PT. Tetra Pak Indonesia
Tetra Pak Building Lt.2
Jl. Buncit Raya Kav 100
Pasar Minggu, Jakarta Selatan
Indonesia

Date : September 5, 2017

Attention : <u>Bpk. Irwan Gunawan</u>

Subject : RFQ Panel Glico Wings
Quotation No: BMKN-QC-17-09-005

Dear Pak Irwan,

Refer to your request regarding Control Panel Supply, herewith we send you the quotation with
Quotation No: BMKN-QC-17-09-005

For an overview, prices and general conditions, we refer to these pages which are enclosed in this
quotation.

When you have any questions about this quotation, please don't hesitate to call or Email us.

In the hope we made you a suitable offer we remain.

Yours sincerely,

Revrandy F. K. Hutapea
PT. Bintang Mas Karya Nusantara

SCOPE OF SUPPLY

With refer to documents below
1. Email with subject "RFQ Panel", date Wed 8/30/2017 6:12 PM
2. RFQ Panel.word
3. 'SG-102116073-4201_01_MCC1_X02G01'
4. "SG-10216073-5355-01-RIO-5 A01T05

The scope of supply are
- RIO and MCC Panels

There are 6 panels i.e.
Panel 1:
RIO Panel Glucose and Oil

Panel 2:
RIO Panel CIP

Panel 3:
RIO Panel Ageing

Panel 4:
MCC Panel Ageing

Panel 5:
MCC Panel CIP

Panel 6:
Panel Penumatic

Materials are supplied as below
1. Panel Material SS 304
2. Profibus module Siemens
3. Siemens RIO ET200S (channel number calculated from RFQ file)
4. Motor started from Schneider
5. Power Supply Unit 24VDC from Schneider
6. Main Switch From Schneider or Moeller
7. Panel Enclosure from Rittal or Equivalent
8. Electrical components from Schneider
9. Terminals from Phoenix Contact
10. Inverter from Schneider

Break down detail of BOM at the last page

SERVICE SCOPE

1. Electrical Drawing and Documentation
2. Panel Assembly and Production
3. Panel Testing

OUT OF SCOPE

1. All not mentioned in this quotation
2. **Installation Materials**
3. **Panel Support**
4. All Documentations except Electrical drawing, material list and Programming Back up

PRICE AND CONDITION

1. Panel Supply

No.	Description	Manufacture	Qty	Unit	Unit Price	Total Price
1	RIO Panel Glucose and Oil	BMKN	1	pcs	121,299,000	121,299,000
2	RIO Panel CIP	BMKN	1	pcs	128,495,000	128,495,000
3	RIO Panel Ageing	BMKN	1	pcs	178,075,000	178,075,000
4	MCC Panel Ageing	BMKN	1	pcs	458,051,000	458,051,000
5	MCC Panel CIP	BMKN	1	lot	156,222,000	156,222,000
6	Panel Pneumatic	BMKN	1	lot	35,971,000	35,971,000
					TOTAL PRICE (IDR)	**1,078,113,000**

2. Panel Production Cost

No.	Description	Manufacture	Qty	Unit	Unit Price	Total Price
1	RIO Panel Glucose and Oil	BMKN	1	pcs	19,800,000	19,800,000
2	RIO Panel CIP	BMKN	1	pcs	19,800,000	19,800,000
3	RIO Panel Ageing	BMKN	1	pcs	23,100,000	23,100,000
4	MCC Panel Ageing	BMKN	1	pcs	24,750,000	24,750,000
5	MCC Panel CIP	BMKN	1	lot	23,100,000	23,100,000
6	Panel Pneumatic	BMKN	1	lot	3,850,000	3,850,000
					TOTAL PRICE (IDR)	**114,400,000**

CONDITION:

1. Payment Terms : 30% DP, 70% after delivery Net 30 days
2. Invoices shall be paid in IDR
3. All prices and invoices are excluding VAT
4. Delivery time: 4-8 weeks After PO received
5. Delivery Panel to Tetra Pak Indonesia Office
6. Validity: 3 weeks after date of this quote

APPENDIX:

RIO Panel Glucose and Oil

No.	Description	Prod Id	Manufacture	Qty	Unit
1	Panel SS 304 (HxWxD) 1600x600x400	SE 5850.500	Rittal	1	pcs
2	Door Limit Switch		Siemens	1	pcs
3	Panel Lamp 220V	SZ 4140.010	Rittal	1	pcs
4	Power Socket	A9A15307	Schneider	1	pcs
5	Fan (230V, 50/60 Hz), Cut out size 224X224.	SK.3241.100	Rittal	1	pcs
6	Filter Cut out size 224X224.	SK.3240.200	Rittal	1	pcs
7	Side Panel Rotary Switch 16A		Moeller/eaton	1	pcs
8	Cable Gland M10	Lapp	Lapp	50	pcs
9	Cable Gland M16	Lapp	Lapp	10	pcs
10	Cable Gland M20	Lapp	Lapp	5	pcs
11	Simatic ET200S, IM151-1	6ES7151-1AA05-0AB0	Siemens	1	pcs
12	Simatic ET200S, Power Module	6ES7138-4CA01-0AA0	Siemens	3	pcs
13	Simatic ET200S, 8 DI	6ES7131-4BF00-0AA0	Siemens	8	pcs
14	Simatic ET200S, 8 DO	6ES7132-4BF00-0AA0	Siemens	6	pcs
15	Simatic ET200S, 4 AI	6ES7134-4GD00-0AB0	Siemens	2	pcs
16	Simatic ET200S, 2 AO	6ES7135-4GB01-0AB0	Siemens	2	pcs
17	Simatic ET200S, Terminal module for PM	6ES7193-4CD20-0AA0	Siemens	3	pcs
18	Simatic ET200S, Terminal module; 1 pack = 5 pcs	6ES7193-4CB20-0AA0	Siemens	16	pcs
19	Power Supply 24VDC 10A	ABL1RPM24100	Schneider	1	pcs
20	MCB 2 pole 10A iC60H	A9F84210	Schneider	1	pcs
21	MCB 2 pole 6A iC60H	A9F84206	Schneider	1	pcs
22	MCB 1 pole 10A iC60H	A9F84110	Schneider	1	pcs
23	MCB 1 pole 4A iC60H	A9F84104	Schneider	5	pcs
24	MCB 1 pole 2A iC60H	A9F84102	Schneider	7	pcs
25	RCCB 25A, 30mA	A9R71225	Schneider	1	pcs
26	Power Filter 10A	ZL-10A-D2	EMI	1	pcs
27	Grey color, Size 2.5 mm, Double layer	3044636	Phoenix Contact	70	pcs
28	PE Terminal, 2.5 mm	3044092	Phoenix Contact	15	pcs
29	Terminal End plate D-UT 2.5/10 Gray	3047028	Phoenix Contact	10	pcs
30	End cover - D-UTTB 2.5/4 End plate 2.5 mm, 2 layer	3047293	Phoenix Contact	10	pcs
31	Fuse Terminal Block	3000542	Phoenix Contact	45	pcs
32	End Cover Fuse Terminal	3000543	Phoenix Contact	5	pcs
33	Fuse 2A		Lokal	45	pcs
34	Cable Duct		Lokal	4	lot
35	Panel Accessories, Cables, etc		BMKN	1	lot

RIO Panel CIP

No.	Description	Prod Id	Manufacture	Qty	Unit
1	Panel SS 304 (HxWxD) 1600x600x400	SE 5850.500	Rittal	1	pcs
2	Door Limit Switch		Siemens	1	pcs
3	Panel Lamp 220V	SZ 4140.010	Rittal	1	pcs
4	Power Socket	A9A15307	Schneider	1	pcs
5	Fan (230V, 50/60 Hz), Cut out size 224X224.	SK.3241.100	Rittal	1	pcs
6	Filter Cut out size 224X224.	SK.3240.200	Rittal	1	pcs
7	Side Panel Rotary Switch 16A		Moeller/eaton	1	pcs
8	Cable Gland M10	Lapp	Lapp	1	pcs
9	Cable Gland M16	Lapp	Lapp	1	pcs
10	Cable Gland M20	Lapp	Lapp	1	pcs
11	Simatic ET200S, IM151-1	6ES7151-1AA05-0AB0	Siemens	1	pcs
12	Simatic ET200S, Power Module	6ES7138-4CA01-0AA0	Siemens	4	pcs
13	Simatic ET200S, 8 DI	6ES7131-4BF00-0AA0	Siemens	8	pcs

