

Building

Home Logout Preferences Help Diagnostics

Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup

Local Receipt List

Receipt: Local Receipt List >

Create Payment Submission

Back

Header

Payment Submission No. ILPAAZ1802106584

Request Date 16-Feb-2018

Requested by Kumar, Dushyant . Kumar, Dushyant (Facility Engg. Team/)

Title INSTALLATION ,TESTING AND COMMISSIONING CHARGES OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION

1. Contents

INSTALLATION ,TESTING AND COMMISSIONING CHARGES OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION

2. Payment Summary

Voucher Batch Name: EAIL-FINEPS_LOCAL-10277-180210-32998

Accounting Unit	Basic Currency Code	Total		Invest		Expense		Supplies	
		Order	Receipt	Order	Receipt	Order	Receipt	Order	Receipt
Headquarter	INR	30,000.00	30,000.00	30,000.00	30,000.00	0.00	0.00	0.00	0.00
Total		30,000.00	30,000.00	30,000.00	30,000.00	0.00	0.00	0.00	0.00

Approvals

Approval Type	Approval Status	Approved Date	Approver/Comment
APPROVAL	APPROVED	12-Feb-2018 11:51	KHURANA, PANKAJ Sh. schan Lal Khurana(Noida HR, ESH & FE/a.g.m.)
AGREE	APPROVING		CHADHA, SANDEEP . CHADHA, SANDEEP MR. PREM PAL CHADHA(Noida Accounting/manager)

File Attach

File	Description
Siemens.523.mso (209920 Byte)	

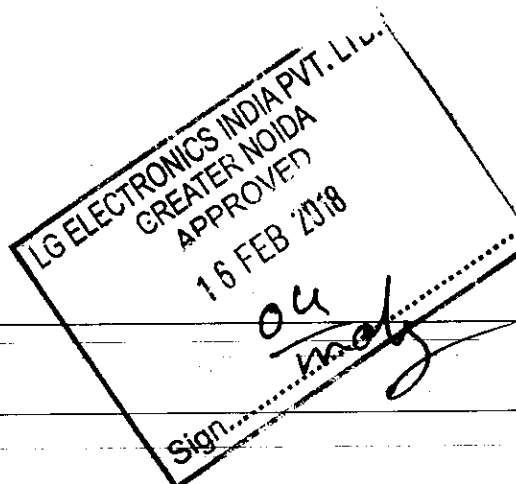
Payment Details

Supplier	Order Submission No.	Order Submission Title	Accounting Unit	Payment Condition	Currency Code	Order Payment Amount	Invoice Date	Net Amount	Completion Report Date	Provision Status	Voucher No.
SIEMENS LIMITED ()	ILPAAZ18021065620	PURCHASE OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION	Headquarter	Part payment	INR	30,000.00	29-Dec-2017	30,000.00		N/A	9071203523

Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup Home Logout Preferences Help Diagnostics

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Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup

Local Receipt List

Receipt: Local Receipt List > Create Payment Submission >

Voucher Entry

View Order Submission

Back

Order Summary

Order Submission No. ILOAA21802106620
 Order Submission Title PURCHASE OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION
 Payment Condition Part payment

Voucher Information

Voucher No. 9071703523
 Voucher Status APPROVING
 Payment Submission No. ILPAA21802106584
 Payment Submission Title INSTALLATION, TESTING AND COMMISSIONING CHARGES OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION
 Voucher Batch Name EAIL-PINEPS_LOCAL-10277-180210-32958

Invoice Information

Invoice Type GENERAL INVOICE
 Invoice No. 9071703523
 Invoice Received Date
 Invoice Date 29-Dec-2017
 *Accounting Date 10-Feb-2018
 Supplier Code IN033751
 Supplier Name SIEMENS LIMITED
 Gst No 06AAACS0764L12A
 India Tax DFF
 LGE Name LG Electronics India (PVT.) Ltd
 LGE Biz-No. AAACL1745Q
 Invoice Currency INR
 Payment Term Domestic 30 Days From Invoice Date
 Payment Method MASS_PAY
 Payment Group REGULAR
 Terms Date/Due Date 29-Dec-2017 27-Jan-2018

