

ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଃ.

ODISHA POWER TRANSMISSION CORPORATION LIMITED OFFICE OF THE GENERAL MANAGER (ELECTRICAL) E.H.T. (0&M) CIRCLE, BURLA

9438907735, e-mail: <u>ehtm.cle.brl@optcl.co.in</u> CIN: U401020R2004SGC007553

E-TENDER CALL NOTICE NO. BRL- 15/2023-24 (Group-A & B)

For and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD General Manager, EHT (0&M) Circle, OPTCL, Burla, invites E-Tenders from Manufacturers/Authorized distributors/ Dealer having valid IT, PAN, GST Registration certificate, distributor/dealership certificate in Double part bidding system under (Group-A & B) for Group-A-"Supply of 36 Nos. (27 Nos. of 220KV & 09 Nos. of 132KV) outdoor floor mounted BMK for the ongoing SAS work at 220/132/33KV Grid Sub-Station, Budhipadar under EHT (O&M) Division, Jharsuguda". Group-B-"Supply of 01 No. of Main ACDB, 01 No. of Auxiliary ACDB, 02 Nos. of SFU and 4200 Nos. of disconnecting type TB for the ongoing SAS work at 220/132/33KV Grid Sub-Station, Budhipadar under EHT (0&M) Division, Jharsuguda". The interested bidders would be required to enroll themselves on the tender portal www.tenderwizard.com/OPTCL. Complete set of bidding documents are available at www.tenderwizard.com/OPTCL from 25.08. 2023 (11:00 Hrs) up to 12.09.2023 (17:00Hrs). Interested Bidder may visit OPTCL's official web site http://www.optcl.co.in and www.tenderwizard.com/OPTCL for detail specification.

N.B:- All subsequent addendums/corrigendum to the tender shall be hosted in the OPTCL's official website http://www.optcl.co.in and www.tenderwizard.com/OPTCL only.

GENERAL MANAGER (Elect.) EHT (O&M) CIRCLE, BURLA

ODISHA POWER TRANSMISSION CORPORATION LIMITED



(A Government of Odisha Undertaking)

OFFICE OF THE GENERAL MANAGER (ELECT) EHT (O & M) CIRCLE, BURLA

P.O.-BURLA, DIST-SAMBALPUR (ODISHA) PIN- 768017 CIN: U40102OR2004SGC007553

E-TENDER CALL NOTICE NO. BRL-15/2023-24 Group-A & B (TWO PART BIDDING)

Sealed tenders in duplicate are invited in two part bidding system by the undersigned from the Manufacturers/Authorized distributors/ Dealer having valid IT, PAN, GST Registration certificate, distributor/dealership certificate for following;

Group	DESCRIPTIONS	EMD Rs.	COST OF TENDER PAPER Rs.
A	Supply of 36 Nos. (27 Nos. of 220KV & 09 Nos. of 132KV) outdoor floor mounted BMK for the ongoing SAS work at 220/132/33KV Grid Sub-Station, Budhipadar under EHT (0&M) Division, Jharsuguda.	Rs. 48,790/-	7080.00 Inclusive of GST @ 18 %
В	Supply of 01 No. of Main ACDB, 01 No. of Auxiliary ACDB, 02 Nos. of SFU and 4200 Nos. of disconnecting type TB for the ongoing SAS work at 220/132/33KV Grid Sub-Station, Budhipadar under EHT (O&M) Division, Jharsuguda.		7080.00 Inclusive of GST @ 18 %

Date of sale of tender paper

From 25.08.2023 to 12.09.2023 up to 17:00Hrs. at

www.tenderwizard.com/OPTCL

Last date & Time of Receipt of Tender paper

- On or before 13.09.2023 up to 13:00 Hrs.

Date of opening of Tender paper (Technical bid only)

On 13.09.2023 at 16:00Hrs. at EHT (O&M)

Circle, Burla.

Date of opening of financial bid (those who have qualified in technical bid only)

Will be intimated later (those who have qualified in technical bid)

The tender specification can be made available in the www.tenderwizard.com/OPTCL.

The tender must be accompanied with requisite EMD in shape of DD/Pay order only in favor of "EHT (O&M) Circle, OPTCL, Burla" payable at Burla. The undersigned shall not be responsible for non receipt or late receipt of tender documents due to postal delay or delay at any stage. Incomplete tender and the tender received after the due date and time shall be liable for rejection. Incomplete tender, tender without EMD and the tender received after the due date and time shall be liable for rejection.

The undersigned reserves the right to vary any quantity/accept or reject any or all the tenders without assigning any reason thereof.