No.	Description	Prod Id	Manufacture	Qty	Unit
14	Simatic ET200S, 8 DO	6ES7132-4BF00-0AA0	Siemens	6	pcs
15	Simatic ET200S, 4 AI	6ES7134-4GD00-0AB0	Siemens	4	pcs
16	Simatic ET200S, 2 AO	6ES7135-4GB01-0AB0	Siemens	3	pcs
17	Simatic ET200S, Terminal module for PM	6ES7193-4CD20-0AA0	Siemens	4	pcs
18	Simatic ET200S, Terminal module; 1 pack = 5 pcs	6ES7193-4CB20-0AA0	Siemens	20	pcs
19	Power Supply 24VDC 10A	ABL1RPM24100	Schneider	1	pcs
20	MCB 2 pole 10A iC60H	A9F84210	Schneider	1	pcs
21	MCB 2 pole 6A iC60H	A9F84206	Schneider	1	pcs
22	MCB 1 pole 10A iC60H	A9F84110	Schneider	1	pcs
23	MCB 1 pole 4A iC60H	A9F84104	Schneider	5	pcs
24	MCB 1 pole 2A iC60H	A9F84102	Schneider	10	pcs
25	RCCB 25A, 30mA	A9R71225	Schneider	1	pcs
26	Power Filter	ZL-10A-D2	EMI	1	pcs
27	Grey color, Size 2.5 mm, Double layer	3044636	Phoenix Contact	80	pcs
28	PE Terminal, 2.5 mm	3044092	Phoenix Contact	15	pcs
29	Terminal End plate D-UT 2.5/10 Gray	3047028	Phoenix Contact	10	pcs
30	End cover - D-UTTB 2.5/4 End plate 2.5 mm, 2 layer	3047293	Phoenix Contact	10	pcs
31	Fuse Terminal Block	3000542	Phoenix Contact	50	pcs
32	End Cover Fuse Terminal	3000543	Phoenix Contact	5	pcs
33	Fuse 2A		Lokal	50	pcs
34	Cable Duct		Lokal	1	lot
35	Panel Accessories, Cables, etc		BMKN	1	lot

RIO Panel Ageing

No.	Description	Prod Id	Manufacture	Qty	Unit
1	Panel SS 304 (HxWxD) 1800x800x500	SE 5852.500	Rittal	1	pcs
2	Door Limit Switch		Siemens	1	pcs
3	Panel Lamp 220V	SZ 4140.010	Rittal	1	pcs
4	Power Socket	A9A15307	Schneider	1	pcs
5	Fan (230V, 50/60 Hz), Cut out size 224X224.	SK.3241.100	Rittal	1	pcs
6	Filter Cut out size 224X224.	SK.3240.200	Rittal	1	pcs
7	Side Panel Rotary Switch 25A		Moeller/eaton	1	pcs
8	Cable Gland M10	Lapp	Lapp	1	pcs
9	Cable Gland M16	Lapp	Lapp	1	pcs
10	Cable Gland M20	Lapp	Lapp	1	pcs
11	Simatic ET200S, IM151-1	6ES7151-1AA05-0AB0	Siemens	1	pcs
12	Simatic ET200S, Power Module	6ES7138-4CA01-0AA0	Siemens	5	pcs
13	Simatic ET200S, 8 DI	6ES7131-4BF00-0AA0	Siemens	19	pcs
14	Simatic ET200S, 8 DO	6ES7132-4BF00-0AA0	Siemens	10	pcs
15	Simatic ET200S, 4 AI	6ES7134-4GD00-0AB0	Siemens	8	pcs
16	Simatic ET200S, 2 AO	6ES7135-4GB01-0AB0	Siemens	2	pcs
17	Simatic ET200S, Terminal module for PM	6ES7193-4CD20-0AA0	Siemens	5	pcs
18	Simatic ET200S, Terminal module; 1 pack = 5 pcs	6ES7193-4CB20-0AA0	Siemens	35	pcs
19	Power Supply 24VDC 20A	ABL8RPM24200	Schneider	1	pcs
20	MCB 2 pole 20A iC60H	A9F84220	Schneider	1	pcs
21	MCB 2 pole 6A iC60H	A9F84206	Schneider	2	pcs
22	MCB 1 pole 20A iC60H	A9F84120	Schneider	1	pcs
23	MCB 1 pole 4A iC60H	A9F84104	Schneider	8	pcs
24	MCB 1 pole 2A iC60H	A9F84102	Schneider	12	pcs
25	RCCB 25A, 30mA	A9R71225	Schneider	1	pcs
26	Power Filter	ZL-20A-D2	EMI	1	pcs
27	Grey color, Size 2.5 mm, Double layer	3044636	Phoenix Contact	100	pcs
28	PE Terminal, 2.5 mm	3044092	Phoenix Contact	20	pcs
29	Terminal End plate D-UT 2.5/10 Gray	3047028	Phoenix Contact	20	pcs
30	End cover - D-UTTB 2.5/4 End plate 2.5 mm, 2 layer	3047293	Phoenix Contact	20	pcs

