

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

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No. JDA/EE (Elect-I) /2023/D- 961

Dated: 12.08.2023

CORRIGENDUM

निविदा संख्या 13 / 2023-24 में **BOQ** के आईटम नं0 14 के समस्त बिन्दुओं एवं 17 के समस्त बिन्दुओं को संलग्न दस्तावेजों के अनुसार विस्तृत पढा जावें।

निविदा की अन्य सभी शर्ते यथावत रहेगी।

Executive Engineer (Elect.-I) JDA, Jaipur

Name of Work: Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur

		-	Unit	Rate (Rs.)	Amount
T	Description of Items	Qty	100000	(res.)	(Rs.)
5	supplying, installation, testing & commissioning LV cubical type tested Panel suitable for 415 old. 3 Phase, 4 wire, 50Hz AC supply system fabricated in compartmentalised design				
F	CRCA sheet steel of 2mm thick for frame work and covers, 3mm thick to be covered by the covers of th				
ľ	ous bars of high conductivity DMC/SWC bus but supports, with short circuit with a sound of the section not less than 100mm x 50mm x				
0	ommon copper earth bar of suitable size at the rear with 2 Nos. earth stud, solid				
8	ommon copper earth bar of stitutions size as the decision with a root action to connections from main bus bar to switch gears with required size of AL bus bars and control onnections from main bus bar to switch gears with required size of AL bus bars and control oriring with 2.5 sqmm PVC insulated copper conductor single core cable, cable alleys, cable and part of the control of the cable and cable alleys, cable alleys				
	·				
1) Incomer from Transformer - 3 Nos. & DG 3 Nos.				
o v	200 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC poeartion of fault breaking capacity 50 kA (fice = lcu = lcw = 100%) for 1 sec. electrically perated (EID.), with ES 485 Port on Modbus protocal along with Touch Screen Display, fitted rith interlocked door, automatic safety shutters, mechanical ON/OFF and ervice/test/solated position indicators, zone selective interlocking, ready to close, over impature protection,thermal memory and frame earthing contact, conforming to				
1	C 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with Independent electrical and manual spring closing mechanism-1 No.				
b c tl p	Microprocessor releases based release for adjustable setting for over current, earth fault & snort incut protection with 4 line LCD (R.Y.B.N) with bar graph display for % loading of phases, all three current, neutral current and Voltage, release should self powered requiring no external ower supply, protection against phase unbalance and residual current, over temperature respectives with 50 fault bistory and event history and inbuilt zone selective interlocking in-built				
tl	nermal memory, 4NO/4NC auxiliary contacts with one trip contact, counting the number of perations and contact wear (ACB Life). confirming to IEC:60947/ IS:13947, Part-II/1993 (latest				
14	Undervoltage release for each ACB's-1 No				
P	Digital type Multifunction Meter (IV,KW,KWH,KVA,PE,HZ), 96mm square flush attern with one set of 3 nos. Cl's of 4000/5A Class I accuracy and 15 VA burden - 1 Set.				
Ь	Phase indication LED lamps and breaker ON_OFE,TRIP indicating light, test terminal lock set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking the breaker a regd1 Set				
n	Electrical Interlocking - 1 No.				
h	Over voltage relay -1 Nos. Aux. Contactor + Add On Block 2no+2nc - 3 Nos.				
i	4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. 2A SP Control MCB's for proection of control circuit -7 Nos.				
1)	A/M Selector Switch (1P, 2way With Off) -1 Nos.				
n	06A DP MCB 10kA -3 Nos.				
m) 25A Breaker Control Switch -1 Nos. CT 4000/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders				
Ι.					
	Incomer from DG750KVA 1 Nos. 50 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC coartion of fault breaking capacity 50 kA (ics = icu = icw = 10%) for 1 sec. electrically				
oj	seartion of nature breaking tapacity 30 of the control of the protection of the prot				
II fo	mpature protection,thermal memory and frame earthing contact, conforming to CZ 69947/[S1-3947/Part-II/1993 latest version as amended up-to- date complete with llowing accessories for each				
a)	Independent electrical and manual spring closing mechanism - 1 No.	_			
b) ci th	Microprocessor releases based release for adjustable setting for over current, earn fault & short recuir protection with 4 line LCD (R.Y.B.N) with bar graph display for 8 loading of phases, all rec current, neutral current and Voltage, release should self powered requiring no external receivable respection against phase upshalpace and residual current. Over temperatures				
th	otection with 20 tault history and event history and input zone seascuse incrementing in-built ermal memory, ANO/ANC auxiliary contacts with one trip contact, counting the number of errations and contact wear (ACB Life), confirming to IEC:60947/ IS:13947, Part-II/1993 (latest				
c)	Undervoltage release for each ACB's-1 No				
d) pa	Digital type Multimated Meter (V, KV), KV 1, KV 2 and 15 VA burden - 1 Set.				
bl	Phase indication LED lamps and breaker ON,OFF,TRIP indicating light, test terminal sck set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking the breaker as regd 1 Set				
8)	Over voltage relay -1 Nos.				
			-	A.	W

NAX Contactor + Add On Block 2no+2nc - 3 Nos				
Aux. Contactor + Add On Block 2no+2nc - 3 Nos.				
I high protection 70kA, surge protectors with MPCB for incomer -1 Nos	-			
2A SP Control MCB's for proection of control circuit -7 Nos.	-			
A/M Selector Switch (1P, 2way With Off) -1 Nos.	-+			
6A DP MCB 10kA -3 Nos.	-			
25A Breaker Control Switch -1 Nos.	-+			
three DG Sets (2000KVA -2 Nos & 750KVA -1 Nos) should be auto load sharing basis				
title 105 Sets (2000K VA -2 1058 K 200 K A -1 1058) SHOULD be auto load sharing basis				
ough Synchronising controller of DIEF/Woodward for each DG sets				
Incomer & Bus Coupler should be interlocked with each other as per scheme requirement				
BUS COUPLERS - 2 Nos.				
On Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity				
kA (les = leu = lew=100%) for 1 sec electrically operated (EDO) without release				
ted with interlocked door, automatic safety shutters, mechanical ON/OFF				
d service/test/isolated position indicators and frame earthing contact, conforming to the				
947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following				
ressories for each ACB -1 set				
Independent electrical and manual Spring closing mechanism - 1 No.				
Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per				
Breaker ON, OFF Indicating LED indicating right, test terminal block, circuit wiring a production of read and a second se				
indard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd				
et.	_			
Under Voltgae release-220 V AC - 1 No.				
Electrical Interlocking - 1 No.				
Aux. Contactor + Add On Block 2no+2nc-3 Nos.				-
6A SP MCB 4 Nos.				
25A Breaker Control Switch -1 Nos.				
On Delay Timer (240VAC)-2 Nos.				