General Manager (Elect) E.H.T. (O&M) Circle, Burla



NOTICE INVITING TENDER ODISHA POWER TRANSMISSION CORPORATION LIMITED OFFICE OF THE GENERAL MANAGER (ELECTRICAL) EHT (O & M) CIRCLE, BURLA

E-mail: ehtm.cle.brl@optcl.co.in CIN: U40102OR2004SGC007553

E-TENDER NOTICE NO- BRL-15/ 2023-24 (GROUP-A & B)

For and on behalf of the ODISHA POWER TRANSMISSION CORPORATION LTD., the undersigned invites bids under Two part bidding system in e-tendering mode only as per the following details.

			IN	IDIAN RUPE	ES	Last date of
Sl. No.	Tender Specification No.	Location Details.	Earnest Money Deposit.	Cost of Tender Spec. Document (Including GST)		submission & Date of opening of Tender.
1	E -TenderNo. 15/2023-24 (Group-A)	220/132/33KV Grid Sub-Station, Budhipadar under	100	[Only in the	Rs. 5758/-	(13:00 Hrs)
2	E -TenderNo. 15/2023-24 (Group-B)	EHT (O&M) Division, Jharsuguda	Rs. 34,120/-	shape of DD]	Rs. 4026/-	and 13.09.2023 (16:00 hrs.)

The bidders can view the tender documents from website free of cost.

The bidders who want to submit bids shall have to pay Rs.7080/- (Rupees Seven Thousand Eighty only including GST @ 18% non refundable) towards the tender cost (For each group), in the form of Demand draft only, drawn in favour of General Manager, E.H.T. (O&M) Circle, Burla at the office of the undersigned on or before the last date & time of submission of tender.

The bidders shall have to submit non-refundable amount as mentioned above towards the tender processing fee for each tender through **e-payment** mode. Tender processing fee acknowledgement is to be submitted along with tender Paper cost at the office of the undersigned on or before the last date & time of submission of tender.

The bidders shall scan the Demand Draft/ Pay order/ Bank guarantee towards, Tender Cost and tender processing fee and upload the same in the prescribed form in .gif or .jpg format in addition to sending the original as stated above.

The prospective bidders are advised to register their user ID, Password, company ID from website www.tenderwizard.com/OPTCL by clicking on hyper link "Register Me".

Any clarifications regarding the scope of work and technical features of the tender can be had from the undersigned during office hours.

General Manager (Elect)
E.H.T. (O&M) Circle, Burla

TECHNICAL SPECIFICATION FOR GROUP-A

"PROCUREMENT OF 36 NOS. (27 NOS. OF 220KV & 09 NOS. OF 132KV) OUTDOOR FLOOR MOUNTED BMK FOR THE ONGOING SAS WORK AT 220/132/33KV GRID SUBSTATION, BUDHIPADAR UNDER EHT (0&M) DIVISION, JHARSUGUDA"

