

बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लिमिटेड BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

(A Govt. of Bihar Undertaking) ISO 9001:14001;OHSAS 18001

Shiksha Bhawan, Bihar Rashtrabhasa, Parishad Campus, Acharya Shivpujan Sahay Path, Saidpur, Patna-800004 Tel. No: 0612 - 2660850 *Fax No: 0612 - 2660256

E-mail: bseidc@gmail.com * Website: http://www.bseidc.in * CIN: U80301BR2010SGC015859

दर आमंत्रण हेतु अल्पकालीन कोटेशन आमंत्रण सूचना संख्या-16 वर्ष-2020-21

बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लि॰ पटना के निबंधित संवेदकों / ख्याति प्राप्त फर्मों / कंपनियों से दिनांक:- 22.09.2020 के अपराहन 03:00 बजे तक राज्य के विभिन्न जिलान्तर्गत विभिन्न निर्माण कार्यों में प्रयोग हेतु Electrical Panel से संबंधित कार्यो हेतु गैर अनुसूचित मदों की आपूर्ति एवं अधिष्ठापन के लिए निम्नांकित मदों हेतु मुहरबंद कोटेशन अधीक्षण अभियंता, बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लिं०, पटना के कार्यालय में प्राप्त किया जाएगा एवं उसी दिन अपराहन 03:30 बजे कोटेशनदाताओं या उनके अधिकृत प्रतिनिधियों के समक्ष खोला जाएगा।

Sl.	शनदाताओं या उनके अधिकृत प्रतिनिधियों के समक्ष खोला जाएगा। Description of items	Qty	Unit	Rate In Digits	Rate In Words
1	Design,manufacturing,assembling,wiring,supply,installat ion,testing and commissioning of the following extensible cubicle type indoor mounting,dead front,fully compartementalised with hinged lockable detachable from& backl openable,dust and vermin proof,floor mounting sheet steel clad switchboard fabricated out of 2 mm thick CRCA powder coated sheet steel suitable for use at 415 volt 3 phase 4wire 50 cycle system,BMS Compiatable and to withsatans a symmetrical fault level of below mentioned kA at 415 volt. panels shall be fabricated in easily transportable sections,length,height,depth etc.to match with site condition,complete in all respect. INCOMER: 1). 1 Nos.160 Amps. TPN MCCB(25 KA) Breaking capacity. 2). 1 Set of RYB phase Indication lamps with suitable rating MCB 3). 1 Set of ON/OFF Indication lamps along with 2A SP MCB backup protecting. 4).1 set Digital Ampere meter with suitable rating CT and selector switch 5). 1 set Digital Volt meter with suitable rating MCBs and selector switch Busbar Electrolytic high conductivity aluminium three phas and neutral busbars rated at 415V, 125 amps,35 kA,insulated with heat shrinkable coloured PVC sleeves & clip on shrounds for joints. The busbar sizing calculations shall be sumitted for approval,considering all derating factors. 3 Nos. 40 Amps. TPN MCCB(16 KA) with electronic releases. Outgoings 1) 4 No.40 amp FP MCB of 10 kA breaking capacity. 2) 5 No.63 amp FP MCB of 10 kA breaking capacity.		Each		