A/M Selector Switch (1P, 2way with Off) - 1 Nos.				
i) BUS BARS:				
N aluminium bus bars of minimum of 4000A capacity with heat shrinkable				
loured sleeves and i/c DMC/SMC bus bars supports at required intervals				
mplete, for cross section, size supports & their SPacing etc. for withstanding fault level of				1
MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor).				1
is it is the first the fir				
OUTGODIS				
y) OUTGOING:-				
ction -1				
Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (lcs =				
u = lcw =100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door,		l		1
atomatic safety shutters, mechanical ON/OFF and service/test/isolated position				1
dicators and frame earthing contact with Microprocessor releases based release for adjustable				
tting for over current, earth fault & short circuit protection with 4 line LCD (R,Y,B,N) with bar				
raph display for % loading of phases. all three current, neutral current and Voltage, release				
aph display for % loading or phases, all three current, neutral current and voltage, release				1
ould self powered requiring no external power supply, protection against phase unbalance and				1
sidual current, over temperature protection with 20 fault history and event history and inbuilt				
one selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip				
ontact, counting the number of operations and contact wear (ACB Life). confirming to IEC:60947/			1	
:13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering C1/SAmp - CL-				
0 (3 Nos) , ON,OFF, TRIP Indicating LED.				1
		1		1
4000A EP MIXO Type - 2 Nos				
4000A FP MIXO Type - 2 Nos.				
1250A TP MDO Type - 1 Nos.				
1250A TP MDO Type - 1 Nos.				
1250A TP MDO Type - 1 Nos. ction - 2 Als cition is breaker unto 433V AC 50Hz AC operation of fault breaking capacity 50 kA (less =				
1250A TP MDO Type - 1 Nos. ction - 2 Ari cricuit breaker upto 433V AC, 50Hz, AC opeartion of fault breaking capacity 50 kA (Ics = u = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door,				
1250A TP MDO Type - 1 Nos. ction -2 Arc ricruit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = [cw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tolerable software shortly shutters. mechanical ON/OFF and service/test/shotated position				
1250A TP MDO Type - 1 Nos. rxtion - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = lcw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, utomatic safety shutters, mechanical ON/OFF and service/test/isolated position than the property of the pr				
1250A TP MDO Type - 1 Nos. - ction - 2 Air circuit breaker upto 433V AC, 50Hz, AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tolomatic safety shutters, mechanical ON/OFF and service/test/solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable thing for ower current, earth fault 46 short icircuit protection with 4 line LCD (Ry,RN) with bar				
1250A TP MDO Type - 1 Nos. ction -2 Arc circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = [cw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, toloratic safety shutters, mechanical ON/OFF and service/test/sloaled position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar earth display for \$N_0 long in of phases, all three current, neutral current and Vollage, release				
1250A TP MDO Type - 1 Nos. ction - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Lcs = Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Lcs = u = [cw = 100%] for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, toloratic safety shutters, mechanical ON/OFF and service/testy/solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault de short icruiter protection with fain ELD (Ry,R), with bar aph display for % loading of phases, all three current, neutral current and Voltage, release				
1250A TP MDO Type - 1 Nos. ction - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Lcs = Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Lcs = u = [cw = 100%] for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, toloratic safety shutters, mechanical ON/OFF and service/testy/solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault de short icruiter protection with fain ELD (Ry,R), with bar aph display for % loading of phases, all three current, neutral current and Voltage, release				
1250A TP MDO Type - 1 Nos. ction -2 Art circuit breaker upto 433V AC, 50Hz, AC opeartion of fault breaking capacity 50 kA (Ics = u = [cw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tolomatic safety shutters, mechanical ON/OFF and service/test/Solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for 8 loading of phases. all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and existent current cover temperature protection with 20 fault history and event history and inbuilt of the contraction of the contraction of the cover temperature protection with 20 fault history and event history and inbuilt or the contraction of the contraction of the cover temperature protection with 20 fault history and event history and inbuilt current.				
1250A TP MDO Type - 1 Nos. sction - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA [cs = Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA [cs = Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA [cs = Air circuit breaker upto 433V AC, 50Hz AC				
1250A TP MDO Type - 1 Nos. ction -2 Air circuit breaker upto 433V AC, 50Hz. AC opeartion of fault breaking capacity 50 kA (Ics = u = [cw = 100%] for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tomatic safety shutters, mechanical ON/OFF and service/test/sloalated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with & line LCD (Ry,R),R) with bar aph display for % loading of phases. all three current, neutral current and Voltage, release tould self-powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip puter countries the number of operations and contact wear (ACB Life, confirming to IES-C69947).				
1250A TP MDO Type - 1 Nos. rxion - 2 Art circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, totomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R.7.B.N) with bar paph display for % loading of phases. all three current, neutral current and Voltage, release bould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC-60947/13947, Part-II/1993 dlatest version) with Digital MFM Meter. Metering CT (5Amp - CI, 5Amp				
1250A TP MDO Type - 1 Nos. rxion - 2 Art circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, totomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R.7.B.N) with bar paph display for % loading of phases. all three current, neutral current and Voltage, release bould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC-60947/13947, Part-II/1993 dlatest version) with Digital MFM Meter. Metering CT (5Amp - CI, 5Amp				
1250A TP MDO Type - 1 Nos. ction -2 Air circuit breaker upto 433V AC, 50Hz. AC opeartion of fault breaking capacity 50 kA (Ics = u = [cw = 100%] for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tomatic safety shutters, mechanical ON/OFF and service/test/sloalated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with & line LCD (Ry,R),R) with bar aph display for % loading of phases. all three current, neutral current and Voltage, release tould self-powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip puter countries the number of operations and contact wear (ACB Life, confirming to IES-C69947).				
1250A TP MDO Type - 1 Nos. **ction - 2 Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker) for 150 kg. 10				
1250A TP MDO Type - 1 Nos. **ction - 2 Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker) for 150 kg. 10				
1250A IP MDO Type - 1 Nos. txton - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = lcw = 100×) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, atomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable timing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases. all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and rest history and inbuilt mes selective interlocking in-built thermal memory, 4NO/4NC auxiliary contact with one trip ontact, counting the number of operations and contact wear (ACB Lie), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT:/5Amp - CL-0 (3 Nos) , ON,OFF, TRIP Indicating LED.				
1250A TP MDO Type - 1 Nos. txion - 2 Art circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, totomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar paph display for % loading of phases, all three current, entural current and Voltage, release bould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC.60947/13947, Part-II/993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON,OFF, TRIP Indicating LED.				
1250A TP MDO Type - 1 Nos. viction - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100×) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, atomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable timing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases, all three current, neutral current and Voltage, release tould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt mes selective interlocking in-built thermal memory, 4NO/4NC auxiliary contact with one trip ontact, counting the number of operations and contact wear (ACB Life). confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos) , ON,OFF, TRIP Indicating LED.				
1250A TP MDO Type - 1 Nos. **Citon - 2 **Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = lcw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, interlock and farme earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases. all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC:60947/1:29947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL_0 (3 Nos), ON,OFF, TRIP Indicating LED. [4000A FP MIXO Type - 3 Nos. 1250A TP MIXO Type - 2 Nos.				
