

Latit
2/21/19

IL EPSF Department User

machinery & equip.

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. ILPCNZ1902183444

Request Date 18-Feb-2019

Requested by Kumar, Rajesh . Kumar, Rajesh (REF - Prod. Engg/)

Title PURCHASE OF PLC FOR 3NO COOLING TOWER PANEL FOR ENERGY SAVING CONTROL FACILITY

1. Contents

OK

2. Payment Summary

Voucher Batch Name: EAIL-FINEPS_LOCAL-22009-190218-00230

Accounting Unit	Basic Currency Code	Total		Invest		Expense		Supplies	
		Order	Receipt	Order	Receipt	Order	Receipt	Order	Receipt
Refrigeration AU	INR	65,000.00	65,000.00	65,000.00	65,000.00	0.00	0.00	0.00	0.00
Total		65,000.00	65,000.00	65,000.00	65,000.00	0.00	0.00	0.00	0.00

Approvals

Approval Type	Approval Status	Approved Date	Approver/Comment
APPROVAL	APPROVED	18 Feb-2019 17:54	PRAKASH, KANAKKEEL SH. P.V.BALAKRISHNAN(REF & C&C - Prod. Engg/a.g.m.) ok
APPROVAL	APPROVED	19-Feb-2019 14:50	BANSAL, VISHAL . BANSAL, VISHAL RAGHU NATH BANSAL(Prod. Engg./g.m.) ok
AGREE	APPROVING		JHAMNANI, JITENDER . JHAMNANI, JITENDER NARAIN JHAMNANI(Noida Accounting/dy.manager)

Refers

*Refer	Department / Position
Kumar, Rajesh . Kumar, Rajesh	REF - Prod. Engg/

File Attach

File	Description
ARC-1601.pdf [358409 Byte]	
1601_1632 Approved APPROVAL FOR 3NO COOLING TOWER PANEL FOR ENERGY SAVING CONTROL FACILITY.msg [5064192 Byte]	

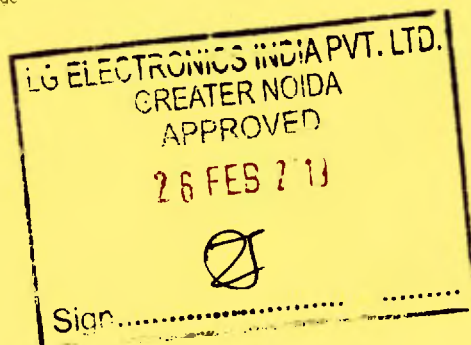
Payment Detail

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.
ARC AUTO TECH PRIVATE LIMITED, NOIDA ()	ILPCNZ1902146734	PURCHASE OF PLC FOR 3NO COOLING TOWER PANEL FOR ENERGY SAVING CONTROL FACILITY	Refrigeration AU	Part payment	INR	65,000.00	22-Jan-2019	65,000.00		N/A	GST/2019: 19/1601

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

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Due Date 30/03/19.

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Home Logout Preferences Help Diagnostics

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

Local Receipt List

Receipt: Local Receipt List > Create Payment Submission >

Voucher Entry

View Order Submission

Back

Order Summary

Order Submission No ILOCNZ1902146734
 Order Submission Title PURCHASE OF PLC FOR 3NO COOLING TOWER PANEL FOR ENERGY SAVING CONTROL FACILITY
 Payment Condition Part payment

Voucher Information

Voucher No. GST/2018-19/1601
 Voucher Status APPROVING
 Payment Submission No. ILPCNZ1902183444
 Payment Submission Title PURCHASE OF PLC FOR 3NO COOLING TOWER PANEL FOR ENERGY SAVING CONTROL FACILITY
 Voucher Batch Name EAIL-FINEPS_LOCAL-22009-190218-00230

Invoice Information

Invoice Type GENERAL INVOICE
 Invoice No. GST/2018-19/1601
 Invoice Received Date 22-Jan-2019
 Invoice Date 22-Jan-2019
 *Accounting Date 18-Feb-2019
 Supplier Code IN000924
 Supplier Name ARC AUTO TECH PRIVATE LIMITED, NOIDA
 Gst No. URAAFA2654L1ZG
 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 22-Jan-2019 20-Feb-2019

Waybill Information

Nature of Job Material
 Bill To State Uttar Pradesh
 Waybill Number
 Bill From State Uttar Pradesh
 Waybill Type
 Waybill Amount