No.	Description	Prod Id	Manufacture	Qty	Unit
31	Fuse Terminal Block	3000542	Phoenix Contact	60	pcs
32	End Cover Fuse Terminal	3000543	Phoenix Contact	5	pcs
33	Fuse 2A		Lokal	60	pcs
34	Cable Duct		Lokal	1	lot
35	Panel Accessories, Cables, etc		BMKN	1	lot

MCC Panel Ageing

No.	Description	Prod Id	Manufacture	Qty	Unit
1	Panel SS (HxWxD) 1800X1200X500	TS.8453.600	Rittal	1	pcs
2	Side panel SS (HxD) 1800x500	TS.8700.850	Rittal	1	pcs
3	Door Limit Switch		Siemens	2	pcs
4	Panel Lamp 220V	SZ 4140.010	Rittal	1	pcs
5	Power Socket	A9A15307	Schneider	3	pcs
6	Fan (230V, 50/60 Hz), Cut out size 224X224.	SK.3241.100	Rittal	1	pcs
7	Filter Cut out size 224X224.	SK.3240.200	Rittal	1	pcs
8	Main Switch NSX 100, T63D, 44.1~63 A		Schneider	1	pcs
9	Accessories Main Switch		Schneider	1	pcs
10	Cable Gland M16	Lapp	Lapp	25	pcs
11	Cable Gland M20	Lapp	Lapp	10	pcs
12	Inverter 2.2kW	Altivar 610	Schneider	8	pcs
13	Profibus Adapter		Schneider	8	pcs
14	Profibus DP Connector		Siemens	8	pcs
15	Motor Breaker 2.2kW	GV2ME10	Schneider	8	pcs
16	Motor Contactor 2.2kW	LC1D09BD	Schneider	8	pcs
17	Accessories Motor Breaker 2.2kW		Schneider	8	ea
18	Inverter 1.5kW	Altivar 610	Schneider	4	pcs
19	Profibus Adapter		Schneider	4	pcs
20	Profibus DP Connector		Siemens	4	pcs
21	Motor Breaker 1.5kW	GV2ME08	Schneider	4	pcs
22	Motor Contactor 1.5kW	LC1D09BD	Schneider	4	pcs
23	Accessories Motor Breaker 1.5kW		Schneider	4	ea
24	Trafo 380~220 VAC, 2kVA		Takashiba	1	pcs
25	Power Supply 24VDC 20A	ABL8RPM24200	Schneider	1	pcs
26	MCB 2 pole 20A iC60H	A9F84220	Schneider	2	pcs
27	MCB 2 pole 6A iC60H	A9F84206	Schneider	4	pcs
28	MCB 1 pole 20A iC60H	A9F84120	Schneider	8	pcs
29	MCB 1 pole 6A iC60H	A9F84106	Schneider	10	pcs
30	MCB 1 pole 4A iC60H	A9F84104	Schneider	12	pcs
31	MCB 1 pole 2A iC60H	A9F84102	Schneider	10	pcs
32	RCCB 25A, 30mA	A9R71225	Schneider	3	pcs
33	Power Filter	ZL-20A-D2	EMI	2	pcs
34	Feed-through terminal block - UT4	3044102	Phoenix Contact	24	pcs
35	Ground modular terminal block - UT 4-MTD-PE/S	3046207	Phoenix Contact	6	pcs
36	Feed-through terminal block - UT 6	3044131	Phoenix Contact	15	pcs
37	Ground modular terminal block - UT 6 PE	3044157	Phoenix Contact	5	pcs
38	Grey color, Size 2.5 mm, Double layer	3044636	Phoenix Contact	100	pcs
39	PE Terminal, 2.5 mm	3044092	Phoenix Contact	20	pcs
40	Terminal End plate D-UT 2.5/10 Gray	3047028	Phoenix Contact	15	pcs
41	End cover - D-UTTB 2.5/4 End plate 2.5 mm, 2 layer	3047293	Phoenix Contact	20	pcs
42	Fuse Terminal Block	3000542	Phoenix Contact	65	pcs
43	End Cover Fuse Terminal	3000543	Phoenix Contact	5	pcs
44	Fuse 2A		Lokal	65	pcs
45	Cable Duct		Lokal	1	lot
46	Panel Accessories, Cables, etc		BMKN	1	lot