1250A TP MDO Type - 1 Nos. **ction - 2 **Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker upto 433V AC, 59Hz AC opeartion of fault breaking capacity 50 kA (Ics = Air circuit breaker ships contact with Microprocessor releases based release for adjustable thing for over current, earth fault & short circuit protection with Aline LCD (RY,RB) with bar aph display for % loading of phases, all three current, neutral current and Voltage, release hould self powered requiring no external power supply, protection against phase unblance and sidual current, over temperature protection with 20 fault history and event history and inbuilt inner selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip innact, counting the number of operations and contact wear (ACB Life), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL_0 (3 Nos) , ON,OFF, TRIP Indicating LED. **4000A FP MDO Type - 3 Nos.** **1250A TP MDO Type - 2 Nos.** **2400B AFP MDO Type - 3 Nos.** **1250A TP MDO Type - 3 Nos.** **1250				
1250A TP MDO Type - 1 Nos. **Ciston - 2 **Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = a.u. cw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, u. cw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, interlocked safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with a line LCD (R.Y.B.N) with bar aph display for % loading of phases, all three current, neutral current and Voltage, release nould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/ANC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC:60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON.OFF, TRP Indicating LED. (0 3 Nos), ON.OFF, TRP Indicating LED. 1250A TP MIDO Type - 2 Nos. 1250A TP MIDO Type - 2 Nos. 1250A TP MIDO Type - 2 Nos. 1260A TP MIDO Type - 2 Nos.				
1250A IP MDO Type - 1 Nos. txton - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = lcw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with & line LCD (R.Y.B.N) with bar aph display for % loading of phases, all three current, neutral current and Vollage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt me selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip nitact, counting the number of operations and contact wear (ACB Lie), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL_0 (3 Nos), ON.OFF, TRIP Indicating LED. [4000A FP MIDO Type - 2 Nos. [1250A TP MIDO Type - 3				
1250A IP MDO Type - 1 Nos. ction - 2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = au - Icw - 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, a lew - 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, to contain safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with a line LCD (R.Y.B.N) with bar paph display for % loading of phases. all three current, neutral current and Voltage, release nould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/ANC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC:60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON.OFF, TRIP Indicating LED. (1250A TP MIDO Type - 3 Nos. 1250A TP MIDO Type - 2 Nos. ction -3 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u-lcw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, document of the control o				
1250A IP MDO Type - 1 Nos. viction -2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, atomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable timing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases. all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and resultary contacts with one trip ontact, counting the number of operations and contact wear (ACB Lie). confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON,OFF, TRIP Indicating LED. 14000A FP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 14000A FP MDO Type - 2 Nos.				
1250A IP MDO Type - 1 Nos. viction -2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, atomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable timing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases. all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and resultary contacts with one trip ontact, counting the number of operations and contact wear (ACB Lie). confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON,OFF, TRIP Indicating LED. 14000A FP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 14000A FP MDO Type - 2 Nos.				
1250A TP MDO Type - 1 Nos. ction - 2 Art circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = a.u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, otherwise a safety shutters, mechanical ON/OFF and service/Itss1/solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R/TB,N) with bar paph display for % loading of phases. all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/ANC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON,OFF, TRIP Indicating LED. 4000A FP MDO Type - 3 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP MDO Type - 12 Nos. 1250A TP MDO				
1250A IP MDO Type - 1 Nos. viction -2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = lcw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, itematic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable time for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases. all three current, neutral current and Vollage, release tould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt me selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip nitact, counting the number of operations and contact wear (ACB Lie), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON.OFF, TRIP Indicating LED. 14000A FP MDO Type - 3 Nos. 11250A TP MDO Type - 2 Nos. 21ct circuit breaker upto 433V AC, 50Hz AC opearation of fault breaking capacity 50 kA (ics = nu = lcw = 100 kg/s) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, u = lcw = 100 kg/s for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, u = lcw = 100 kg/s for 1 sec. manually /electrically operated with a service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar testing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar testing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar testing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar testing f				
1250A TP MDO Type - 1 Nos. **Ciston - 2 **Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = a. Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, otherwise a safety shutters, mechanical ON/OFF and service/Itss1/solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable titing for over current, earth fault & short circuit protection with 4 line LCD (R/TB,N) with bar paph display for % loading of phases. all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unblance and sidual current, over temperature protection with 20 fault history and event history and inbuilt one selective interlocking in-built thermal memory, 4NO/ANC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON,OFF, TRIP Indicating LED. 4000A FP MDO Type - 3 Nos. 1250A TP MDO Type - 2 Nos. **Litton-3** Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = [cw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, use fixed stores and frame earthing contact with Microprocessor releases based release for adjustable intended to over current, earth fault & short circuit protection with 4 line LCD (Ry,NB) with barting for over current, earth fault & short circuit protection with 4 line LCD (Ry,NB) with barting for over current, earth fault & short circuit protection with 4 line LCD (Ry,NB) with barting for over current, earth fault & short circuit protection with 4 line LCD (Ry,NB) with barting for over current, earth fault & short circuit protection with 4 line LCD (Ry,NB) with barting for over				
1250A IP MDO Type - 1 Nos. viction -2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = lew + 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, itomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable time for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases, all three current, neutral current and Vollage, release tould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt me selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip nitact, counting the number of operations and contact wear (ACB Lie), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON.OFF, TRIP Indicating LED. 14000A FP MDO Type - 3 Nos. 11250A TP MDO Type - 2 Nos. 21cm -1 Sec. 10				
1250A TP MDO Type - 1 Nos. tion -2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable timing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases, all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt mes selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON,OFF, TRIP Indicating LED. 4000A FP MDO Type - 3 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP microcal transplay (electrically operated (EDO), fitted with interlocked door, outcomatic safety shutters, mechanical ON/OFF and service/test/solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable trips for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with barraph display for % loading of phases, all three current, neutral current and Voltage, release nould self powered requiring no external power supply, protection against phase unbalance and inbuilt thermal memory. ANO/ANC auxiliary contacts with one trips of the protection with a line LCD (R.Y.B.N) with barraph display for % loading of phases, all three current, neutral current and Voltage, release in out of the protection with a line LCD (R.Y.B.N) with barraph display for % loadin				
1250A TP MDO Type - 1 Nos. tion -2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, tomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable timing for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases, all three current, neutral current and Voltage, release would self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt mes selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip ontact, counting the number of operations and contact wear (ACB Life), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON,OFF, TRIP Indicating LED. 4000A FP MDO Type - 3 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP MDO Type - 2 Nos. 1250A TP microcal transplay (electrically operated (EDO), fitted with interlocked door, outcomatic safety shutters, mechanical ON/OFF and service/test/solated position dicators and frame earthing contact with Microprocessor releases based release for adjustable trips for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with barraph display for % loading of phases, all three current, neutral current and Voltage, release nould self powered requiring no external power supply, protection against phase unbalance and inbuilt thermal memory. ANO/ANC auxiliary contacts with one trips of the protection with a line LCD (R.Y.B.N) with barraph display for % loading of phases, all three current, neutral current and Voltage, release in out of the protection with a line LCD (R.Y.B.N) with barraph display for % loadin				
1250A IP MDO Type - 1 Nos. viction -2 Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = u = lew + 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, itomatic safety shutters, mechanical ON/OFF and service/test/isolated position dicators and frame earthing contact with Microprocessor releases based release for adjustable time for over current, earth fault & short circuit protection with 4 line LCD (R.Y.B.N) with bar aph display for % loading of phases, all three current, neutral current and Vollage, release tould self powered requiring no external power supply, protection against phase unbalance and sidual current, over temperature protection with 20 fault history and event history and inbuilt me selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip nitact, counting the number of operations and contact wear (ACB Lie), confirming to IEC.60947/13947, Part-II/1993 (latest version) with Digital MFM Meter, Metering CT/5Amp - CL-0 (3 Nos), ON.OFF, TRIP Indicating LED. 14000A FP MDO Type - 3 Nos. 11250A TP MDO Type - 2 Nos. 21cm -1 Sec. 10				

a) 1600A EDATES		1	8545000	-
a) 1600A FP MIXO Type - 1 Nos.	Nos.		55 15000	8545000
Supplying installation tosting & commissioning LV mitigals and Ranel				
compartmentalized design from CRCA sheet steel of 2mm third for form work and				
			1	
for powder coating in approved shade, having a mismage complete with 9 tank place for powder coating in approved shade, having 4000 Amps capacity extensible type in Aluminium Alloy bus bars of high conductivity DMC/SMC bus bar supports, with short continuous and the short continuous than the short continuous that the short continuous than the short continuous than the short continuous than the short continuous than the short continuous that the short continuous than the short continuous than the short continuous than the short continuous than the short continuous that the short conti				1
				1
				l .
