

lowi

IL EPSF Department User

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Approval Budget Execution Bidding Order Order Mgt Import PO Receipt Verification Affiliate Transfer Setup
Local Receipt List
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Create Payment Submission

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Header

Payment Submission No. ILPCN21712158636
Request Date 15-Dec-2017
Requested by Kumar, Rajesh - Kumar, Rajesh (REF - Prod. Engg/)
Title PURCHASE OF CABLE FOR PCB LINE

1. Contents

OK

2. Payment Summary

Voucher Batch Name: BAZL-PENPS_LOCAL-22000-171215-18100

Accounting Unit	Basic Currency Code	Total		Invest		Expense		Supplies	
		Order	Receipt	Order	Receipt	Order	Receipt	Order	Receipt
Refrigeration AU	INR	722,043.00	722,043.00	722,043.00	722,043.00	0.00	0.00	0.00	0.00
Total		722,043.00	722,043.00	722,043.00	722,043.00	0.00	0.00	0.00	0.00

Approvals

Approval Type	Approval Status	Approved Date	Approver/Comment
APPROVAL	APPROVED	15-Dec-2017 12:29	PRAKASH, KANAKKEEL SH. P.V.BALAKRISHNAN(REF & CBC - Prod. Engg/a.g.m.) ok
APPROVAL	APPROVED	15-Dec-2017 12:56	MISHRA, ATUL SHR R P MISHRA(WM & RAC - Prod. Engg/a.g.m.) OK
AGREE	APPROVING		CHADHA, SANDEEP . CHADHA, SANDEEP MR. PREM PAL CHADHA(Accounting Innovation/manager)

Refers

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

File Attach

File
BABA IHV NC-4993.pdf [1625687 Byte]
Description

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.
BABA ELECTRICALS	ILPCN21712149765	PURCHASE OF CABLE FOR PCB LINE	Refrigeration AU	Part payment	INR	722,043.00	07-Dec-2017	722,043.00		N/A	4993

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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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. IL0CN21712149765
 Order Submission Title PURCHASE OF CABLE FOR PCB LINE
 Payment Condition Post payment

Voucher Information

Voucher No. 4883
 Voucher Status APPROVING
 Payment Submission No. ILPCN21712158888
 Payment Submission Title PURCHASE OF CABLE FOR PCB LINE
 Voucher Batch Name EAL-PMEPS_LOCAL-22888-171215-18188

Invoice Information

Invoice Type GENERAL INVOICE
 Invoice No. 4883
 Invoice Received Date
 Invoice Date 07-Dec-2017
 *Accounting Date 15-Dec-2017
 Supplier Code IN082842
 Supplier Name SABA ELECTRICALS
 Gst No 07AAPPA3798112T
 India Tax DFF

LGE Name LG Electronics India (PVT.) Ltd
 LGE Biz-No. AAACL1749Q
 Invoice Currency INR
 Payment Term Domestic 15 Days End of Month Arrival Date
 Payment Method MASE_PAY
 Payment Group REGULAR
 Terms Date/Due Date 07-Dec-2017 31-Dec-2017

Waybill Information

Nature of Job Material
 Bill To State Uttar Pradesh
 Waybill Number 1712W1288+4888188233

Bill From State Delhi
 Waybill Type E WAYBILL 01
 Waybill Amount 852,011.00

Tax Information

* (A) Net Amount 722,043.00
 Tax Base Amount 722,043.00

Tax rate code	Tax rate name	Tax base	Tax Rate (%)	Tax Amount	Non-deduction Rate(%)	Non-deduction Amount	DFF DFF Auto/Input
ILP_IGST_180	Purchase I-GST 18%	722,043.00	18	129,968.00	0	0.00	AUTO

(C) Tax Amount Total 129,968.00
 (D) Non-deduction Amount Total 0.00
 (E)=A+B+C+D Total Amount 852,011.00
 (F) Agreed Penalty
 (G)=E+F Payment Amount 852,011.00

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 CABLE FOR PCB LINE	8544			1	722,043.00	722,043.00	722,043.00
Total						1	722043	722043	722043

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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GSTIN : 07AAPPA3796A1ZT

(Input Tax Credit is available to a taxable person against this copy)

Original For Recipient

TAX INVOICE

BABA ELECTRICALS

2077,1st FLOOR CHAH INDARA MARKET, BEHIND JUBLEE CINEMA,
BHAGIRATH PALACE, DELHI-110006

PAN : AAPPA3796A

Tel. : 91/011-23873316/23864736 email : babaelectricals@gmail.com

A HOUSE OF INDUSTRIAL & FACTORY AUTOMATION GOODS.

Invoice No. : 4893
Date of Invoice : 07-12-2017
Place of Supply : Uttar Pradesh (09)
Reverse Charge : N
GR/RR No. :Transport :
Vehicle No. :
Station : NOIDA
PO.NO. : LGEIL/PE/PCB/INV/1211/011
PO.DATE :

Billed to :

LG ELECTRONICS INDIA PVT LTD (G.B.) 51
PLOT NO. 51, SURAJPUR KASNA ROAD,
GREATER NOIDA INDUSTRIAL AREA, DISTT.
GAUTAM BUDH NAGAR, U.P.Party PAN : AAACL1745Q
GSTIN / UIN : 09AAACL1745Q1Z2

Shipped to :

LG ELECTRONICS INDIA PVT LTD (G.B.) 51
PLOT NO. 51, SURAJPUR KASNA ROAD,
GREATER NOIDA INDUSTRIAL AREA, DISTT.
GAUTAM BUDH NAGAR, U.P.Party PAN : AAACL1745Q
GSTIN / UIN : 09AAACL1745Q1Z2

S.N.	Description of Goods	HSN/SAC Code	Qty.	Unit	List Price	Discount	Price	Amount(Rs.)
1.	CABLE (M) POWER CABLE 185 SQMM X 4 CORE FLEXIBLE	8544	139.00	Metre	5,137.00	0.00 %	5,137.00	7,14,043.00

Add : Freight & Forwarding Charges

Add : IGST

Add : Rounded Off (+)

@ 18.00 %

7,14,043.00

8,000.00

1,29,967.74

0.26

Grand Total 139.00 Metre

8,52,011.00

Tax Rate	Taxable Amt.	IGST	Total Tax
18%	7,22,043.00	129967.74	1,29,967.74

Rupees Eight Lakh Fifty Two Thousand Eleven Only

Terms & Conditions

E & O.E.

1. Goods once sold will not be taken back.
2. Interest @ 18% p.a. will be charged if the payment is not made within the stipulated time.
3. Subject to 'Delhi' Jurisdiction only.

Receiver's Signature :

for BABA ELECTRICALS

Authorised Signatory

Handwritten signature

07/12/13 16:45
Date
Entry No. 505
Vehicle No. M-12X 97-88
SECURITY 02

07/12/13 16:45
Date
Form-35 No. 16150
Gate No. 18382
Vehicle Entry No. 4893
LG ELECTRONICS (I) PVT. LTD. G. NORDA
E 574

FORM-EWay Bill-01
Department of State Taxes/Commercial Taxes, Government of Uttar
Pradesh
Form of Declaration for import

Original Copy



EWay Bill-01 Serial No

1712W126944600158233

This EWay Bill-01 Number is valid upto 22/12/2017

Date of Issue

07/12/2017

Assessment Office

Corporate Circle, Noida

GSTIN

09AAACL1745Q1Z2

Name of Dealer

Address of Dealer

1. Description of Goods

2. Weight / Measure

3. Quantity

4. Value in Figure

5. Value in Words

6. Bill/ cash memo/ challan/ tax invoice number & date

7. Goods Destination Place

8. Name and Address of seller / consignor

9. TIN of seller / consignor

LG ELECTRONICS INDIA PRIVATE LIMITED

PLOT 51 UDHYOG VIHAR SURAJPUR KASNA ROAD

GREATER NOIDA UP

ELECTRICAL GOODS

2000.00-Kilograms

139-Other

852011.00

Rupees Eight Lakh Fifty Two Thousand Eleven Only

(4893.07/12/2017)

NOIDA

BABA ELECTRICALS 2098 119 BEHIND JUBLEE CINEMA

BHAGIRATH PALACE DELHI

07AAPP3796A1ZT

I, _____, the authorized signatory of the above named dealer, do hereby declare that the goods noted above are being imported/received/brought by the aforesaid dealer.