	TECHNICAL SPECIFICATION OF SWITCH	HYARD BIVIK			
SI.	Technical particular of Panel				
No. 1	Outdoor Floor mounting type panel stands on a 75x4	Ov5mm hase chan	nel		
2	All diamensions are in mm & ±10% acceptable	OXSTITIT BUSE CHAIL			
3	Overall dimension of (900(W)*1965(H)*450(D)				
3	Panel made of 3.0 mm CR sheet Load bearing- 3mm	CRCA & Non load	hearing-3mm		
4	CRCA				
5	Cable entry from bottom (Incoming & Outgoing)				
6	Design In front side bus bar & back side cable alley				
7	Detachable gland plates are provided (3mm thicknes				
8	Consoled hinged doors will have flexible earthing (4s				
9	Main earthing will be provided at the bottom of the	panel (25×5mm co	opper flat)		
10	Panel hooks will be provided at the top of the panel				
11	Stickers are provided on the door of each feeder				
12	25×5mm aluminium Busbar-1 no per phase, 3 bars				
13	Neutral busbar same of the main busbar				
14	Red, yellow, blue & Black Heat shrinkable sleeves will	be used for busba	ars.		
15	Panel will be properly gasketed with soft rubber gasl				
16	Colour totally painted with synthetic enamel paint sr		IS-692		
17	Panel in single front & Both side accessible				
18	Top conopy shall be with 3mm aluminum alloy mate	rial	- A		
SL.		QNTY	UNIT		
NO.	DESCRIPTION	QNII	ONTI		
	I/P ITEM				
1	MCB-63A-TP+N-10KA-AC-C CURVE	2	NOS		
2	CONTACTOR-FP-70A-240V AC COIL-4NO	2	NOS		
3	AUXILARY CONTACTOR 2NO+2NC 240V AC	1	NOS		
	BULB HOLDER WITH BULKET	1			
4	BOED HOLDER WHITE BOERE.		NOS		
4 5	5A SWITCH WITH BOX	1	NOS		
	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC	1 1	NOS NOS		
5	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK	1 1 1	NOS NOS NOS		
5 6 7 8	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED	1 1 1 2	NOS NOS NOS		
5 6 7 8 9	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET	1 1 1 2 1	NOS NOS NOS NOS		
5 6 7 8 9	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER	1 1 1 2 1 1	NOS NOS NOS NOS NOS		
5 6 7 8 9 10 11	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER POWER TB 63A(STUD TYPE TB)	1 1 1 2 1 1 2	NOS NOS NOS NOS NOS NOS		
5 6 7 8 9 10 11	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER POWER TB 63A(STUD TYPE TB) POWER TB 32A(10SQMM)	1 1 1 2 1 1 2 60	NOS NOS NOS NOS NOS NOS NOS NOS		
5 6 7 8 9 10 11	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER POWER TB 63A(STUD TYPE TB) POWER TB 32A(10SQMM) NON DISCONNETING TYPE TB 35A	1 1 1 2 1 1 2	NOS NOS NOS NOS NOS NOS		
5 6 7 8 9 10 11 12 13	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER POWER TB 63A(STUD TYPE TB) POWER TB 32A(10SQMM) NON DISCONNETING TYPE TB 35A OUTGOING	1 1 1 2 1 1 1 2 60 200	NOS		
5 6 7 8 9 10 11 12 13	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER POWER TB 63A(STUD TYPE TB) POWER TB 32A(10SQMM) NON DISCONNETING TYPE TB 35A OUTGOING MCB-16A-TP+N-10KA-C CURVE	1 1 1 2 1 1 2 60 200	NOS		
5 6 7 8 9 10 11 12 13	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER POWER TB 63A(STUD TYPE TB) POWER TB 32A(10SQMM) NON DISCONNETING TYPE TB 35A OUTGOING MCB-16A-TP+N-10KA-C CURVE MCB-10A-2P-10KA-AC-C-C CURVE	1 1 1 2 1 1 2 60 200	NOS		
5 6 7 8 9 10 11 12 13	5A SWITCH WITH BOX SPACE HEATER-100W-230VAC THERMOSTAT-(30-85)C-15A-250VAC+1NC+BRACK CLUSTERED LED-ASSLY-240VAC-22.5MM-RED GANG BOX DOMESTIC-2SW+1 SOCKET MULTIFUNCTION TIMER POWER TB 63A(STUD TYPE TB) POWER TB 32A(10SQMM) NON DISCONNETING TYPE TB 35A OUTGOING MCB-16A-TP+N-10KA-C CURVE	1 1 1 2 1 1 2 60 200	NOS		

N.B - All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAVELLS, HAGER or equivalent reputed manufacture.

Following size flexible copper wire to be used for Control & Power wiring

1	AC voltage circuit:2.5SQ MM (Red,Yellow,Blue,Black)	6	4 SQMM copper flexible wire used for 10A MCB
2	AC Current circuit:2.5SQ MM (Red,Yellow,Blue,Black)	7	6 SQMM copper flexible wire used for 16A MCCB
3	Earthing:4SQ MM (Green)		
4	DC control Circuit:2.5SQ MM (Grey)		GAROMUNATU NOMELLIA
5	AC control circuit:2.5SQ MM (Black)		

	of (Make: Polycab, Havells, Finole hor) to be used for different switc rating		Terminal details to be used (Make: Connectwe Elemex)			
SI. No.	Copper Flexble wire size S/G rating Sl. No. (Clip on Ty		Copper Flexple Wire Size Sl. No. (Clin on Type		S/G rating	
1	35 SQMM	100A	1	35 SQMM	100A	
2	25 SQMM	80A	2	25 SQMM	80A	
3	16 SQMM	60A	3	16 SQMM	60A	
4	10 SQMM	40A	4	10 SQMM	40A	
5	06 SQMM	32A	5	06 SQMM	32A	
6	04 SQMM	25A	6	04 SQMM	25A & below	
7	50 SQMM	125A	7	50 SQMM	125A	
8	2.5 SQMM	For CT	8	2.5 SQMM	For CT	
9	2.5 SQMM	For control	Notes: Except for controlling all other rating 150-			
	For 100A & 80A rating switchgear s	suitable	4H st	ud type terminal might Electro fiber)	be used(Make:	

GENERAL MANAGER (ELECT.) E.H.T. (O&M) CIRCLE, BURLA

TECHNICAL SPECIFICATION FOR GROUP-B

"SUPPLY OF 01 NO. OF MAIN ACDB, 01 NO. OF AUXILIARY ACDB, 02 NOS. OF SFU
AND 4200 NOS. OF DISCONNECTING TYPE TB FOR THE ONGOING SAS WORK AT
220/132/33KV GRID SUB-STATION, BUDHIPADAR UNDER EHT (O&M)
DIVISION, JHARSUGUDA"