Tax Information

* (A) Net Amount 65,000.00

Tax Base Amount 65,000.00

Tax [M2] Purchase (CGST + SGST) 9.0%

Tax rate code	Tax rate name	Tax base	Tax Rate (%)	Tax Amount	Non deduction Rate(%)	Non-deduction Amount	DFF
ILP_SGST_090	Purchase S-GST 9%	65,000.00	9	5,850.00	0	0.00	AUTO
ILP_CGST_090	Purchase C-GST 9%	65,000.00	9	5,850.00	0	0.00	AUTO

(C) Tax Amount Total 11,700.00

(D) Non deduction Amount Total 0.00

(E)=A+B+C+D Total Amount 76,700.00

(F) Agreed Penalty

(G)=E+F Payment Amount 76,700.00

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 PLC FOR 3NO COOLING TOWER PANEL FOR ENERGY SAVING CONTROL FACILITY	85044090		1	65,000.00	65,000.00	65,000.00
Total						1	65000	65000

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

About this Page

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 ARC AUTO TECH PVT.LTD G-298, Sector 63, Noida 201301 Uttar Pradesh NSIC/GP/NAR/2015/0018305 SSI:090101111857 GSTIN/UIN: 09AAFCA2654L1ZG State Name : Uttar Pradesh, Code : 09 CIN: U29299DL2005PTC138294 E-Mail : sales@arcautomation.com	Invoice No. GST/2018-19/1601	Dated 22-Jan-2019
	Delivery Note	Mode/Terms of Payment
Consignee LG Electronics (I) Pvt Ltd (Gr.Noida) Plot - 51, Udyog Vihar, Surajpur, Kasna Road, G.Noida Vendor Code - IN009924 GSTIN/UIN : 09AAACL1745Q1Z2 State Name : Uttar Pradesh, Code : 09	Buyer's Order No. LGEIL/PE/REF/INV/1901/003-A	Dated 15-Jan-2019
	Despatch Document No.	Delivery Note Date
	By Hand	Destination
	Despatched through	Gr. Noida
	Del. BY R Kishan	Motor Vehicle No.
	Bill of Lading/LR-RR No.	DL02CAL7662
Terms of Delivery Mr. Pradeep & Lalit <u>Mr. Pradeep - 9953555576</u>		
Buyer (If other than consignee) LG Electronics (I) Pvt Ltd (Gr.Noida) Plot - 51, Udyog Vihar, Surajpur, Kasna Road, G.Noida Vendor Code - IN009924 GSTIN/UIN : 09AAACL1745Q1Z2 State Name : Uttar Pradesh, Code : 09 Place of Supply : Uttar Pradesh		

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	FRE740120EC Sr. No. C89184004/5	85044090	2 Nos	32,500.00	Nos	65,000.00
	State Tax(SGST) 9% Output				9 %	5,850.00
	Central Tax (CGST)9%(Output)				9 %	5,850.00
Total			2 Nos			₹ 76,700.00

Amount Chargeable (in words) E. & O.E
INR Seventy Six Thousand Seven Hundred Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
85044090	65,000.00	9%	5,850.00	9%	5,850.00	11,700.00
Total	65,000.00		5,850.00		5,850.00	11,700.00

Tax Amount (in words) : **INR Eleven Thousand Seven Hundred Only**

Company's PAN : **AAFCA2654L**

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : **HDFC Bank**
 A/c No. : **09228020000112**
 Branch & IFS Code : **I.P. EXTENSION, PATPARGUNJ, DELHI & HDFC0000922**

Customer's Seal and Signature

for **ARC AUTO TECH PVT.LTD**



[Handwritten signature]

SECURITY G-2
BY: *[Signature]*
DATE: 6/11/19
1455

SECURITY G-2
BY: *[Signature]*
DATE: 4/10/18
1601
1325
1510
2

17-170T1901000157
LG ELECTRONICS (U) PVT. LTD. G. NOIDA

Tax Invoice

(DUPLICATE FOR TRANSPORTER)

