.NO.	CABLE PURPOSE	CABLE NAME	CABLE SIZE	CABLE TYPE	MAKE
1	MAIN POWER INCOMING CABLE	W1	4 C 4.0 mm ²	ROUND	LAPP
2	LT MOTOR M61 POWER CABLE	WM61	8 C 1.5 mm ²	ROUND	LAPP
3	LT MOTOR M62 POWER CABLE	WM62	8 C 1.5 mm ²	ROUND	LAPP
4	CROSS ROD LIMIT SWITCH CABLE FOR LT	WS620	8C1.05QMM	ROUND	LAPP
5	CROSS ROD LIMIT SWITCH CABLE FOR CT	WS420	8C1.05QMM	ROUND	LAPP
6	HOIST + CT POWER SUPPLY CABLE	WHM	4 C 4.0 mm ²	FLAT	LAPP
7	HOIST + CT CONTROL CABLE	WCT	12 C 1.0 mm ²	FLAT	LAPP
8	PENDENT CABLE FROM PANEL TO JB	W110	16 C 1.0 mm ²	FLAT	LAPP
9	PENDENT CABLE FROM JB TO PENDENT	W110A	20 G 1.0 mm ²	2S	LAPP
10	ANTICOLLISON CABLE FOR BEVERSE PS621	WP5621	5C0.75SQMM	ROUND	LAPP
11					
12					
13					
14					
15					
16					
17					
18					

0	1	2	3	4	5	6	7	8	9		
REV	NO	Date	07/05/2018	THIS DRAWING IS SOLE PROPERTY OF SEPL. IT SHOULD NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN APPROVAL OF MIS SEPL.	CYCON ENGINEERS PVT. LTD SURVEY NO.42, DEVARAKAGALAHALLI HAROHALLI HOBLI, KANAKPURI TAL, RAJOLUGA-DIST, KARNATAKA	SPARKLINE EQUIPMENTS PVT LTD PLOT NO.32/18, FTH BLOCK, MDC PHASE I, PUNE INDIA-411018	LEGENDS	100TON, 18 M + SPAN 8 M + H.O.L. SEBOT	COVER PAGE	Page Page	5 48
		Editor	AVL								
		Checked by	AAJ								
		Approved by	BAP								



MOTOR TYPE	:	123
MOTOR MODEL	:	2 X (SF-230 123)
KW RATING	:	2 X (0.37/0.09)
AMP RATING	:	2 X (1.3/1.0)
SPEED	:	20.5 N/MIN

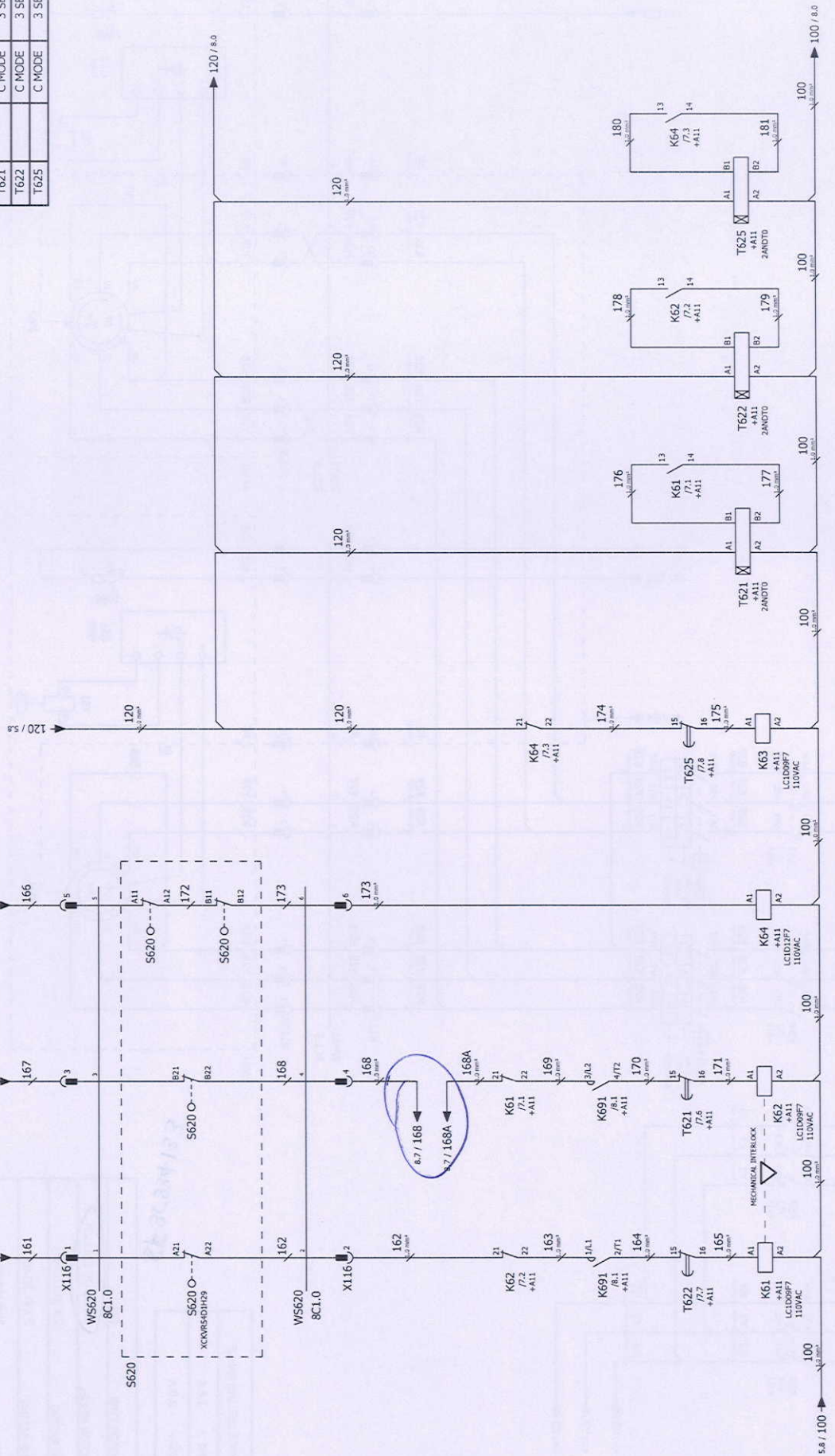
REV	R0	Date	05/05/2018
		Editor	AVN
		Checked by	AAJ
Modification		Approved by	BAP