Technical particular of Panel Indoor Floor mounting type panel stands on a 75 X 40 X 5 mm base char All diamenions are in mm & ±10% acceptable Overall diamension of 3800(W)*2125(H) *1250(D) Panel made of 2.0 mm CR sheet Load bearing 2mm CRCA & Non load Cable entry from bottom (Incoming & Outgoing) Design In fron t side bus bar & back side cable alley Detachable gland plates are provided (3mm thickness) Consoled hinged doors will have flexiable earthing (4sqmm copper wire Main earthing will be provided at the bottom of the panel (30x6 copper	bearing 2m	ım CRCA			
All diamenions are in mm & ±10% acceptable Overall diamension of 3800(W)*2125(H) *1250(D) Panel made of 2.0 mm CR sheet Load bearing 2mm CRCA & Non load Cable entry from bottom (Incoming & Outgoing) Design In fron t side bus bar & back side cable alley Detachable gland plates are provided (3mm thickness) Consoled hinged doors will have flexiable earthing (4sqmm copper wire Main earthing will be provided at the bottom of the panel(30x6 copper)	bearing 2m	ım CRCA			
All diamenions are in mm & ±10% acceptable Overall diamension of 3800(W)*2125(H) *1250(D) Panel made of 2.0 mm CR sheet Load bearing 2mm CRCA & Non load Cable entry from bottom (Incoming & Outgoing) Design In fron t side bus bar & back side cable alley Detachable gland plates are provided (3mm thickness) Consoled hinged doors will have flexiable earthing (4sqmm copper wire Main earthing will be provided at the bottom of the panel(30x6 copper)	bearing 2m	ım CRCA			
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Design In fron t side bus bar & back side cable alley Detachable gland plates are provided (3mm thickness) Consoled hinged doors will have flexiable earthing (4sqmm copper wire Main earthing will be provided at the bottom of the panel(30x6 copper					
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Main earthing will be provided at the bottom of the panel (30x6 copper					
and the second s	<u>() </u>				
Panel hooks will be provided at the top of the panel					
Stickers are provided on the door of each feeder					
100 X 10mm aluminium busbar- 1 no per phase, 3 bar					
Neutral busbar half of the main busbar					
Red, yellow, blue & Black Heat shrinkable sleeves will be used for busbars.					
Panel will be properly gasketed with soft rubber gasket.					
Colour totally painted with Sy. Enamel paint smoke gray as per IS-692.		25			
Panel in single front & Both side accessible					
DESCRIPTION	QNTY	UNIT			
Part A(800A Incomer 1&2)	2 SETS				
ACB-800A-3P-EDO-MP-50KA-415VAC-O/L,S/C WITH SPRING CHARGE		,			
LIMIT SWITCH & COMMON TRIP MICRO SWITCH, SPING CHARGE	2	SETS			
MOTOR 220V DC, 4NO+4NC AUX.CONTACTS,220V DC SHUNT TRIP,		SEIS			
220V DC CLOSING COIL & 220V AC UV RELEASE & MECHANICAL LOCK					
TNC SWITCH 10A	2	Nos.			
NEMORICAL RELAY	2	Nos			
CLUSTERED LED-ASSLY-240VAC-22.5MM-RED	-	Nos			
CLUSTERED LED-ASSLY-240VAC-22.5MM-YELLOW	2	Nos			
CLUSTERED LED-ASSLY-240VAC-22.5-BLUE	2	Nos			
CLUSTERED LED-ASSLY-220VDC-22.5MM-RED	2	Nos			
CLUSTERED LED-ASSLY-220VDC-22.5MM-GREEN		Nos			
CLUSTERED LED-ASSLY-220VDC-22.5MM-AMBER		Nos			
CLUSTERED LED-ASSLY-220VDC-22.5MM-BLUE		Nos			
CLUSTERED LED-ASSLY-220VDC-22.5MM-WHITE	2	Nos			
RESET PUSH BOTTOM	2	Nos			
EMERGENCY PUSH BOTTOM		Nos			
CT-800/1A-CI5P10-15VA-RESIN		Nos			
MCB-6A-1P-AC-10KA-C CURVE		Nos			
PT 415/110V 50VA	2	Nos			
	6	Nos			
CONT-AUX BLOCK-2NO+2NC		Nos			
PANEL LAMP		Nos			
DOOR LIMIT SWITCH	_	Nos			
SPACE HEATER 100W 220V AC		Nos			
	Neutral busbar half of the main busbar Red,yellow,blue & Black Heat shrinkable sleeves will be used for busbar Panel will be properly gasketed with soft rubber gasket. Colour totally painted with Sy. Enamel paint smoke gray as per IS-692. Panel in single front & Both side accessible DESCRIPTION Part A(800A Incomer 1&2) ACB-800A-3P-EDO-MP-50KA-415VAC-O/L,S/C WITH SPRING CHARGE LIMIT SWITCH & COMMON TRIP MICRO SWITCH,SPING CHARGE LIMIT SWITCH & COMMON TRIP MICRO SWITCH,SPING CHARGE MOTOR 220V DC, 4NO+4NC AUX.CONTACTS,220V DC SHUNT TRIP, 220V DC CLOSING COIL & 220V AC UV RELEASE & MECHANICAL LOCK TNC SWITCH 10A NEMORICAL RELAY CLUSTERED LED-ASSLY-240VAC-22.5MM-RED CLUSTERED LED-ASSLY-240VAC-22.5MM-YELLOW CLUSTERED LED-ASSLY-220VDC-22.5MM-FED CLUSTERED LED-ASSLY-220VDC-22.5MM-RED CLUSTERED LED-ASSLY-220VDC-22.5MM-MBER CLUSTERED LED-ASSLY-220VDC-22.5MM-MBER CLUSTERED LED-ASSLY-220VDC-22.5MM-WHITE RESET PUSH BOTTOM EMERGENCY PUSH BOTTOM CT-800/1A-CISP10-15VA-RESIN MCB-6A-1P-AC-10KA-C CURVE PT 415/110V 50VA AUXILARY CONTACTOR 2NO+2NC 230V DC CONT-AUX BLOCK-2NO+2NC PANEL LAMP DOOR LIMIT SWITCH	Neutral busbar half of the main busbar Red,yellow,blue & Black Heat shrinkable sleeves will be used for busbars. Panel will be properly gasketed with soft rubber gasket. Colour totally painted with Sy. Enamel' paint smoke gray as per IS-692. Panel in single front & Both side accessible Part A(800A Incomer 1&2) ACB-800A-3P-EDO-MP-50KA-415VAC-O/L,S/C WITH SPRING CHARGE LIMIT SWITCH & COMMON TRIP MICRO SWITCH,SPING CHARGE MOTOR 220V DC, 4NO+4NC AUX.CONTACTS,220V DC SHUNT TRIP, 220V DC CLOSING COIL & 220V AC UV RELEASE & MECHANICAL LOCK TNC SWITCH 10A NEMORICAL RELAY CLUSTERED LED-ASSLY-240VAC-22.5MM-RED CLUSTERED LED-ASSLY-240VAC-22.5MM-YELLOW CLUSTERED LED-ASSLY-240VAC-22.5MM-RED CLUSTERD LED-ASSLY-220VDC-22.5MM-RED CLUSTERED LED-ASSLY-220VDC-22.5MM-RED CLUSTERED LED-ASSLY-220VDC-22.5MM-BRER CLUSTERED LED-ASSLY-220VDC-22.5MM-WHITE 2 RESET PUSH BOTTOM EMERGENCY PUSH BOTTOM CT-800/1A-CISP10-15VA-RESIN MCB-6A-1P-AC-10KA-C CURVE PT 415/110V 50VA AUXILARY CONTACTOR 2NO+2NC 230V DC CONT-AUX BLOCK-2NO+2NC 6 PANEL LAMP DOOR LIMIT SWITCH SPACE HEATER 100W 220V AC			