 ARC AUTO TECH PVT.LTD G-298, Sector 63, Noida 201301 Uttar Pradesh NSIC/GP/NAR/2015/0018305 SSI:090101111857 GSTIN/UIN: 09AAFCA2654L1ZG State Name : Uttar Pradesh, Code : 09 CIN: U29299DL2005PTC138294 E-Mail : sales@arcautomation.com	Invoice No.	Dated	
	GST/2018-19/1601	22-Jan-2019	
Consignee LG Electronics (I) Pvt Ltd (Gr.Noida) Plot - 51, Udyog Vihar, Surajpur, Kasna Road, G.Noida Vendor Code - IN009924 GSTIN/UIN : 09AAACL1745Q1Z2 State Name : Uttar Pradesh, Code : 09 Buyer (if other than consignee) LG Electronics (I) Pvt Ltd (Gr.Noida) Plot - 51, Udyog Vihar, Surajpur, Kasna Road, G.Noida Vendor Code - IN009924 GSTIN/UIN : 09AAACL1745Q1Z2 State Name : Uttar Pradesh, Code : 09 Place of Supply : Uttar Pradesh	Delivery Note	Mode/Terms of Payment	
	Buyer's Order No.	Dated	
	LGEIL/PE/REF/INV/1901/003-A	15-Jan-2019	
	Despatch Document No.	Delivery Note Date	
	By Hand		
	Despatched through	Destination	
	Del. BY R Kishan	Gr. Noida	
	Bill of Lading/LR-RR No.	Motor Vehicle No.	
		DL02CAL7662	
	Terms of Delivery	Mr. Pradeep & Lalit	

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	FRE740120EC Sr. No. C89184004/5	85044090	2 Nos	32,500.00	Nos	65,000.00
	State Tax(SGST) 9% Output			9 %		5,850.00
	Central Tax (CGST)9%(Output)			9 %		5,850.00
	Total		2 Nos			₹ 76,700.00

Amount Chargeable (in words) **INR Seventy Six Thousand Seven Hundred Only** E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
85044090	65,000.00	9%	5,850.00	9%	5,850.00	11,700.00
Total	65,000.00		5,850.00		5,850.00	11,700.00

Tax Amount (in words) : **INR Eleven Thousand Seven Hundred Only**

Company's PAN : **AAFCA2654L**

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : **HDFC Bank**
 A/c No. : **09228020000112**
 Branch & IFS Code : **I.P. EXTENSION, PATPARGUNJ, DELHI & HDFC0000922**

Customer's Seal and Signature

for **ARC AUTO TECH PVT.LTD**
 Authorised Signatory

SUBJECT TO UTTAR PRADESH JURISDICTION

This is a Computer Generated Invoice



E - WAY BILL SYSTEM



e-Way Bill



E-Way Bill No: 4110 4699 0118
 E-Way Bill Date 22/01/2019 11:02 AM
 Generated By: 09AAF CA265 4L1ZG - ARC AUTO TECH PRIVATE LIMITED ✓
 Valid From: 22/01/2019 11:02 AM [25Kms]
 Valid Until 23/01/2019

Part - A

GSTIN of Supplier 09AAFCA2654L1ZG, M/S ARC AUTO-TECH PVT LTD ✓
 Place of Dispatch NOIDA, UTTAR PRADESH-201301
 GSTIN of Recipient 09AAA CL174 5Q1Z2, LG ELECTRONICS INDIA PRIVATE LIMITED
 Place of Delivery Greater Noida, UTTAR PRADESH-201306
 Document No. GST/2018-19/1601
 Document Date 22/01/2019
 Transaction Type: Regular
 Value of Goods ₹ 76700
 HSN Code 85044090 - DRIVE
 Reason for Transportation Outward - Supply
 Transporter 09AAFCA2654L1ZG & M/S ARC AUTO-TECH PVT LTD

Powered By National Informatics Centre

Part - B

Mode	Vehicle / Trans Doc No & Dt.	From	Entered Date	Entered By	CEWB No. (If any)	Multi Veh.Info (If any)
Road	DL02CAL7662	NOIDA	22/01/2019 11:02 AM	09AAFCA2654L1ZG	-	-



411046990118


LG Electronics India Pvt. Ltd.

Plot No. 51, Udyog Vihar, Surajpur-Kasna Road, Greater Noida - 201308 (U.P.) India
T: 91-120-7180100 F: 91-120-7180690/91 Website: www.lge.com

PURCHASE ORDER

Arc Auto-Tech Pvt. Ltd.
G-298, Sector-63,
Noida

Date : 15/01/2019
PO No. : LGEIL/PE/REF/INV/1901/003-A

We are pleased to place the Purchase Order with you for the same with following details :

Sr.No.	Item Description	Qty.	Units	Unit Price (Rs.)	Amount (Rs.)
1	PLC- FXS-30MR	3	Nos	10,600.00	31,800.00
2	Inverter - FRE740-120- EC	3	Nos	32,500.00	97,500.00
Basic Total					129,300.00