Ishall have a common copper earth bar of suitable size at the rear with 2 Nos. earth study				
solid connections from main bus bar to switch gears with required size of Al. bus bars and control wiring with 2.5 sqmm PVC insulated copper conductor single core cable, cable alleys, cable alleys, cable and single core cable, and should				1
cable gland plates in two half, i/c providing and fixing following switch gears. Panel should				1
DC Designed as per IEC 61439-2 and OEM/System nouse. This also including all accessives				1
complete in all respect ,includes Gel earthing and foundation etc.				
(i) Incomer from Transformer 1600KVA - 2 Nos.	_			
2500 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC				
opeartion of fault breaking capacity 50 kA (lcs = lcu = lcw =100%) for 1 sec. electrically				
operated (EDO), with RS 485 Port on Modbus protocal along with Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and				1
service/test/isolated position indicators, zone selective interlocking, ready to close, over			I	
tempature protection, thermal memory and frame earthing contact, conforming to			1	
IEC 60947/IS-13947/Part-11/1993 latest version as amended up-to-date complete with			1	
following accessories for each ACB.				
a) Independent electrical and manual spring closing mechanism - 1 No. b) Microprocessor releases based release for adjustable setting for over current, earth fault & short				
circuit protection with 4 line LCD (R,Y,B,N) with bar graph display for % loading of phases. all				
three current, neutral current and Voltage, release should self powered requiring no external				
power supply, protection against phase unbalance and residual current, over temperature protection with 20 fault history and event history and inbuilt zone selective interlocking in-built				
thermal memory, 4NO/4NC auxiliary contacts with one trip contact, counting the number of				
operations and contact wear (ACB Life). confirming to IEC:60947/ IS:13947, Part-II/1993 (latest				1
version) 1 set.	_			-
c) Undervoltage release for each ACB's- 1 No d) Digital type Multifunction Meter (IV,KW,KWH,KVA,PF,HZ), 96mm square flush	\dashv			
pattern with one set of 3 nos. CT's of 2500/5A Class I accuracy and 15 VA burden - 1 Set.				
e) Phase indication LED lamps and breaker ON,OFF,TRIP indicating light , test terminal				
block set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking	- 1			
of the breaker as reqd 1 Set				
of the breaker as reqd 1 Set f) Electrical Interlocking - 1 No. e)Core voltage relay - 1 Nos.				
of the breaker as read 1 Set) Electrical Interlocking - 1 No. g/Over voltage relay - 1 Nos.) Aux Contactor + Add On Block 2no+2nc - 3 Nos.				
of the breaker as regd 1 Set) Electrical Interlocking - 1 No. (2)Over voltage relay - 1 Nos.) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.) A Pub protection 70KA, surge protectors with MPCB for incomer -1 Nos.				
of the breaker as reqd 1 Set 0				
of the breaker as reqd1 Set Delectrical Interlocking -1 No. () Dever voltage relay -1 Nos. () Dever voltage relay -1 Nos.) Aux. Contactor + Add On Block 2no+2nc -3 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) 2A SP Control MCB's for proection of control circuit -7 Nos.) A/M Selector Switch (IP, 2way With Off) -1 Nos.) (0 AG D PM CB 10kA -3 Nos.				
of the breaker as reqd 1 Set Dilectrical Interflocking - 1 No. Dilectrical Interflocking - 1 No. Diver voltage relay - 1 Nos. Naw. Contactor + Add On Block 2no+2nc - 3 Nos. Away. Contactor + Add On Block 2no+2nc - 3 Nos. AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos. DA SP Control MCB's for proection of control circuit -7 Nos. AP MS-Glectro-Switch (IP, 2way With Off) -1 Nos. Do AD P MCB 10kA -3 Nos. DA SP Resides Control Switch I. DA SP Resides Control Switch I. Da SP R Resides Control Switch I. Date P R Resides R R R R R R R R R R R R R R R R R R R				
of the breaker as reqd 1 Set) Electrical Interlocking - 1 No. g/Over voltage relay - 1 Nos. h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos. h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.) 2P high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) 2A SP Control MCBs for procection of control circuit -7 Nos. k) Af M Selector Switch (IP, 2way With Off) -1 Nos.) (0A DP MCB 10kA -3 Nos. m) 2SA Breaker Control Switch -1 Nos. n) CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders				
of the breaker as reqd 1 Set) Electrical Interlocking - 1 No. g/Over voltage relay - 1 Nos. h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos. h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.) AP Dight protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP Selectron Switch (IP, 2way With Off) - 1 Nos. k) Af M Selectro Switch (IP, 2way With Off) - 1 Nos.) (06A DP MCB 10kA -3 Nos. m) ES M Frasker Control Switch -1 Nos. n) CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders (ii) Incomer from DG - 1250KVA 1 Nos.				