This EWay Bill-01 is online generated and as such does not require any signature of importer/seller.

Signature of authorized signatory

1. Name & address of the Transporter / carrier etc.

2. Service Provider no. of the carrier, if any

3. Carrier/ Truck no. DL12X 2788

4. Name & address of Driver Mohd Azam 123/3 Bagati Enclave Burari

5. Driving License No. UP 15 20100017947

6. Signature of the vehicle driver.



Demand No : D1712900076566 (171200092977) Single (Original)

Printed On : 07/12/2017 12:01:06

Department of State Taxes/Commercial Taxes, Government of Uttar
Pradesh
Form of Declaration for import

Second Copy



EWay Bill-01 Serial No 1712W126944600158233
Date of Issue 07/12/2017
Assessment Office Corporate Circle, Noida
GSTIN 09AAACL1745Q1Z2
Name of Dealer

This EWay Bill-01 Number is valid upto 22/12/2017

Address of Dealer

LG ELECTRONICS INDIA PRIVATE LIMITED
PLOT 51 UDHYOG VIHAR SURAJPUR KASNA ROAD
GREATER NOIDA UP
ELECTRICAL GOODS

1. Description of Goods

2000.00-Kilograms

2. Weight / Measure

3. Quantity

139-Other

4. Value in Figure

852011.00

5. Value in Words

Rupees Eight Lakh Fifty Two Thousand Eleven Only

6. Bill/ cash memo/ challan/ tax invoice number & date

(4893,07/12/2017)

7. Goods Destination Place

NOIDA

8. Name and Address of seller / consignor

BABA ELECTRICALS 2098 119 BEHIND JUBLEE CINEMA
BHAGIRATH PALACE DELHI

9. TIN of seller / consignor

07AAPPA3796A1ZT

I, _____, the authorized signatory of the above named dealer, do hereby
declare that the goods noted above are being imported/received/brought by the aforesaid dealer.

This EWay Bill-01 is online generated and as such does not require any signature of importer/seller.

Signature of authorized signatory

1. Name & address of the Transporter / carrier etc.
2. Service Provider no. of the carrier, if any
3. Carrier/ Truck no.
4. Name & address of Driver
5. Driving License No.
6. Signature of the vehicle driver.

DL1LR-1111

DL1LX-2788



Demand No : D1712900076566 (171200092977) Single (Second)

Printed On : 07/12/2017 12:01:06

[Handwritten signature]

FORM-EWay Bill-01
Department of State Taxes/Commercial Taxes, Government of Uttar Pradesh
Form of Declaration for import

Original Copy



EWay Bill-01 Serial No	1712W126944600158233	This EWay Bill-01 Number is valid upto 22/12/2017
Date of Issue	07/12/2017	
Assessment Office	Corporate Circle, Noida	
GSTIN	09AAACL1745Q1Z2	
Name of Dealer		LG ELECTRONICS INDIA PRIVATE LIMITED
Address of Dealer		PLOT 51 UDHYOG VIHAR SURAJPUR KASNA ROAD GREATER NOIDA UP
1. Description of Goods		ELECTRICAL GOODS
2. Weight / Measure		2000.00-Kilograms
3. Quantity		139-Other
4. Value in Figure		852011.00
5. Value in Words		Rupees Eight Lakh Fifty Two Thousand Eleven Only
6. Bill/ cash memo/ challan/ tax invoice number & date		(4893,07/12/2017)
7. Goods Destination Place		NOIDA
8. Name and Address of seller / consignor		BABA ELECTRICALS 2098 119 BEHIND JUBLEE CINEMA . BHAGIRATH PALACE DELHI
9. TIN of seller / consignor		07AAPP3796A1ZT

I, _____, the authorized signatory of the above named dealer, do hereby declare that the goods noted above are being imported/received/brought by the aforesaid dealer.

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Signature of authorized signatory

1. Name & address of the Transporter / carrier etc.
2. Service Provider no. of the carrier, if any
3. Carrier/ Truck no.
4. Name & address of Driver
5. Driving License No.
6. Signature of the vehicle driver.

DL1LR-1111



Handwritten signature

Demand No : D1712900076566 (171200092977) Single (Original)

Printed On : 07/12/2017 12:01:06

Department of State Taxes/Commercial Taxes, Government of Uttar
Pradesh
Form of Declaration for import

Second Copy



EWay Bill-01 Serial No 1712W126944600158233
Date of Issue 07/12/2017
Assessment Office Corporate Circle, Noida
GSTIN 09AAACL1745Q1Z2
Name of Dealer

This EWay Bill-01 Number is valid upto 22/12/2017

Address of Dealer

LG ELECTRONICS INDIA PRIVATE LIMITED
PLOT 51 UDHYOG VIHAR SURAJPUR KASNA ROAD
GREATER NOIDA UP

1. Description of Goods

ELECTRICAL GOODS

2. Weight / Measure

2000.00-Kilograms

3. Quantity

139-Other

4. Value in Figure

852011.00

5. Value in Words

Rupees Eight Lakh Fifty Two Thousand Eleven Only

6. Bill/ cash memo/ challan/ tax invoice number & date

(4893,07/12/2017)

7. Goods Destination Place

NOIDA

8. Name and Address of seller / consignor

BABA ELECTRICALS 2098 119 BEHIND JUBLEE CINEMA
BHAGIRATH PALACE DELHI

9. TIN of seller / consignor

07AAPP3796A1ZT

I, _____, the authorized signatory of the above named dealer, do hereby
declare that the goods noted above are being imported/received/brought by the aforesaid dealer.

This EWay Bill-01 is online generated and as such does not require any signature of importer/seller.

Signature of authorized signatory

1. Name & address of the Transporter / carrier etc.

2. Service Provider no. of the carrier, if any

3. Carrier/ Truck no.

DL1LR-1111

4. Name & address of Driver

5. Driving License No.

6. Signature of the vehicle driver.



[Handwritten signature]

Demand No : D1712900076566 (171200092977) Single (Second)

Printed On : 07/12/2017 12:01:06



LG Electronics India Pvt. Ltd.

Plot No. 51, Udyog Vihar, Surajpur-Kasna Road, Greater Noida - 201306 (U.P.) India
T: 91-120-7180100 F: 91-120-7180690/91 Website: www.lge.com

PURCHASE ORDER

Baba Electricals
2077, 1st Floor
Chah Indara,
Bhagirath Place
Delhi-11006

Date : 24/10/2017
PO No. : LGEIL/PE/PCB/INV/1710/001

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	Power cable 2.5x4 sq mm flexible	2000	Mtrs	61.20	122,400
2	Power cable 4.0x4 sq mm flexible	1500	Mtrs	93.00	139,500
3	Power cable 6.0x4sq mm flexible	600	Mtrs	133.00	79,800
4	Power cable 185x4 sq mm flexible	50	Mtrs	5,137.00	256,850
Basic Total					598,550
All Govt. Taxes Extra					

Delivery Address : LG Electronics India Pvt Ltd, 51, Udyog Vihar, Greater Noida.

