### ျိုဳ ୬୦ಡಿಕೇಟ್ सिंडिकेट Syndicate

### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

Notice Inviting Tender

### ELECTRICAL WORKS IN **NEW PREMISES** OF SANGAM BRANCH (KALABURAGI RO)

Location of the Branch/Office	SANGAM BRANCH (KALABURAGI RO)
Eligibility of the contractor	Eligible Electrical Contractors empanelled with Circle Office: Hubballi
EMD	Exempted for Contractors Empanelled With Circle Office: Hubballi
Address for submission of sealed tenders	Circle Office: Hubballi
Last date & time for submission of sealed tenders	13.05.2024 up to 3:30 pm
Date & Time of opening of sealed tenders	13.05.2024 up to 4:00 pm
Payment terms	As per IBA norms.
Time limit for execution of work	<b>30 days</b> from the date of work order
Defect liability period	12 months after completion of work
Retention money towards defect liability period	3 % of final bill amount
Date of commencement of work	As per work order
Income Tax &/ other taxes	At applicable rate
Payment	After the completion of the work, as per procedure
Period for submitting final bill by	Within one month from the date of virtual completion of the
contractor	work
Liquidated damage for non	1% OF THE TENDERED AMOUNT per week and part thereof
completion of work in time	for the delayed period maximum of 10%.
Rates quoted by bidder	<ul> <li>I. The quoted rate should be inclusive of Cost of materials, transport, loading, unloading charges, cost of installation, all taxes (excluding GST), wastages, machinery, temporary works such as scaffolding, cleaning, overheads, profit, statutory expenses, incidental charges and all related expenses required for the completion of the work.</li> <li>II. Additional claims other than the quoted amount will not be entertained.</li> <li>III. The quoted rates shall be firm throughout the completion of the project</li> </ul>
Insurance	Falls under scope of contractor.
Validity of submitted tender	90 days from the opening of tenders

The sealed tender must be dropped in tender box kept at the Circle Office within the above stipulated time. Tenderers / authorized representative are requested to be present at the time of opening. Canara Bank will not be bound to accept the lowest tender & reserves the right to reject any or all the tenders without assigning any reason thereof.

Signature of Bidder with seal

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## 🖔 ५०७ई९धर्ग सिंडिकेट Syndicate

### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

То
The Assistant General Manager, P & E Section, Canara Bank Circle Office, Hubballi - 580030.
Dear Sir,
Sub: Electrical works in the premises of SANGAM BRANCH (KALABURAGI RO)
I/We hereby declare that I/ We have carefully gone through the conditions laid down in the Notice Inviting Tender, General notes, General Conditions of Contract, Special conditions, Schedule of approximate quantities and rates, Form of Agreement, General Specification, Approved manufacturers/natural source of materials Technical Specifications of schedule of quantities, and clearly understood all the same and on the basis of the same I/ We have quoted our rates in the Schedule of Quantities(i.e. BOQ) attached with the tender documents.
I / We have enclosed herewith a Demand Draft ofBank & No datedfavoring Premises & Estate Section, Circle Office, Canara Bank, Hubballi for payable at Hubballi, towards E.M.D.
In the event of this Tender being accepted I/ We agree to enter into the agreement and submit the declaration on requisite non-judicial stamp papers as and when required and execute the contract according to your form of Agreement etc., in default whereof, I/ We do hereby bind my-self / ourselves to forfeit the aforesaid deposit.
I / We further agree to complete the work included in the said schedule of quantities within specified time from the date of the work order issued to commence the same.
I / We agree to pay all taxes(except GST), insurance charges as prevailing from time to time, on such items for whom same is to be levied by/ for the government, and the rates quoted by me / us are inclusive of all the same.
Once again knowing fully well the contents of this tender, I / We sign this tender on this Day of month of 2023.

Signature of Bidder with seal

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## NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024 SPECIAL CONDITIONS & INSTRUCTIONS FOR THE GUIDANCE OF TENDERER

