Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

COMPAN
LOGO

COMPANYNAME AND ADDRESS

PROCUREMENT OF DESIGN AND BUILD SERVICES FOR THE A&E DESIGN OF FIT-OUT AND LANDSCAPE WORKS AND CONSTRUCTION OF ESSENTIAL MEFPS AND OTHER SUPPORTING CIVIL WORKS.

PROJECT: 23 STOREY COVERED WITH ROOFDECK PSA BUILDING LOCATION:EAST AVENUE DILIMAN QUEZON CITY

BILL OF QUANTITIES SUMMARY (STAGE II)

Item	Description	Total Amount
1	GENERAL REQUIREMENTS	
II	ELECTRICAL WORKS	
III	MECHANICAL WORKS	
	II.1. Air-Conditioning and Ventillation System	
	II.2. Fire Protection System	
	II.3. Fuel Oil System	
IV	ELECTRONICS/AUXILIARY WORKS	
V	PLUMBING WORKS	
VI	CIVIL WORKS	
	TOTAL AMOUNT	

Submitte	d by:	
	Name	
	Position	
	Company Nam	ne
	Address & Contact N	Number

COMPANY

COMPANYNAME AND ADDRESS

PROCUREMENT OF DESIGN AND BUILD SERVICES FOR THE A&E DESIGN OF FIT-OUT AND LANDSCAPE WORKS AND CONSTRUCTION OF ESSENTIAL MEFPS AND OTHER SUPPORTING CIVIL WORKS. (STAGE II)

Location: PSA Complex, East Avenue, Quezon City BILL OF QUANTITIES (BOQ)

I. GENERAL REQUIREMENTS

	DESCRPTION			DRECTCOST	MARK-UPS	IN PERCENT	TOTAL MARK-UP			TOTAL		
TEM NO.	DESCRPTION	QUANTITY	UNIT		осм	PROFIT	%	VALUE	VAT	INDIRECT COST	UNIT COST	TOTAL COST
1	2	3	4	8 8	6	7	8	9 5X8	10 (%)(5+9]	11 9+10	12 5+ 11	13 12x3
1	GENERAL REQUIREMENTS		á	S		15 10		8 9			8	
IJ	GENERAL REQUIREMENTS/PRELIMINARIES	3	8	S 9		16 50		8 %		ţ.	85	
	I.1 Mobilization	1.00	lat			4.1 84						
	1.2 Permits and Licenses	1.00	lat	S		15 88 15 92		8 %				
	1.3 Temporary Facilities	11.00	month/s									
	L3.1 Temporary Offices		ŝ	S		15 50		8 %			80	
	1.3.2 Barracks for \$taff											
	L3.3 Barracks for Workers		ŝ	8 8		15 70		8 %			80	
	I.4 Temporary Utilities (Water, Electricity , Internet and Communication)	11.00	month/s									
	1.5 Site Supervision/Site Management and Office Expenses	11.00	month/s	8 9		15 16		8 %			80	
	L6 Safety and Security	11.00	month/s									
	1.7 Bonds and Insurances		8	S		15 50		8 %			80	
	L7.1 Pre mium on Bid Security	4.00	month/s									
	L7.2 Pre-mium on Performance Security	24.00	month/s	8		15 92					80	
	L7.3 Pre-mium on Warranty Security	15.00	month/s									
	L7.4 Pre mium on Sure ty for Advance Payment	11.00	month/s	8 9		8 9					80	
	L7.5 Pre mium on Contractors All Risk insurance	11.00	month/s									
	L7.6 Premium on Contractor Employees Accident insurance and CGL	11.00	month/s	50 0		15 83 15 90		8 99			80 80	
	1.8 As-Built Drawings and Shop Drawings	11.00	lat									
	L9 Quality Control / Te sting and Commissioning	1.00	lat	50 0		S 88		2 99			80 8	
	L10 Site Clearing and Demobilization	11.00	month/s									
	L11 Lifting Machine (Equipments)	11.00	month/s	55 S		S 88		8 88			50 S	
	I.12 Additional Construction Safety & Health (Covid Response)	1.00	lot									

TOTAL	
1001794	

Submitted by:

Name Position Company Name

		98	II. ELECTRICAL WORKS											85
800000		900000665200	5.000 8 0000000	8082	2740000 SWATE	MARKUPS	N PERCENT	TOTAL	MARKUP	1665	TOTAL		120000000000000000000000000000000000000	REMARKS/ LOCATION
TEMNO.		DESCRPTION	QUANTITY	UNIT	DRECT COST	OOM	PROFIT	75	VALLE	WAT	NDRECTOOST	UNITOOST	TOTAL COST	SPECIFICATIONS
1	*	2	3	4	5	6	7	8	9 5X8	10 574/5+91	11 9+10	12 5÷11	13 12x3	188
L	ELECTRICAL	L WORK \$ (see attached plans)	13		i							9	1,5000	%
IL1	SERMCEEN	ITRANCE				3						80		*
	IL1.1 Whee ar	nd Cables including connectors, tapes, etc.												
		I.1.1.1 XLPECABLE (\$4.5 KV) - copper, -XLPE insulation, Extruded Sent-Conductive Conductor, -90 degrees C up to 250 degrees C short circuit condition	262.00	lmis										Lazation: Graind. AS PER DESIGNERS RECOMMENDATION
	34	I.1.1.2 Cable Terminating Kit	7.00	sot	10 3							(b) (c)		.0
IL2	MAIN AND S	UB-MAIN DISTRIBUTION	- 3											37
1, 1, 1,	IL2.1 Pipes		13		4:					4 ()		%		
		II.21.1 15mm & IMC Pipe	2853.00	lgt								80		
		I.21225mm ø IMC Pipe	1,423.00	igit										
	2	I.21.3 32mm s IMC Pipe	579.00	lat								88 8		
		I.21.4 40mm & IMC Pipe	338.00	lat	to s					15. 15.		8 3		Location: Where needed AS PER DESIGNERS
		1.21,5 50mm & IMC Pipe	152.00	igt										RECOMMENDATION
	3	L21.6 80mm ø IMC Pipe	448.00	lat						10		8 3		
		1.21.7 90mm ø IMC Pipe	243.00	lat	te s			2 3		re		.0 %		
		1.21.8 100mm ø IMC Pipe	1,565.00	igt										
	31	1.21.9 20mm ø PVC Pipe	350.00	tot										31
		nd Cable's (Including Fittings, Supports and Hangers and nable's) standed copper wire										89 89		
		1.22.135mmsq. THHN	43,088.00	lm/s										
		1.22.2.55mm eq. THHN	11,259.00	imis								80 13		
		1.22.3 80mm sq. THHN	23,618.00	lm/s										
	2	1.22.4.14mmsq. THHN	5,928.00	lm/s							100	80 58		Location: Whereneeded
		1.22.5.22mm eq. THHN	3,846.00	Imis								to :-		AS PER DESIGNERS RECOMMENDATION
		1.22.6 30mm eq. THHN	4,626.00	lim/s										TELESCAPIE CONTROL
		1.22.7 38mm eq. THHN	5,535.00	lim/s								P.O. 50		
	31	1.22.8.50mm eq. THHN	197.60	lm/s						49 68		8 8 10 14		
		1.22.9 60mm sq. THHN	2,252.00	lim/s										
		I.22.10 100mmsq.THHN	932.00	lm/s	15					25		33		38