Delivery Date : By 05 November. 2017 at LGEIL.

Partial Shipment : Not allowed.

Invoice Gate Entry : Gate Entry is mandatory on Invoice at the time of material delivery

Road Permit : Token No. should be requested 3 days before dispatch of material
Mr. Lalit [Email- lalit4.kumar@lge.com ; Mob. No-0120-7180484]

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 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]

C Form Queries : Email Id: aniruddh.sharma@lge.com

- It is mandatory to send goods along with duly filled road permit (Form-38) at the time of entry into the State of U.P.
- Original Invoice & Excise Gate pass should accompany the consignment.
- 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


Rohit Arora
DGM-Production Engineering


Vishal Bansal
GM-Production Engineering

The date of Issue Date / Approval Date / Check Date is based on Korean standard time (GMT+9)

Subject PURCHASE OF 400KVA UPS FOR NEW PCB LINE

Created Date 12 Oct, 2017 07:39 (Korea Time)

Requested by LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE.)

Investment Approval

Div/Deptt	Activity	Category	Amt	Investment Objective
PE	400 KVA UPS for new PCB Line	Machinery	38,93,000/-	New Line Set Up Local scope

Purpose/ Detail

- New UPS is required for new PCB line all machinery and equipment
- Clean power is required for highly precise machines
- Master approval is already ok

Activity Code : HQ driven project and master approval sheet attached

Expense associated

S.No	Item	Detail	Supplier	Amount
1	400 KVA UPS	UPS for new PCB line	Offcom System Pvt.Ltd	2,900,000
2	N/OUT Panel for UPS Supply	UPS Output Panel	After Price negotiation	54,800
		UPS Input Panel	After Price negotiation	38,300
3	UPS Supply Distribution Panel	PDB Panel for Machine UPS Supply	After Price negotiation	800,000
4	Cables for UPS Supply Distribution	For Machine UPS supply connection	After Price negotiation	600,000
		Total		3,893,000

Old Asset Detail

NA



Cable Detail

2.5mm, 4 core	2000 Meter
4mm, 4 core	800 Meter
16mm, 4 core	100 Meter
70mm, 4 core	400 Meter
185mm, 4 core	50 Meter

Benefit

New PCB line will be installed for in house PCB manufacturing.
For this purpose UPS will be installed for All machinery UPS Supply

Time Schedule



ROIC

Supporting document
HQ Master approval
Noida Activity approval

Installation Location



MASTER APPROVAL DETAILS SHEET

유첨. UT 비용(① 안)

No.	Head	Details	Amount (Lacs)	Remarks	Sub Total INR Lacs	KUSD 1 \$ = 65 INR
1		400 KVA UPS Installation for Machines	39	Uninterruptable power is required.		
2	Power & Electrical	2 No panels for Line machine & Utility machine along with Cable	36	One PDB for all line machines & one PDB for utility is required for power distribution.	94	144
3		Lights installation for Lux level with Switches & DB's	16.92	Lux level to be maintained as per standard requirement.		
4	As per Conditioning	200 Screw chiller (1*100 TR Compressor Working + 1 Standby)	32	Approx 100 TR system is required to maintain Temp & Humidity requirement.	60	123
5		2 No AHU's at Line	8	AHU's are required for proper distribution.		
6		Ducting , Electrical , Panel , Civil work etc	25	Required for system installation.		
7		Pipe Line work	15	Required for system installation.		
8	Civil	Partition work (Aluminum with Glass) with doors , False Ceiling Work , Floor polishing	39.5	This is required as per approved dimensions & considering one side factory existing wall to be used.	40	61
9	Fire Alarm System	Detectors installation	5.25	Fire Safety Requirement	13	20
10		Cabling & Panel Work	6	Fire Safety Requirement		
11		Programming & Installation charges	2	Fire Safety Requirement		
12	Fire Extinguishers	ABC Type fire extinguishers installation	1	Fire Safety Requirement	2	3
13		CO2 Type fire extinguishers installation	1	Fire Safety Requirement		
Total Amount			229		229	352

1 / 3

No	Approval Type	Status	Approved Date	Approved by / Comment
				MUKUL SAXENA(LGEIL REF - Prod. Engg/manager) Comment: 400 KVA UPS for new PCB Line
1	결재	승인완료	12 Oct, 2017 07:46	Master approval is attached for this project mentioning UPS requirement. UPS Support item also included like, UPS connection PDB and Power cable for power distribution
2	결재	승인완료	12 Oct, 2017 08:06	ROHIT ARORA(LGEIL REF - Prod. Engg/d.g.m.) Comment: OK
3	결재	승인완료	12 Oct, 2017 08:21	VISHAL BANSAL(LGEIL Prod. Engg./g.m.) Comment: ok. This activity is part of PCB project and listed in Master approval which is already taken.
4	결재	승인완료	12 Oct, 2017 08:49	ANIL KUMAR(LGEIL Factory Head - Noida/v.p.) Comment: OK.
CC LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE) MUKUL SAXENA(LGEIL REF - Prod. Engg/manager)				
Attached Files offer LG 400Kva 10-10-17.pdf RE UPS 400KVA.msg Approved MASTER APPROVAL FOR NOIDA PCB LINE IN HOUSE MANUFACTURING.msg				
EDMS Attributes	Retention Access	3 Year	*LG Electronics; *LGEIL WMC - Prod. Engg	Security Grade Permission Browse;Download Browse;Download

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

Created Date 2017-09-23 14:18 (Korea Time)

Requested by Lalit Kumar (LGEIL WMC - Prod. Engg / LOCAL EMPLOYEE ,)

Subject APPROVAL FOR NOIDA PCB LINE IN HOUSE MANUFACTURING

Retention 3 Year

Security Grade Browse;Download

EDMS Attributes

Tag UNUSE

Access *LG Electronics;*LGEIL WMC - Prod. Engg

Permission Browse;Download

Details	Cost	Remarks
Total Project Cost	3272 K\$	
Machine / Equipment Cost	2699 K\$	PE Team Approval
Utilities Cost	573 K\$	Approval to be raised by FE Team
Breakup of Machine / Equipment Cost		
L6 to L6 Machine Transfer	1165 K\$	Old Machinery
New Machine / Equip Purchase	1534 K\$	New Machinery

Investment Approval

Div/Dept	Activity	Category	Amt	Investment Objective
PE	Noida PCB line in house manufacturing investment	New Line Setup	3,272 K\$	Quality/ Productivity/ Safety/ Capacity/ New Model/ Part cost C/ Other

Detail	Benefit						
In-house PCB Making and control box assembly (2 Lines) Preparation Line → SMT Line → IMT Line → PCBA Line Budget Status <table border="1"> <tr> <td>Machinery Cost</td><td>2699 K \$</td></tr> <tr> <td>Utility</td><td>573 K \$</td></tr> <tr> <td>Total Investment</td><td>3,272 K\$</td></tr> </table> Note - Additional budget (120 K \$) is required for local scope like: Cable/ cable tray/Earthing/ Fume exhaust System Local installation Fee Machine local air connection UT Rack Note - Spare Parts cost (231 K\$) is not considered in approval, separate approval will be taken for machine spare parts Annexure attached • Signed sheet of CEO • HQ Detail Investment Report • HQ EP System investment approval • Korea GP System approval • Korea GP approval detail & machine specification • ROI and system budget information • Ordering Summary PCB Line Layout	Machinery Cost	2699 K \$	Utility	573 K \$	Total Investment	3,272 K\$	• Measures against increase in PCBA volume. • Pyeongtaek idle facility utilization (SMT 1 Line) • Changwon idle facility utilization (coating, solder M / C, inspect machine) Time Schedule Approval: PO issue PCB Transit Install 25/09 24/09 15/10 15/11 09/12 ROI: • 2.11 Years (Refer attach calculation sheet) Installation Location Area Used 2,058m²(12.4m × 166m) A Building
Machinery Cost	2699 K \$						
Utility	573 K \$						
Total Investment	3,272 K\$						