All Govt. Taxes Extra

Delivery Address : LG Electronics India Pvt Ltd, 51, Udyog Vihar, Greater Noida.
Delivery Date : By 25 January -2019 at LGEIL.
Partial Shipment : Not Allowed
Invoice Gate Entry : Gate Entry is mandatory on Invoice at the time of material delivery
Gate Entry : For delivery, pls. contact one day in advance to provide details of person coming for delivery to following e-mail & phone
Mr. Lalit [Email- lalit4.kumar@lge.com ; Mob. No-0120-7180484]
Material /Bill Receiving : Mr Pradeep Kumar Contact No: 9958240365
Material should be delivered inside factory & receiving is not allowed at Gate
Payment Terms : Payment after 30 days of receipt of material and submission of bills at LGEIL
Payment Queries : Mr. Lalit [Email- lalit4.kumar@lge.com ; Mob. No-0120-7180484]

- Please attach Purchase order Copy with Invoice for proper gate entry at LGEIL.
- Please return the copy of this Purchase Order duly signed as a token of order acceptance.

Yours Faithfully,
For LG Electronics India Pvt Ltd


Pradeep Kumar
AM-Production Engineering


Vishal Bansal
GM-Production Engineering

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

Subject APPROVAL FOR 3NO COOLING TOWER PANEL FOR ENERGY SAVING CONTROL FACILITY

Created Date 11 Jan, 2019 10:03 (Korea Time)

Requested by PRADEEP KUMAR(LGEIL REF - Prod. Engg/asst.manager.)

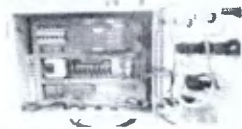
Rs. Lacs

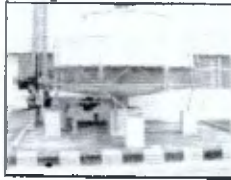
Head		Details
Category		Investment
Approval No.		LGEIL/PE/REF/INV/1901/003
Budget Amount	Year Total -2019 (A)	2250
	YTD-2019 (B)	2250
Progress Status (YTD-Utilization prior to this Approval)	Amt (C)	53
	% (C) / (B)	2%
	Amt (D)	1.9
Execution Status (Current Approval Amount)	% (D) / (B)	0%
	Amt (E) = (C)+(D)	55
Total Utilization	% (E) / (B)	2%
	Year Total-2018 (A) - (E)	2195
Balance	YTD-Year (B) - (E)	2195

Investment Approval

Div/Deptt	Activity	Category	Amt	Investment Objective
REF/PE	Control system for Cooling tower energy saving	Machinery	Rs.-1,98,961/- [All Govt Taxes Extra]	Energy Saving ✓

Purpose/ Detail	Building	Number	Area	Plan	Status	Benefit
Cooling tower fan is running continuously after reaching temperature causing energy loss. Energy saving control system to be installed for cooling tower.	A	1	Ref 1 Case and Door	Nov-17	●	• Energy saving and water filling automation Time Schedule Approval PC issue Transit Install 15/1 16/1 02/02 10/02
	A	2	Ref 2 Case and Door			
	W	4	Vacuum Filmming	Feb-19	V	
	A	2	Ref chamber 1 to 10	Mar-19		
	W	4	Ref Chamber No 6			
	W	1	Ref Chamber 17 to 24	Apr-19		
	A	1	AC Calorimeter			
	C	2	CCC Paint Shop	May-19		

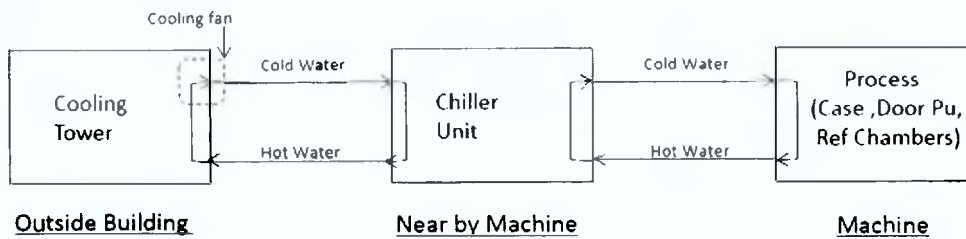
As-Is IL	Proposed Model	ROIC						
Direct starter for fan motor	 VFD Based Control	<table border="1"> <tr> <td>Investment Cost (Rs)</td> <td>198960</td> </tr> <tr> <td>Yearly Cost Saving (Rs)</td> <td>114480</td> </tr> <tr> <td>ROI (Years)</td> <td>1.7</td> </tr> </table> ROI 1.7 Years	Investment Cost (Rs)	198960	Yearly Cost Saving (Rs)	114480	ROI (Years)	1.7
Investment Cost (Rs)	198960							
Yearly Cost Saving (Rs)	114480							
ROI (Years)	1.7							