Waybill Information

Nature of Job Service
 Bill To State
 Waybill Number
 Bill From State
 Waybill Type
 Waybill Amount

Tax Information

* (A) Net Amount 30,000.00
 Tax Base Amount 30,000.00

Tax Purchase I-GST 18%
Classification

Tax rate code	Tax rate name	Tax base	Tax Rate (%)	Tax Amount	Non-deduction Rate (%)	Non-deduction Amount	DFF OFF Auto/Input
LP_IGST_180	Purchase I-GST 18%	10,000.00	18	5,400.00	0	0.00	AUTO

(C) Tax Amount Total 5,400.00
 (D) Non-deduction Amount Total 0.00
 (E)=A+B+C+D Total Amount 35,400.00
 (F) Agreed Penalty
 (G)=E+F Payment Amount 35,400.00

Item Information

Seq.	Item Type	Item Name	HS Code	SAC	Spec. MakerName	Qty	Unit Price	Item Amount	(H) Item Payment Amount
1	INVESTMENT	PURCHASE OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION		098739		1	30,000.00	30,000.00	30,000.00
Total							1	30000	30000

Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup Home Logout Preferences Help Diagnostics

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Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup

Local Receipt List

Receipt: Local Receipt List >

Create Payment Submission

Self Reject

Back

Header

Payment Submission No. ILPAAZ1802106584

Request Date 18-Feb-2018

Requested by Kumar, Dushyant - Kumar, Dushyant (Facility Engg. Team/)

Title PURCHASE OF AIR CIRCUIT BREAKER FOR UTILITY POWER UPGRADEATION

Service charn file

1. Contents

PURCHASE OF AIR CIRCUIT BREAKER FOR UTILITY POWER UPGRADEATION

2. Payment Summary

Voucher Batch Name: EAIL-FINEXP LOCAL-18277-180210-32968

Accounting Unit	Basic Currency Code	Total		Invest		Expense		Supplies	
		Order	Receipt	Order	Receipt	Order	Receipt	Order	Receipt
Headquarter	INR	30,000.00	30,000.00	30,000.00	30,000.00	0.00	0.00	0.00	0.00
Total		30,000.00	30,000.00	30,000.00	30,000.00	0.00	0.00	0.00	0.00

Approvals

Approval Type	Approval Status	Approved Date	Approver/Comment
APPROVAL	APPROVING		KHURANA, PANKAJ Sh. sohan Lal Khurana(Noida HR, ESH & FE/s.g.m.)
AGREE			CHADHA, SANDEEP . CHADHA, SANDEEP HR. PREM PAL CHADHA(Noida Accounting/manager)

File Attach

File	Description
Siemens 522.msp (209920 Byte)	

Payment Details

Supplier	Order Submission No.	Order Submission Title	Accounting Unit	Payment Condition	Currency Code	Order Payment Amount	Invoice Date	Net Amount	Completion Report Date	Provision Status	Voucher No.
SIEMENS LIMITED ()	ILPAAZ1802106584	PURCHASE OF AIR CIRCUIT BREAKER FOR UTILITY POWER UPGRADEATION	Headquarter	Part payment	INR	30,000.00	19-Dec-2017	30,000.00		N/A	9071703523

Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup Home Logout Preferences Help Diagnostics

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Alok Mishra

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Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup

Local Receipt List

Receipt: Local Receipt List >

Voucher Entry

View Order Submission

List

Order Summary

Order Submission No. IL0AAZ1802106620
 Order Submission Title PURCHASE OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION
 Payment Condition Part payment

Voucher Information

Voucher No. 3071703523
 Voucher Status APPROVING
 Payment Submission ILPAAZ1802106584
 No.
 Payment Submission Title PURCHASE OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION
 Voucher Batch Name EAIL-FINEPS_LOCAL-10277-180210-32958

Invoice Information

Invoice Type GENERAL INVOICE
 Invoice No. 3071703523
 Invoice Received Date
 Invoice Date 29-Dec-2017
 *Accounting Date 10-Feb-2018
 Supplier Code IN033751
 Supplier Name SIEMENS LIMITED
 Gst No 06AAACS0764112A
 India Tax DFF EQ