From: LOREN PSE Production [mailto:loren@lorenpse.com] 01-12-09 09:09
To: 李國華 (Loren Lee) <loren@lorenpse.com>, 李國華 (Loren Lee) <loren@lorenpse.com>, 李國華 (Loren Lee) <loren@lorenpse.com>, 李國華 (Loren Lee) <loren@lorenpse.com>, 李國華 (Loren Lee) <loren@lorenpse.com>, 李國華 (Loren Lee) <loren@lorenpse.com>
Date: 2017-09-11 12:00:53 [GMT+09:00]
Subject: [Agreed] (2) 新產品 李國華 (Loren Lee) <loren@lorenpse.com>

[illegible]

地址：上海南京路 100 号 电话：2345678 电报：1234567 电传：1234567
 电报：1234567 电传：1234567 电报：1234567 电传：1234567
 电报：1234567 电传：1234567 电报：1234567 电传：1234567
 电报：1234567 电传：1234567 电报：1234567 电传：1234567

· 111 卷441 : 670K5
 李德勝, 著. 財政學(財政學) / 卷441 冊49 9.6圓正 函購 (cash) 冊49 29.2圓

[illegible]

一、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 二、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 三、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 四、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 五、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 六、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 七、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 八、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 九、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。
 十、本行在 1998 年 12 月 31 日止，共計有 1,000 名員工，其中 1,000 名員工均為全職員工，其餘 1,000 名員工均為兼職員工。

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No	Approval Type	Status	Approval Date	Approved by Comment
1	검토	승인완료	2017.09.01 10:41	이승호(LGEL FSE Planning 파트) 확인함 주요자간 검토가 완료된 것으로 cash out 20.2 확인함
2	검토	승인완료	2017.09.02 20:16	최현우(LGEL Node Manufacturing 파트) PCB를 통해 전기안전검토를 사전에 완료함
3	검토	승인완료	2017.09.04 17:19	김우송(LGEL CPO 파트) 확인함
Approval Line	검토	승인완료	2017.09.04 23:01	이원형(RAC) 확인함(확인) 확인함
	검토	승인완료	2017.09.04 19:42	최희준(부품개발팀) 확인함(확인) 확인함
	검토	승인완료	2017.09.05 08:51	김우익(전기안전팀) 확인함(확인) 확인함
	검토	승인완료	2017.09.05 07:26	최희준(부품개발팀) 확인함(확인) 확인함
	검토	승인완료	2017.09.05 16:02	이도현(RAC) 확인함(확인) 확인함
	검토	승인완료	2017.09.05 17:28	최희준(RAC BD 파트) 확인함
	검토	승인완료	2017.09.05 18:02	최희준(부품개발팀) 확인함(확인) 확인
	검토	승인완료	2017.09.05 17:35	이도현(전기안전팀) 확인함(확인) 확인
	검토	승인완료	2017.09.06 07:32	최희준(부품개발팀) 확인함(확인) 확인
	검토	승인완료	2017.09.06 08:42	최희준(부품개발팀) 확인함(확인) 확인
	검토	승인완료	2017.09.06 07:56	최희준(RAC) 확인함(확인) 확인
	검토	승인완료	2017.09.07 10:13	최희준(부품개발팀) 확인함(확인) 확인
9	검토	승인완료	2017.09.07 12:30	최희준(부품개발팀) 확인함(확인) 확인
10	검토	승인완료	2017.09.11 08:15	최희준(RAC) 확인함(확인) 확인
11	검토	승인완료	2017.09.11 12:49	최희준(CFO) 확인함(확인) 확인
최희준(LGEL FSE COM Production 파트) 최희준(부품개발팀) 확인함(확인) 최희준(LGEL FSE Procurement 파트) 최희준(LGEL FSE REV Development 파트(확인)) CC 이도현(부품개발팀) 확인함(확인) 이도현(부품개발팀) 확인함(확인) 이도현(부품개발팀) 확인함(확인) 최희준(부품개발팀) 확인함(확인) 최희준(RAC) 확인함(확인) 최희준(RAC) 확인함(확인)				
Attached Files 최희준(RAC) 확인함(확인) PCBA Design Report_170421_최희준.pdf 최희준(RAC) 확인함(확인) Summary_0929_최희준_리전 및 RAC.pdf				
Retention Access		) Year		Security Grade
Access		) LGEL FSE Production		Permission
Browse Download		Browse Download		Permission

MUKUL SAXENA/LGEIL REF - Prod. Engr(mukul.saxena@lge.com)

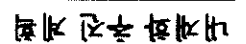
From: 이복탁 [yongtak88.lee@tje.com]
Sent: Thursday, September 21, 2017 11:20 AM
To: VISHAL BANSAL@ELI Prod. Engg [vishal.bansal@tje.com]; 서정희/정리/생산 기술관리팀 [cheongseo@tje.com];
junhyuk.saxena@tje.com; MUHUL SAXENAL@ELI REF - Prod. Engg [muhul.saxena@tje.com]; seungho.choi@tje.com;
yongho.park@tje.com; 이복탁/yongtak88.lee@tje.com; 정정호/정리/생산 기술관리팀 [cheongseo@tje.com];
Subject: [Approve] [일종특허] 연보 노이더 생산라인의 PCB Line 1에 대해 후기 전
Attachments: [일종특허] 자료집_0018_V2_특허.pptx; [일종특허] 연보 노이더 생산라인의 PCB Line 1에 대해 후기 전

1. **Subject:** 11. 臺灣省立美術館籌備處籌備工作報告
 2. **Original Date:** 2017.05.18 15:16 Korea Time
 3. **Reporting No.:** 台灣省立美術館籌備處籌備工作報告-20170518-3790

以下各圖係由圖 1 之各部分所組成，其構造如下：

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1. 1990년 10월 10일 제정된 「국립중앙도서관법」 제11조 제1항에
 2. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 3. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 4. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 5. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 6. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 7. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 8. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 9. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에
 10. 「국립중앙도서관법」 제11조 제1항에 따라 「국립중앙도서관법」 제11조 제1항에