SPARKLINE EQUIPMENTS PVT LTD
PLOT NO.32/38, F II BLOCK,
MIDC PIMPRI, PUNE
INDIA-411016

10TON, 18 M - SPAN 8 M - H.O.L. SCOOT

CYK025_1819

TIMER	ON DELAY	OFF DELAY	DELAY TIME
T621	C MODE		3 SEC
T622		C MODE	3 SEC
T625		C MODE	3 SEC



REV	NO	DATE	EDITOR	CHECKED BY	APPROVED BY
		07/05/2018	AMN	AAJ	BAP
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CYCON ENGINEERS PVT. LTD. SURVEY NO. 42, DEVARAKAGALHALLI, KANDURGA-DIST, KARNATAKA, INDIA-576108					
SPARKLINE EQUIPMENTS PVT LTD PLOT NO. 32/38, F II BLOCK, MIDC PIMPRI, PUNE INDIA-411018					
<div> <div>OFF DELAY TIMER FOR FORWARD MOTION</div> <div>OFF DELAY TIMER FOR REVERSE MOTION</div> <div>OFF DELAY TIMER FOR FAST TO SLOW MOTION</div> </div>					
<div> <div>10TON, 18 M - SPAN 6 M - H.O.L. SECT</div> <div>10TON, 18 M - SPAN 6 M - H.O.L. SECT</div> <div>10TON, 18 M - SPAN 6 M - H.O.L. SECT</div> </div>					
CYK025_1819					
<div> <div>Page 7</div> <div>Page 43</div> </div>					

POINTS DISCUSSED IN DESIGN REVIEW

Ref. Documents: 1) Electrical diag 2) BOM 3) Hoist instruction	Date:	19/06/2018
	PO No:	
	CO NO:	CYK012/15/RS
	Project Manager:	Saroj Pati
	Designer:	Ashvini

PERSONS ATTENDED	SIGNATURE
1) Raju Sable	<u>Sable</u>
2) P. Pawar	<u>Pawar</u> 19/06/18

- 1) Electrical diag discussed & hardcopy handovered to mfg.
- 2) BOM entry done in ERP & hardcopy handovered to mfg.
- 3) Hoist instruction handovered to mfg.

Designer: <u>Ashvini</u>	Manufacturing Incharge: <u>Sable</u>
Date:	Date:
RELEASE AUTHORISED	DATE
SEPL/DRM/01	Project Manager

PRODUCT TYPE :- EOT CRANES		DESIGNER :-	Ashvini	
PROJECT CODE :- CYK012-1819/CYK015/025		TEAM LEADER :-	Amol Jagtap	
CUSTOMER NAME:- CICON ENGG		DATE :-	18/06/2018	
		CRANE NO :-	SGEOT-18-010-1529/93/35	
SL.NO	DESCRIPTION		DESIGNER	TL
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4	PROJECT QTY	1	✓	✓
5	CAPACITY OF THE CRANE/ SYSTEM	10T	✓	✓
6	SPAN OF THE CRANE	17.1 mtr		
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11	CT POWER SUPPLY DETAILS	DRAG CHAIN FESTOON SYSTEM	✓	✓
12	MAKE OF BUSBAR	SAFETRACK SAFELINE SAFEDUCT GEOVENZANA WAMPHLER	✓	✓
13	SCOPE OF BUSBAR	SEPL CUSTOMER	✓	✓
14	SCOPE OF CURRENT COLLECTOR	SEPL CUSTOMER	✓	✓
15	TYPE OF HOIST MODEL	CHAIN HOIST WIRE RORE HOIST	✓	✓
16	TYPE OF HOIST LIMIT SWITCH	TOP LIMIT SWITCH TOP & BOTTOM LIMIT SWITCH GL-2 GEAR LIMIT SWITCH GL-4 GEAR LIMIT SWITCH GL-6 GEAR LIMIT SWITCH GL-8 GEAR LIMIT SWITCH	✓	✓
17	SWITCH GEAR MAKE	SCHNEIDER SIEMENS ANY OTHER	✓	✓
18	MECHANICAL INTERLOCK FOR CONTACTOR	SIEMENS SCHNEIDER NOT APPLICABLE	✓	✓
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20	PENDENT MAKE	SCHNEIDER GIOVENZANA	✓	✓
21	PENDENT CABLE LENGTH AS PER MECHANICAL DRAWING	9 mtr	✓	✓
22	VFD WITH CORRECT RATING ACCORDING TO MOTORS	NOT APPLICABLE SCHNEIDER SIEMENS MITSUBISHI ANY OTHER	✓	✓
23	ANTICOLLISION SENSOR MAKE	NOT APPLICABLE IFM OMRON SICK	✓	✓