- 1. The works at the branch/Office premises need to be executed duly taking care of the local bye laws/regulations of the local authorities like Police Dept, Water supply and Sanitary Board, Electricity Board, Central/ State Labor Commission etc. Necessary permissions, licenses, temporary connections if needed shall be obtained by the Contractor and Bank shall not be held responsible for any lapses.
- **2.** The works shall be executed duly taking care of all safety measures and Bank shall be fully indemnified for any 3<sup>rd</sup> party claims, casualties, mishaps, loss of property etc. related to the undertaking & the execution of the subject work.
- **3.** GST TAXES: As per the new Goods & Services Tax (GST) structure, the tenderers are required to have GSTIN number & Tenderers without GSTIN number are not eligible to participate in the tender process. The details as per the Annexure I attached are to be mandatorily furnished along with the tender. The eligible tenderers are requested to quote the GST separately. The taxes will be deducted at source as per the statutory requirements. While raising the bill, it shall be mentioned as bill to Canara Bank and our Bank's GSTIN number to be mentioned.
- 4. CANARA BANK'S KARNATAKA STATE GSTIN NUMBER is 29AAACC6106GIZX.
- 5. Tenderers are requested to submit the EMD in the form of crossed Demand draft only on any of the nationalized Banks/State Bank Drawn in favor of Premises & Estate Section, Circle Office, Canara Bank, Hubballi, payable at Hubballi. Tender with EMD in any other forms shall be rejected.
- **6.** Tenderers are expected to visit the site before quoting the rates and should satisfy themselves as to the nature and conditions of work facilities available etc.
- **7.** The tenderers are required to examine the enclosed general plan, tender form and conditions mentioned in the tender.
- **8.** The tenderers should quote the rates in the figures. The amount for each item should be worked out and the requisite totals shall be given. The total amount shall be written both in figures and words.
- **9.** The rates quoted in the tender shall be for measured finished works and shall include all changes including cost of materials, transportation, freight charges etc. complete.
- **10.** The work is to be completed within stipulated time.
- **11.** The successful tenderers shall give all necessary personal attention to the work during the process of work and also until the expiry date of "Defects Liability Periods" which is 12 months after the date of completion of the work.
- **12.** The bank reserves the right to reject any portion of the work or material, which is, found unsatisfactory not up to the standard.

Signature of Bidder with seal

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### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

- **13.** A retention amount of 3% of the bill amount will be retained from the final bill and shall be paid to the successful tenderers after the defects liability period is over and upon the certification of the engineer.
- **14.** Income tax deduction at prevailing / appropriate rates will be retained from each running bill which will be certified by the income tax authorities and a receipt will be given to the contractors.

### CONDITIONS OF CONTRACT

- **1.** If any additions and alterations are found necessary, the tenderers will have to do the same within the tendered rates with the prior approval of the bank.
- **2.** The contractor shall employ adequate labor to complete the work within the scheduled time and shall make his own arrangements for housing his materials etc.
- **3.** The contactor shall have to make his own arrangements to house his labor and staff for their services.
- **4.** All tendered rates shall include for the cost of materials, labor, supervision, tools, plant, transportation, contingencies, duties, breakages, wastages, sundries, scaffolding, etc complete.
- **5.** All instruction regarding the execution of the work shall be received from the officials through consultant/architect only. Any other instructions issued directly to the contractor by anyone else shall not be binding on the bank.
- **6.** The bank shall have the power to omit or cancel any item of work without assigning any reason whatsoever and no claim for compensation for damage will be entertained for such omissions and cancellation.
- **7.** The contactor shall maintain satisfactory progress of work as well as maintain a desired level of workmanship. If in the opinion of the bank the progress is unsatisfactory and / or the workmanship is unsatisfactory then the bank shall take possession of the work within 7 days to that effect. The bank shall then complete the entire work and rectify all the defects at the contractor's cost and consequences.
- **8.** In case the bank is not satisfied with the quality of materials used by the contractors, they reserve the right to direct the contractor to procure such materials supplied from agencies they deem fit.
- **9.** The contactors is to be responsible for clearing any, all dirt and rubbish and superfluous materials as they accumulate and everything unnecessary and to leave the premises in a clean and orderly condition on completion and fit for occupation. No extra payment shall be made for doing this.
- **10.** Any work which is not approved by the bank shall have to be removed within 24 hours from the time of order and shall have to be redone by the contactor at his own cost and this cost will be borne by the contractor.

Signature of Bidder with seal

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### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