	γ	202	II. EL										
MEMNO.		QUANTITY	UNT	DIRECTOOST	MARK-UPS	INPERCENT	TOTAL	MARKUP	VAT	TOTAL	UNIT COST	TOTAL COST	RBMARKS/LOCATION
HEM NO.	DESCRIPTION	CLIMITY		a contract	OCM	PROFIT	%	VALUE	WI	NDRECT COST	UNITOUST	TOTALCOST	SPECIFICATIONS
1	2	3	4	5	6	7	.8	9 5X8	10 5%(5+9)	11 9+10	12 5+11	13 12x3	6.0
	L2.211 125mm sq. THHN	1,178.00	imis									55-105-50	
	L2.212 150mm sq. THHN	105.00	lm/s		2.8	S 25				2			Location Whereneeded
1	I.2.213 175mm eq. THHN	85.00	lmis		(%) (m)						F		AS PER DESIGNERS RECOMMENDATION
	1.2.2.14.200mm sq. THHN	4,106.00	invis										
	1.2.215 250mm sq. THHN	10,441.00	imis		5.8	S 25				2			107120722 2007 272
1	1.2.216 250mm eq. Fire Rated Cable	1,437,00	lmis		St						F 52		AS PER DESIGNERS RECOMMENDATION
	1.2.2.17 80mm eq. THHN	88.00	lm/s										RECOMMENDATION
Š.	II2.3 GROUNDING	10 80	S S		80						5		3) t -2) c
	12.313.5mmsq.TW	15,080.80	invis		80								
	12.32 5.5mm eq. TW	3,906.00	lm/s										
	1.2.338.0rm sq. TW	833.70	lmis		80	50 N							Location Where needed
	L2:34 14mm eq. TW	531.30	invis										AS PER DESIGNERS RECOMMENDATION
*	I.1.23.5 22mm eq. TW	1,804.95	ints		98	9							
1	1.2.36 30mm sq. TW	1,801.80	lmis		&					3			
	12:3.7 50mm sq. TW	52.50	imis		-2								
11.3	LIGHTING FIXTURES				20								36
	II.3.1 Including necessary Supports, boxes and dropped flexible metal conduits (FOR COMMON TOILETS FROM 7TH-24TH Fir)	12											AS PER DESIGNERS RECOMMENDATION
	I3.1.1 Cove Light	78.00	pcs		2.5	S 21							EN 100 FER 1196 (1-888) 01 FE
114	PANEL BOARDS, HWLV SWITCH GEAR (MAIN & SUB-MAIN)	8			8								
	II.4.1 Panel Boards (According to plans and specifications, complete with accessories and others to make the equipment fucntionable)	58 -			88					*			
	I.4.1.1 LB \$ WPOWER FUSE (Private Pole Induded)	1.00	lot		8). 								Location: Ground Floor.
	I.4.12 T1 (1500KVA, 34.5KV/400V, 32,60HZ) Compartmental type	1.00	assy										ASPER DESIGNERS RECOMMENDATION
	I.4.13 T2 (1500KVA, 34.5KV/400V, 32,50HZ) Compartmental type	1.00	assy	28	10	8		(0)					
	I.4.1.4 T3 (1000KVA, 34.5KV/400/, 32,50HZ) Compartmental type	1.00	assy		(h)						\$ - E		1
	1.4.1.5 PP10 with ground and ne utral bus terminal MAIN: 1-MCCB,ABNS3c, 50A,3P,14KA @415V BR 8: 30-MCB, BKN-b, 20A, 1P,10KA @230V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mm X 400mmX 130mm	1.00	жу										AS PER DESIGNERS RECOMMENDATION

87	II. ELECTRICAL WORKS												
ITEMNO.	DESCRPTION	QUANTITY	UNIT	DRECT COST	MRKUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITOOST	TOTAL COST	REMARKS' LOCATION
	Substitute V. Turk	20041111	9850000	and	OOM	PROFIT	%	VALUE	100	NDRECT COST		10 10 0001	SPECFICATIONS
1	2	3	4	5	6	7	8	9 5X8	10 9%(5+9)	11 9+10	12 5+11	13 12x3	-
	L41.6 LP10 with ground and ne utai bus ferminal MAIN: 1-MCCB, ABNS3c, 60A, 3P. 14KA @ 41SV BRS; 25-MCB, BKN-b, 20A, 1P, 10KA @ 230V 1-SPCAE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmX 130mm	1.00	25.97				50		50				AS PER DESIGNERS RECOMMENDATION
	L41.7 DP16 with ground and ne utral bus terminal MAIN: 1-MCCB, AB\$103c, 100A, 3P, 37KA @415V BRS: 1-MCCB, AB\$103c, 60A, 3P, 37KA @415V 1-MCCB, AB\$100c, 50A, 3P, 37KA @415V 2-8PACE, 100AF, 3P NEMA-1, \$URFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 550mmK 150mm	1.00	35.9y										AS PER DESIGNERS RECOMMENDATION
	IL41.8 PP11C with ground and ne utral bus terminal MAIN: 1-MCC-B, ABN103c, 75A, 3P, 18KA @ 415V BRS: 42-MC-B, BKN-b, 20A, 1P, 10KA @ 230V NEMA-I, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG'S DIMENSION: 800mmX 400mmX 130mm	1.00	wey								0		AS PER DESIGNERS RECOMMENDATION
	IL41.9 PP11 with ground and neutral bus terminal MAIN: 1-MCCB, ABNS30, 40A, 3P. 14KA @ 415V BRS: 20-MCB, BKN-0, 20A, 1P, 10KA @ 230V 2-SPCAE, 50AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmX 130mm	1.00	259						50				AS PER DESIGNERS RECOMMENDATION
	IL41.10 LP11 with ground and neutral bus terminal MAIN:1-MCCE, ABN103c, 100A, 3P. 18KA.@415V BRS: 24-WCE, BKN-b, 20A, 1P. 10KA.@230V NEMA-I, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmK 130mm	1.00	as sy										AS PER DESIGNERS RECOMMENDATION
	IL41.11 DP11 with ground and ne utral bus terminal MAIN:1-MCCB, AB \$203c, 175A, 3P, 37KA @415V BRS: 1-MCCB, AB\$100c, 100A, 3P, 37KA @415V 1-MCCB, AB\$100c, 75A, 3P, 37KA @415V 1-MCCB, AB\$100c, 40A, 3P, 37KA @415V 1-SPACE, 100AF, 3P NEMA-1, \$URFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 500mmK 150mm	1.00	35.9y										AS PER DESIGNERS RECOMMENDATION

				4	II. ELECTRICA		AL W	JRKS	65	80			20
722000	DESCRIPTION	QUANTITY		10000000000000000000000000000000000000	MAKAUPS	N PERCENT	TOTAL	MARKUP		TOTAL			REMARKS/LOCATION
REMINO.	DESCRIPTION	QUANTITY	UNIT	DRECT COST	OOM	PROFIT	.%	VALUE	TAV	NORECT COST	UNITCOST	TOTAL COST	SPECIFICATIONS
1	2	3	4	5	6	7	8	9 5%	10 5%(5+9)	11 9+10	12 5+11	13 12x3	
	L41.12 PP12C with ground and neutral bus terminal MAIN: 1-MCCB, ABN103c, 75A, 3P, 18KA @ 415V BRS: 40-MCB, BRN-b, 20A, 1P, 10KA @ 230V NEWA-I, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 800mmX 400mmX 130mm	1.00	35.9J										AS PER DESIGNERS RECOMMENDATION
	I.4.1.13 PP12 with ground and neutral bus terminal MAIN: 1-MCCE, ABNS3c, 40A, 3P. 14KA@ 415V BRS: 20-MCE, BKN-b, 20A, 1P, 10KA@ 230V 2- SPACE, 60AF, 1P NEWA-I, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED RINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmK 130mm	1.00	36.9y										AS PER DESIGNERS RECOMMENDATION
	IL41.14 LP12 with ground and neutral bus ferminal MAIN: 1-MCCB, ABN103c, 100A, 3P. 18KA @ 415V BRS: 25-MCB, BKN-D, 20A, 1P, 10KA @ 230V 2-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmK 130mm	1.00	as sy										AS PER DESIGNERS RECOMMENDATION
	I.41.15 DP12 with ground and ne utral bus terminal MAIN: 1-MCCB, AB \$203c, 2004, 3P. 37KA @ 419/ BRS: 1-MCCB, AB\$100c, 1004, 3P, 37KA @ 415V 1-MCCB, AB\$100c, 754, 3P, 37KA @ 415V 1-MCCB, AB\$100c, 404, 3P, 37KA @ 415V 1-SPACE, 1004F, 3P NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED RINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 500mmK 150mm	1.00	35.9y				G _Z			20			AS PER DESIGNERS RECOMMENDATION
	IL41.16 PP14C with ground and neutral busterminal M4IN:1-MCCB, ABN103c, 75A, 3P, 18KA @415V BRS: 40-MCB, BKN1-b, 20A, 1P, 10KA @230V NEMA-1, SURFACE MOUNTER, QI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 800mmX 400mmX 130mm	1.00	asay										AS PER DESIGNERS RECOMMENDATION
	I.41.17 PP14 with ground and neutral bus to minial MAIN: 1-MCCB, ABNS3G, 40A, 3P. 14KA @ 415V BRS: 20-MCB, BKN-b, 20A, 1P, 10KA @ 230V 2- SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#1S, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmX 130mm	1.00	maj										AS PER DESIGNESIR RECOMMENDATION