23	10A DP DC MCB 6K	A				2	Nos.
24	16A DP DC MCB 6K					4	Nos.
25	10A DP AC MCB 10	KA				4	Nos.
26	ON DELAY TIMER		ID: ED	\		4	1403.
		Part B (BUSCO)			
		800A(1S e MP-50KA-415VAC-C		WITH SDRING	CHARGE		
	ACB-800A-FP-EDO-	MP-50KA-415VAC-C)/L,3/C D M/I	CRO SWITCH	4NO+4NC		
27	LIMIT SWITCH & COMMON TRIP MICRO SWITCH,4NO+4NC AUX.CONTACTS,220V DC SHUNT TRIP, 220V DC CLOSING COIL & 220V					1	Nos.
27		UV DC SHOWT TKIF,	RFI	EASE	&	4 11	
	AC MECHANICAL LOCK		11,22				
20		SSLY-220VDC-22.5M	M-RFD			2	Nos.
28		SSLY-220VDC-22.5M				1	Nos.
29		SSLY-220VDC-22.5M				1	Nos.
30		SSLY-220VDC-22.5M				1	Nos.
32		USTERED LED-ASSLY-220VDC-22.5MM-WHITE					Nos.
33		NC SWITCH 10A					
34		ESET PUSH BOTTOM					
35	FMERGENCY PUSH			Harriston III		1	Nos.
36		OTE SWITCH 3WAY				1	Nos.
37	10A DP DC MCB 6			harman a		1	Nos.
38		OA DP AC MCB 10KA					
39		AUXILARY CONTACTOR 2NO+2NC 230V DC					Nos.
40	CONT-AUX BLOCK-2NO+2NC					3	Nos.
41	AUXILARY CONTACTOR 2NO+2NC 230V AC				3	Nos.	
42		ADD-ON BLOCK 2NO+2NC				3	Nos.
42	ADD-ON BLOCK 21	100A(8 s	ets)				
43	MCCB-3P-100A-10KA-TM BASED WITH ROM & S.LINK					8	Nos.
43	250A(6 Sets)						
44	MCCB-3P-250A-25KA-TM BASED WITH ROM & S.LINK				6	Nos.	
44	WICCD-SI -ZSOA Z.	400A(2S					
45	MCCB-FP-400A-2	5KA-TM BASED WITH		& S.LINK		2	Nos.
46	CONTROL TB 25A					180	Nos.
40	CONTROL 15 257	MAIN ACDE	PANE	L			
	Panel made of 2	0 mm CR sheet Load			& Non		
47	load hearing 2mi	m CRCA of Size 3800	(W)*2:	125(H) *1250(D) and as		LS
	ner TS						
N.B.	All items should be	make of C&S ,L&T,	ABB, AL	STOM, SIMENE	S, HAVELLS	and equiv	alent
manı	facture. Following s	ize flexible copper w	vire to	be used for Con	trol & Pow	er wiring.	
1	AC voltage circuit	t:2.5SQ MM (Red,Ye	ellow,B	lue,Black)			
2	AC Current circui	t:2.PSQ MM (Red,Ye	ellow,B	lue,Black)			
3	Earthing:4SQ MN						
4		t:2.5SQ MM (Grey)					
5		t:2.5SQ MM (Black)					
	e of(Make:Polycab,H			Terminal o	letails to be	used(Mak	æ:
to b	be used for different	switchgear rating			nectwell,El		
SI.	Copper Flexble		SI.	Terminal Size		20	IC mating
No.	wire size	S/G rating	No	Term		5/	G rating
1	35 SQMM	100A	1	35 SC			100A
2	25 SQMM	80A	2	25 SC			80A
3	16 SQMM	60A	3		QMM		60A
4	10 SQMM	40A	4		QMM		40A
5	06 SQMM	32A	5		QMM		32A
	04 SQMM	25A	6		QMM	25	A & belov
C			110	A STATE OF THE PARTY OF THE PAR			
7	50 SQMM	125A	7	50 S0	MMC		125A