E	LECTRICAL PANELS			
D io io except from the control of t	esign, manufacturing, assembling, wiring, supply, installat n, testing and commissioning of the following ctensible cubicle type indoor mounting, dead front, fully compartementalised with hinged lockable detachable rom& backl openable, dust and vermin proof, floor nounting sheet steel clad switchboard fabricated out of mm thick CRCA powder coated sheet steel suitable for se at 415 volt 3 phase 4wire 50 cycle system, BMS compiatable and to withsatans a symmetrical fault level of below mentioned kA at 415 volt. panels shall be abricated in easily transportable ections, length, height, depth etc. to match with site condition, complete in all respect. INCOMER:-1). 1 Nos. 160 Amps. TPN MCCB(25 KA) Breaking capacity. 2).	1	Each	
3	LIFT PANEL Design,manufacturing,assembling,wiring,supply,installat ion,testing and commissioning of the following extensible cubicle type indoor mounting,dead front,fully compartementalised with hinged lockable detachable from& backl openable,dust and vermin proof,floor mounting sheet steel clad switchboard fabricated out of 2 mm thick CRCA powder coated sheet steel suitable for use at 415 volt 3 phase 4wire 50 cycle system,BMS Compiatable and to withsatans a symmetrical fault level of below mentioned kA at 415 volt. panels shall be fabricated in easily transportable sections,length,height,depth etc.to match with site condition,complete in all respectINCOMER:1 Nos. 160A TPN feeder each having one no. 160A TPN MCCB's with microprocessor based releases with isolable neutral, ON indication1 no. multifunction meter (showing all power parameters), with selector switch, matching cast resin CT's.BUS BARA set of TPN Aluminium bus bar with heat Shrink Sleeve rated for 200A (after considering all necessary deratings) 3 phase 4wire, 50Hz. A suitable minimum derating factor must be taken for calculation of bus bar sizes. The bus bar size after derating shall be equal to the ampere given Maximum current density of 1 Amp per sq.mm is suitable for the busbar.OUTGOING5 nos 63 A TPN MCB's with indication lampsOther items such as 1 Lot of control wiring 1 Set of designation plates all complete job as per direction of E/I.	1	Each	
4	Supplying, Installing, Commissioning, Testing Generator 100 KVA with autostart facility of make-make- Kirloskar / ashok Layland/Steerling/Cummin including connection testing, commissioning etc as required all complete job as per direction of El.			

At Johnson

		-					
T	Supplying, Installing, Commissioning, Testing Generator						
	400 WWA with autostart Ide IIIIV UI IIIdake IIIdake						
1							
	/ ashok Layland/Steering/Cultimark						
		_		+			
-	, , /pining Installation / E. Pettion, I coming and						
	a included the second of the s						
	LI OCCI - ad circuit I an Champel IVI Voltage 108						
	1 AVD and Diff name illuming buchous						
	Moc Oil 9. Winding temperature alarm and off					-	
