



N.K. CONTROL SYSTEMS

NSIC & CPRI ISO 9001-2008 CERTIFIED

Manufactures of Electrical control panel, Power control panel, Distribution Board, AMF panel, APFC Panel, MCC panel, Synchronous panel, servo etc.

**Plot No. 16/1Gali No.9,Krishna Colony,Near Bharat Dharam Kanta,Sec.25,Faridabad (H.R.)
Email ID : nkcontrolsystemsblb@yahoo.com,Website:-www.nkcontrolsystems.com**

Ref. No:- NKCS/198R1/OF/2023-24

Date- 21-03-2024

M/S:- SM INFRA SERVICE LLP

ADD ;- FARIDABAD (HARYANA)

SUBJECT:- Your enquiry for MAIN LT Panels

Kind Attn. Mr. A.S. RAWAT

MAIL ID:-elecdesignteam@gmail.com

Ph. No- 09717470275

Dear Sir,

We thank you very much for your above referred enquiry of subject requirement of Electrical Panels .We feel pleasure in giving you a suitable proposal as per your requirement for the aforesaid.

We trust that you will find our offer in line with your requirement and looking forward for your valued order. If you need any clarification please feel free to contact us .

Thanking you,

yours faithfully,
for N.K. CONTROL SYSTEMS

Sl.	Item Name	Rating	Make	Qty	Unit
	MAIN LT PANEL				
\	Incoming:-				
	36kA 4P MCCB with Thermal Magnetic Release, O/L, S/C Protection (DN2-250D)	160A	L&T	1	No.
	Spreader Terminal for Above MCCB	160A	L&T	1	No.
	Spreader Terminal for Above MCCB	160A	L&T	1	No.
	Shunt Release for Above MCCB 230VAC	160A	L&T	1	No.
	Phase Indicating Lamp RYB	220V AC	ESBEE	1	Set
	Digital Multifunction Meter , CL-1 without RS485 Port or Equivalent (EM 6400NG)		CONZERV	1	No.
	3PH. Digital Amp Meter , CL-1 96 sq mm		CONZERV	1	No.
	Current Transformer CL-1, 15VA	200/5A	AE	4	Nos.
	Earth Leakage with CBCT FLUSH MTG.		PROCOM	1	No.
	Digital Under/Over Voltage Relay Din Rail MTG.		GIC	1	No.
	SMPS I/P-240VAC O/P-24VDC		GIC	1	No.
	GLASS RELAY 24VDC		SALZER	1	No.
	10kA SP MCB for Control	2A	L&T	4	Nos.
	Outgoing:-				
	MCBs				
	10kA DP MCB C-CURVE	16A	L&T	2	Nos.
	10kA DP MCB C-CURVE	25A	L&T	1	No.
	10kA DP MCB C-CURVE	32A	L&T	4	Nos.
	10kA DP MCB C-CURVE	40A	L&T	1	No.
	10kA FP MCB C-CURVE	25A	L&T	1	No.
	10kA FP MCB C-CURVE	32A	L&T	1	No.
	10kA FP MCB C-CURVE	63A	L&T	1	No.
	POWER T.B.		CWELL/EQ.	28	Nos.
	RCBOs				
	FP RCBO 100mA	63A	L&T	2	Nos.
	FP RCBO 100mA	40A	L&T	1	No.
	POWER T.B.		CWELL/EQ.	12	Nos.
	Starter Feeder Outgoings:-				
	2.2KW DOL Starter SCRUBBER PUMP				
	10kA FP MCB C-CURVE	25A	L&T	1	No.
	TP Contactor with 230V AC Coil	18A	L&T	1	No.
	Add on Block-1NO+1NC		L&T	1	No.
	O/L Relay MN2	6.0-10.0A	L&T	1	No.
	ON/OFF Indicating Lamp	220V AC	ESBEE	2	Nos.
	Start/Stop Push Button with Contact	220V AC	ESBEE	2	Nos.
	Auto Manual Selector Switch (1 P 2 W)	6A	Salzer	1	No.
	TIMER		GIC	1	No.
	POWER T.B.		CWELL/EQ.	3	Nos.
	CONTROL T.B.		CWELL/EQ.	10	Nos.
	1.5KW DOL Starter AIRWASHER UNIT				
	10kA FP MCB C-CURVE	25A	L&T	1	No.
	TP Contactor with 230V AC Coil	18A	L&T	1	No.