100					II. EL	ECTRIC	AL WC)RKS		y a			80
TEMNO.		VIIIVAUD	UNIT	DIRECTOOST	MARKAJPS	INPERCENT	TOTAL	MRKUP	VAT	TOTAL	UNIT COST	TOTAL COST	REMARKS/LOCATION
HEMINO.	DESCRIPTION	GOVERN	Out	Directocal	ОСМ	PRORT	%	WALLE	Wil	INDIRECTOOST	UNIT COST	lovicus)	SPECIFICATIONS
1	2	3	4	- 5	6	7	8	9 5/8	10 5%(5+9)	11 9+10	12 5+11	13 12x3	
	I.4.1.18 LP14 with ground and neutral bus terminal MAIN:1-MCCB, ABN103c, 100A, 3P. 18KA@415V BRS: 30-MCB, BKN-b, 20A, 1P, 10KA@230V 2-SPACE, 60AF, 1P NEWA-1, SURFACE MOUNTED, GI SHEET G#IS, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmX 130mm	1.00	жку										AS PER DESIGNERS RECOMMENDATION
	I.4. 1.19 DP14 with ground and neutral bus terminal M4IN:1-MCCB, AB\$203c, 2004, 3P. 37KA @ 415V BR\$: 1-MCCB, AB\$103c, 1004, 3P, 37KA @ 415V 1-MCCB, AB\$103c, 754, 3P, 37KA @ 415V 1-MCCB, AB\$103c, 754, 3P, 37KA @ 415V 1-MCCB, AB\$103c, 404, 3P, 37KA @ 415V 1-SPACE, 1004F, 3P MEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINSH WITH NEUTRAL, GROUNDING & TERMINAL LUG'S DIMENSION: 750mmX 600mmX 150mm	1.00	жку										AS PER DESIGNERS RECOMMENDATION
	I.4.1.20 PPISC with ground and neutral bus terminal MAIN:1-MCCE, ABN103c, 75A, 3P, 18KA@415V BRS: 36-MCB, BKN-b, 20A, 1P, 10KA@230V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG'S DIMENSION: 750mmX 400mmX 130mm	1.00	305 Y										AS PER DESIGNERS RECOMMENDATION
	I.4.1.21 PPIS with ground and neutral bus terminal MAIN.:1-MICCE, ABN 103c, 75A, 3P. 18KA @ 415V BRS: 36-MICB, BKN-b, 20A, 1P, 10KA @ 230V NEMA-1, SURFACE MOUNTED, GI SHEET G#IS, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmX 130mm	1.00	авау										AS PER DESIGNERS RECOMMENDATION
	I.4.1.22 LP15 with ground and neutral bus terminal MAIN:1-MCCB, ABN53c, 50A, 3P. 14KA @ 415V BRS: 23-MCB, BKN-b, 20A, 1P, 10KA @ 230V 1- SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#I6, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG'S DIMENSION: 650mmX 400mmX 130mm	1.00	assy										AS PER DESIGNERS RECOMMENDATION
	I.A.1.23 DP15 with ground and neutral bus terminal MANN:1-MCCB, AB\$203c, 175A, 3P. 37KA @ 415V BR\$: 1-MCCB, AB\$103c, 100A, 3P, 37KA @ 415V 1-MCCB, AB\$103c, 75A, 3P, 37KA @ 415V 1-MCCB, AB\$103c, 50A, 3P, 37KA @ 415V 1-SPACE, 100AF, 3P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 500mmX 150mm	1.00	эхсу										AS PER DESIGNERS RECOMMENDATION

· 200					III. EL	ECTRIC	AL W	IKNS	_		-		
(TEMNO.	DESCRIPTION	QUANTITY	100000	DRECT COST	MARKUPS	N PERCENT	TOTAL	MARKUP	200	TOTAL	=50606965030V		REMARKS/ LOCATION
ITEMINO.	DESCRIPTION	QUANTITY	UNIT	DRECTOST	OOM	PROFIT	%	VALUE	VAT	NDRECT COST	UNITCOST	TOTAL COST	SPECIFICATIONS
1	2	3	4	5	6	7	8	9 5X8	10 5145+9]	11 9+10	12 5+11	13 12x3	
, s	I.4.1.24 PP19C with ground and neutral bus terminal MAIN: 1-MCCB, ABN63c, 60A, 3P, 18KA @ 415V BRS: 30-MCB, BKN-b, 20A, 1P, 10KA @ 230V NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmX 130mm	1.00	as ay	8 1 3									AS PER DESIGNERS RECOMMENDIATION
	L41.25 PP16 with ground and neutral bus terminal M4IN: 1-MCCB, ABN53c, 50A, 3P. 14KA@ 415V BRS: 29-MCB, BKN-b, 20A, 1P, 10KA@230V 1-SPACE, 60AF, 1P NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmX 130mm	1.00	25.94										AS PER DESIGNERS RECOMMENDATION
	I.4.1.26 LP16 with ground and neutral bus terminal. MAIN: 1-MCCE, ABN63c, 60A, 3P. 14KA@ 415V BRS: 24-MCB, BKN-b, 20A, 1P, 10KA@230V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmX 130mm	1.00	as sy										AS PER DESIGNERS RECOMMENDATION
	L4.1.27 DP16 with ground and ne utral bus terminal MAIN: 1-MCCB, AB \$203c, 175A, 3P. 37KA @419V BR3: 1-MCCB, AB\$100c, 60A, 3P, 37KA @415V 1-MCCB, AB\$100c, 50A, 3P, 37KA @415V 1-SPACE, 100AF, 3P NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mm X 600mmX 150mm	1.00	æ9j										AS PER DESIGNERS RECOMMENDIATION
	I.4.1.28 PP17C with ground and neutral busterminal MAIN:1-MCCB, ABNS3c, 40A, 3P, 14KA@ 415V BRS: 18-MCB, BKN-b, 20A, 1P, 10KA@ 230V NEMA-I, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED RINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 500mmX 400mmK 130mm	1.00	26.54										AS PER DESIGNERS RECOMMENDATION
	I.4.1.29 PP17 with ground and neutral bus terminal MAIN: 1-MCCE, ABN103c, 75A, 3P. 18KA@415V BRS: 40-MCE, BKN-b, 20A, 1P, 10KA@230V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING 8, TERMINAL LUGS DIMENSION: 800mmX 400mmX 130mm	1.00	20.24										AS PER DESIGNERS RECOMMENDATION