LGE Name LG Electronics India (PVT.) Ltd
 LGE Biz-No. AAACL1745Q
 Invoice Currency INR
 Payment Term Domestic 30 Days From Invoice Date
 Payment Method MASS_PAY
 Payment Group REGULAR
 Terms Date/Due Date 29-Dec-2017 17-Jan-2018

Waybill Information

Nature of Job Service
 Bill To State
 Waybill Number

Bill From State
 Waybill Type
 Waybill Amount

Tax Information

* (A) Net Amount 30,000.00
 Tax Base Amount 30,000.00

Tax Purchase I-GST 18%

Tax rate code	Tax rate name	Tax base	Tax Rate (%)	Tax Amount	Non-deduction Rate (%)	Non-deduction Amount	DFF
LP_I GST_180	Purchase I-GST 18%	30,000.00	18	5,400.00	0	0.00	AUTO

(C) Tax Amount Total 5,400.00

(D) Non-deduction Amount Total 0.00

(E)=A+B+C+D Total Amount 35,400.00

(F) Agreed Penalty

(G)=E+F Payment Amount 35,400.00

Item Information

Seq.	Item Type	Item Name	HS Code	SAC	Spec. MakerName	Qty	Unit Price	Item Amount	(H) Item Payment Amount
1	INVESTMENT	PURCHASE OF AIR CIRUIT BREAKER FOR UTILITY POWER UPGRADATION		998739		1	30,000.00	30,000.00	30,000.00
Total						1	30000	30000	30000

Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup Home Logout Preferences Help Diagnostics

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Handwritten signature

Details of Consignor

Siemens Ltd - Gurgaon Office
Plot No.6-A, Sector 18, Gurgaon
122001, Haryana
GSTIN/UIN : 06AAACS0764L1ZA

Original / Duplicate / Triplicate

Details of Recipient (Bill to)

L G Electronics India Pvt. Ltd.
Plot No 51, Udyog Vihar Phase II
Surajpur Kasna Rd.
Greater Noida, Uttar Pradesh, 201306
State Code. 09
GSTIN/UIN. 09AAACL1745Q1Z2
PAN NO . AAACL1745Q

Invoice No
9071703523
Customer No
40073748

Date
29.12.2017

Customer's Reference LGEIL/FE/WO/374/2017 Our Reference ZAW-3005313697		Date 13.06.2017 Date 28.06.2017	Contact Mr Ali Ali PD S B Phone +91 (0522) 4031030 Fax			
Details of Consignee (Ship to) L G Electronics India Pvt. Ltd. Plot No 51, Udyog Vihar Phase II Surajpur Kasna Rd. Greater Noida, Uttar Pradesh, 201306 State Code. 09 09AAACL1745Q1Z2			Incoterms@2010			
Item	Description of Goods / Services	Origin	Quantity/Unit	Unit Price Currency INR	Taxable Value Currency INR	Tax Currency INR
1600	107125587 Gross Price:15,000.00 installation, Testing & Commissioning installation services of industrial, manufacturing and service industry machinery and equipment. AL: N ECCN: N PO#LGEIL/FE/WO/374/2017-LINE ITEM-1 62210XXXX-S4440000 HSN/SAC CODE: 998739 Integrated GST: 18.00 %		2 AU	15,000.00	30,000.00	
						5400.00
	Item Total					30,000.00
	Total integrated GST:					5,400.00
	Grand Total Rupees Thirty Five Thousand Four Hundred Only					35,400.00

Handwritten signature and stamp
LG ELECTRONICS INDIA PVT. LTD.
GREATER NOIDA
APPROVED
16 FEB 2018
Sign...

Siemens Limited.

Registered office: Birla Aurora, Level 21, Plot No. 1080,
Dr. Annie Besant Road, Worli, Mumbai - 400030

Corporate Identity Number : L28920MH1957PLC010839

Tel.: +91 (22) 3967 7000; Fax: +91 22 3967 7500

Contact/Email: www.siemens.co.in/contact; Website: www.siemens.co.in

Sales Office:

Street: 510-511, SHALIMAR TITANIUM, Plot No. - TC G-1/1,
Vibhuti Khand, Gomti Nagar, Lucknow- 226010, India

Details of Consignor

Siemens Ltd - Gurgaon Office
Plot No.6-A, Sector 18, Gurgaon
122001, Haryana
GSTIN/UIN : 06AAACS0764L1ZA