17년 12월 13일

Import machinery Summary

Supplier	Country	No of machines	Machine	Maker	Old/New	Unit Value (USD)	UOM	Qty	Cost (USD)	Total Cost (USD)
Jinutec	Korea	10	Screen Printer	Panasonic	OLD	13,300	Each	1	13300	884209
			Inspection (SPI)	Koyoung	OLD	8,900	Each	1	8900	
			Mount	Panasonic (Jinutec)	OLD	79,204	Each	2	158408	
			Mount	Panasonic (Jinutec)	OLD	65,150	Each	2	130300	
			Reflow	Tamura	OLD	13,300	Each	1	13300	
JD System	Korea	2	Axial	Panasonic	OLD	186,667	Each	1	186667	274871
			Radial	Panasonic	OLD	186,667	Each	1	186667	
			Radial	Panasonic	OLD	186,667	Each	1	186667	
			Inspection (FCT)	JD System	New	137,836	Set	2	274872	
			Hybrid Placement & Insertion System	Mirae Industry	New	98,296	Each	2	196593	
Mirae Industry	Korea	2	- Main M/C	Mirae Industry	New	37,611	Each	2	75221	271814
			Hybrid Placement & Insertion System	Mirae Industry	New	37,611	Each	2	75221	
Panasonic HNP	Singapore	1	- Supply System & Nozzle	Panasonic	New	257,000	Each	1	257000	166100
			Axial	HNP	New	166,100	Each	1	166100	
LGERR	Korea	4	Heatstink Auto Screw	Sinmyung	OLD	27,434	Set	1	27434	127932
			Solder M/C	Tastop	OLD	30,918	Set	1	30918	
			(Including Cooling C/V)	Tastop	OLD	30,918	Set	1	30918	
			Inspection (ICT)	Eunil	OLD	54,845	Each	1	54845	
			Conformal Coating	Eunil	OLD	34,735	Each	1	14735	
Tastop	Korea	1	- Coating Master	Eunil	OLD	34,735	Each	1	14735	118730
			Conformal Coating	Eunil	OLD	34,735	Each	1	14735	
LGESP	Brazil	4	- Coating Dryer	Tastop	New	118,730	Set	1	118730	110956
			Inspection (ICT)	FAMECS	OLD	7,344	Each	1	7344	
Martec	Korea	2	Vacuum Loader	Panasonic	OLD	29,254	Each	1	29254	99822
			Screen Printer	Koyoung	OLD	56,508	Each	1	56508	
Eunil	Korea	3	Inspection (SPI)	Victronics	OLD	18,051	Each	1	38051	99822
			Reflow	Martec	New	49,911	Each	2	99822	
ETC	India	1	Inspection (AOI)	Eunil	New	73,912	Each	1	73912	99223
			Conformal Coating	Eunil	New	5,318	Each	1	5318	
ETC	India	1	- Coating Master	Eunil	New	5,318	Each	1	5318	99223
			Conformal Coating	Eunil	New	5,318	Each	1	5318	
ETC	India	1	- Flip Invert Station	Eunil	New	20,002	Each	1	20002	75292
			Conformal Coating	Eunil	New	20,002	Each	1	20002	
ETC	India	1	- Coating Dryer	Eunil	New	20,002	Each	1	20002	75292
			- Coating Dryer	Eunil	New	20,002	Each	1	20002	
ETC	India	1	+ Etc	Miscellaneous	New	75,292	Set	1	75292	75292
			(Measurement, Magazine)	Miscellaneous	New	75,292	Set	1	75292	

Import machinery Summary

Supplier	Country	No of machines	Machine	Maker	Old/New	Unit Value (USD)	UOM	Qty	Cost (USD)	Total Cost (USD)
SJ Innotech	Korea	21	Vacuum Loader	FAMECS	OLD	1,364	Each	1	1364	65150
			Gate Conveyor	SJ Innotech	New	13,060	Each	1	13060	
			Gate Conveyor	FAMECS	OLD	909	Each	1	909	
			Connect Conveyor (Cooling, 600mm)	SJ Innotech	NEW	3,540	Each	2	7080	
			Slide Conveyor (including Cooling)	SJ Innotech	NEW	6,000	Each	2	12000	
			Connect Conveyor (work table, 600mm)	SJ Innotech	NEW	1,545	Each	1	1545	
			Connect Conveyor (work table, 1000mm)	SJ Innotech	NEW	4,408	Each	2	4408	
			Connect Conveyor (1200mm)	SJ Innotech	NEW	1,635	Each	2	3272	
			Connect Conveyor (700mm)	SJ Innotech	NEW	1,363	Each	1	3363	
			Unloader	SJ Innotech	NEW	5,909	Each	1	5909	
			Loader	SJ Innotech	OLD	1,000	Each	1	1000	
			Manual Insertion Conveyor (Chain Conveyor, 3000mm)	SJ Innotech	NEW	4,090	Each	1	4090	
			Manual Insertion Conveyor (Chain Conveyor, 2500mm)	SJ Innotech	OLD	600	Each	3	1800	
			Belt Conveyor (Belt Conveyor, 3500mm)	SJ Innotech	NEW	4,090	Each	1	4090	
			Belt Conveyor (Belt Conveyor, 3500mm)	SJ Innotech	OLD	680	Each	2	1360	
JD System	Korea	1	Connect Conveyor (Chain, 600mm)	SJ Innotech	NEW	1,900	Each	1	1900	60036
			Auto PCB V-Cutting M/C	JD System	New	60,036	Each	1	60036	
Sinmyung	Korea	1	Solder M/C	Sinmyung	New	48,200	Each	1	48200	36138
			(including Cooling C/V)	Sinmyung	New	48,200	Each	1	48200	
DITEK	Korea	1	Micom Writing	DITEK	OLD	36,138	Each	1	36138	36138

Import machinery Summary

Supplier based ordering details

New/Old Machine details

Supplier	Country	No of machines	Total Cost [USD]	Machine Variety	Total Qty	New	Old
Jinutec	Korea	10	864209		46	25	21
JD System	Korea	3	334907	Quantity	57	32	25
Mirae Industry	Korea	2	271814				
Panasonic	Singapore	1	257000				
HNP	Korea	1	166100				
LG&K	Korea	4	127932				
Testop	Korea	1	118730				
LG&P	Brazil	4	110956				
Mirtec	Korea	2	99822				
Euni	Korea	3	99223				
ETC	India	1	75292				
Sj innotech	Korea	21	65150				
Sinmyung	Korea	1	48200				
DITEK	Korea	2	36138				
\$S Supplier	\$ Country	\$S Machines	2,695,473 \$				

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NO	Approval Type	Status	Approved Date	Approved by / Comment
				MUKUL SAXENA (LGEIL REF - Prod. Engg / manager)
Approval	Approved	2017-09-23 14:20		Comment: New PCB Line In house manufacturing approval Main S upporting document (1) CEO Signed approval (2) HQ EP System Investment approval (3) HQ GP Master approval (4) HQ ROI and Investment budget document (5) HQ Detail Investment Report (6) Ordering summary and quotations ROHIT ARORA (LGEIL REF - Prod. Engg / d.g.m.) Comment: OK RAJEEV GARG (LGEIL General Procurement / a.g.m.) Comment: Checked with HQ GP, Re-used Machinery LG to LG Transfer (Standard Delegation) New Machinery purchase delegated by HQ GP to Changwon Factory Engineering Team. Considering business urgency and above facts the project is being delegated to end user team. VISHAL BANSAL (LGEIL Prod. Engg. / g.m.) Comment: ok, PCB in house manufacturing setup. ATUL MALHOTRA (LGEIL Manufacturing Engg. / g.m.) Comment: Ok. Agree. Need to meet the target completion date. DAVENDER SINGH (LGEIL Planning & Improvement Team / a.g.m.) Comment: agree - HQ initiated project - Additional budget for this activity /project to be allocated. - for local utility buying : need to follow the GP rule. BINAY DUBEY (LGEIL General Procurement / d.g.m.) Comment: Local purchase is taking care by GP All purchase taken care by korea team is delegated Lee Junkyu (Electronic Packaging Team / Senior Research Engineer) Comment: OK Changho Yang (Electronic Packaging Team / fse) Comment: Ok
Approval Line	Parallel	Approved	2017-09-23 14:29	
	Parallel	Approved	2017-09-23 15:10	
	Parallel	Approved	2017-09-23 15:16	
	Parallel	Approved	2017-09-23 15:24	
	Parallel	Approved	2017-09-23 16:39	
	Parallel	Approved	2017-09-23 15:20	
	Approval	Approved	2017-09-23 16:41	
	Approval	Approved	2017-09-23 16:46	