					II. EL	ECTRIC	AL W	DRKS					-
пемно.	OESCRPTON .	QUANTITY	UNIT	DRECT COST	MARKALPS	IN PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITCOST	TOTAL COST	REMARKS/LOCATION
/ HEIRING.	LESAFILM	CONTRACTOR OF THE PARTY OF THE	SOVII	- Brazi cusi	OOM	PROFIT	%	VALUE	VAU	NORECT COST	UNITODS	SUPELUSI	SPECIFICATIONS
-1	2	3	4	5	6	7	8	9 5 X8	5%(5+3)	11 9+10	12 5+11	13 12x3	
	I.4.1.30 LP17 with ground and neutral bus terminal MAIN: 1-MCCB, ABN63c, 60A, 3P. 14KA @ 415V BRS: 25-MCB, BKN-b, 20A, 1P, 10KA @ 230V NEWA-1, SURFACE MOUNTED, GISHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmK 130mm	1.00	36.9y										AS PER DESIGNERS RECOMMENDATION
	I.41.31 DP17 with ground and ne utral bus ferminal M4IN: 1-MCCB, AB \$203c, 175A, 3P. 37KA @419/ BR3: 1-MCCB, AB\$100c, 75A, 3P, 37KA @415/ 1-MCCB, AB\$100c, 50A, 3P, 37KA @415/ 1-MCCB, AB\$100c, 50A, 3P, 37KA @415/ 1-SPACE, 100AF, 3P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 600mmX 150mm	1.00	35.9 y										AS PER DESIGNERS RECOMMENDATION
	I.4.1.32 PPI8 with ground and neutral bus terminal MAIN: 1-MCCB, ABNS36, S0A, 3P. 14KA @ 415V BRS: 25-MCB, BKN-b, 20A, 1P, 10KA @ 230V 1-SPACE, S0AF, 1P NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mm/X 400mm/X 130mm	1.00	36.9y										AS PER DESIGNERS RECOMMENDATION
	1.41.33 LP18 with ground and ne utral bus ferminal MAIN: 1-MCCB, ABINS3C, 60A, 3P. 14KA @ 415V BRS: 24-MCB, BKN-b, 20A, 1P, 10KA @ 230V NEMA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmK 130mm	1.00	3 29	45 %						2			AS PER DESIGNERS RECOMMENDATION
	I.4.1.34 DP18 with ground and ne utral bus ferminal MAIN: 1-MCCB, AB \$103c, 100A, 3P. 37KA @4197 BRS: 1-MCCB, AB\$103c, 60A, 3P. 37KA @4157 1-MCCB, AB\$103c, 60A, 3P. 37KA @4157 2-SPACE, 100AF, 3P. MEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 500mmX 150mm	1.00	ळश										AS PER DESIGNERS RECOMMENDATION
	II.41.35 PP19C with ground and neutral busterminal MAIN: HMCCB, ABN\$36, 60A, 3P, 14KA @ 415V BR\$: 30-MCB, BKN-0, 20A, 1P, 10KA @ 230V NEMA-1, SURFACE MOUNTED, GI SHIEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmK 130mm	1.00	36.2y										AS PER DESIGNERS RECOMMENDATION

Ti-			007	T	II. EL	ECTRIC	AL W	JKNS		F			-89
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DRECT COST	MRKUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITCOST	101AL COST	REMARKS/LOCATION
	and the control of th				OOM	PROFIT	%	VALUE		NDRECT COST			SPECIFICATIONS
t	2	3.	4	5	6	7	8	9 5X8	10 9%(5+9)	11 9+10	12 5+11	13 12x3	8
	I.4.1.36 PP 19 with ground and neutral bus terminal MAIN: 1-MCCB, ABINS3c, 60A, 3P. 14KA @ 415V BRS: 31-MCB, BKN-to, 20A, 1P, 10KA @ 230V 1-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 400mmX 130mm	1.00	as sy										AS PER DESIGNERS RECOMMENDATION
	I.4.1.37 LP 19 with ground and ne utral bus ferminal MAIN: 1-MCCB, ABN63c, 60A, 3P. 14KA @ 415V BRS: 25-MCB, BKN-b., 20A, 1P, 10KA @ 230V 1-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 400mmX 130mm	1.00	as ay										AS PER DESIGNERS RECOMMENDATION
	I. 4.1.38 DP19 with ground and ne utral bus terminal MAIN: 1-MCCB, AB \$2030, 175A, 3P. 37KA @ 419/ BRS: 3-MCCB, AB\$100c, \$0A, 3P. 37KA @ 415/ 1-5PACE, 1000F, 5P NEMA-1, \$URFACE MOUNTED, GI SHEET G#16, POWDER COATED FIN SH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 600mmX 150mm	1.00	as oy										AS PER DESIGNERS RECOMMENDIATION
	L41.39 PP20C with ground and neutral bus terminal MAIN: 1-MCCB, ABM103c, 75A, 3P, 14KA@415V BRS: 38-MCB, BKN-6, 20A, 1P, 10KA@230V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED RNISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 400mmX 130mm	1.00	35.9j										AS PER DESIGNERS RECOMMENDATION
	I.41.40 PP20 with ground and neutral bus terminal MAIN: 1-MCCB, ABM53c, 50A, 3P. 14KA @ 415V BRS: 23-MCB, BKN+b, 20A, 1P, 10KA @ 230V 2-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmX 130mm	1.00	35.9y										AS PER DESIGNERS RECOMMENDATION
	I.41.41 LP20 with ground and ne utral bus terminal MAIN: 1-MCCE, ABM103a, 75A, 3P. 18KA@415V BRS: 29-MCB, BKN-b, 20A, 1P, 10KA@230V 1-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmX 130mm	1.00	as sy		-6	S 88							AS PER DESIGNERS RECOMMENDATION

- 22	- I	-		20	II. EL	ECTRIC	AL WC	JKNS	P	7	P 27		9
		LOS ESTADOS		200700000000000	MARKUPS	IN PERCENT	TOTAL	MARKUP	1923	TOTAL	00000000	600000000	REMARKS/ LOCATION
MEMNO.	DESCRPTION	QUANTITY	UNIT	DRECT COST	OOM	PROFIT		VALUE	VAT	NORECT COST	UNITCOST	TOTAL COST	SPECIFICATIONS
11	2	3	4	5	6	7	8	9 5X8	10 5%(5+9)	11 9+10	12 5+11	13 12x3	
	I.4.1.42 DP20 with ground and ne utral bus terminal MAIN: I-MCCB, AB \$203c, 175A, 3P. 37KA @4197 BR3: 2-MCCB, AB\$103c, 75A, 3P. 37KA @415V I-MCCB, AB\$103c, 40A, 3P. 37KA @415V I-SPACE, 100AF, 3P NEMA-I, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMENSION: 750mmX 500mmX 150mm	1.00	35.94										AS PER DESIGNER RECOMMENDATION
	L41.43 PP21C with ground and neutral bus terminal MAIN: 1-MCCB, ABN103c, 75A, 3P, 14KA @415V BRS: 39-MCB, BKN-b, 20A, 1P, 10KA @230V 1-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 800mmX 400mmX 130mm	1.00	35.0y										AS PER DESIGNER: RECOMMENDATION
7.5	I.41.44 PP21 with ground and neutral bus to minal MAIN: 1-MCCB, ABN53c, 50A, 3P. 14KA @ 415V BRS: 23-MCB, BKN-0, 20A, 1P, 10KA @ 230V 1-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmX 130mm	1.00	\$\$ 94	30 - 3				3					AS PER DESIGNER RECOMMENDATION
	I.4.1.45 LP21 with ground and neutral bus ferminal MAIN: I-MCCB, ABN103c, 75A, 3P. 18KA @ 415V BRS: 25-MCB, BKN-0, 20A, 1P, 10KA @ 230V 1-SPACE, 50AF, 1P NEWA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING 8, TERMINAL LUGS DIMENSION: 750mmX 400mmK 130mm	1.00	26.99										AS PER DESIGNER RECOMMENDATION
	IL41.46 DP21 with ground and ne utral bus terminal MAIN: 1-MCCB, AB \$205c, 175A, 3P. 37KA @ 4197 BR3: 2-MCCB, AB\$109c, 75A, 3P, 37KA @ 415V 1-MCCB, AB\$109c, 49A, 3P, 37KA @ 415V 1-SPACE, 100AF, 3P NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 500mmX 150mm	1.00	as sy										AS PER DESIGNER: RECOMMENDATION
	I.41.47 PP22C with ground and neutral busterminal MAIN: 1-MCCB, ABN103c, 75A, 3P, 14KA@415V BR\$: 39-MCB, BKN-0, 20A, 1P, 10KA@230V 1-\$PACE, 60AF, 1P NEMA-1, \$URFACE MOUNTED, GI SHEET G#15, POWDER COATED FINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 800mmX 400mmX 130mm	1.00	35.94					3					AS PER DESIGNER RECOMMENDATION