9 2.5 SQMM For control

Note: For 100A & 80A rating switchgear

suitable alluminium busbar might be used.

Notes: Except for controlling all other rating 150- 4H stud type terminal might be used (Make:Electrofiber)

<u></u>	ESTIMATE FOR INDOOR FLOOR MOUNTED AUXILARY ACT TECHNICAL SPECIFICATION OF ACDB	DB (UI NO)				
SI. No	Technical particular of Panel					
1	Indoor Floor mounting type panel stands on a 75mm base chann	nel				
2	All diamen5ions are in mm & +10% acceptable					
3	Overall dimension of (4100(W)*2075(H) *600(D)					
	Panel made of 2.0 mm CR sheet Load bearing 2mm CRCA & No.	n load bearing	2 2mm			
4	CRCA		,			
5	Cable entry from bottom (Incoming & Outgoing)					
6	Design In fron t side bus bar & back side cable alley					
7	Detachable gland plates are provided (3mm thickness)					
8	Consoled hinged doors will have flexiable earthing(4sqmm copp	er wire)				
9	Main earthing will be provided at the bottom of the panel(30x6					
10	Panel hooks will be provided at the top of the panel	обра:,				
11	Stickers are provided on the door of each feeder					
12	50a10mm aluminium busbar- 1 no per phase, 3 bar					
13	Neutral busbar half of the main busbar					
14	Red, yellow, blue & Black Heat shrinkable sleeves will be used for	busbars				
10000010	Panel will be properly gasketed with soft rubber gasket.	busburs.				
15		omer cover-bl	ue DG			
16	Panel totally powder coated with Siemens grey colour (Tfr incomer cover-blue, DG					
47	incomer Cover- orange, Buscoupler & Busbar Chamber cover-R	eu <i>j</i>				
17	Panel in single front & Both side accesable					
SL NO.	DESCRIPTION	QNTY	UNIT			
	400A(I/P ITEM)	4	SETS			
1	400A FP 25KA MOTO-BASE WITH O/C &	4	Nos.			
1	ADJUSTABLE MAGNETIC WITH ROM & S. LINK	7	1403.			
2	AUXILARY TRIP ALRAM SWITCH FOR MCCB	4	Nos.			
3	UNDER VOLTAGE RELEASE FOR MCCB	4	Nos.			
4	MECHANICAL LOCK FOR MCCB	4	Nos.			
5	AC VOLTMETER-0-500V-0D-(96X96) DIGITAL TYPE	4	Nos.			
6	AC AMMETER -0-400A/5A 90D-96 DIGITAL TYPE	4	Nos.			
7	6A AMMETER SELECTOR SWITCH AC	4	Nos.			
8	6A AC VOLTMETER SELECTOR SWITCH	4	Nos.			
9	R,Y,B INDICATION LAMP LED TYPE	12	Nos.			
10	CT-400/5A, C10.25, 15VA, METERING CLASS	12	Nos.			
11	6A SP MCB 10KA	12	Nos.			
12	AUXILIARY CONTARCTOR 2NO+2NC 230V AC	12	Nos.			
13	ADD -ON BLOCK 2NO +2NC	8	Nos.			
14	PANEL LAMP	2	Nos.			
15	DOOR LIMIT SWITCH	2	Nos.			
16	SPACE HEATER 100W 220V AC	2	Nos.			
	THERMO START 30-85C 220V AC '	2	Nos.			
17	10A DP AC MCB 10KA	6	Nos.			
17 18			SETS			
	BUSCOUPLER(I/P ITEM)	1	JETJ			
18	BUSCOUPLER(I/P ITEM) 400A FP 25KA MOTO-BASE WITH O/C ADJUSTABLE					
18	BUSCOUPLER(I/P ITEM) 400A FP 25KA MOTO-BASE WITH O/C ADJUSTABLE MAGNETIC WITH ROM & S.LINK	1	Nos.			
18	BUSCOUPLER(I/P ITEM) 400A FP 25KA MOTO-BASE WITH O/C ADJUSTABLE					