	Add on Block-1NO+1NC		L&T	1	No.
	O/L Relay MN2	6.0-10.0A	L&T	1	No.
	ON/OFF Indicating Lamp	220V AC	ESBEE	2	Nos.
	Start/Stop Push Button with Contact	220V AC	ESBEE	2	Nos.
	Auto Manual Selector Switch (1 P 2 W)	6A	Salzer	1	No.
	TIMER		GIC	1	No.
	POWER T.B.		CWELL/EQ.	3	Nos.
	CONTROL T.B.		CWELL/EQ.	10	Nos.
	2.2KW DOL Starter AHU-1				
	10kA FP MCB C-CURVE	25A	L&T	1	No.
	TP Contactor with 230V AC Coil	18A	L&T	1	No.
	Add on Block-1NO+1NC		L&T	1	No.
	O/L Relay MN2	6.0-10.0A	L&T	1	No.
	ON/OFF Indicating Lamp	220V AC	ESBEE	2	Nos.
	Start/Stop Push Button with Contact	220V AC	ESBEE	2	Nos.
	Auto Manual Selector Switch (1 P 2 W)	6A	Salzer	1	No.
	TIMER		GIC	1	No.
	POWER T.B.		CWELL/EQ.	3	Nos.
	CONTROL T.B.		CWELL/EQ.	10	Nos.
	<u>GENERAL ITEMS</u>				
1	PANEL BODY MADE OUT OF 2MM / 1.6MM THICK CRCA SHEET STEEL DULY POWDER COATED	NKCS			
	PANEL SIZE (APPROX.)- 1800Hx1300Wx350D FLOOR MOUNTED WITH 75X40X5 MM BASE FRAME				
2	HARDWARE & LEGEND ETC.				
3	ACYRILIC SHEET,BAKELLITE,FERRUAL ETC				
4	PVC WIRING,LUGS, FERRULES ETC.				
5	200A AL BUSBAR WITH DMC SUPPORT DULY SLEEVED WITH HEAT SHRINKABLE PVC SLEEVE SUITABLE SIZE OF EARTHING BUS IN THE PANEL INCLUDED				

DETAILED TECHNICAL SPECIFICATIONS:

The panel will be of low tension, indoor type, floor mounting, dust and vermin proof with IP54 protection and bus bar of **Electro grade Aluminium** suitable for 3 phase 4 wire supply. The panel will be designed for front access and cable entry from **top/bottom**. Bus bars will be insulated with heat shrinkable PVC colour code s
The panel is made out of 14/16 thk. CRCA sheets, PRE-TREATED and POWDER COATED with Siemens gray shade REAL 7035.

TESTING :

The following tests shall be carried out in presence of your representative at our site.