- **11.** No deviation whatsoever for any reason will be permitted, however, if any deviation becomes necessary, the same should be brought to the immediate notice of the bank and written approval must be obtained for such deviation before proceeding with the execution of work.
- **12.** The bank has got the right to supply any materials required for the work and cost of materials so supplied will be deducted from the bills of the successful contractor.
- **13.** The contactor shall be responsible for safe custody of his materials/materials issued to him by the bank till they are used for the work. He shall make his own arrangements for the safe custody and proper storage and preservation in sound condition till the same are actually used in the work.
- **14.** The tenderers shall extended full co-operation to the other contactor /agencies like electrical, air conditioning, Fire & CCTV, LAN etc who are also working for the same project and co-ordinate with them in finishing the awarded work within the stipulated time given.
- **15.** The contactor shall have a competent supervisor on the site for all the time.
- **16.** For any new item the rate will be fixed by the bank as per prevailing fair market rate and labor which will be binding on the contactor.
- **17.** In case the brand of materials mentioned in the tender is not available in the market, the alternate brand shall be used only after prior written approval of the bank.
- **18.** The contactor shall be given a single electrical connection at work site. Electrical charges for consumption by the contactor will be charged separately by the bank, contractors have to provide sub-meter.
- **19.** The successful tenderers shall not anticipate any financial help from the bank in the form of adhoc payment / advance for mobilizing and for starting the work.
- **20.** The contractor should strictly adhere to the specifications and make of the materials, mentioned in the annexure. Any deviation will summarily reject the items of the work and not qualify for payment.
- **21.** The successful tenderers shall be ready to carry out works between non banking hours and even at nights and holidays. The contractor should sign all the pages of the document and the same shall be submitted to us.

Acceptance of contractor for Labor laws

- ➤ The successful tenderers / Contractor shall carefully and diligently implement the provisions of the Contract Labor Act & Contract Labor Rules.
- The Bank shall be entitled to deduct from the Contract Consideration, any such amount which the Bank has to pay in accordance with the Contract Labor (Regulation & Abolition) Act 1971 and Workmen's Compensation Act, in the event of the Bank having to disburse compensation / effect any payment under the Contract Labor Acts / Rules.

Signature of Bidder with seal

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### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

- ➤ Please note that as per rule 81(1) of Contract Labour (R&A) Rules, 1971, it is mandatory on the part of the Contractor to the display the notice containing the following details at prominent place at the work site.
  - a) Rates of wages.
  - b) Hours of work.
  - c) Wage periods.
  - d) Dates of payment of wages.
  - e) Names & addresses of the Labor Inspectors having jurisdiction &
  - f) Date of payment of unpaid wages.

The notice containing the above details shall be displayed without fail at the work site.

- 1. The Contractor shall not engage any workmen for wages, less than the minimum wages prescribed under the notification issued by the Central Government.
- 2. The contractor should follow all labor laws/guidelines laid down by central /state government from time to time.
- 3. ABNORMALLY HIGH AND LOW RATED ITEMS:

For item rate tenders if, the rates quoted by the lowest bidder for certain items of the Bill of Quantities of the tender are found to be abnormally high or low in comparison to the market rate analysis of the item done by the Architects/Bank and or in comparison to Architect/Bank's method of working out market rate justification for the items, the same shall be governed as under in order to avoid financial loss to the Bank in the event of default of Bidders.

- i. For abnormally high rated items (AHR), the progressive payment shall be 80% (eighty percent) of the payment due to the Bidder against execution of the AHR item. The balance withheld 20% payment shall be released after 75% of total value of the original contract is complete in financial terms or this 20% withheld payment can be released to the Bidder on submission of an unconditional bank guarantee of equivalent amount in the proforma of Bank. Further deviation limit for AHR items shall be nil on plus side and Bank reserves the right to restrict, substitute or not execute the AHR items during execution. The decision of the Architect/Bank's Engineer in this regard shall be final and binding on the Bidder.
- ii. For abnormally low rated (ALR) items the Bidder shall submit Bank Guarantee of difference in total of amount of ALR item(s) and the total amount of corresponding items at market rate of the Architect/Bank. This bank guarantee shall be valid till completion of the project. In exceptional circumstances, the amount of Bank Guarantees (BG) may be reduced or BG released earlier than completion period if, in view of Architect/Bank's Engineer, all ALR items as provided in the contract are executed as per terms of contract and/or not required to be executed.

Notwithstanding what is contained in Para i) & ii) above, the provisions of Para (i) and (ii) shall not be applicable on tenders invited on percentage rate basis.

Signature of Bidder with seal

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### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

The decision of the Bank on identification/ marking of AHR and ALR item are final and binding on the Bidder. In case the Bidder do not agree for furnishing of Bank Guarantee as above towards ALR items, at the time of award of works, the EMD/Performance guarantee of the Bidder shall be forfeited and decision of Architect in this regard shall be final and binding on the Bidder.

### **CERTIFICATE**

I/ WE HAVE READ, FULLY UNDERSTOOD THE ABOVE MENTIONED REGULATIONS OF LABOUR LAWS/GUIDELINES AND ACCEPT THE SAME IN TOTO. I ALSO UNDERTAKE TO FOLLOW ALL LABOUR LAWS/GUIDELINES LAID DOWN BY CENTRAL /STATE GOVERNMENT FROM TIME TO TIME & INDEMNIFY THE BANK AUTHORITIES.