of the breaker as reqd 1 Set Dilectrical Interlocking - 1 No. Dilectrical In				
of the breaker as reqd1 Set Di Electrical Interfocking -1 No. RiCover voltage relay -1 Nos. Now. Contactor + Add Con Block Zno+2nc -3 Nos. J 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. J 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. J 4P Selectro Switch (IP', 2way Wilh CM) -1 Nos. J A M Selectro Switch (IP', 2way Wilh CM) -1 Nos. J 6A D M MCB 10kA -3 Nos. J 5A Breaker Control Switch -1 Nos. N CT 2500/5A Class 1 accuracy for APC relay sensing 3 Nos. Only for transformer feeders J 1				
of the breaker as reqd 1 Set				
of the breaker as reqd1 Set Di Electrical Interfocking -1 No. More voltage relay -1 Nos. Park More voltage relay -1 Nos. Park Park Park Park Park Park Park Park Park Park Park Park Park Park				
of the breaker as reqd1 Set Di Electrical Interlocking -1 No. Dever voltage relay -1 Nos. Dever voltage relay -1 Nos. Alva Contactor + Add On Block 2no+2nc -3 Nos. Alva Phip protection 70kA, surge protectors with MPCB for incomer -1 Nos. Alva Phip protection 70kA, surge protectors with MPCB for incomer -1 Nos. Alva Phip protection for Phip protection of control circuit -7 Nos. Alva Na Selector Switch (IP, 2way With Off) -1 Nos. Alva Na Selector Switch (IP, 2way With Off) -1 Nos. Oka DP MCB 10kA -3 Nos. CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders on Comparation of fault breaking capacity 50 kA (ics = Icu = Icw =100%) for 1 sec. electrically operated (EDC) with RS 485 Fort on Modbus protocal along with Touch Sereen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/solated position indicators, zone selective interlocking, ready to Close, over tempature protection.thermal memory and frame earthing contact, conforming to EEC 60947/5-13947/Part-II/1973 latest version as amended up-to-date compilete with				
of the breaker as reqd 1 Set) Electrical Interlocking - 1 No. p(Over voltage relay - 1 Nos. h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos. h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP Set Control MCB's for procection of control circuit -7 Nos. k) Af M Selector Switch (IP, 2way With Off) -1 Nos.) Af M Selector Switch (IP, 2way With Off) -1 Nos.) DOP MCB 10kA-3 Nos. m) ZSA Breaker Control Switch -1 Nos. n) CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders (ii) Incomer from DG - 1250KVA 1 Nos. 2000 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC operation of fault breaking apsenty 50 kA (tes - Icu - Icw -100%) for 1 sec. electrically operated (EDC), with RS 485 Port on Modbus protocal along with Touch Screen Display, fitted with interlocked door, automatic safety-shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempnature protection.thermalmemory and frame earthing contact conforming to				
of the breaker as reqd1 Set) Electrical Interlocking -1 No. gl/Over vollage relay -1 Nos. h) Aux. Contactor + Add On Block 2no+2nc -3 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP Selector Switch (IP, 2way With Off) -1 Nos. k) Af M Selector Switch (IP, 2way With Off) -1 Nos. 1) 06A DP MCB 10kA -3 Nos. m) 25A Breaker Control Switch -1 Nos. n) CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders (ii) Incomer from DG-1250KVA 1 Nos. (iii) Incomer from DG-1250KVA 1 Nos. 2000 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = [cu = [cw =100%) [or 1 sec. electrically operated (IDC)), with R5 48F Port on Modbus protocal along with Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/ test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection.thermal memory and frame earthing contact conforming to following accessories for each ACB.				
of the breaker as reqd1 Set) Electrical Interlocking -1 No.) Electrical Interlocking -1 No.) (Dever vollage relay -1 Nos.) AV vollage relay -1 Nos.) AV high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP Selectro Switch (IP, 2way With Off) -1 Nos.) (DeA DP MCB 10kA-3 Nos. 1) SEA Preaker Control Switch -1 Nos. 1) CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders on CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders (ii) Incomer from DG-1250KVA 1 Nos. 2000 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = Icu = Icw =100%) for 1 sec. electrically operated (EDC), with RS 465 Port on Modbus protocal along with Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection.thermal memory and frame earthing contact conforming to ICC 6047/15-13947/Par1-II/1993 latest version as amended up-to-date complete with following accessories for each ACB. a) Independent electrical and manual spring closing mechanism -1 No. b) Microprocessor releases based release for adjustable setting for over current, earth fault & short.				
of the breaker as reqd1 Set Di Electrical Interlocking -1 No. Decret ollarge relay -1 Nos. Decret ovoltage relay -1 Nos. Decret ovoltage relay -1 Nos. Ave. Contactor + Add On Block 2not-2nc -3 Nos. 34 Phigh protection 708.4, surge protectors with MPCB for incomer -1 Nos. 32 A SP Control MCR's for proceeding of control circuit -7 Nos. 2A SP Control MCR's for proceeding of control circuit -7 Nos. 2A SP Control MCR's for proceeding of control circuit -7 Nos. 35 A Breaker Control Switch -1 Nos. 35 A Breaker Control Switch -1 Nos. Control Switch -1 N				
of the breaker as reqd1 Set Di Electrical Interfocking -1 No. (Nover voltage relay -1 Nos. Now. Voltage relay -1 Nos. Naw. Contactor + Add On Block Zno+2nc -3 Nos. Phylip protection 70k.A., surge protectors with MPCB for incomer -1 Nos. Phylip protection 70k.A., surge protectors with MPCB for incomer -1 Nos. Phylip protection 70k.A., surge protectors with MPCB for incomer -1 Nos. Phylip Protection MCBs for protection of control circuit -7 Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.				
of the breaker as reqd1 Set Di Electrical Interlocking -1 No. Di Arriva Voltage relay -1 Nos. Alectrical Interlocking -1 Nos. De App P MCB 10K-3 Nos. Di Arriva Nos. Di Arr				
of the breaker as reqd1 Set Di Electrical Interlocking -1 No. (Nover voltage relay -1 Nos. Naux Contactor + Add On Block Zno+2nc -3 Nos. Part Voltage relay -1 Nos. Part Voltage				
of the breaker as reqd1 Set Di Electrical Interfocking -1 No. Richard Interfocking -1 No. Part Richar				
of the breaker as reqd1 Set Disectrical Interlocking -1 No. Dever voltage relay -1 Nos. Dever voltage relay -1 Nos. Dever voltage relay -1 Nos. All Kiph protection 70kA, surge protectors with MPCB for incomer -1 Nos. 34 Phigh protection 70kA, surge protectors with MPCB for incomer -1 Nos. 32 A FP Centrol MCR's for proceeding of control circuit -7 Nos. 32 A FP Centrol MCR's for proceeding of control circuit -7 Nos. 34 Phigh protection 70kA, surge protectors of control circuit -7 Nos. 35 A Fracker Control Switch -1 Nos. 36 Phic Pi Olso A Soc. 36 Phic Pi Olso A Soc. 36 Phic Pi Olso A Soc. 37 Phic Pi Olso A Soc. 37 Phic Pi Olso A Soc. 38 Phic Pi Olso A Soc. 39 Phic Pi Olso A Soc. 30 P				