			,		II. EL	ECTRIC	AL W	ORKS	G.		20		-02
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DRECT COST	MRKUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITOOST	TOTAL COST	REMARKS/ LOCATION
new to	LESAFIN	COVERNIT	O.	GREET COST	OOM	PROFIT	20	VALUE	***	NDRECT COST	delicosi	NOTE COST	SPECIFICATIONS
1	2	3	4	5	6	7	8	.9 5x8	10 5%(5+9)	11 9•10	12 5+11	13 12x3	
	I.4.1.48 PP22 with ground and neutral bus terminal M4IN: 1-MCCB, ABNS3c, 50A, 3P. 14KA @ 415V BR3: 23-MCB, BKN-b, 20A, 1P, 10KA @ 230V 1-SPACE, 50AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmK 130mm	1.00	35.9J	ro Lo									AS PER DESIGNERS RECOMMENDATION
	I.41.49 LP22 with ground and ne utral bus terminal MAIN: 1-MCCB, ABN103c, 75A, 3P. 18KA.@.415V BRS: 25-MCB, BKN-b, 20A, 1P, 10KA.@.230V 1-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 400mmK 130mm	1.00	æaj										AS PER DESIGNERS RECOMMENDATION
	I.41.50 DP22 with ground and ne utral bus terminal MAN: HMCCB, AB \$203c, 175A, 3P, 37KA @4197 BRS: 2-MCCB, AB\$109c, 75A, 3P, 37KA @4157 1-MCCB, AB\$109c, 49A, 3P, 37KA @4157 1-SPACE, 100AF, 3P NEMA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 500mmX 150mm	1.00	23.91										AS PER DESIGNERS RECOMMENDATION
	IL41.51 PP29C with ground and neutral bus terminal MAIN: 1-MCCB, ABIN530, 50A, 3P, 14KA,@ 415V BRS: 21-MCB, BKN-0, 20A, 1P, 10KA,@ 230V 1-SPACE, 50AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 650mmX 400mmX 130mm	1.00	ssay.										AS PER DESIGNERS RECOMMENDATION
	I.4.1.52 PP23 with ground and neutral bus to minal MAIN: HMCCB, ABN103c, 75c, 3P. 18KA @ 400V BRS: 35-MCB, BRN-0, 20A, 1P, 10KA @ 400V 1-SPACE, 50AF, 1P NEMA-1, SURFACE MOUNTED, GLSHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 900mmX 400mmK 130mm	1.00	as ay										AS PER DESIGNERS RECOMMENDATION
	I.4.1.53 LP23 with ground and neutral bus ferminal MAIN: 1-MCCE, ABN103c, 60A, 3P. 18KA @ 400V BRS: 24-MCE, BKN-b, 20A, 1P, 10KA @ 400V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 750mmX 400mmX 130mm	1.00	as sy										AS PER DESIGNERS RECOMMENDATION

- 38				207	II. EL	ECTRIC	AL WO	DRKS	2	90 0	2 27		9)
					MARKUPS	N PERCENT	TOTAL	MARKUP		TOTAL			REMARKS LOCATION
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DRECT COST	oan	PROFIT	%	VALUE	VAT	NDRECT COST	UNITCOST	TOTAL COST	SPECFICATIONS
1	'2	3	4	5	6	17	8	9 5%	10 5%[5+9]	11 9+10	12 5+11	13 12:3	
	I.41.54 DP23 with ground and neutral bus terminal MAIN:1-60AT, 250AF, 3P, 400V, M CCB 37KA BRS: 1-70AT, 100AF, 3P, MCCB 37KA 1-60AT, 100AF, 3P, MCCB 37KA 1-40AT, 100AF, 3P, MCCB 37KA 1-SPACE, 100AF, 3P NEMA-1, SURFACE MOUNTED, GISHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMENSION:750mm/X 600mm/X 150mm	1.00	æs;										AS PER DESIGNERS RECOMMENDATION
	I.41.55 PP24 with ground and neutral bus terminal MAIN:1-MCCB, ABN53c, 40A, 3P. 14KA @ 415V BRS: 24-MCB, BKN-b, 20A, 1P, 10KA @ 230V 1-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GISHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMEN SION: 750mm X 400mmX 130mm	1.00	æssy										AS PER DESIGNERS RECOMMENDATION
	I.41.56 LP24 with ground and neutral bus terminal MAIN: 1-MCCB, AB N103c, 75A, 3P, 18KA @ 400V BRS: 28-MCB, BKN-b, 20A, 1P, 10KA @ 400V NEMA-1, SURFACE MOUNTED, GISHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S. DIMEN SION: 750mm X 400mmX 130mm	100	as sy										AS PER DESIGNERS RECOMMENDATION
	I.41.57 DP24 with ground and neutral bus terminal MAIN:1-MCC B, AB \$103c, 100A, 3P. 37KA @ 419V BRS: 1-MCC B, AB \$103c, 70A, 3P, 37KA @ 415V 1-MCC B, AB \$103c, 40A, 3P, 37KA @ 415V 2-SPACE, 100AF, 3P NEMA-1, SURFACE MOUNTED, GISHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMEN SION: 700mm X 600mmX 150mm	1.00	assy.										AS PER DESIGNERS RECOMMENDATION

pp					II. EL	ECTRIC	AL WO	ORKS		200			pr -
TEMNO.	DESCRIPTION	QUANTITY	UNIT	DRECT COST	MWRKUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL NDRECT COST	UNITCOST	TOTAL COST	REMARKS LOCATION SPECFICATIONS
					oaw	PROFIT	%	VALUE		PEPEDI GOS			GESTIANG
31	2	3	4	5	6	7	8	9 5X8	10 5%(5+9)	11 9+10	12 5+11	13 12:3	45 25
	I.4.1.58 DPP SRT I 17 with ground and neutral bus terminal MAIN: 1-MCC B, AB \$803c, 5004, 3P. 65KA @ 400V BR 5: 1-MC CB, AB \$403c, 350A, 3P, 50KA @ 400V 1-MC CB, AB \$203c, 160A, 3P, 37KA @ 415V 2. SPACE, 100AF, 3P MEM.A-1, SURFACE MOUNTED, GI SHEET G#16, POWDER CO AT ED FINISH WITH NEUT RAL, GROUNDING & TERMIN ALLUG S DIMEN \$10 N: 1250mm X 750mmX 350mm	1.00	æsy										AS PER DESIGNERS RECOMMENDATION
	I.41.59 SUB-METER CENTER (SMC-8) with ground and ne utral bus to minial ECB: 1-M CCB, AB \$203c, 125A, 3P, 37KA.@ 415V MEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMIN ALLUG'S DIMEN SION: 400mm X 550mmX 85mm BUSBAR GUTTER 125A, 3PHASE, 400V MEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMIN ALLUG'S DIMEN SION: 1600mm X 350mmX 250mm CIRCUIT BREAKER GUTTER BR \$:13-M CCB, ABN 101c, 60A, 1P, 25KA @ 240V MEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMIN ALLUG'S DIMEN SION: 1600mm X 350mmX 250mm	1.00	æsy										AS PER DESIGNERS RECOMMENDATION
	I.41.80 PP17FCU with ground and neutral bus terminal	1.00	æsy										AS PER DESIGNERS RECOMMENDATION
	L41.81 PP17 ACCU with ground and neutral bus terminal MAIN: +MCCB, ABN403c, 350A, 3P, 50KA @ 400V BRS: 1-MCCB ABH203c, 160A, 3P, 50KA @ 400V 2-MCCB ABH203c, 15A, 3P, 50KA @ 400V 1-MCCB ABH203c, 67A, 3P, 50KA @ 400V 1-MCCB ABH203c, 67A, 3P, 50KA @ 400V 1-MCCB ABH203c, 50A, 3P, 50KA @ 400V 1-MCCB ABH203c, 50A, 3P, 50KA @ 400V 1-MCCB ABH203c, 40A, 3P, 50KA @ 400V 1-MCCB ABH203c, 50A, 50A, 50A, 50A, 50A, 50A, 50A, 50A	1,00	at sy										AS PER DESIGNERS RECOMMENDATION