Approval	Approved	2017-09-23 17:20	Yongho Park (LGEIL FSE Production / Professional) Comment : PCB 투자를 위한 내부 집행 및 발주 품의 건입니다.
Approval	Approved	2017-09-23 17:30	ANIL KUMAR (LGEIL Factory Head - Noida / v.p.) Comment : OK. Do strong negotiations and keep project within time.
Approval	Approved	2017-09-23 17:36	HYO JAE LEE (LGEIL FSE Planning / Professional) Comment : Agree
Approval	Approved	2017-09-23 19:36	DEEPAK BANSAL (LGEIL Planning / senior g.m.) Comment : ok
Approval	Approved	2017-09-24 16:54	Tae Wan Kim (LGEIL Noida Manufacturing / President) Comment : ok
			Soocheol Kim (LGEIL CFO / Vice President/Division Leader)
Approval	Approved	2017-09-25 21:27	Delegation (approved) : Kim Min Seok (LGEIL FSE Finance & Accounts / 책임) Comment : OK

CC Lalit Kumar (LGEIL WMC - Prod. Engg / LOCAL EMPLOYEE)
MUKUL SAXENA (LGEIL REF - Prod. Engg / manager)

EDMS Doc Link

- ✚ APPROVAL.pdf
- ✚ final_Quotation_170922.zip
- ✚ HQ Detail Investment Report.pptx
- ✚ HQ EP System Investment Approval.pdf
- ✚ Korea GP Approval Detail & Machine specification.pptx
- ✚ Korea GP System Approval.pdf
- ✚ ROI and Investment Budget document & schedule.pdf
- ✚ Set-up 설비 정리_170922_Final.xlsx
- ✚ Signed sheet of CEO.pptx
- ✚ Summary_modify_170922_Final.pptx
- ✚ APPROVAL.pdf
- ✚ final_Quotation_170922.zip
- ✚ HQ Detail Investment Report.pptx
- ✚ HQ EP System Investment Approval.pdf
- ✚ Korea GP Approval Detail & Machine specification.pptx
- ✚ Korea GP System Approval.pdf
- ✚ ROI and Investment Budget document & schedule.pdf
- ✚ Set-up 설비 정리_170922_Final.xlsx
- ✚ Signed sheet of CEO.pptx
- ✚ Summary_modify_170922_Final.pptx

Attached Local Files

Created Date: 4 Dec, 2017 12:18 (Korea Time) Requested by: LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE.)

Subject: APPROVAL FOR MISCELLANEOUS EQUIPMENT/MACHINERY/TOOLS ECT FOR PCB LINE

Created Date: 4 Dec, 2017 12:18 (Korea Time)

Requested by: LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE.)

Subject	Miscellaneous Equipment/machinery/Tools etc for PCB Line
Item Details	Stencils for screen printer Power cable for 220 volt circuit Power distribution Panel General electrical Items Screw feeder
Purpose	Required for new PCB Line
	Local Investment budget of Ref
	Budget allocation has been reviewed in PCB Review meeting 31st Oct
Justification	Master approval already taken
Amount INR	549,647
Budget	Ref Investment budget 2017

No.	Item Description	Unit	Qty	Unit Nego Price	Amt (INR)	Supplier	Remark
1	Stencil with nano coating for screen printer	Each	6	8200	49200	Vision Stencils	OEM Supplier
2	Power cable 185 x4 sq mm flexible	Mtr	50	5137	256850	Baba Electricals	GP Approved
3	Power distribution panel for 220 Volt circuit	Each	1	48000	48000	JMR Controls	Lesser price
4	General Electrical consumables Items	Set	1	49597	49597	Chanda Electricals	Lesser price
5	Screw Feeder	Each	4	36500	146000	Arhan	Authorized supplier
Total (Rs)					549647		

* The Line Layout Date, Approval Date, Check Date is based on Korean standard time (KST+9)

Subject: APPROVAL FOR PCB LINE PRODUCTION SUPPORT ITEMS & LOCAL SCOPE FOR INSTALLATION & COMMISSIONING

Created Date 2017.11.25 15:08 (Korea Time)

Requested by LalitKumar(WMC - Prod. Engg\LOCAL EMPLOYEE)

Investment Approval

Div/Dept	Activity	Category	Amt	Investment Objective
PL	PCB require local scope for installation & Commissioning. Production support items: New machinery, critical spares parts.	Machinery, Tools	76K USD	New line setup, local scope

Purpose/ Detail

HC finalized PCB line setup in 2017. Now, considering major machinery and given budget of 32.72K\$ but local scope items are not considered in this budget so we have additional local budget of 180K\$.

Budget Status

180K\$	22K\$	232K\$ Balance
76K\$	76K\$	0K\$ Amt

PL Budget PL Utilization

Main Item Details

- Production support equipment (SMT Magazine, tools, VIZ Cooler)
- Dry oven for Microm storage
- Additional conveyors for as per new layout
- Solder mixing machine
- Electric & consumables required during installation
- Mechanical consumables required during installation
- Minor electrical fabrication/welding work

Note: - If investment budget to be utilized and cost is not change for consumables based on project requirement. - If approvals taken, whenever is applicable.

Benefit

- Required for new PCB Line setup and











Installation Location

- A Building



No.	Item Description	Unit	Qty	Unit Price	Amt (INR)	Amt (USD)	Supplier	Approval Status
1	Mezzanine Plat form for PCB Project	Set	1	486,864	486,864	7,056	AtLength Buildtech	Approval Done 72 K\$
2	Air Pipe Line Material	Set	1	317,587	317,587	4,603	Maniial Brother	
3	Air Pipe Line Work	Set	1	85,884	85,884	1,245	AtLength Buildtech	
4	Crane/Hydra for Local installation	Day	15	20,000	300,000	4,348	Kashyap Crane	
5	3 Phase Step Down Transfer 420 Volt /220 Volt	Unit	1	245,450	245,450	3,557	Servei Electrical	
6	Cable Laying work	Set	1	146,908	146,908	2,129	DDEE	
7	Hand Paliet Truck 2.5 Ton	Nos	4	13,500	54,000	783	Niikamal limited	
9	Exhaust system for PCB project	Set	1	1,186,043	1,186,043	17,189	Everest Aircon	
10	Local Installation Manpower	Set	1	1,000,000	1,000,000	14,493	Veenuthana	
11	IT Related Item (PC, Scanner , Printer)	Set	1	1,200,000	1,200,000	17,391	LG IT arrange	
12	10 Mtr Additional Control Box conveyor Line 1	Set	1	350,000	350,000	5,072	NKB Steel craft	Approval Raised 76 K\$
13		Set	1	500,000	500,000		NKB Steel craft	