Details of Recipient (Bill to)

L G Electronics India Pvt. Ltd.
Plot No 51, Udyog Vihar Phase II
Surajpur Karna Rd.
Greater Noida, Uttar Pradesh, 201306
State Code: 09
GSTIN/UIN: 09AAACL1745Q1Z2
PAN NO : AAACL1745Q

Invoice No
9071703523

Date
29.12.2017

Customer No
40073748

Payment Terms: Payable within 30 days from invoice date. Amount of tax to be paid under Reverse Charge Place of Supply: Place : Greater Noida State: Uttar Pradesh Pay to Deutsche Bank A/C 0000 786 000 (IFSC code - DEUT0784BBY) of Siemens Ltd. State this invoice number in reference. Payment details to be confirmed on : ARCustomerSupport.in@siemens.com Kindly mention contact details on the back side of the payment instrument as well as at the time of NEFT payments. Soft copy of digitally signed TDS certificates to be sent across to ARCustomerSupport.in@siemens.com Hard copies of the TDS certificates should be sent across to the below address: Siemens Technology and Services Pvt. Limited , AR Team GSS A&F , Ozone Manay Tech Park, B - Block 6th Floor, No. 55/18 & 55/9, G.B.Palya Hosur Road, Bangalore 560068 (Karnataka). We have supplied from Siemens Ltd - Gurgaon Office Haryana To Recipient state Uttar Pradesh and consigned the goods to Uttar Pradesh Consigned To Under LR No. SERVICE dt. 29.12.2017 Which is enclosed/ has been forwarded to the consignee. Sales Org: 1262, Sales Off: 6231 These items are controlled by the U.S. Government (when labeled with "ECCN" unequal "N") and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Items labeled with "AL" unequal "N" are subject to European / national export authorization. Items without label or with label "AL:N" / "ECCN:N", may require authorization from responsible authorities depending on the final end-use, or the destination. Siemens Limited Authorized Signatory Interest at 20% will be charged on overdue accounts. Goods once supplied will not be taken back unless specially agreed by us. E. & O.E.				NIL
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Siemens Limited.
Registered office: Birla Aurora, Level 21, Plot No. 1080,
Dr. Annie Besant Road, Worli, Mumbai - 400030
Corporate Identity Number : L28920MH1957PLC010839
Tel.: +91 (22) 3967 7000; Fax: +91 22 3967 7500
Contact/Email: www.siemens.co.in/contact; Website: www.siemens.co.in

Sales Office:
Street: 510-511, SHALIMAR TITANIUM, Plot No. - TC.G-1/1,
Vibhuti Khand, Gomti Nagar, Lucknow- 226010, India

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Possible infringements can be reported to our Helpdesk "Tell us" at www.siemens.com/tell-us

The date(Create Date, Approved Date, Check Date) is based on Korean standard time(GMT+9)

Subject Approval for purchase of Air circuit breaker for utility power upgradation ARR No_374

Created Date 2017.06.10 13:50 (Korea Time)

Requested DEEPAK SINGH(LGEIL RAC - Facility Engg.
by Team/asst.manager,)

Subject : Approval for purchase of Air circuit breaker for utility power upgradation

Purpose:

1. As per HQ Guideline related to circuit breakers , 20 years old circuit breaker to be replaced.
2. Existing installed Air circuit breaker are in bad condition and minimum one day is required for replacement in case of any breakdown.
3. Minimum 4 week is delivery time for new one and Spare part not available because this model has been obsolete being almost 20 years old.
4. This will help us to remove the idle time & proper operation of Main I.T panel can be ensured.
5. This activity was reviewed during Block activity review meeting and approved. MOM is attached for the reference.