			C - t				
	, , and ac ac required (Dillingto With odding	1	Set				
)		-					
	. I Al A Cable of HI CIGO AND ALF LINSUIGNOS						
	Busduct for LT side, including S/F of M.S. channel of size						
	too for foundation support to						
	a luding fruing/illipidiluli of on or						- £
	transformer and OLTC Encloses e. Connection and Changing Mechanism etc. as per IS 2026-1977 and as per Change Make: ABB/			- 1		-	
	direction of Engineer-in-Charge.Make: - ABB/						
	Schneider/Siemens/ Sterling as per direction of E/l.					-	
	Schneider/Siemens/ Sterling as per and					_	
7	LT SWITCHBOARD						
	Design, Fabrication, Supply, Erection, Testing and commissioning of Powder coated Main LT Switchboard						
	commissioning of Powder coated Main Er Switch						
	fabricated out of 14 guage CRCA sheet steel in cubical, compartmentallised, free standing floor /wall mounted,						
	dust and vermin proof, (degree of protection IP42) with					-	
	dust and vermin proof, (degree of protection in a second s						
	dust and vermin proof, (degree or reinforcement of suitable size angle iron, channel, T -						
	iron or flats as required. Cable gland plates shall be						
	iron or flats as required. Cable gland places provided on top as well as bottom of the panels. Panels provided on top as well as bottom of the panels.						
	shall be treated with all anti-corrosive process before						
	shall be treated with all and control of the suitable for painting as per specification. Panels shall be suitable for						
	painting as per specification. I allow omplete with 415V, 3-Phase, Four wire, 50 Hz supply complete with						
	earth bus and lifting hooks as required in case of large						
	panels. Approval shall be taken for each panel before fabrication. All hardwares like nuts and bolts used shall					- 1	
	fabrication. All hardwares like fluts and botto door			1		-	
	be Galvanized and Zinc passivated as per specification						
	and direction of Engineer-in-Charge. LT Switchboard						
	and direction of Engineer-III-Charge. By Shall be comprising broadly of the following equipments.						
	Make:- ABB/L&T/Sterling as per direction of E/I.						
	2 Incomers each 1000Amps, S.C.C 30KA 101 1 Section						
	(EDO) 1 Buscoupler 1000Amps, S.C.C 50kA for 1 Sec ACB	1					1 1
_	Outgoing Feeders (MCCB, P2, S.C.C 35kA)	1	_				
_	400 Amps - 2 Nos.	-					The state of the s
-	400 Amps - 2 Nos						L.
_	250 Amps - 8 Nos.				- '		
	100 Amps - 8 Nos. Aluminium Bus 1000 Amps, S.C.C 40kA for 1 Sec						
	Aluminium Bus 1000 Amps, 3.c. o Told 100						
-	CT, PT, MCBs, Ammeter, Voltmeter with Selector						
	CT, PT, MCBs, Ammeter, Voltmeter With Switches, Energy meter ,indication lamps(On- Off Trip,						
1	o DVD)	-					
-	630Amps Isolator, S.C.C 35kA for interconnection with				144		7.045
		,"					
-	Supply, Testing, Installation & Commissioning of LT		1	Set			
	Switchboard (Indoor Type)						