	9.8 Mtr additional Conveyor for MI section Line 1					7,246	
15	6 Mtr additional chain Conveyor for Insertion area Line 1 MI section	Set	1	350,000	350,000	5,072	NKB Steel craft
16	16 Meter additional conveyor for Line 2 Control box assy	Set	1	650,000	650,000	9,420	NKB Steel craft
17	LS PLC for Line and IT Interlocking	Each	12	10,000	120,000	1,739	CECO/ Millenium
18	RAM scanner mounting for scanner	Each	40	2,000	80,000	1,159	UMR System
19	Emerson UPS installation charges	Set	1	40,000	40,000	580	OFFCOM
20	M18 Proximity Sensor	Each	60	1,150	69,000	1,000	Contrinex
21	Photo sensor	Each	10	3,500	35,000	507	Contrinex
22	Electrical general item ,(DB, Conduit, JB, Switch gear)	Set	1	252,000	252,000	3,652	Cabot
23	Relay & Accessories	Set	1	52,000	52,000	754	Explore
24	Pneumatic Pipes, FRL ,and fittings	Set	1	200,000	200,000	2,899	Festo
25	Spring balancer 3 KG	Each	25	2,000	50,000	725	Arhan
26	UPS Installation charges	Set	1	40,000	40,000	580	OFF COM
27	Micom room humidifier	Set	1	100,000	100,000	1,449	2 K Enginnering
28	SMT Magazine	Each	210	2,800	588,000	8,522	Electrosafe
29	Dehumidifier for Micom room	Set	2	150,000	300,000	4,348	2 K Enginnering
30	Dry Oven for Micom storage	Set	2	150,000	300,000	4,348	2 K Enginnering
31	VISI Cooler for solder	Each	1	50,000	50,000	725	2 K Enginnering
32	Solder Mixing machine	Set	1	150,000	150,000	2,174	Sumitron
33	Electric Tool	Set	5	32,000	160,000	2,319	Arhan
34	Fabrication & welding work	Set	1	150,000	150,000	2,174	SSS/Atlength
35	Digital Tension gauge STG 75 G for tension testing screen printer	Set	1	160,000	160,000	2,319	Technical Product
36	Other Miscellaneous item	Set	1	550,000	550,000	7,971	General
37	Micom Writing	Set	1	1,352,745	1,352,745	19,605	OTEC
38	Heatsink Auto Screw	Set	1	351,003	351,003	5,087	HNP
39	Screen Printer	Set	1	1,182,453	1,182,453	17,137	Panasonic
40	Inspection (SPI)	Set	1	175,950	175,950	2,550	Koyoung
41	Mount	Set	1	4,775,490	4,775,490	69,210	Panasonic (Jinutec)
42	Inspection (AOI)	Set	1	447,120	447,120	6,480	Mirtec
43	Axial/Radial	Set	1	1,420,986			

Approval
To Be
raised
232 K\$

				1,420,986	20,594	Panasonic (Jinutec)
44	Hybrid Placement & Insertion System - Main M/C	Set 1	4,936,329	4,936,329	71,541	Mirae Industry
45	Solder M/C (Including Cooling C/V)	Set 1	365,700	365,700	5,300	Sinmyung
46	Inspection (ICT)	Set 1	934,260	934,260	13,540	Testop ZOSYS
47	Conformal Coating - Coating Master	Set 1	8,473	8,473	123	Eunil
				INR	USD	
				26,269,245	380714	
					USD 380	
					K\$	

Approval Line	No	Approval Type	Status	Approved Date	Approved by / Comment
	1	결재	승인완료	2017.11.25 15:27	MUKUL SAXENA(LGEIL REF - Prod. Engg/manager) Comment: APPROVAL FOR PCB LINE PRODUCTION SUPPORT ITEMS & LOCAL SCOPE FOR INSTALLATION & COMMISSIONING
	2	결재	승인완료	2017.11.25 16:20	Ref Investment Budget to be used as per management direction KANAKKEEL PRAKASH(LGEIL REF - Prod. Engg/Part Leader) Comment: OK
	3	결재	승인완료	2017.11.27 06:51	RAKESH SOROUT(LGEIL Prod. Engg./Team Leader) Comment: OK for PCB line items within Budget
	4	결재	승인완료	2017.11.27 07:29	
	5	결재	승인완료	2017.11.27 07:31	ATUL MALHOTRA(LGEIL Manufacturing Engg./Part Leader) Comment: Ok REF investment budget to be utilized as per management guidelines 박재호(LGEIL FSE Production/책임) Comment: ok
	6	결재	승인완료	2017.11.27 08:18	DAVENDER SINGH(LGEIL Planning & Improvement Team/Team Leader) Comment: Agree - reviewed in PCB meeting
	7	결재	승인완료	2017.11.27 08:55	ANIL KUMAR(LGEIL Factory Head - Noida/Department Leader) Comment: OK
	8	결재	승인완료	2017.11.27 14:22	김성태(LGEIL FSE Planning/책임) Comment: Agree
	9	결재	승인완료	2017.11.28 08:08	DEEPAK BANSAL(LGEIL Planning/Department Leader) Comment: Within budget
	10	결재	승인완료	2017.11.28 12:59	김태환(LGEIL Noida Manufacturing/President)

Approval Line	No	Approval Type	Status	Approved Date	Approved by / Comment
	1	결재	승인완료	4 Dec, 2017 12:26	MUKUL SAXENA(LGEIL REF - Prod. Engg/manager) Comment: Miscellaneous item for PCB Line Master approval already taken
	2	결재	승인완료	4 Dec, 2017 12:27	KANAKKEEL PRAKASH(LGEIL REF & C&C - Prod. Engg/Part Leader) Comment: ok
	3	결재	승인완료	4 Dec, 2017 12:37	RAKESH SOROUT(LGEIL Prod. Engg./Team Leader) Comment: OK

4 결재 승인완료 4 Dec, 2017 13:01 ANIL KUMAR(LGEIL Factory Head - Noida/Department Leader)
Comment: OK.

CC LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE)
MUKUL SAXENA(LGEIL REF - Prod. Engg/manager)

Attached @ Chanda Electricals.rar
Files @ Main Sheet.xlsx
@ POWER DISTRIBUTION PANEL 100-4.xlsx
@ Quote - 470 - LG.pdf
@ APPROVAL FOR PCB LINE PRODUCTION SUPORT ITEMS LOCAL SCOPE FOR INSTALLATION
COMMISSIONING.msg
@ Baba Electricals - Copy.rar

EDMS	Retention	3 Year
Attributes	Access	*LG Electronics;*LGEIL WMC - Prod. Engg

Security Grade	Browse;Download
Permission	Browse;Download

Test Date: / / Date: / / Approved Date: / / Check Date: / / (is based on Korean standard time (GMT+9))

Subject APPROVAL FOR NEW PCB LINE LOCAL ELECTRICAL ITEMS

Created Date 5 Dec, 2017 13:51 (Korea Time)

Requested by LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE,)

Subject : New PCB Line local electrical item

S.No.	Item	Qty	Unit price	Cost (INR)	Supplier	Justification
1	Power Flexible cable 185 x 4 core	39	5,137	200,343	Baba Electricals	GP approval
2	Power Flexible cable 70 x 4 core	160	2,284	365,488	Baba Electricals	Under GP
3	SUS plate for soldring machine	2	80,660	161,320	Modren Engineering and Shri Bala Ji	Less price vendor
Total Amount (Rs.)				727,151		

File Name: LG Electronics - LG Electronics - LG Electronics - LG Electronics

Test Date 2017-09-23 14:18 (Korea Time)

Approved by Lalit Kumar (LGEIL WMC - Prod. Engg - LOCAL EMPLOYEE)

Subject APPROVAL FOR NOIDA PCB LINE IN HOUSE MANUFACTURING

Retention 3 Year

Security Grade Browse:Download

Tag UNUSE

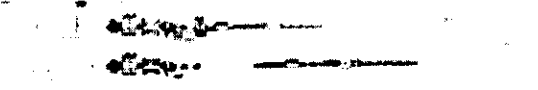
Access LG Electronics

Access 'LG Electronics:'LGEIL WMC - Prod. Engg

Permission Browse:Download

Details	Cost	Remarks
Total Project Cost	3272 K\$	
Machine / Equipment Cost	2699 K\$	PE Team Approval
Utilities Cost	573 K\$	Approval to be raised by FE Team
Breakup of Machine / Equipment Cost		
LG to LG Machine Transfer	1165 K\$	Old Machinery
New Machine / Equip Purchase	1534 K\$	New Machinery

Div/Dept	Activity	Category	Amt	Investment Objective
PE	Noida PCB line In house manufacturing investment	New Line Setup	3,272 K\$	Quality/ Productivity/ Safety/ Capacity/ New Model/ Part cost C/I Other