<u> </u>			20		II. EL	ECTRIC	AL WC	JKNS		20 00			<u> </u>
IEMNO.	DESCRIPTION	QUANTITY	UNIT	DRECT COST	MWRKUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITCOST	TOTAL COST	REMARKS LOCATION
HEMING.	USUA-IUN	QUANTIT	UNII	DRECT COST	OOM	PROFIT	%	VALUE	VAI	NORECT COST	UNITOUST	Director	SPECIFICATIONS
12	2	3	4	5	- 6	7	8	9 5X8	10 5%[5+9]	11 9+10	12 5+11	13 12x3	0
	I.41.62 DPP SRT I 18 with ground and neutral bus terminal MAIN: 1-MCCB, AB \$403c, 400A, 3P. 50KA @ 400V BR S: 1-MCCB, AB \$403c, 300A, 3P, 50KA @ 400V 1-MCCB, AB \$103c, 100A, 3P, 37KA @ 415V 2-SPACE, 100AF, 3P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S. DIMEN \$10 N: 1250mm X 750mm X 350mm	1.00	ās sy		20								AS PER DESIGNERS RECOMMENDATION
	L41.63 PP18 FCU with ground and neutral bus terminal MAIN: *MCCB, ABN103c, 40A, 3P, 37KA@ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA@ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUN DING & TERMINAL LUG S DIMEN SION: 600mm X 550mmX 150mm	1.00	æsy										AS PER DESIGNERS RECOMMENDATION
	L41.64 PP18 ACCU with ground and neutral bus terminal MAIN: 1-MCCB, AB N403c, 350A, 3P, 50KA @ 400V BR S: 1-MCCB ABH203c, 160A, 3P, 50KA @ 400V 2-MCCB ABH203c, 125A, 3P, 50KA @ 400V 1-MCCB ABH203c, 75A, 3P, 50KA @ 400V 1-MCCB ABH203c, 50A, 3P, 50KA @ 400V 1-MCCB ABH203c, 50A, 3P, 50KA @ 400V 1-MCCB ABH203c, 50A, 3P, 50KA @ 400V 1-MCCB ABH203c, 40A, 3P, 50KA @ 400V 1-MCCB ABH203c, 50A, 50A, 50A, 50A, 50A, 50A, 50A, 50A	1.00	assy										AS PER DESIGNERS RECOMMENDATION
	I.41.65 DPAC CU1 with ground and neutral bus terminal MAIN: 1-ACB, AS-20ES-20H, 2000A, 3P.85KA @ 400V, FT.EO BRS: 2-MC CB AB \$403c, 350A, 3P, 50KA @ 400V 6-MC CB AB \$403c, 300A, 3P, 50KA @ 400V 4-SPACE, 3P NEMA-1, FREE ST AND ING, 2-VERTICAL SECTIONS, GISHEET G#14, POWDER COATED FINISH WITH NEUTRAL, GROUN DING & TERMINAL LUGS DIMEN \$10 N: 2200mm X 1600mmX 1000mm	1.00	æsy										AS PER DESIGNERS RECOMMENDATION
	L4.1.66 PP7FCU with ground and neutral bus terminal MAIN: 1-MCCB, ABN103c, 30A, 3P, 37KA @ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GISH EET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMEN SION: 550mm X 550mm X 150mm	1.00	æsy										AS PER DESIGNER RECOMMENDATION

30.				90 0	II. EL	ECTRIC	AL W	JRK5		8 <u>V</u> 6		9	EU.
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DRECT COST	MARKUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITCOST	TOTAL COST	REMARKS/LOCATION
HEMIND.	DESCRITON	QUANTITY	UNII	ureci cosi	OOM	PROFIT	8	VALUE	VAI	NDRECT COST	UNITOUSI	Oweds	SPECIFICATIONS
4	2	3	4	5	6	7	8	9 5X8	10 9%(5+9)	11 9+10	12 5+11	13 12x3	
	L41.67 PP7ACCU with ground and ne utral bus terminal M4N1: 1-MCCB, AB\$103c, 350a, 3P, 50KA @ 400V BRS: 1-MCCB AB\$103c, 160A, 3P, 37KA @ 400V 2-MCCB AB\$103c, 160A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 160A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 37KA @ 400V 3-100AF, 3P, SPACE NEMA-1, \$URFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 1350mmX 700mmX 250mm	1.00	35.9y										AS PER DESIGNER RECOMMENDATION
	I.4.1.68 NPP8FCU with ground and ne utral bus terminal MAIN: 1-MCCB, ABN103c, 30A, 3P, 37KA @ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 550mmX 550mmX 150mm	1.00	25.91										AS PER DESIGNERS RECOMMENDATION
	I.41.69 PP&ACCU with ground and ne utral bus terminal MAIN: I-MCCB, AB \$103c, 300A, 3P, 50KA @ 400V BR\$: 2-MCCB AB\$103c, 125A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 30A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 57KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 57KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 57KA @ 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50A, 50CV 1-MCCB AB\$103c, 50CV 1-MCCB AB\$103c, 50CV 1-MCCB AB\$103c, 50CV	1.00	જ ા										AS PER DESIGNERS RECOMMENDATION
10	IL41.70 PPSFCU with ground and neutral bus terminal MAIN: 1-MCCB, ABN103c, 30A, 3P, 37KA @ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 500mmX 550mmX 150mm	1.00	26.24										AS PER DESIGNERS RECOMMENDATION
	I.41.71 PP9ACCU with ground and ne utral bus terminal MAIN: 1-MCCB, AB \$103c, 350A, 3P, 50KA @ 400V BR\$: 1-MCCB AB\$103c, 175A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 160A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 100A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 80A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 80A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 80A, 3P, 37KA @ 400V 5-100AF, 3P, 8PACE NEWA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 1350mmX 700mmX 250mm	1.00	3 39					30					AS PER DESIGNERS RECOMMENDATION