22	UNDERVOLTAGE RELEA	ASE FOR MCCB			1 Nos
23	AUXILIARY CONTRACTO	OR 2NO+2NC 230	V AC		6 Nos
24	ADD-ON BLOCK 2NO+2	NC		Dan II	6 Nos
25	10A DP AC MCB 10KA		P. 1757 U.		3 Nos
26	TIMER				1 Nos
27	AUTO LOCAL REMOTE S	SWITCH 3WAY			1 Nos
		63A(OUTGOIN			32 SET
28	MCCB-3P-63A-10KA-TN		M		32 Nos
29	POWER TB(STUD TYPE)				32 Nos
20	Naconana	32A(OUTGOING			16 SET
30	MCCB-3 P-32A-10KA-TN		ОМ	H 11 1 2	16 Nos
31	POWER TB(STUD TYPE)		WET TO		16 Nos
32	CONTROL TB 25A(4SQN		50 Nos		
		PANEL DESCRIPT			
33	ACDB panel as per tech	The state of the s			1 Lot
N	I.B. All items should be n	nake of C&S ,L&T,	ABB, AL	STOM, SIMENES, HAVELI	S and equivalen
Ι_Λ	manufacture. Following	size flexible copp	per wire	to be used for Control &	
1	C voltage circuit:2.5SQ MRed,Yellow,Blue,Black)	1M	6	AC control circuit:2.550) MM (Black)
Λ	C Current circuit:2.PSQ M	IN A			
/	(Red,Yellow,Blue,Black)		7	6 SQMM copper flexibl MCCB	e wire used for 3
	Earthing:4SQ MM (Green)			IVICCB	
	8 (0.00)			16 SQMM copper flexik	alo mino mand f
	C control circuit:2.5SQ M		8	63A MCCB	ne wire used for
6	SQMM copper flexible w			OSA IVICED	
	ИССВ		104 2		
7 1	6 SQMM copper flexible	wire used for 63A			
	1CCB				
Wire	of(Make:Polycab,Havells	,Finolex,HPL) to			
	be used for differ			Terminal details to be	
	switchgear ratir	ıg		Connectwell,Ele	mex)
SI.	Copper Flexble wire			Terminal Size	
No	size	S/G rating	SI.No	(Clip on type	S/G rating
1				Terminal)	
1	35 SQMM	100A	1	35 SQMM	100A
2	25 SQMM	80A	2	25 SQMM	80A
3	16 SQMM	60A	3	16 SQMM	60A
4	10 SQMM	40A	4	10 SQMM	40A
5	06 SQMM	32A	5	06 SQMM	32A
6	04 SQMM	25A	6	04 SQMM	25A & belo
7	50 SQMM	125A	7	50 SQMM	125A
8	2.5 SQMM	For CT	8	2.5 SQMM	For contro
9	2.5 SQMM	For	Notes	Except for controlling a	
		control	4H	stud type terminal might	be used (Make:
	For 100A & 80A rating sw			Electrofiber	
uitak	ole alluminium busbar mig	ght be used.			