of the breaker as reqd1 Set Di Electrical Interlocking -1 No. (Nover voltage relay -1 Nos. Nos. Nov. Contactor + Add On Block Zno+Znc -3 Nos. Plant Plant Plant Plant Plant				
of the breaker as reqd1 Set) Electrical Interlocking -1 No. (B) Der vollage relay -1 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP high protection 70kA, surge protectors with MPCB for incomer -1 Nos.) AP Selectro Switch (IP, 2way With Off) -1 Nos. 1) 6A DP MCB 10kA -3 Nos. m) 2SA Breaker Control Switch 1-1 Nos. 1) 06A DP MCB 10kA-3 Nos. m) 2SA Breaker Control Switch 1-1 Nos. n) CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders (ii) Incomer from DG-1250KVA 1 Nos. 2000 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = Icu = Icw =100%) for 1 sec. electrically operated (EDC), with RS 485 Port on Modbus protocal along with Touch Sereme Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection.thermal memory and frame earthing contact conforming to Indicators, and frame earthing contact conforming to Indicators and the Indicator of Indicators of Indi				
of the breaker as reqd1 Set Discritical Interlocking -1 No. Discritical In				
of the breaker as reqd1 Set) Electrical Interlocking -1 No. () Power voltage relay -1 Nos. () 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. () 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. () AP MCB Control Switch (IP, 2way Vith Off) -1 Nos. () AP MCB Control Switch (IP, 2way Vith Off) -1 Nos. () 06A DP MCB 10kA-3 Nos. () 10 GA DP MCB 10kA-3 Nos. () 10 GA DP MCB 10kA-3 Nos. () 10 GA DP MCB 10kA-3 Nos. () 10 FA Breaker Control Switch -1 Nos. () 10 FA DP MCB 10kA-3 Nos. () 10 FA Breaker Control Switch -1 Nos. () 10 FA DP MCB 10kA-3 Nos				
of the breaker as reqd1 Set) Electrical Interlocking -1 No. (B)Over voltage relay -1 Nos.) AP high protection 70k.A., surge protectors with MPCB for incomer -1 Nos.) 4P high protection 70k.A., surge protectors with MPCB for incomer -1 Nos.) 4P high protection 70k.A., surge protectors with MPCB for incomer -1 Nos.) 4P high protection 70k.A., surge protectors with MPCB for incomer -1 Nos.) 5. A Foother Switch (IP, 2way With CMF) -1 Nos. 1) 06A DP MCB 10k.A. 3 Nos. m) 2SA Breaker Control Switch -1 Nos. n) CT 2500/5A Class 1 accuracy for APFC relay sensing 3 Nos. Only for transformer feeders (ii) Incomer from DC -1250KVA 1 Nos. 2000. Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (ics = icu = icw =100%) for 1 sec. electrically operated (EDO), with RS 488 Port on Modbus protocal along with Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection, thermal memory and frame earthing contact, conforming to IEEC 60947/15-13947/Par1-II/1993 latest version as amended up-to-date complete with interlocked and manual spring closing mechanism -1 No. 3) Independent electrical and manual spring closing mechanism -1 No. 3) Microprocessor releases based release for adjustable setting for over current, earth fault & short increut protection with 4 line LCD (Ry,R,N) with har graph display for % loading of phases all hire current, neutral current and Voltage, release should self powered requiring no external between the current of the protection and the surge of the protection with a fine LDC (Ry,R,N) with har graph display for % loading of phases all hire current, neutral current and Voltage, release should self powered requiring no external however supply, protection against phase unbalance and residual current, over temperature protection with 30 fault history and event history and				
of the breaker as reqd1 Set Di Electrical Interfocking -1 No. (Nover voltage relay -1 Nos. Naw. Contactor + Add On Block Zno+Znc -3 Nos. Phylap protection 70k.A. surge protectors with MPCB for incomer -1 Nos. Phylap protection 70k.A. surge protectors with MPCB for incomer -1 Nos. Phylap protection 70k.A. surge protectors with MPCB for incomer -1 Nos. Phylap protection 70k.A. surge protectors with MPCB for incomer -1 Nos. Phylap protection 70k.A. surge protectors with MPCB for incomer -1 Nos. Phylap PMCB 10k.A. 3 Nos. Phylap MCB 10k				
of the breaker as reqd1 Set Discritical Interlocking -1 No.				

A) A/M Selector Switch (1P, 2way With Off) -1 Nos.			
2/11/ M Delector Surisch (1P. 2way With Off) -1 Nov	 		
TOOK DP MCR 10LA -3 Nos			
m) 25A Breaker Control Switch -1 Nos.			
(ii) Incomer from DG - 500KVA 1 Nos.			
800 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC		1	
operation of fault breaking capacity 50 kA (Ics = Icu = Icw = 100%) for 1 sec. electrically operated (EDO), with RS 485 Port on Modbus protocal along with Touch Screen Display, fitted			
with interlocked door, automatic safety shutters, mechanical ON/OFF and			1
service/test/isolated position indicators, zone selective interlocking, ready to close, over			1
tempature protection, thermal memory and frame earthing contact, conforming to			
11. 5094//15-1394//Part-11/1993 latest version as amended up-to-date complete with		1	
following accessories for each ACB.			1
a) Independent electrical and manual spring closing mechanism - 1 No. b) Microprocessor releases based release for adjustable setting for over current, earth fault & short			
circuit protection with 4 line LCD (R,Y,B,N) with bar graph display for % loading of phases. all			1
three current, neutral current and Voltage, release should self powered requiring no external	1		1
power supply, protection against phase unbalance and residual current, over temperature	1		1
protection with 20 fault history and event history and inbuilt zone selective interlocking in-built	1	1	
thermal memory, 4NO/4NC auxiliary contacts with one trip contact, counting the number of			
operations and contact wear (ACB Life). confirming to IEC:60947/ IS:13947, Part-II/1993 (latest			
version) 1 set.			-
c) Undervoltage release for each ACB's- 1 No			
d) Digital type Multifunction Meter (IV,KW,KWH,KVA,PF,HZ), 96mm square flush		-	
pattern with one set of 3 nos. CT's of 800/5A Class I accuracy and 15 VA burden - 1 Set.			
e) Phase indication LED lamps and breaker ON,OFF,TRIP indicating light , test terminal			
block set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking			
of the breaker as reqd 1 Set	 		
f) Electrical Interlocking - 1 No.	 		
g)Over voltage relay -1 Nos.			-
h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.			_
i) 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. i) 2A SP Control MCB's for proection of control circuit -7 Nos.			
k) A/M Selector Switch (1P, 2way With Off) -1 Nos.			
I) 06A DP MCB 10kA -3 Nos.			
m) 25A Breaker Control Switch -1 Nos.			
Both the DG Sets (1250KVA -1 Nos & 500KVA -1 Nos) should be auto load sharing basis through			
Synchronising controller of DIEF/Woodward for each DG sets	 		
All Incomer & Bus Coupler should be interlocked with each other as per scheme requirement	1		