Activity Code	Ref investment budget -2019	Installation Location
Last Purchased Detail	New Asset	Cooling Tower
Last Purchased Cost	NA	
Old Asset Detail	No Asset Disposal,	

Cooling Tower Energy Saving

Objective:- To save energy consumption of cooling tower by controlling the speed of the Fan motor.

Process Layout:



Breakthrough idea: Reducing RPM of cooling fan motor if Water Temperature reach at set level

Cost Calculation:

Electric Load and Energy Calculation

Parameter	Motor Performance	
Current (Amp)	9.5	7
Voltage (Volt)	410	410
Frequency (Hz)	50	25
Power factor	0.8	0.8
Power (KW)	5391	3972
Energy consumption (KWH)	5.4	4
Electricity unit	5.4	4.0
Energy Cost Per Hour (Rs)	40.4	29.8

Cost Calculation

	1 CT	3 No CT
Per Hour Cost Saving (Rs)	10.6	31.8
Per day Saving (Rs)	212	636
Monthly Saving (Rs)	5300	15900
Yearly saving (Rs)	47700	143100
Single cooling Tower		
Yearly saving (Rs)	47700	143100
1 cooling Tower		
Considering 80% Usage	38160	114480
One cooling tower Invest cost	66320	198960

Approval for PLC and Inverter		ARC Autotech					
S.No.	Item Description	Unit	Qty	Quoted Price (INR)		Nego Price (INR)	
				Rate	Amount	Rate	Amount
1	PLC- FXS-30MR	No	3	21,200	63,600	10,600	31,800
2	Inverter - FRE740-120- EC	No	3	65,000	195,000	32,500	97,500
Basic Amount (INR)					258,600		129,300
All Govt Taxes Extra							

Approval for power cable

AB pal Electricals

Baba Electricals

S.No.	Item Description	Unit	Qty	Quoted Price (INR)		Nego Price (INR)		Quoted Price (INR)		Nego Price (INR)	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Power Flexible cable - 6 Sq MM x 4 core , Make-Polycab	Mtr	100	289	28,900	141.6	14161	289	28,900	152	15,173
Basic Amount (INR)					28,900		14,161		28,900		15,173

All Govt Taxes Extra

Approval for Electrical panel		JMR controls					
S.No.	Item Description	Unit	Qty	Quoted Price (INR)		Nego Price (INR)	
				Rate	Amount	Rate	Amount
1	Electrical Panel with Switch gear (MCB,Relay , indication lamp)	No	3	18,500	55,500	18,500	55,500
Basic Amount (INR)					55,500		55,500
All Govt Taxes Extra							

No	Approval Type	Status	Approved Date	Approved by / Comment
1	결재	승인완료	11 Jan, 2019 10:31	KANAKKEEL PRAKASH(LGEIL REF & C&C - Prod. Engg/Part Leader) Comment: OK. For Energy saving and water filling automation of cooling tower
2	결재	승인완료	11 Jan, 2019 12:28	VISHAL BANSAL(LGEIL Prod. Engg./Team Leader) Comment: ok. Required for Energy saving in cooling tower and also required for water level auto control to avoid overflow.
3	결재	승인완료	12 Jan, 2019 06:29	박진규(LGEIL FSE Production/책임) Comment: Ok..
4	결재	승인완료	12 Jan, 2019 07:39	DINESH LUNAWAT(LGEIL Planning & Strategy/Team Leader) Comment: Agree. REF PE Investment Budget-2019
5	결재	승인완료	14 Jan, 2019 16:41	CHANDRA KANDI(LGEIL Factory Head - Noida/Department Leader) Comment: ok

CC LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE)

Attached Files
 CHILLER WATER PANEL.pdf
 costing sheet all item.xlsx
 LG.pdf
 Q181701_LG_QTN_08-01-19.pdf
 Cooling Tower1 .pptx

EDMS	Retention	5 Year	Security Grade	Browse,Download
Attributes	Access	*LG Electronics;*LGEIL REF - Prod. Engg	Permission	Browse,Download