	ESTIMATE FOR OUTDOOR FLOOR MOUNTED SWITCHING FUSE UNIT(SFU) (02 NOS) TECHNICAL SPECIFICATION OF SWITCHING FUSE UNIT (SFU)
-	Technical yarticular of Panel
1	Outdoor Floor mounting type panel stands on a 75x40x5mm base channel
2	All diamensions are in mm & ±10% acceptable
3	Overall dimension of (1300(W) * 1765(H) * 600(D)
4	Panel made of 3.0 mm CR sheet Load bearing 3mm CRCA & Non load bearing 3mm CRCA



5	Cable entry from bottom (Incoming & Outgoing)				
6	Oesign In front side bus bar & front side cable alley				
7	Detachable g]and plates are provided (3mm thickness)				
8	Consoled hinged doors will have flexiable earthing(4sqmm copper wire)				
9	Main earthing wi]l be provided at the bottom of the panel(25 x 5 copper)				
10	Panel hooks will be provided at the top of the panel		***************************************		
11	Stickers are provided on the door of each feeder		***************************************		
12	100x10mm aluminium busbar-1 no per phase, 3 bar	***************************************			
13	Neutral busbar same of the main busbar				
14	Red, yellow, blue & Black Heat shrinkable sleeves will be used for bush	pars.			
15	Panel will be properly gasketed with soft rubber gasket.				
16	Colour totally painted with synthetic enamel paint smokey gray as p	er 15-692	***************************************		
17	Panel i n single front & back side totally closed				
18	Tup conopy shall be with 3mm alumi num alloy material		***************************************		
SL.	DESCRIPTION	ONITY	LIAUT		
NO.	DESCRIPTION	QNTY	UNIT		
	I/P ITEM				
1					
	1000A ISOLATOR SWITCH(MCCB TYPE)	1	NO		
2	800A TPN SFU	1	NO NO		
	800A TPN SFU 800A HRC				
2 3 4	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP	1	NO		
2 3 4 5	800A TPN SFU 800A HRC	1 3	NO NOS		
2 3 4 5 6	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION	1 3 6	NO NOS NOS		
2 3 4 5 6 7	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification	1 3 6 6	NO NOS NOS NOS		
2 3 4 5 6 7	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification I.B. All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAV	1 3 6 6	NO NOS NOS NOS		
2 3 4 5 6 7	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification I.B. All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAV manufacture.	1 3 6 6 1 /ELLS and equ	NO NOS NOS NOS		
2 3 4 5 6 7 N	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification I.B. All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAV manufacture. Following size flexible copper wire to be used for Control & Po	1 3 6 6 1 /ELLS and equ	NO NOS NOS NOS		
2 3 4 5 6 7 N	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification I.B. All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAV manufacture. Following size flexible copper wire to be used for Control & Po AC voltage circuit:2.5SQ MM (Red,Yellow,Blue,Black)	1 3 6 6 1 /ELLS and equ	NO NOS NOS NOS		
2 3 4 5 6 7 N	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification I.B. All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAV manufacture. Following size flexible copper wire to be used for Control & Po AC voltage circuit:2.5SQ MM (Red,Yellow,Blue,Black) AC Current circuit:2.5SQ MM (Red,Yellow,Blue,Black)	1 3 6 6 1 /ELLS and equ	NO NOS NOS NOS		
2 3 4 5 6 7 N	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification I.B. All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAV manufacture. Following size flexible copper wire to be used for Control & Po AC voltage circuit:2.5SQ MM (Red,Yellow,Blue,Black) AC Current circuit:2.5SQ MM (Red,Yellow,Blue,Black) Earthing:4SQ MM (Green)	1 3 6 6 1 /ELLS and equ	NO NOS NOS NOS		
2 3 4 5 6 7 N	800A TPN SFU 800A HRC R,Y,B INDICATION LAMP 20A CONTROL FUSE BASE WITH LINK PANEL DESCRIPTION Outdoor Kiosk (SFU) panel as per technical specification I.B. All items should be make of C&S, L&T, ABB, ALSTOM, SIMENES, HAV manufacture. Following size flexible copper wire to be used for Control & Po AC voltage circuit:2.5SQ MM (Red,Yellow,Blue,Black) AC Current circuit:2.5SQ MM (Red,Yellow,Blue,Black)	1 3 6 6 1 /ELLS and equ	NO NOS NOS NOS		

	T	switchgear r		(Make: Connectwell, Elemex)		
SI. No	Copper Flexble wire size	S/G rating	SI. No	Terminal Size (Clip on Type terminal)	S/G rating	
1	35 SQMM	100A	1	35 SQMM	100A	
2	25 SQMM	80A	2	25 SQMM	80A	
3	16 SQMM	60A	3	16 SQMM	60A	
4	10 SQMM	40A	4	10SQMM	40A	
5	06 SQMM	32A	5	06 SQMM	32A	
6	04 SQMM	25A	6	04 SQMM	25A & below	
7	50 SQMM	125A	7	50 SQMM	125A	
8	2.5 SQMM	For CT	8	2.5 SQMM	For CT	
9	2.5 SQMM	For control	Notes: Except for controlling all other rating 150-4H Studentype terminal might be used (Make: Electro fiber)			

used.

GENERAL MANAGER (ELECT.) E.H.T. (O&M) CIRCLE, BURLA