_	A COLUMN A DEC DANEI			-		
L	200KVAR APFC PANEL Supply, Testing, Installation & Commissioning cost of					
	Supply, Testing, Installation & Collins Johns and of Powder	- 1				
	SOUTH D V DEC Danel Having Eliciosuic made of					
1	1 4 4 CDCA cheef STEEL III CUDICAL					
1					- 1	
	c c l					
	in a la iron channel -					
1	gland plates etc as required and direction of Engineer-in-					
1	gland plates etc as required and direction of Bright					
	cl having following components/ equipment.					
	ADD /I OT /Starling as her diffection of E/1.	-				
	Incomer: 400A TP+N MCCB 36kA With Microprocessor					
	Based Release (O/C,S/C) Protection &					
	Based Release (0/C,5/C) 11000					
	Rom+1C/O Aux+Trip Contact					
	Outgoing: 250A TP+N MCCB 35kA With Thermal					
	Outgoing: 250A 17+18 Mode School Protection & Rom Magnetic Based Release (O/C,S/C) Protection & Rom			_		
_				_		
	8 Stage APFCR Relay					
	Louver With Fan					7
	Indication lamps(On- Off Trip Power On RYB)		1000			2.5
_	Cumply Testing Installation & Commissioning of	2	Set	t		N. S.
	200KVAR APFC PANEL (Indoor Type)					
_	AC DISTRIBUTION BOARD					
	AC DISTRIBUTION BOARD					
	Design, Fabrication, Supply, Erection, Testing and					
	- F Dowdor Coaled At Distribution					
	a to the of 14 guage (RI A SHEEL SECTION CONTRACTOR					
	c (1-mag of protection-1P42 Willi Tellifor cellient					
	the state of the s	-				
	required. Cable gland plates shall be provided on top as					
	required. Cable gland plates shall be treated with					
	hattom of the nanels, Pallels Silali De treated					
	Development Develo					
	Four wire, 50 Hz supply complete with earth bus and	1				
	l a l l a magnired in Case III Idige					
				. 1		
	panels. Approval shall be taken for each panels used shall					
	panels.Approval shall be taken to cach panels.Approval shall fabrication. (All hardwares like nuts and bolts used shall fabrication.)					
	be Calvanized and Zinc passivated As per Specifican					
	direction of Engineer-In-Undige.					
	Make :- Schneider/Legrand/L&T/Sterling as per					
	1					
	direction of E/l. Each ACDB shall be comprising of the following					
	Each ACDB shall be comprising of the following					
	eequipment/components broadly:					
	250 A TPN MCCB, P-2 Incomer- 1110s.	-				
_	1004 TPN MCB Outgoing feeders - UZ NOS.	_	-			
_	63A TPN MCB, Outgoing feeders - 01 No.					
	63A IPN MCD, Outgoing received					
	40A TPN MCB, Outgoing feeders - 02 Nos.					
	am pm MCDa Ammotor Voltmeter Willi Selector					
	Switches indication lamps (On-OII TIP Fower on				_	
	0004 -l		-			
	Supply, Testing, Installation & Commissioning cost of			Set		
	Supply, Testing, Installation & Commercial			500		
	ACDB (Indoor Type)					
	10 Manually operated Air Break Switch					
-	Manually operated Air Break Switch Gang operated 3-				-	
	in a local lation / Frection, Testing and	d				
	Supplying/Receiving, installation/Election, 19900A					
			1	Set		
	Switch) with Earth Switch to be mounted on 9.0 metre		1	500		
	Switch) with Day and					
	tral mala					
	steel pole. Make:- Reliable System/Sky Engineering/Transpower				100	