60 RUC COURLERS 1 No.			
(ii) BUS COUPLERS - 1 No.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (ics = Icu = Icw=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ics = Icu = Icw=100%) for 1 sc .electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity for λ (λ (λ = λ			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ics = Icu = Icw=100%) for 1 sc .electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ics = Icu = Icw=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/solated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ics = Icu = Icw=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947//Part-II[1993] latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism - 1 No.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ics = Cu = Icw=10%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/sloslated position indicators and frame earthing contact, conforming to IEC 60497/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACE-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON/OFF Indicating IED indicating light, test terminal block, circuit wiring as per			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (ic. = Icu = Icu=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Part-II/1993 altest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON/OFF Indicating LED Indicating light test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ecs = Cus = Icw=10%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/solated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism - 1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. 1 set. c) Under Voltgae release-220 V AC-1 No.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (lcs = fcu = lcw=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/solated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB -1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking -1 No.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ecs = Cu = Icw=10%) for 1 sec electrically operated (EEO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/testy/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1999. Iatest version as amended up-to-date complete with following accessories for each ACE -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. 1 set; o; Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. e) Aux. Contactor +Add On Block Zno+2nc-3 Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu = Icw=100%) for 1 sec. electrically operated (EDO) without release, fitted with interlocked door, automatic safety-shutters, mechanical ON/OFF and service/tes/sloated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON,OFF Indicating LED indicating light test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking -1 No. e) Aux. Contactor +Add On Block 2no+2nc-3 Nos. 0.6.5 P MCB - Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (lcs = fcu = cw=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/testy/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-111/1993 latest version as amended up-to-date complete with following accessories for each ACE -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2no-3 Nos. f) 6A SP MCB 4 Nos. j 258 Breaker Control Switch -1 Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ces = Cus = Icw=100%) for 1 sec. electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/tes/solated position indicators and frame earthing contact, conforming to IEC 60947/15-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism - 1 No. b) Breaker ON/OFF indicating IED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd1 set. c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking - 1 No. e) Aux. Contactor + Add On Block Zno+2nc-3 Nos. f) 6A SP MCB - 4 Nos. g) 25A Breaker Control Switch - 1 Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ecs = Cu = cw=100%) for 1 sec electrically operated (EEO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SP MCB 4 Nos. g) 258 Breaker Control Switch -1 Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=10%) for 1 sec. electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SF MCB 4 Nos. g) 258 Resaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Selector Switch (IP, 2way with Off) -1 Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=10%) for 1 sec. electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SF MCB 4 Nos. g) 258 Resaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Selector Switch (IP, 2way with Off) -1 Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec. celetrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/tes/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACE-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking-1 No. e) Aux. Contactor +Add On Block 2no+2nc-3 Nos. f) 6A SF MCB-4 Nos. f) 6A OFF MCB-4 Nos. h) On Delay Timer (240VAC)-2 Nos. h) On Delay Timer (240VAC)-2 Nos. f) A/M Selector Switch (IP, 2way with Off) -1 Nos. f) Jon Delay Timer (240VAC)-2 Nos. f) A/M Selector Switch (IP, 2way with Off) -1 Nos. f) In Missing Serves and i/C DMC/SMC bus bars supports at required intervals			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ecs = Cu = Icw=10%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/testy/sloaled position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACE-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. 1 set. c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking-1 No. d) Aux. Contactor +Add On Block Zno+2nc-3 Nos. f) 6A 5P MCB 4 Nos. g) 25A Breaker Control Switch 1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Selector Switch (IP, 2way with Off) -1 Nos. (iii) BUS BARS: TIVN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/5MC bus bars supports at required intervals convoluted for cross section, size supports as the convolute of core withstanding fault level of			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=10%) for 1 sec. electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SF MCB 4 Nos. g) 258 Resaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Selector Switch (IP, 2way with Off) -1 Nos.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec electrically operated (EEO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd1 set c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SP MCB 4 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. j) A/M Selector Switch (IP, 2way with Off) -1 Nos. (III) BUS BARS: TIVN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & the FSPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor).			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec electrically operated (EEO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACE -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. 1 set c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SP MCB 4 Nos. g) 25A Breaker Control Switch -1 Nos. h) Cn Delay Timer (240VAC)-2 Nos. g) A/M Sclector Switch (IP, 2way with Off) -1 Nos. (iii) BUS BARS: TIPN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor).			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ges = Cu = leve-100%) for 1 sec. celetrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/tes/isolated position indicators and frame earthing contact conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB 1 set a) Independent electrical and manual Spring closing mechanism - 1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. c) Under Voltgae release-220 V AC - 1 No. d) Electrical Interlocking - 1 No. e) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A5 PM CEJ 4 Nos. f) AGS PM CEJ 4 Nos. f) AGS PM CEJ 4 Nos. f) AGS PM CEJ 5 Nositch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) On Delay Timer (240VAC)-2 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - 1 Nos. f) AM Selector Switch (IP, 2way with Off) - Nos. f) AM Selector Switch (IP,			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = cw.=100%) for 1 sec. celetrically operated (EEO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/testy/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SF MCB 4 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Selector Switch (IP, 2way with Off) -1 Nos. (iii) BUS BASS. TPN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). [Interval of the control Switch of 1 sec. manually /electrically operated (EDO), fitted with interlocked door.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec. celetrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/tes/isolated position indicators and frame earthing contact conforming to IEC 60947/IS-13947/Part.IJ (1993) latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd1 set. c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking-1 No. e) Aux. Contactor *Add On Block 2no+2nc-3 Nos. f) 6A5 PM CAF 3 Nos. f) 7A Selector Switch IT, 2way with Off) -1 Nos. f) 7A MS elector Switch IT, 2way with Off) -1 Nos. f) 7A MS elector Switch IT, 2way with Off) -1 Nos. f) 7A MS elector Switch IT, 2way with Off) -1 Nos. f) 7A MS elector Switch IT, 2way with Off) -1 Nos. f) 8D S BARS. TN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). f) Air circuit breaker upto 433V AC, 50Hz. AC opeartion of fault breaking capacity 50 kA (Ica = Icw = 100%) for 1 sec. manually electrically operated (EDO), fitted with interlocked door.			