Total Cost (Rs) 593956 /-

Budget Criteria : CMN Inv budget'17

Vendor Finalized: Siemens Ltd

Justification : GP rate is finalized for Air circuit breaker

ARR No: 374

Requester Name : Deepak Singh

Block Activity MOM- Jun'17

Sr. No.	Area	Head	Equipment	Activity Description	Purpose	Category	Amount (Lacs)	Remarks
1	Mechanical	Low Pressure Air	Air Compressor	General Maintenance of air Compressor Dryer Kit Change	Regular Preventive Maintenance	Expense	14.4	Service cost break-up to be share again
2		Low Pressure Air	Air Compressor	LP Element Change in LP Compressor 2	Life Over Replacement	Investment	15.2	OK
3		High Pressure Air	Air Compressor	General Maintenance of air Compressor	Regular Preventive Maintenance	Expense	2.9	OK
4		Cooling Tower	Cooling Tower	General Maintenance of cooling Tower, Fills change	Regular Preventive Maintenance	Expense	1.7	OK
5		DG	Chimney	HT DG Chimney exhaust Pipe replacement	Life Over Replacement	Investment	15	OK
6		AC	AHU	AC line AHU's shifting	To improve air-conditioning effectiveness	Expense	12	ROI to be calculate & again share the proposal
7	Water Treatment	ETP & STP	Panel	STP panel to be replace	Damage Replacement	Investment	1.3	OK
8		ETP & STP	Sludge Bed	STP sludge bed cleaning & filter media refilling	Scheduled Replacement	Expense	3.1	OK
9	Electrical	Electrical	All Utility	Substations Panels Transformers ACB VCB Maintenance	Regular Preventive Maintenance	Expense	15.4	Vendor will scope of work to be share
10		UPS	Battery	UPS battery replacement	Life Over Replacement	Expense	1.5	UPS 96 loading to be share Battery Specification to be shared UPS Standard to be shared
11	Electrical	Electrical	Breakers	ACB/VCB replacement	Life Over Replacement	Investment	20.5	OK
12		DG	Engine	AVM Installation	Idle Time Prevention	Expense	4.5	OK
13		DG	Engine	DG maintenance	Regular Preventive Maintenance	Expense	2	OK

Investment Approval:

FE

Investment Approval

Div/Dept	Activity	Category	Amt	Expense Objective
FET	ACB replacement in main LT panel room	Machinery/ Tools/ Office Equip	5.7 Lacs ✓	Productivity/ Safety

Purpose/Detail						Benefit																													
ACB Replacement: 1. As per HQ audit, 20 years old ACB to be changed. 2. We have replaced 8 Nos. in Jan'17 and 2 Nos. to be change in Jun'17 as per schedule plan						* Ideal time reduction * Efficiency will improve.																													
<table border="1"> <thead> <tr> <th>Equipment</th><th>Installed Year</th><th>Installed Qty</th><th>ACB replaced</th><th>Qty to be replaced</th><th>Jun'17 plan Qty</th></tr> </thead> <tbody> <tr> <td>Air Circuit Breaker</td><td>1998</td><td>35</td><td>8</td><td>27</td><td>2</td></tr> </tbody> </table>						Equipment	Installed Year	Installed Qty	ACB replaced	Qty to be replaced	Jun'17 plan Qty	Air Circuit Breaker	1998	35	8	27	2	Time Schedule 																	
Equipment	Installed Year	Installed Qty	ACB replaced	Qty to be replaced	Jun'17 plan Qty																														
Air Circuit Breaker	1998	35	8	27	2																														
<table border="1"> <thead> <tr> <th rowspan="2">Year</th><th colspan="3">ACB</th><th rowspan="2">Remarks</th></tr> <tr> <th>Plan</th><th>Actual</th><th>Date</th></tr> </thead> <tbody> <tr> <td>2017</td><td>10</td><td>8</td><td>Jan'17</td><td>2 Nos. plan in June'17</td></tr> <tr> <td>2018</td><td>10</td><td></td><td></td><td></td></tr> <tr> <td>2019</td><td>10</td><td></td><td></td><td></td></tr> <tr> <td>2020</td><td>5</td><td></td><td></td><td></td></tr> </tbody> </table>						Year	ACB			Remarks	Plan	Actual	Date	2017	10	8	Jan'17	2 Nos. plan in June'17	2018	10				2019	10				2020	5				Installation Location 	
Year	ACB			Remarks																															
	Plan	Actual	Date																																
2017	10	8	Jan'17	2 Nos. plan in June'17																															
2018	10																																		
2019	10																																		
2020	5																																		
Investment associated 5.7 Lacs																																			
Old Asset Detail NA																																			

ARR Calculation Sheet:

Purpose: Approval for purchase of Air circuit breaker required for Main Low Tension Panel in DG room							Siemens
S.No	Item	MLFB No	Item description	Unit	Qty	GP rate	Amount
1	Air Circuit breaker	3WT8326-6UA34-5AB2	3WT type breaker, Rating in 3200Amp, No. of pole-4, Breaking capacity in 66KA, Version withdrawable release Option ETU37WT Operating mechanism, Manual/motorized(220-240VAC) Operating mechanism with mechanical & electrical(220-240VAC), Closing Non-standard versions terminal V-V+shutter + sealing cap over OFF button+counter shunt coll=220VAC, UVR = 220VAC	Nos	2	281,978	563,956
Sub Total							563,956
Excise duty and taxes							Extra
Freight Charges							Extra
Total							563,956

Purpose: Approval for installation and commissioning of ACB in DG room					Siemens	
S.No	Item	Item discription	Unit	Qty	GP rate	Amount
1	Service charges	Installation, commissioning and testing of 4P, 3200Amp ACB in DG room	Nos	2	15,000	30,000
	Sub Total					30,000
	Service tax @15%					Extra
	Total					30,000

Grand total (A+B)	593,956
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GP Rate:

GP Rate

Contract	
Contract Number	IL-CT170600029
Contract Date	2017 / 06 / 08 (YYYY/MM/DD)
Contract Name	ACB and miscellaneous item required for main LT panel

Buyer: LG Electronics India Private Limited
 A Wing, (3rd Floor), D-3 District center, Saket, New Delhi - 110017
 CEO: Kim, Kiwan
 Supplier: SIEMENS LTD
 130, PANDURANG BUDHAP MARG WORLI
 Representative: NA

Contract Amount	(INR) 2,685,062.00
Contract Period	2017 / 06 / 08 - 2017 / 06 / 31 (YYYY/MM/DD)

Purchase Details

No	Item Code	Name and Specification				
		Curr.	Qty.	Unit	Unit Price	Amount
1		ACB and miscellaneous items required for main LT panel As per attachment				
		INR	1.00	LOT	2,565,062.00	2,565,062.00
2		Service charges installation and commissioning of 4P, 3200Amp and 4P, 2500Amp ACB				
		INR	2.00	LOT	60,000.00	120,000.00

Justification:

Utility Issue_노후전력설비 교체:Necessary Order H1'17:VCB 2No, ACB :5No, Panel: 3No, H2'17 : Repeat H1 Pattern

전력설비의 모델 단종에 따라 사고 발생 시 긴급대응이 불가하여 구 모델 교체 및 spare part 확보가 필요 함

분전함 내 누전차단기 교체를 통해 전기안전사고를 예방하고 노후차단기 교체를 통한 전력공급 안정화

노후 차단기 및 판넬 개선 대책

노후 분전함 개선 대책

■ 차단기 설치 현황

▶ 단종된 노후 차단기의 경우 제품수급 문제에 따른 정전시간 지연

(17년 기준)

사용년한	VCB	ACB	Panel	비고
20년 이상	4ea	35ea	26ea	단종 모델
15년 ~ 20년	18ea	58ea	54ea	-
15년 이하	10ea	25ea	42ea	-
합계	32ea	118ea	122ea	-

VCB : Vacuum Circuit Breaker, 통근압 차단기
ACB : Air Circuit Breaker, 공기압 차단기

■ 개선 계획

1. 교체 기준

- 20년 이상 노후 차단기
- 모델 단종에 따른 SPARE PART 확보가 필요한 차단기

2. 교체 계획 (단기 절감을 통한 Spare 확보)

교체 수량	VCB 2ea ACB 10ea Panel 5ea	VCB 2ea ACB 10ea Panel 5ea	VCB 2ea ACB 10ea Panel 5ea	VCB 2ea ACB 10ea Panel 5ea
년도 (금액)	'17년 (75Lacs)	'18년 (75Lacs)	'19년 (35Lacs)	'20년 (17.5Lacs)

■ 노후 분전함 설치 현황

▶ 누전차단기가 미 설치된 분전함의 경우 인체, 화재 사고 발생 우려

(17년 기준)