Downer

In the second of	Design, Fabrication, Supply, Erection, Testing and commissioning of Powder coated Aux. Power dist. Board, fabricated out of 14 guage CRCA sheet steel in cubical, compartmentallised, free standing, dust and vermin proof, (degree of protection-IP42) with reinforcement of suitable size angle iron, channel, T-iron or flats as required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:-Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following quipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Dutgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
In the second of	fabricated out of 14 guage CRCA sheet steel in cubical, compartmentallised, free standing, dust and vermin proof, (degree of protection-IP42) with reinforcement of suitable size angle iron, channel, T-iron or flats as required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:-Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Putgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) dication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
EI De co fal	compartmentallised, free standing, dust and vermin proof, (degree of protection-IP42) with reinforcement of suitable size angle iron, channel, T -iron or flats as required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make: Schneider/Legrand/L&T/ Sterling as per direction of E/I. Each EDB shall broadly comprise of the following quipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Putgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) dication lamps(On- Off Trip Power On RYB),1000 A					
In the second of	proof, (degree of protection-IP42) with reinforcement of suitable size angle iron, channel, T -iron or flats as required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make: Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following quipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) dication lamps(On- Off Trip Power On RYB),1000 A					
In the second of	proof, (degree of protection-IP42) with reinforcement of suitable size angle iron, channel, T -iron or flats as required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make: Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following quipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) httgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) dication lamps(On- Off Trip Power On RYB),1000 A					
In the second of	required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:-Schneider/Legrand/L&T/ Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) ndication lamps(On- Off Trip Power On RYB),1000 A					
In the second of	required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make: Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) dication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
In the second of	when as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:-Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Putgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) ndication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
I I I I I I I I I I I I I I I I I I I	Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make: Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following quipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) dication lamps(On- Off Trip Power On RYB),1000 A					
I I I I I I I I I I I I I I I I I I I	Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:-Schneider/Legrand/L&T/ Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
I I I I I I I I I I I I I I I I I I I	diffing hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:- Schneider/Legrand/L&T/ Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) dication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s		-			
I FE De co fall	panels.Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:-Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
If f f f f f f f f f f f f f f f f f f	panels.Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:-Schneider/Legrand/L&T/Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Putgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
l b a a M d d E e e 1 O O 1 Irral EI bu EI FE Co fall	abrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) As per Specification and direction of Engineer-in-Charge. Make:- Schneider/Legrand/L&T/ Sterling as per direction of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
aa M dd E e e 1 O O 1 Irr al EI bu Su EI EI De co fal	direction of Engineer-in-Charge. Make:- Schneider/Legrand/L&T/ Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) odication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
M dd E e e 1 1	Make :- Schneider/Legrand/L&T/ Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following quipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
M dd E e e 1 1	Make :- Schneider/Legrand/L&T/ Sterling as per lirection of E/I. Each EDB shall broadly comprise of the following quipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
E e e 1 O 1 Irral EI bu Su EI FE Co fall	Cach EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
E e e 1 O 1 Irral EI bu Su EI FE Co fall	Cach EDB shall broadly comprise of the following equipment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
1 O 1 Irr al EI bu Su EI FE Co fall	dulpment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A Outgoing feeders:					1
1 O 1 Irr al EI bu Su EI FE Co fall	dulpment/components) 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) Indication lamps(On- Off Trip Power On RYB),1000 A Outgoing feeders:					 20.
In all Ir all Ir all Ir	outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) ndication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
In all Ir all Ir all Ir	outgoing feeders: 000Amps, S.C.C 50kA for 1 Sec ACB (EDO) ndication lamps(On- Off Trip Power On RYB),1000 A luminium bus, s.c.c 50 KA for 1s					
El bu El El Coo fal	luminium bus , s.c.c 50 KA for 1s					
El bu El El Coo fal	luminium bus , s.c.c 50 KA for 1s					
Ell bu Su EI FE Co fall	fuminium bus, s.c.c 50 KA for 1s			-		
St EI FE De co fal	DBs shall cater emergency nower supply to all the			1		
St EI FE De co fal						
FE De co fal	uildings.			-		
FE De co fal	upply, Testing, Installation & Commissioning cost of			1		
De co fal	DB.	1	Set			
co fal	EEDER PILLAR FOR STREET LIGHTS		-			
fal	esign, Fabrication, Supply, Erection, Testing and					
Idi	immisioning of Powder coated Distribution boards,				-	
CO	bricated out of 14 guage CRCA sheet steel in cubical,					
100	mpartmentallised, free standing, dust and vermin					
pr	oof, (degree of protection-IP42) with reinforcement of					
su	itable size angle iron, channel, T -iron or flats as					
rec	Quired Cable gland plates shall be a shall be					
we	quired. Cable gland plates shall be provided on top as					
all	ell as bottom of the panels. Panels shall be treated with					
Spe	anti-corrosive process before painting as per					
For	ecification. Panels shall be suitable for 415V, 3-Phase,					
lift	ur wire, 50 Hz supply complete with earth bus and ing hooks as required in case of large					
nar	nels Approval shall be talled for					
fah	nels.Approval shall be taken for each panel before					
he	rication. (All hardwares like nuts and bolts used shall					
and	Galvanized and Zinc passivated)As per Specification					
and	direction of Engineer-in-Charge Make -					
Fac	neider/Legrand/L&T as per direction of E/I.					
Lac	in reeder Pillar shall be comprising of the following					
equ	ipment/components:					
03A	A, TPN MCB S.C.C 10kA & 63A 4POLE RCCB Incomer		_			
1110						
20A	SPN MCB S.C.C 10kA Outgoing Feeders - 12 nos.		120			
0-24	4 hrs timer switch with 3pole 415V 70A, AC3 duty					
pow	vercontactor for auto switcing operation of light					
fittir	ngs					
Sunr	CdllOff lamns((In- Off Trin Down- O DVD)					
Feed	cation lamps(On- Off Trip Power On RYB) ply, Testing, Installation & Commissioning cost of					