					II. EL	ECTRIC	AL W	ORKS	31				-20
TEMNO.	DESCRIPTION	QUANTITY	UNIT	DIRECTOOST	MARKUPS	INPERCENT	TOTAL	MYRKUP	VAT	TOTAL	UNIT COST	TOTAL COST	REMIARKS/ LOCATION
		33000	341	Jaco Gar	OCM	PROFIT	%	WLUE	, wa	INDIFFECT COST	341333	10 10 3001	SPECIFICATIONS
1	2	3	4	5	8	7	8	9 5/8	10 5%(5+9)	11 9+10	12 5+11	13 12x3	
	I.4.1.72 PP10F CU with ground and neutral bus terminal MAIN:1-MCCB, ABN 103c, 30A, 3P, 37KA@ 400V BRS: 12-MCCB, ABN 101c, 20A, 1P, 25KA@ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMEN SION: 600mm X 550mmX 150mm	1.00	desy										AS PER DESIGNERS RECOMMENDATION
	1.4.1.73 PP10ACCU with ground and neutral bus terminal MAIN:1-MCCB, AB\$103c, 300A, 3P, 50KA @ 400V BR\$: 2-MCCB AB\$103c, 125A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 80A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 70A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 70A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 30A, 3P, 37KA @ 400V 3-100AF, 3P, SPACE NEMA 1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMEN\$10N:1350rm X 700mmX 250mm	1.00	эвгу										AS PER DESIGNERS RECOMMENDATION
	1.4.1.74 PP11FCU with ground and neutral bus terminal MAIN:1-MCCB, AB\$103e, 30A, 3P, 37KA @ 400V BR\$: 12 MCCB, AB\101e, 20A, 1P, 25KA\@ 240V NEMA\1, SURFACE MOUNTED, GI SHEET G\(\text{#16}\), POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMEN \$10\text{N}:600mm X\(550mm X\) 150mm	1.00	assy										AS PER DESIGNERS RECOMMENDATION
	1.4.1.75 PP11ACCU with ground and neutral bus terminal MAIN:1-MCCB, AB\$103c, 300A, 3P, 50KA@ 400V BR\$: 1.4MCCB AB\$103c, 125A, 3P, 37KA@ 400V 1.4MCCB AB\$103c, 80A, 3P, 37KA@ 400V 1.4MCCB AB\$103c, 70A, 3P, 37KA@ 400V 1.4MCCB AB\$103c, 50A, 3P, 37KA@ 400V 1.4MCCB AB\$103c, 50A, 3P, 37KA@ 400V 1.4MCCB AB\$103c, 50A, 3P, 37KA@ 400V 1.4MCCB, 3P, 5PACE NEMA-1, SURFACE MOUNTED, GI\$HEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG\$ DIMEN\$10N:1350mm X 700mmX 250mm	1.00	азху										AS PER DESIGNERS RECOMMENDATION
7	I.4.1.76 PP12FCU with ground and neutral bus te min al MAIN:1-MCCB, AB\$103c, 30A, 3P, 37KA @ 400V BR\$: 12 MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEMA 1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMEN \$10 N: 600mm X 550mmX 150mm	1.00	assy										AS PER DESIGNERS RECOMMENDATION

					II. EL	ECTRIC	AL W	JKNS					~
REMINO.	DESCRPTION	QUANTITY	UNIT	DRECT COST	MARKUPS	IN PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITCOST	TOTAL COST	REMARKS/LOCATION
inchire.	EDITORIA DE LA CONTRACTORIA DE L	COVER 1	O'en	Sec. Sec.	OOM	PROFIT	%	VALUE		NDRECT COST	dalloosi	1000	SPECIFICATIONS
38	2	3	4	.5	6	7	8	9 5X8	10 5%(5+9)	11 9+10	12 5+11	13 12x3	
8	I.41.77 PP12ACCU with ground and neutral busterminal M4IN: 1-MCCB, AB\$103c, 300A, 3P, 50KA @400V BRS: 1-MCCB AB\$103c, 125A, 3P, 37KA @400V 1-MCCB AB\$103c, 100A, 3P, 37KA @400V 1-MCCB AB\$103c, 50A, 3P, 37KA @400V 3-100AF, 3P, 5PACE NEMA-1, SURFACE MOUNTED, GISHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 1450mmX 700mmX 250mm	1.00	asoy										AS PER DESIGNERS RECOMMENDATION
	I.41.78 PP14FCU with ground and neutral bus terminal MAIN: 1-MCCB, AB \$103c, 30A, 3P, 37KA @ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEWA-1, SURFACE MOUNTED, GL\$ HIET G#15, POWDER COATED RINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 600mmX 550mmK 150mm	1.00	35.9V										AS PER DESIGNERS RECOMMENDATION
	IL41.79 PP14ACCU with ground and neutral busterminal M4N1:1-MCCB, AB \$1036, 3004, 3P, 50KA @ 400V BR\$: 1-MCCB AB\$1036, 1254, 3P, 37KA @ 400V 1-MCCB AB\$1036, 5004, 3P, 37KA @ 400V 1-MCCB AB\$1036, 5004, 3P, 37KA @ 400V 1-MCCB AB\$1036, 5004, 3P, 57KA @ 400V 1-MCCB AB\$1036, 304, 3P, 57KA @ 400V 4-100AF, 3P, SPACE NEMA-1, SURFACE MOUNTED, GI SHEET G#15, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 1450mmX 700mmX 250mm	1.00	#SQ										AS PER DESIGNERS RECOMMENDATION
	I.41.80 PPISFCU with ground and neutral bus terminal MAIN: 1-MCCB, AB \$1936, 30A, 3P, 37KA @ 400V BRS: 12-MCCB, ABN1016, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG'S DIMENSION: 600mmX 550mmX 150mm	1.00	23 /										AS PER DESIGNERS RECOMMENDATION
	II.41.81 PPISACCU with ground and neutral busterminal MAIN: 1-MCCB, AB \$1036, 3064, 3P, 50KA @ 400V BR\$: 2-MCCB AB\$1036, 125A, 3P, 37KA @ 400V 2-MCCB AB\$1036, 100A, 3P, 37KA @ 400V 1-MCCB AB\$1036, 50A, 3P, 37KA @ 400V 1-MCCB AB\$1036, 50A, 3P, 37KA @ 400V 3-100AF, 3P, 5PACE NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINSH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 1350mmX 700mmX 250mm	1.00	#9y										AS PER DESIGNERS RECOMMENDATION
- 20	1.41.82 PP SF with ground and neutral busterminal	1.00	36.9V										AS PER DESIGNERS RECOMMENDATION

				- pu	II. EL	ECTRIC	AL W	JRKS		20			- 20
					MARKUPS	S IN PERCENT	TOTAL	MARKUP		TOTAL			REMARKS/ LOCATION
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DIRECT COST	OOM	PROFIT	%	VALUE	VAT	NORECT COST	UNITCOST	TOTAL COST	SPECIFICATIONS
1	2	3	4	5	6	7	8	9 5)8	10 5%[5+9]	11 9+10	12 5+11	13 12x3	12 5
	L4.1.83 PP16FC U with ground and neutral bus terminal MAIN:1-MCCB, AB \$103c, 30A, 3P, 37KA @ 400V BR S: 12-MCCB, AB N101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMEN SION: 600mm X 550mmX 150mm	1.00	æsy										AS PER DESIGNERS RECOMMENDATION
	I.4.1.84 PP16ACCU with ground and neutral busterminal MAIN:1-MCCB, AB \$403c, 3004, 3P, 50KA @ 400V BR 5: 2-MCCB AB \$203c, 125A, 3P, 37KA @ 400V 2-MCCB AB \$103c, 1004, 3P, 37KA @ 400V 3-MCCB AB \$103c, 500A, 3P, 37KA @ 400V 1-MCCB AB \$103c, 30A, 3P, 37KA @ 400V 2-100AF, 3P, 5PACE NEMA-1, SURFACE MOUNTED, GISHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION:1350mm X 700mmX 250mm	1.00	æsy										AS PER DESIGNERS RECOMMENDATION
	I.4.1.85 PP19FCU with ground and neutral bus terminal MAIN: 1-MCCB, AB \$103c, 30A, 3P, 37KA @ 400V BR 5: 12-MCCB, AB N101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMEN SION: 650mm X 550mmX 150mm	1.00	assy	dr.									AS PER DESIGNERS RECOMMENDATION
	I.4.1.86 PP19ACCU with ground and neutral bu sterminal MAIN:1-MCCB, AB \$403c, 3504, 3P, 50KA @ 400V BR \$: 1-MCCB AB \$203c, 160A, 3P, 37KA @ 400V 1-MCCB AB \$103c, 125A, 3P, 37KA @ 400V 1-MCCB AB \$103c, 100A, 3P, 37KA @ 400V 1-MCCB AB \$103c, 50A, 3P, 37KA @ 400V 2-MCCB AB \$103c, 50A, 3P, 37KA @ 400V 2-MCCB AB \$103c, 50A, 3P, 37KA @ 400V 1-MCCB AB \$103c, 50A, 3P, 50A, 3	1.00	36.9y										AS PER DESIGNERS RECOMMENDATION
	L4.1.87 PP20FCU with ground and neutral bus terminal MAIN: 1-MCCB, AB \$103c, 30A, 3P, 37KA @ 400V BR \$: 12.MCCB, AB N101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMEN SION: 600mm X 550mmX 150mm	1.00	æssy										AS PER DESIGNERS RECOMMENDATION