누전차단기 설치 현황

설치 미설치	49% 155ea	51% 169ea
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사용년한	수량
15년 이상	67ea
10년 ~ 15년	53ea
10년 이하	198ea
합계	318ea

■ 개선 계획

1. 창원공장 교체 기준

- 누전차단기 미설치 분전함
- 15년 이상 노후 차단기

2. 교체 계획

교체 수량	55ea	54면	54면	5면
년도 (금액)	'17년 (44Lacs)	'18년 (43Lacs)	'19년 (43Lacs)	'20년 (4Lacs)

15년 이상 노후 누전차단기 미설치 15년 이상 노후 누전차단기 미설치 15년 이상 노후 누전차단기 미설치

ACB and VCB replacement Plan

Equipment Used Details:

Years of use	VCB	ACB	Panel
More than 20 years	4ea	35ea	26ea
15 year ~ 20 year	18ea	58ea	54ea
Less than 15 year	10ea	25ea	42ea
Total	32ea	118ea	122ea

Replacement Schedule:

교체 수량	VCB 2ea	VCB 2ea	ACB 10ea	ACB 5ea
	ACB 10ea	ACB 10ea		
	Panel 5ea	Panel 5ea		
년도 (금액)	'17년 (75Lacs)	'18년 (75Lacs)	'19년 (35Lacs)	'20년 (17.5Lacs)

Plan Vs Actual replacement Status:

Year	VCB			ACB		
	Plan	Actual	Date	Plan	Actual	Date
2017	2	4	June'17	10	8	Jan'17
2018	2	0		10		
2019				10		
2020				5		

Attachements:

1. Investment Approval.
2. ARR Sheet.
3. GO rate.
4. Justification (HQ)

No	Approval Type	Status	Approved Date	Approved by / Comment
1	결재	승인 완료	2017.06.10 15:22	PANKAJ KHURANA(LGEIL ESH/a.g.m.) Comment: Ok, for replacment of 2 nos. which is 20 years old obsolete model ACB's installed in main Electric sub station. Same was discussed with HQ Support team and they sugested us to replace these as per schedule.
Approval Line	2	결재	승인 완료	2017.06.10 15:30 Common Investment' 17 박용호(LGEIL FSE Production/무장) Comment: ok 20년 이상된 노후 ACB(Air Circuit Breaker)를 교체 하고자 함. '17년 교체 계획: 10E대 (기 완료8대) 잔여 2대에 대하여 6월 휴가시 교체 하고자 함.
	3	결재	승인 완료	2017.06.10 15:31 SHIVENDRA SINGH(LGEIL Planning & Strategy/d.g.m.) Comment: OK
	4	결재	승인 완료	2017.06.10 16:09 ANIL KUMAR(LGEIL Factory Head - Noida/v.p.) Comment: OK.
	5	결재	승인 완료	2017.06.11 15:21 이효재(LGEIL FSE Planning/차장) Comment: Agree
	6	결재	승인 완료	2017.06.12 12:19 김태완(LGEIL Noida Manufacturing/무장)
	7	결재	승인 완료	2017.06.12 13:59 김수철(LGEIL CFO/상무)

CC

Attached Files
 ARR No 374_ Air Circuit Breaker for MLTP room.xlsx
 ACB and misslaneous spare for MLTP room_BOQ_GP Offer.xlsx
 ACB and misslaneous spare for MLTP room_GP offer.pdf

① ACB for MLTP room_GP rate.pdf

② FE Block Holiday Maintenance_20_5_2017_revised.pptx

EDMS Attributes	Retention	3 Year	Security Grade	Browse;Download
	Access	*LG Electronics; *LGEIL RAC - Facility Engg. Team	Permission	Browse;Download

SIEMENS

Customer Care Desk

Toll Free : 1800220987 / 1800204987

ica.india@siemens.com

SITE REPORT

T1-0000099073

Notification No:	500000	Service Engineer	Mr. RAKESH ROUSHAN
Customer/Place	M/s L.G. Electronic India Pvt. Ltd.	Region/Office	North
Contact Person	Deepak Kumar Singh	Mobile No.	9953554762
Email - ID		Dept	ELPL
		Tel	
		Fax	