74 Calman

1	FEEDER PILLAR FOR PERIPHERAL LIGHTING OF				
	BUILDINGS A Description Testing and				
	Design, Fabrication, Supply, Erection, Testing and				
	commissioning of Powder coated Distribution boards,				
-	fabricated out of 14 guage CRCA sheet steel in cubical,				
	and verilling and alliced free standing, dust and verilling				
	proof (degree of protection-IP42) with reinforcement of			- 3 - 3	
	quitable size angle iron, channel, I -iron or flats as				
	required Cable gland plates shall be provided on top as				
	well as bottom of the panels. Panels shall be treated with				
	all anti-corresive process before painting as per				
	angification Panels shall be suitable for 415 V, 3-Pilase,				
	Four wire, 50 Hz supply complete with earth bus and				
	lifting hooks as required in case of large				
	and a provide shall be taken for each panel before				
	fabrication. (All hardwares like nuts and bolts used shall				
	be Galvanized and Zinc passivated)As per Specification				
	and direction of Engineer-in-Charge.				
	Make: - Schneider/Legrand/L&T as per direction of E/I.				3
	Make: - Schneider/Legrand/Extras per an extra per an extr				2.5
	Each Feeder Pillar shall be comprising of the following				A. M
	equipment/components:				
	63A, TPN MCB S.C.C 10kA & 63A 4POLE RCCB Incomer				
	1no.				
	20A SPN MCB S.C.C 10kA Outgoing Feeders - 12 nos.				
	0-24 hrs timer switch with 3pole 415V 70A, AC3 duty				
	0-24 hrs timer switch with spote 4137 7 cm, 10-24				
	powercontactor for auto switcing operation of light				
	fittings Program (n. PVP)				
	Indication lamps(On- Off Trip Power On RYB)		7 7 7		
	Supply, Testing, Installation & Commissioning cost of	1	Set		
	Feeder Pillar for Peripheral Lighting of Buildings.				
1.4	AUXILIARY POWER DISTRIBUTION BOARD TYPE-I			ar war	
14	Design, Fabrication, Supply, Erection, Testing and				
	commissioning of Powder coated Aux.Power dist. Boards				
	commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adx. Over all and a commissioning of Powder Coated Adv. Over all and a coated Adv.				
	Aux.PDB), fabricated out of 14 guage CRCA sheet steel				
	in cubical, compartmentallised, free standing, dust and				
	vermin proof, (degree of protection-IP42) with			The second	
	reinforcement of suitable size angle iron, channel, T				
	iron or flats as required. Cable gland plates shall be				
	provided on top as well as bottom of the panels. Panels				
	aball he treated with all anti-corrosive process before				
	painting as per specification. Panels shall be suitable for				
	115V 2 Phase Four wire 5() Hz supply complete with				
	earth bus and lifting hooks as required in case of large				
	and Approval shall be taken for each panel before				
	fabrication (All hardwares like nuts and bolts used shan				
	be Galvanized and Zinc passivated)As per Specification				
	and direction of Engineer-in-Charge.				
	Make :- Schneider/Legrand/L&T as per direction of E/I.				
	Make: - Schneider/Legiand/Lar as per direction ,			7	
	Each PDB shall broadly comprise of the following				
	equipment/components)				
	250A, TPN, MCCB (P-2), 35 kA for 1 sec-Incomer from			15	
	normal supply			He -	
	Outgoing feeders:		-		
	2 nos. 100A TPN MCCBs, 16 kA for 1 sec				
-	10 mag 63 A TPN MCBs				
	Indication lamps(On- Off Trip Power On RYB),300 A		-	-	
	aluminium bus . s.c.c 35 KA for 1s				
	PDBs shall cater power supply to all motorised				
	equipment like, all 15A, 240V 3 pin power sockets,				
	airconditoners, Heater, gyser, sump pumps, Lift services,				
	airconditioners, neater, gyser, sump pumps,				
	ventilation fans, drliing machines, water pumps, welding machines etc. as per need.				
	wolding machines etc. as Der Heeu.	-	_		
	Supply, Testing, Installation & Commissioning cost of PDB	1	Set	+	