Detail		Benefit
In-house PCB Making and control box assembly (2 Lines) Preparation Line → SMT Line → IMT Line → PCBA Line Budget Status Machinery Cost 2699 K \$ Utility 573 K \$ Total investment 3,272 K\$ Note: Additional budget (120 K \$) is required for local scope like, Cable/ cable tray/Earthing/ Fume exhaust System Local installation Fee Machine local air connection UT Rack Note: Spare Parts cost (231 K\$) is not considered in approval, separate approval will be taken for machine spare parts		• Measures against increase in PCBA volume • Pyeongtaek idle facility utilization (SMT 1 Line) • Changwon idle facility utilization (coating, solder M / C inspect machine)
 PCB Line Layout		Time Schedule Approve: 25/09 → PO issue: 26/09 → POB: 15/10 → Transfer: 15/11 → Install: 30/11
ROI • 2.11 Years (Refer attach calculation sheet)		Installation Location  Area Used: 2,058m ² 12.4m × 166m ²

Annexure attached

- Signed sheet of CEO
- HQ Detail Investment Report
- HQ EP System Investment approval
- Korea GP System approval
- Korea GP approval detail & machine specification
- ROI and system budget information
- Ordering Summary

Import machinery Summary

Supplier based ordering details

Supplier	Country	No of machines	Total Cost (USD)
Jintec	Korea	10	884209
JD System	Korea	3	394907
Mirae Industry	Korea	1	271814
Panasonic	Singapore	1	257000
HNP	Korea	1	166100
US-A	Korea	4	127911
Factop	Korea	1	118710
LGESIP	Brazil	4	110956
Mirtec	Korea	2	99822
Eun	Korea	3	59323
ETC	India	1	75192
Si Innatech	Korea	11	65150
Samyoung	Korea	1	48100
D-TEP	Korea	1	26198

New/Old Machine details

Machine Variety	Total Qty	New	Old
	46	25	21
Quantity	57	32	25

NO	Approval Type	Status	Approved Date	Approved by / Comment
Approval Line	Approval	Approved	2017-09-23 14:20	MUKUL SAXENA (LGEIL REF - Prod. Engg / manager) Comment: New PCB Line In house manufacturing approval Main S upporting document (1) CEO Signed approval (2) HQ EP System Investment approval (3) HQ GP Master approval (4) HQ RQI and Investment budget document (5) HQ Detail Investment Report (6) Ordering summary and quotations
				ROHIT ARORA (LGEIL REF - Prod. Engg / d.g.m.) Comment: OK
	Parallel	Approved	2017-09-23 14:29	RAJEEV GARG (LGEIL General Procurement / a.g.m.) Comment: Checked with HQ GP. Re-used Machinery LG to LG Tra nsfer (Standard Delegation) New Machinery purchase delegated by HQ GP to Changwon Factory Engineering Team. Considering business urgency and above facts the project is being delegated t o end user team
				VISHAL BANSAL (LGEIL Prod. Engg / g.m.) Comment: ok. PCB in house manufacturing setup.
	Parallel	Approved	2017-09-23 15:10	ATUL MALHOTRA (LGEIL Manufacturing Engg. / g.m.) Comment: OK. Agree. Need to meet the target completion date.
				DAVENDER SINGH (LGEIL Planning & Improvement Team / a.g.m.)
	Parallel	Approved	2017-09-23 15:16	Comment: agree - HQ initiated project - Additional budget for this a ctivity (project to be allocated. - for local utility buying : need to foll ow the GP rule
				BINAY DUBEY (LGEIL General Procurement / d.g.m.) Comment: Local purchase is taking care by GP. All purchase taken care by korea team is delegated
	Approval	Approved	2017-09-23 15:24	Lee Junkyu (Electronic Packaging Team / Senior Research Engineer)
				Comment: OK Changho Yang (Electronic Packaging Team / fse) Comment: OK

Approval	Approved	2017-09-23 17:20	Yongho Park (LGEIL FSE Production / Professional) Comment: PCB 조자표 위한 내부 정책 및 발주 계획 건임니다.
Approval	Approved	2017-09-23 17:30	ANIL KUMAR (LGEIL Factory Head - Noida / v.p.) Comment: OK. Do strong negotiations and keep project within tim e.
Approval	Approved	2017-09-23 17:36	HYO JAE LEE (LGEIL FSE Planning / Professional) Comment: Agree
Approval	Approved	2017-09-23 19:36	DEEPAK BANSAL (LGEIL Planning / senior g.m.) Comment: ok
Approval	Approved	2017-09-24 16:54	Tae Wan Kim (LGEIL Noida Manufacturing / President) Comment: ok
Approval	Approved	2017-09-25 21:27	Soocheol Kim (LGEIL CFO / Vice President/Division Leader) Comment: Approved Kim Min Seok (LGEIL FSE Finance & Accounts / 전임) Comment: OK

No	Approval Type	Status	Approved Date	Approved by / Comment
Approval Line	결재	승인 완료	5 Dec, 2017 15:15	MUKUL SAXENA(LGEIL REF - Prod. Engg/manager) Comment: Cable and SUS Plate for PCB Line project
	결재	승인 완료	5 Dec, 2017 15:18	KANAKKEEL PRAKASH(LGEIL REF & C&C - Prod. Engg/Part Leader) Comment: ok
	결재	승인 완료	6 Dec, 2017 07:50	RAKESH SOROUT(LGEIL Prod. Engg./Team Leader) Comment: Ok
	결재	승인 완료	6 Dec, 2017 08:45	ANIL KUMAR(LGEIL Factory Head - Noida/Department Leader) Comment: OK.

CC LalitKumar(WMC - Prod. Engg/LOCAL EMPLOYEE)
MUKUL SAXENA(LGEIL REF - Prod. Engg/manager)

④ APPROVAL FOR PCB LINE PRODUCTION SUPORT ITEMS LOCAL SCOPE FOR INSTALLATION

COMMISSIONING.msg

Attached ④ Baba Electricals - Copy.rar

Files ④ Chanda Electricals.rar

④ Main Sheet.xlsx

④ POWER DISTRIBUTION PANEL 100-4.xlsx

④ Quote - 470 - LG.pdf

EDMS	Retention	3 Year
Attributes	Access	*LG Electronics;*LGEIL WMC - Prod. Engg

Security Grade
Permission

Browse;Download
Browse;Download

CNTR_NO : IL-CT171000053

Contract	
Contract Number :	IL-CT171000053
Contract Date :	2017 / 10 / 17 (YYYY/MM/DD)
Contract Name :	Cu Flexible Power Cable

Buyer : LG Electronics India Private Limited

A Wing , (3rd Floor) , D -3 District center , Saket , New Delhi -110017

CEO : Kim, Kiwan

Supplier : BABA ELECTRICALS

2098/119, BEHIND JUBLEE CINEMA, BHAGIRATH PALACE, DELHI - 1100062077 1ST FLOOR, CHAH INDRA MARKET BHAGIRATH PLACE DELHI-110006

Representative : SANJAY AGARWAL

Contract Amount	(INR) 1,595,550.00
Contract Period	2017 / 10 / 17 ~ 2017 / 12 / 31 (YYYY/MM/DD)

Purchase Details

No.	Item Code	Name and Specification				
		Curr.	Qty.	Unit	Unit Price	Amount
1		Power cable 2.5x4 sq mm flexible				
		INR	2000.00	Meter	61.20	122,400.00
2		Power cable 4.0x4 sq mm flexible				
		INR	1500.00	Meter	93.00	139,500.00
3		Power cable 6.0x4sq mm flexible				
		INR	600.00	Meter	133.00	79,800.00
4		Power cable 16x4 sq mm flexible				
		INR	100.00	Meter	380.00	38,000.00
5		Power cable 70x4 sq mm flexible				
		INR	500.00	Meter	1,918.00	959,000.00
6		Power cable 185x4 sq mm flexible				
		INR	50.00	Meter	5,137.00	256,850.00