Called By	CCD	E-mail		Tel No	
Product/MLFB	Below	System	V.T Panel	Prod Sr.No.	Below
Supplied by	Siemens	Equipment	ACB	Application	Machine Panel
Nature of Call	bd/pbd/scheduled/ts	Payment	pw/cta/paid	Order No/WBS	Below

Call Received	Date	22/11/12	Time	4:30 AM	Malfunction Start	Date	-	Time	-
Call Responded	Date	23/11/12	Time	4:45 PM	Engineer Reached	Date	23/11/12	Time	10:10 AM
Comm Clearance	Date	24/11/12	Time	4:50 PM	Malfunction End	Date	24/11/12	Time	1:35 AM
Engg Required	Date	23/11/12	Time	10:15 AM	Engineer Left	Date	24/11/12	Time	2:00 AM

Problem Reported / Service Requested

2 Nos 3200 Amp, 4 pole 3WT ACB Retro fitting.

Observations made / Work Done at Site

The site has visited as per given address & following work carried out:
The old ACB of 3200 Amp 3WT, 4 pole has replaced new ACB 3WT 3200 Amp 4 pole.

The details of 2 nos new ACB retro fitted is as following:
(i) ACB MLFB 3WT 8326-60H73-SAP2
Id - 6640370911024, 3200A, 4 pole
F - 14B, MACHINE Panel SIS-1.
(ii) Cradle MLFB 3WT 8326-60H76-SAP2
(iii) MLFB 3WT 8326-60H73-SAP2
Id - 6640370911028, 3200A, 4 pole
Cradle MLFB 3WT 8326-60H76-SAP2
F - 14C, MACHINE Panel SIS-1

New Cradle mounted.
All H.T & L.T nutbolts found fully tightened.
Finally customer checked the ACB on load and found ACB working OK.

Cause	Code	Description	} Retro fit only
Damage	Code	Description	
Object	Code	Description	
Activity	Code	Description	

Rakesh Roushan
Service engineer Signature

Notification No: 500000 TI-0000099073 Service Engineer RAKESH ROUSHAN Date 24/12/17

Material Consumed

S.No	Material No / MLFB	Material Description	Qty	Arranged by Siemens/Cust	Billable	Faulty Ret
1					Yes / No	Yes / No
2					Yes / No	Yes / No
3					Yes / No	Yes / No

Site status : Closed / Open Closed Follow-up visit : Req (Y/N) N Expected Date — Time —
 Reason for Not closing —
 Further action required Engineer visit / Material dispatch / Engineer visit after material reaches site
 More details —

Material Required

S.No	Material No / MLFB	Material Description	Qty
1			
2			
3			
4			
5			

Customer Feedback

No.	Feedback Points	Excellent	Good	Satisfactory	Average	Poor
1	Timely arrival at site / Remote solution as expected	☒	☐	☐	☐	☐
2	Technical competence of service engineer attending the call	☒	☐	☐	☐	☐
3	Restoration of equipments functional performance in first call	☒	☐	☐	☐	☐
4	Customer sensitivity demonstrated during this call	☒	☐	☐	☐	☐
5	Confidence re-established in reliability of product / system	☒	☐	☐	☐	☐

Additional customer comments (if any):

Date 24/12/2017 Signature Gyanesh Sharma Signature Rakesh Roushan
 Place Grazer Name Nimic Name RAKESH ROUSHAN
Noida Customer 23/12/17 Service Engineer

Siemens offers following kinds of services. Kindly tick the requirements and provide details

1	Spares parts and accessories	
2	Panel spares (M System / 8PU / Sivacon)	
4	AMC (Non-Comprehensive & Comprehensive)	
5	Retrofitting / up gradation of ACBs	
6	Energy Management Products & Solutions	
7	Training Requirements (On Site/Training Centre)	

ACB Installations at site

Type	3WE4/5	3WN1/6	3WT8	3WL1	Other make
Qty					

For internal purpose only

Time sheet

Date	23/12/17	23/12/17	24/12/17	24/12/17
Activity Type	TRAV	SPAV	SPAV	TRAV
Start Time	10:00 AM	10:15 AM	10:15 AM	3:00 PM
End Time	10:10 AM	10:30 AM	1:30 PM	2:15 PM
Utilization Hrs				

Date				
Activity Type				
Start Time				
End Time				
Utilization Hrs				