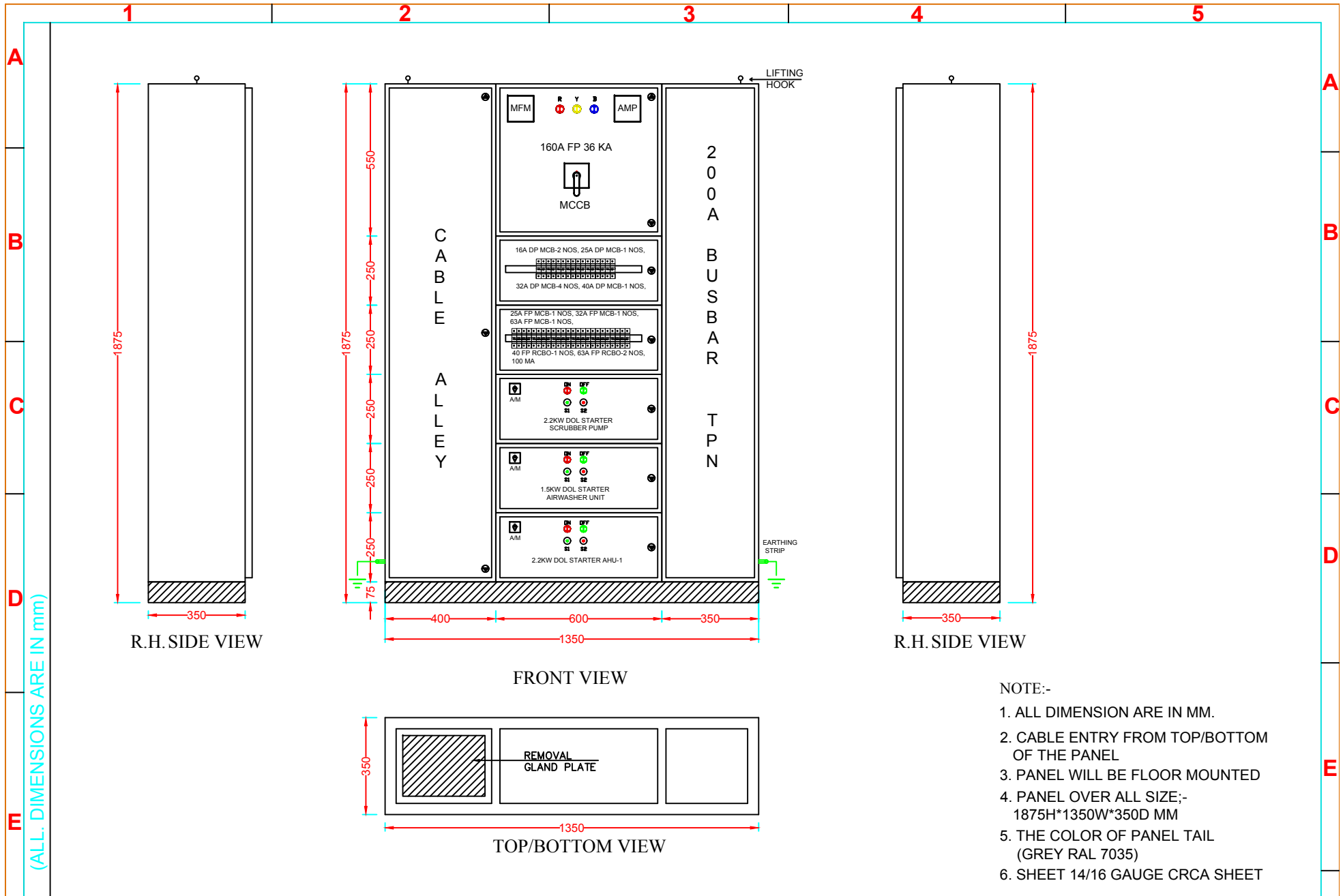
- Operational and functional tests
- Insulation test using 1KV megger
- H.V. test of 2.5 K.V. for one minute
- Load test up to rated current with loading transformer

COMMON NOTES:-

- Control wiring all copper wires (**POLYCAB/REPUTED**).
- Busbar will be provided with heat shrinkable colour code PVC sleeve.
- All meters will be of size(minimum) 96 x 96 mm.
- Each Compartment will be labelled with aluminium anodised engraved labels as per specifications.
- All Switchgears used will be as per BOQ.

PAYMENT TERMS:-

- GST & FREIGHT CHARGE WILL BE EXTRA AS PER APPLICABLE
- 50% ADVANCE AGAINST THE ORDER & 50% BEFORE DELIVERY




ALL DIMENSIONS ARE IN MM

- NOTE:-
1. ALL DIMENSION ARE IN MM.
 2. CABLE ENTRY FROM TOP/BOTTOM OF THE PANEL
 3. PANEL WILL BE FLOOR MOUNTED
 4. PANEL OVER ALL SIZE;- 1875H*1350W*350D MM
 5. THE COLOR OF PANEL TAIL (GREY RAL 7035)
 6. SHEET 14/16 GAUGE CRCA SHEET

PANEL SIZE (IN MM)	HEIGHT	1875	QUANTITY	01.NO
	WIDTH	1350	MOUNTING	FLOOR
	DEPTH	350	DETAIL	
TITLE: MAIN LT PANEL				
	NAME	DATE	NO. OF SHEET	DATE
DRAWN	Satish		1/1	21.03.2024
CHEKED	N.K			
APPD.	N.K			

MANUFACTURER:



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Plot No. 16/1Gali No.9, Krishna Colony, Near Bharat Dharam Kanta, Sec.25, Faridabad (H.R.)

PHASE		R Y B	SURFACE TREATMENT/ PAINTING PERTICULARS	
NEUTRAL		BLACK	PAINTING	: POWDER COATING
CONSULTANT		SM INFRA SERVICE LLP	COLOUR	: SIEMENS GRAY
PROJECT		TACOBELL AIRPORT T-1	SHADE	: RAL 7035
			CABLE ENTRY	
			TOP	YES
			BOTTOM	YES