MCC Panel CIP

No.	Description	Prod Id	Manufacture	Qty	Unit
1	Panel SS (HxWxD) 1800X800X500	TS.8455.600	Rittal	1	pcs
2	Side panel SS (HxD) 1800x500	TS.8700.850	Rittal	1	pcs
3	Door Limit Switch		Siemens	2	pcs
4	Panel Lamp 220V	SZ 4140.010	Rittal	1	pcs
5	Power Socket	A9A15307	Schneider	3	pcs
6	Fan (230V, 50/60 Hz), Cut out size 224X224.	SK.3241.100	Rittal	1	pcs
7	Filter Cut out size 224X224.	SK.3240.200	Rittal	1	pcs
8	Main Switch NSX 100, T32D, 22.4~32 A		Schneider	1	pcs
9	Accessories Main Switch		Schneider	1	pcs
10	Cable Gland M16	Lapp	Lapp	25	pcs
11	Cable Gland M20	Lapp	Lapp	10	pcs
12	Inverter 7.5kW	Altivar 610	Schneider	2	pcs
13	Profibus Adapter		Schneider	2	pcs
14	Profibus DP Connector		Siemens	2	pcs
15	Motor Breaker 7.5kW	GV2ME08	Schneider	2	pcs
16	Motor Contactor 7.5kW	LC1D09BD	Schneider	2	pcs
17	Accessories Motor Breaker 7.5kW		Schneider	2	ea
18	Trafo 380~220 VAC, 1kVA		Takashiba	1	pcs
19	Power Supply 24VDC 20A	ABL8RPM24200	Schneider	1	pcs
20	MCB 2 pole 20A iC60H	A9F84220	Schneider	2	pcs
21	MCB 2 pole 6A iC60H	A9F84206	Schneider	4	pcs
22	MCB 1 pole 20A iC60H	A9F84120	Schneider	8	pcs
23	MCB 1 pole 6A iC60H	A9F84106	Schneider	10	pcs
24	MCB 1 pole 4A iC60H	A9F84104	Schneider	12	pcs
25	MCB 1 pole 2A iC60H	A9F84102	Schneider	10	pcs
26	RCCB 25A, 30mA	A9R71225	Schneider	3	pcs
27	Power Filter	ZL-20A-D2	EMI	2	pcs
28	Feed-through terminal block - UT4	3044102	Phoenix Contact	15	pcs
29	Ground modular terminal block - UT 4-MTD-PE/S	3046207	Phoenix Contact	5	pcs
30	Feed-through terminal block - UT 6	3044131	Phoenix Contact	12	pcs
31	Ground modular terminal block - UT 6 PE	3044157	Phoenix Contact	4	pcs
32	Grey color, Size 2.5 mm, Double layer	3044636	Phoenix Contact	60	pcs
33	PE Terminal, 2.5 mm	3044092	Phoenix Contact	20	pcs
34	Terminal End plate D-UT 2.5/10 Gray	3047028	Phoenix Contact	15	pcs
35	End cover - D-UTTB 2.5/4 End plate 2.5 mm, 2 layer	3047293	Phoenix Contact	20	pcs
36	Fuse Terminal Block	3000542	Phoenix Contact	65	pcs
37	End Cover Fuse Terminal	3000543	Phoenix Contact	5	pcs
38	Fuse 2A		Lokal	65	pcs
39	Cable Duct		Lokal	1	lot
40	Panel Accessories, Cables, etc		BMKN	1	lot

MCC Panel CIP

No.	Description	Prod Id	Manufacture	Qty	Unit
1	Panel SS 304 (HxWxD) 300x300x210	AE 1003.600	Rittal	1	pcs
2	Cable Gland M10	Lapp	Lapp	5	pcs
3	Cable Gland M16	Lapp	Lapp	2	pcs
4	Cable Gland M20	Lapp	Lapp	1	pcs
5	Solenoid Block Valve w/ profibus + Accessories Fitting	16 Valve	Festo	1	pcs
6	MCB 1 pole 6A iC60H	A9F84106	Schneider	5	pcs
7	Grey color, Size 2.5 mm, Double layer	3044636	Phoenix Contact	15	pcs
8	PE Terminal, 2.5 mm	3044092	Phoenix Contact	3	pcs
9	Terminal End plate D-UT 2.5/10 Gray	3047028	Phoenix Contact	3	pcs
10	End cover - D-UTTB 2.5/4 End plate 2.5 mm, 2 layer	3047293	Phoenix Contact	3	pcs

11	Fuse Terminal Block	3000542	Phoenix Contact	5	pcs
12	End Cover Fuse Terminal	3000543	Phoenix Contact	1	pcs
13	Fuse 2A		Lokal	5	pcs
14	Cable Duct		Lokal	1	lot
15	Panel Accessories, Cables, etc		BMKN	1	lot