- 00				200 3	II. EL	ECTRIC	AL W	ORKS					
REMINO.	DESCRPTION	QUANTITY	UNIT	DRECT COST	MRKUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITCOST	TOTAL COST	REMARKS/LOCATION
nemic.	DOM:	GOWINT	Oven	Bresi wei	OOM	PROFIT	%	VALUE	VAI	NDRECT COST	delicosi	NO SECULIA	SPECIFICATIONS
X8 07	2	3	4	.5	6	7	8	9 5%8	10 5%(5+9)	11 9+10	12 5+11	13 12x3	
	I.41.88 PPZ0ACCU with ground and neutral busterminal MAIN: 1-MCCB, AB \$403c, 350A, 3P, 50KA @ 400V BRS: 1-MCCB AB\$203c, 160A, 3P, 37KA @ 400V 3-MCCB AB\$103c, 160A, 3P, 37KA @ 400V 2-MCCB AB\$103c, 50A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 37KA @ 400V 3-100AF, 3P, SPACE NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 1450mmX 700mmX 250mm	1.00	35.9V			3		3					AS PER DESIGNERS RECOMMENDATION
	I.4.1.89 PP2IFCU with ground and neutral bus terminal MAIN: 1-MCCB, AB \$103c, 30A, 3P, 37KA @ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED RINSH WITH NEUTRAL, GROUNDING & TERMINAL LUG'S DIMENSION: 600mmX 550mmX 150mm	1.00	26.94										AS PER DESIGNERS RECOMMENDATION
	I.4.1.90 PP2IACCU with ground and neutral busterminal MAIN: 1-MCCB, AB \$400c, \$50a, \$P, 50KA @ 400V BR\$: 1-MCCB AB\$203c, 160A, \$P, \$7KA @ 400V 2-MCCB AB\$103c, 125A, \$P, \$7KA @ 400V 1-MCCB AB\$103c, 100A, \$P, \$7KA @ 400V 1-MCCB AB\$103c, 80A, \$P, \$7KA @ 400V 1-MCCB AB\$103c, 80A, \$P, \$7KA @ 400V 1-MCCB AB\$103c, 50A, \$P, \$7KA @ 400V 1-MCCB AB\$103c, 50A, \$P, \$7KA @ 400V 1-MCCB AB\$103c, 50A, \$P, \$7KA @ 400V 3-100AF, \$P, \$PACE NEMA-1, \$URFACE MOUNTED, GI \$HEET G#16, POWDER COATED FINISH WITH NEUT RAL, GROUNDING & TERMINAL LUG'S DIMENSION: 1450mmX 700mmX 250mm	1.00	2 59y										AS PER DESIGNERS RECOMMENDATION
	1.4.1.91 PP22FCU with ground and neutral bus to minal MAIN: 1-MCCB, AB \$103c, 30A, 3P, 37KA @ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, G SHEET G#15, POWDER COATED FINISH WITH NEUT RAL, GROUNDING & TERMINAL LUG'S DIMENSION: 600mmX 550mmX 150mm	1.00	25.9 /										AS PER DESIGNERS RECOMMENDATION
	1.4.1.92 PP2ZACCU with ground and neutral busterminal MAIN: 1-MCCB, AB \$405c, 300A, 3P, 50KA @ 400V BRS: 1-MCCB AB\$103c, 125A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 100A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 50A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 30A, 3P, 3TKA @ 400V 1-MCCB AB\$103c,	1.00	<i>\$29</i> 4										AS PER DESIGNERS RECOMMENDATION

			200	ap-	II. EL	ECTRIC	AL WC)KKS		<u>,,, , , , , , , , , , , , , , , , , , </u>			
TEMNO.	DESCRIPTION	QUARTITY	UNIT	DRECT COST	MARKAUPS	N PERCENT	TOTAL	MARKUP	VAT	TOTAL	UNITCOST	TOTAL COST	REMARKS/ LOCATION
, action to	Second of Total	344			OOM	PROFIT	8	VALUE		NDRECT COST		The State Solder	SPECIFICATIONS
1	2	3	4	5	6	7	8	9 5X8	10 5%(5+9)	11 9+10	12 5+11	13 12x3	- (de
	I.41.93 PP2SFCU with ground and neutral bus to rminal MAIN: 1-MCCB, AB \$105c, 400, 3P, 37KA @ 400V BRS: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V 2-SPACE, 60AF, 1P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 700mmX 550mmX 150mm	1.00	35.24										AS PER DESIGNERS RECOMMENDATION
	1.41.94 PP2SACCU with ground and neutral bus terminal MAIN: 1-MCCB, AB \$409c, 350A, 3P, 50KA @ 400V BRS: 4-MCCB AB\$103c, 125A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 80A, 3P, 37KA @ 400V 1-MCCB AB\$103c, 40A, 3P, 37KA @ 400V 4-100AF, 3P, \$PACE NEWA-1, \$URFACE MOUNTED, GI SHEET G#16, POWDER COATED FINSH WITH NEUTRAL, GROUNDING & TERMINAL LUG S DIMENSION: 1350mmX 700mmX 250mm	1.00	35.5J										7th to 24th Floor: AS PER DESIGNERS RECOMMENDATION
	I.41.95 PP24FCU with ground and neutral bue terminal MAIN: 1-MCCB, AB\$103c, 30A, 3P, 37KA @400V BR\$: 12-MCCB, ABN101c, 20A, 1P, 25KA @ 240V NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: \$00mmX \$50mmX 150mm	1.00	35.9y										7th to 24th Floor. AS PER DESIGNER'S RECOMMENDATION
	IL41.96 PP24ACCU with ground and neutral busterminal MAIN: 1-MCCB, AB \$403c, 350A, 3P, 50KA @400V BRS: 1-MCCB AB\$103c, 125A, 3P, 37KA @400V 3-MCCB AB\$103c, 100A, 3P, 37KA @400V 1-MCCB AB\$103c, 50A, 3P, 57KA @400V 1-MCCB AB\$103c, 50A, 3P, 37KA @400V 4-100AF, 3P, \$PACE NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FIN SH WITH NEUT RAL, GROUNDING & TERMINAL LUG \$ DIMENSION: 1350mmX 700mmX 250mm	1.00	35 9y										AS PER DESIGNERS RECOMMENDATION
	I.41.97 PPEFS with ground and neutral bus terminal MAIN: 1-MCCE, AB\$103c, 40A, 3P,37KA @400V BR\$: 8-MCCE, AB\$103c, 20A, 3P, 37KA @400V 2-SPACE, 100AF, 3P NEWA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 950mmX \$50mmX 150mm	1.00	sæ										AS PER DESIGNERS RECOMMENDATION
	I.41.97 PPEF18 with ground and neutral bus terminal MAIN: 1-MCCB, AB\$103c, 40A, 3P, 37KA @ 400V BRS: 8-MCCB, AB\$103c, 20A, 3P, 37KA @ 400V 2-\$PACE, 100AF, 3P NEMA-1, SURFACE MOUNTED, GI SHEET G#16, POWDER COATED FINISH WITH NEUTRAL, GROUNDING & TERMINAL LUGS DIMENSION: 950mmX \$50mmX 150mm	1.00	sæ										AS PER DESIGNERS RECOMMENDATION