At Journ

15	AUXILIARY POWER DISTRIBUTION BOARD TYPE-II	T			
/	Design, Fabrication, Supply, Erection, Testing and	+			
	commissioning of Powder coated Aux. Power dist. Boards(
	Aux.PDB), fabricated out of 14 guage CRCA sheet steel				
	in cubical, compartmentallised, free standing, dust and				
	vermin proof, (degree of protection-IP42) with				
1	reinforcement of suitable size angle iron, channel, T -				
	iron or flats as required. Cable gland plates shall be				
	provided on top as well as bottom of the panels. Panels				
	shall be treated with all anti-corrosive process before				
	painting as per specification. Panels shall be suitable for				
	415V, 3-Phase, Four wire, 50 Hz supply complete with				
	earth bus and lifting hooks as required in case of large				
	panels.Approval shall be taken for each panel before				magnetic and the fell and
	fabrication. (All hardwares like nuts and bolts used shall				7 No. 10
	be Galvanized and Zinc passivated) As per Specification				Taller
	and direction of Engineer-in-Charge.Make:				
	Schneider/Legrand/L&T as per direction of E/I.				
	Each PDB shall broadly comprise of the following equipment/components)				A.
					1
	250A, TPN, MCCB (P-2), 35 kA for 1 sec-Incomer from normal supply				
	Outgoing feeders:				
	1 no. 160A TPN MCCBs, 35 kA for 1 sec				
	2 nos. 100A TPN MCCBs, 35 kA for 1 sec				
	10 nos. 63A TPN MCBs				
	Indication lamps(On- Off Trip Power On RYB),200 A				- I I
	aluminium bus, s.c.c 35 KA for 1s				
	PDBs shall cater power supply to all motorised			*	
	equipment like, all 15A, 240V 3 pin power sockets,				31:
	airconditoners, Heater, gyser, sump pumps, Lift services,				
	ventilation fans, drliing machines, water pumps,			*	
	welding machines etc. as per need.				
	Supply, Testing, Installation & Commissioning cost of Aux	1	Set		
1.5	PDB Type-II	1	Set		
16	LIGHTING POWER DISTRIBUTION BOARD				
	Design, Fabrication, Supply, Erection, Testing and				
	commissioning of Powder coated Lighting dist. Boards(
	LDB), fabricated out of 14 guage CRCA sheet steel in				
	cubical, compartmentallised, free standing, dust and				
	vermin proof, (degree of protection-IP42) with				
	reinforcement of suitable size angle iron, channel, T - iron or flats as required. Cable gland plates shall be				
	provided on top as well as bottom of the panels. Panels				
	shall be treated with all anti-corrosive process before				
	painting as per specification. Panels shall be suitable for		4		
	415V, 3-Phase, Four wire, 50 Hz supply complete with				
	earth bus and lifting hooks as required in case of large				
	panels.Approval shall be taken for each panel before				
	fabrication. (All hardwares like nuts and bolts used shall				
	be Galvanized and Zinc passivated)As per Specification				
	and direction of Engineer-in-Charge.Make :-				
	Schneider/Legrand/L&T as per direction of E/I.				
	Each PDB shall broadly comprise of the following				
	equipment/components)				-1: -1:
	100A, TPN, MCCB (P-2), 16 kA for 1 sec-Incomer				
	Outgoing feeders:				
	12 nos. 40A TPN MCBs				
	Indication lamps(On- Off Trip Power On RYB),200 A				
	aluminium bus, s.c.c 35 KA for 1s				
	LDBs shall cater power supply to 6-Way & 4-Way TPN				
	Boards for lighting circuit.				
	Supply, Testing, Installation & Commisioning cost of LDB				



विशेष शर्ते-

- यह कोटेशन सिर्फ दर निर्धारण हेतु आमंत्रित किया गया है।
- कोटेशनदाताओं को अपना दर (सभी करों, GST एवं ढुलाई व्यय के साथ) अंक एवं अक्षरों में उद्भृत करना होगा।
- विशेष सूचना के लिए सूचनापट्ट या वेबसाइट <u>www.prdbihar.gov.in</u> एवं <u>www.bseidc.in</u> देखें अथवा अधोहस्ताक्षरी के कार्यालय में कार्यावधि में संपर्क किया जा सकता है।

अधीक्षण अभियंता

BSEIDC, पटना।

A Johnson