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec. electrically operated (EEO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/sloalted position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd1 set c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. c) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SF MCB 4 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Selector Switch (IP, 2way with Off) -1 Nos. (iii) BUS BASS. TPN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and 1/c DMC/SMC bus bars supports at required intervals complete, for cross section size supports & Faeing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). (iv) OUTGOING-Section 5 section 5 and 5 and 5 are required intervals complete, for cross section size manually /electrically operated (EICD), fitted with interlocked door automatic safety shutters, mechanical ON/OFF and service/test/isolated position appears and service test/isolated pos			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (lcs = fcu = lcw=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/solated position indicators and frame earthing contact conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism - 1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking - 1 No. e) Aux. Contactor + Add On Block 2no+2nc-3 Nos. fo 6AS PMCB - 4 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Sclector Switch (IF, 2way with Off) - 1 Nos. (iii) BUS BARS: TN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). (iv) OUTGOING- Section -1 j) Air circuit breaker upto 433V AC, 50Hz AC opearation of fault breaking capacity 50 kA (Ics = low = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/solated position indicators and farme earthing connect with Microprocessor releases based CDO. By adjustable line automatic safety shutters, mechanical on/A/OFF and service/test/solated position indicators and farme earthing contact with Microprocessor releases based CDO. By adjustable line automatic safety shutters, mechanical on/A/OFF and service/test/solated position indicators and farme earthing contact with Microproc			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = cw.=100%) for 1 sec. electrically operated (EEO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/solated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-11/1993 latest version as amended up-to-date complete with following accessories for each ACS -1 set a) Independent electrical and manual Spring closing mechanism -1 No. b) Breaker ON/OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd1 set. c) Under Voltgae release-220 V AC -1 No. d) Electrical Interlocking -1 No. e) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6A SF MCB 4 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC)-2 Nos. g) A/M Selector Switch (IP, 2way with Off) -1 Nos. (iii) BUS BASS. TPN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). [(iv) OUTGOING-Section Section size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). [(vi) OUTGOING-Section Section size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor).			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec. celetrically operated (EDO) without release, fitted with interlocked door, automatic sackly shutters, mechanical ON/OFF and service/tes/isolated position indicators and frame earthing contact conforming to IEC 60947/IS-13947/Part.IJ/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd1 set. c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking-1 No. e) Aux. Contactor + Add On Block 2no+2nc-3 Nos. f) 6AS PM CB-3 Nos. g) 25A Breaker Control Switch -1 Nos. h) On Delay Timer (240VAC-2 Nos. g) 7/M Selector Swritch (IP, 2way with Off) -1 Nos. (iii) BUS BARS: TIV aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and 1/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). (iv) OUTGOING-Section -1 1) Aur Grutu breaker upto 433V AC, 50Hz AC operation of fault breaking capacity 50 kA (Ics. = Icw. +100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door automatic safety shutters, mechanical ON/OFF and service test's loaded door automatic safety shutters, mechanical ON/OFF and service test's loaded of sociations and frame earthing contact with Microprocessor releases based release for adjustable setting for over current, earth fault & short circuit protection with 4 line LCD (Ry.) with bars setting for over current, earth all Carpent and Voltage, release			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ces = Cus = Icw=100%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/tes/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Par-II/1993 latest version as amended up-to-date complete with following accessories for each ACE -1 set a) Independent electrical and manual Spring closing mechanism - 1 No. b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd1 set. c) Under Voltigae release-220 V.AC - 1 No. d) Electrical Interlocking - 1 No. c) Aux. Contactor *Add On Block 2no+2nc+3 Nos. f) 6A SF MCD 4 Nos. h) On Delay Timer (240VAC)-2 Nos. h) On Delay Timer (240VAC)-2 Nos. h) On Delay Timer (240VAC)-2 Nos. f) AM Selector Switch (IP, Zway with Off) -1 Nos. (iii) BUS BARS. TN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). (iv) OUTCOING: Section -1 Air circuit breaker upto 433V AC, 50Hz AC opearation of fault breaking capacity 50 kA (Ics = Icw = 100%) for 1 sec. manually /electrically operated (EDO), fitted with interlocked door automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact with Microprocessor releases based release for adjustable indicators and frame earthing contact with Sucreprocessor releases based release for adjustable indicators and frame earthing contact with Sucreprocessor releases based release for adjustable indicators and frame earthing contact with Sucreprocessor releases based r			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec. celetrically operated (EDO) without release, fitted with interlocked door, automatic safety-shutters, mechanical ON/OFF and service/text/sloated position indicators and frame earthing contact conforming to IEC 60947/15-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON,OFF Indicating LED indicating light test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. 1 set. c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking -1 No. e) Aux. Contactor +Add On Block Zno+2 Nos. D 6AS PM CBA = Nos. m) 25A Breaker Control Switch -1 Nos. h) Cn Dealy Timer (240VAC-2 Nos. D) A/M Selector Switch (IP, 2way with Off) -1 Nos. m) On Dealy Timer (240VAC-2 Nos. D) A/M Selector Switch (IP, 2way with Off) -1 Nos. m)			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ics = Icu = Icw=10%) for 1 sec electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and servicy (Ics) (Solded pool) automatic safety shutters, mechanical ON/OFF and servicy (Ics) (Solded pool) and Ics of the Ics of Solded Ics of			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ces = Cus - Icw-10%) for 1 sex celetrically operated (EDO) without release, and service/test/solated position indicators and frame earthing contact, conforming to IEC 60947/15-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism - 1 No. b) Breaker ON,OFF Indicating IED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. 1 set. c) Under Voltgae release-220 V AC - 1 No. d) Electrical Interlocking - 1 No. e) Aux. Contactor + Add On Block 2no+2nc-3 Nos. fo AS PMCB = 4 Nos. g) 25A Breaker Control Switch - 1 Nos. h) Cho Palay Timer (240VAC) - 2 Nos. d) A/M Selector Switch (IP, 2way with Off) - 1 Nos. (iii) BUS BARS: TN aluminium bus bars of minimum of 3000A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete, for cross section, size supports & their SPacing etc. for withstanding fault level of 31 MVA for 1 Sec. (For this the current capacity/density shall not be the limiting factor). (iv) OUTGOING- Section -1 j Air circuit breaker upto 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = current capacity of the standard of the secting for one secting on external power supply, protection against phase unbalance and should self powered requiring no external power supply, protection against phase unbalance and should self powered requiring no external power supply, protection against phase unbalance and should self powered requiring no external power supply, protection against phase unbalance and should self powered requiring no external power supply, protection against phase unbalance and should self powered requiring no external power supply, protection against phase unbalance and should self powered requirin			
2500 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Cs. = Cu. = Icw=100%) for 1 sec. celetrically operated (EDO) without release, fitted with interlocked door, automatic safety-shutters, mechanical ON/OFF and service/text/sloated position indicators and frame earthing contact conforming to IEC 60947/15-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB-1 set a) Independent electrical and manual Spring closing mechanism-1 No. b) Breaker ON,OFF Indicating LED indicating light test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd. 1 set. c) Under Voltgae release-220 V AC-1 No. d) Electrical Interlocking -1 No. e) Aux. Contactor +Add On Block Zno+2 Nos. D 6AS PM CBA = Nos. m) 25A Breaker Control Switch -1 Nos. h) Cn Dealy Timer (240VAC-2 Nos. D) A/M Selector Switch (IP, 2way with Off) -1 Nos. m) On Dealy Timer (240VAC-2 Nos. D) A/M Selector Switch (IP, 2way with Off) -1 Nos. m)			

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a) 2500A FP MDO Type - 2 Nos.				
5/1000A IP MDO Type - 1 Nos				
Action -2				
9) Air circuit breaker upto 433V AC, 501E AC opeartion of fault breaking capacity 50 kA (fcs * [cs *] cw = [100%) for 1 sec. manually /electrically operated (EICO), fitted with interlocked and contact safety shutters. mechanical ON/OFF and service/test/solated position materials and trame earthing contact with Microprocessor releases based release for adjustable setting for over current, earth fault & short circuit protection with 4 line LCD (Ry,R), with bar graph display for * loading of phases all three current, eneutral current and Voltage, release should sell powered requiring no external power supply, protection against phase unblance and residual current, over temperature protection with 20 fault history and event history and inbuilt zone selective interlocking in built thermal memory, 4NO/ANC auxiliary contacts with one trip contact, counting the number of operations and contact wear (ACB Life), confirming to IEC-60947 [S. 13947, Part-II]/1993 (latest version) with Digital MFM Meter, Metering CT/5 Amp - CL-10 (S. Nos), ONCOFF Indicating LED.				
a) 2500A FP MDO Type - 2 Nos.				
b) 1000A TP MDO Type - 1 Nos.		1	7800000	
Complete LT panel as per above	Nos.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7800000