### **ANNEXURE I (TO BE MANDATORILY FURNISHED)**

1.	Name of the Contractor under the Contract Labor (Regulation and Abolition) Act, 1970 (37 of 1970) (if applicable)	
2.	LIN / PAN No	
3.	Email Id	
4.	Mobile No.	
5.	No. & date of Certificate of Registration/ License*	
6.	Name of Person in charge of work	
7.	LIN / PAN No. of the person in charge of work	
8.	Email Id of the person in charge of work	
9.	Mobile No. of the person in charge of work	

<sup>\*</sup> Please strike off whichever is not applicable



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## NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024 APPROVED LIST OF MATERIALS

SL NO	ITEMS	MAKES					
1	MCCB / MCB - C Curve	Legrand, L & T, Merlin Gerin, Hager, GE, C&S,					
	( All 10 kA Category)	Schneider Electric.					
2	ISOLATOR	LEGRAND					
3	SWITCHES, SOCKETS (MODULAR) &	LEGRAND (MYRIUS / ARTEOR ) / ANCHOR-					
	MODULAR BOX	WOODS//SCHNEIDER (ZENCELO), Anchor					
		Panasonic – Vision, M,K India Wraparound					
4	CHANGE OVER SWITCH	L&T/ C&S/HPL					
5	INSULATED WIRES (FRLS) CABLES	ANCHOR / FINOLEX / HAVELS/RR					
		Kabel/Polycab					
6	CABLE GLANDS & LUGS	SIEMENS					
7	POWER CABLES	Finolex/ Polycab /HAVELS					
8	LIGHT FITTINGS	HAVELL'S /WIPRO/ PHILIPS					
9	FAN	(CROMPTON / HAVELL'S ') (WHITE					
		COLOUR)					
10	16" WALL FAN	ALMONARD/ CROMPTON/HAVELLS/ USHA					
		(WHITE COLOUR)					
11	12"/9" EXHAUST FAN	CROMPTON / ALMONARD with double ball					
		bearing only					
12	DBS	Hager, Merlin Gerin, Legrand, GE, C&S					
13	TIMER	LEGRAND Model: 649 915 / SIEMENS					
14	ELECTRONIC REGULATORS	ANCHOR ROMA					
15	CASING CAPPING	MODI'S, GEMINI with ISI MARK					
16	PVC conduit Pipe	Avon Plast, Precision, Polycab, G.M with ISI					
	White/grey colour FRLS pipes only.	mark					
17	G.I. B-CLASS PIPES (ISI)	ITC, PRAKASH					
18	Telephone Wires/Cables	Delton, Finolex/ R.R Kabel (0.5 mm dia)					
19	MEASURING INSTRUMENTS	A.E., IMP, MECCO, SIEMENS					
20	DOUBLE RJ 11	ANCHOR ROMA / LEGRAND					

NOTE: Any brands indicated under the items specifications in the Bill of quantities will prevail over the above indicated makes. Apart from the above makes, any further equivalent make as approved by the Bank, can also be used with prior permission from the Bank and the consultant. Samples are to be approved by Bank and the Consultant if any.

COLOUR CODING: Color coding of wires to be followed strictly and all the DB boards to be named RED - Phase, BLACK - Neutral, GREEN - Earth

WARRANTY OF ABOVE ITEMS to be specified

Signature of Bidder with seal

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### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

### Certificate to be submitted by the contractor on completion of works

Forma	t of	Instal	lation	rest	Certif	ricate

I	pract		is carried out confirming to	o le rules and code of
II	Test	report is under		
	a	Insulation resistance	e test	
		R-N	M Ohms	
		Y-N	M Ohms	
		B-N	M Ohms	
	b	Load test		
				15
		5 A-1000 W	power point	minutes
		15 A-3000 W	power point	15 minutes
	С	Earth resistance for	asch electrode	
	·	1	each electrode	ohm
		2		ohm
		3		ohm
		4	-N-E Volts	Onn
		4	-IA-E VOILS	Yes /
	d	Wiring continuity te	est	No
		,		Yes /
	e	Earth continuity tes	t	No
	f	Certificate of makes	of material used in the wo	rk
	g	Circuit diagram		
		Certified that the el	ectrification work has been	carried out under the
	h	supervision of licens	sed electrical supervisor	
		Certified that the ea	arthing plate / pipe has bee	n verified and placed at
	i			

Signature of Electrical Supervisor Name:

License No.

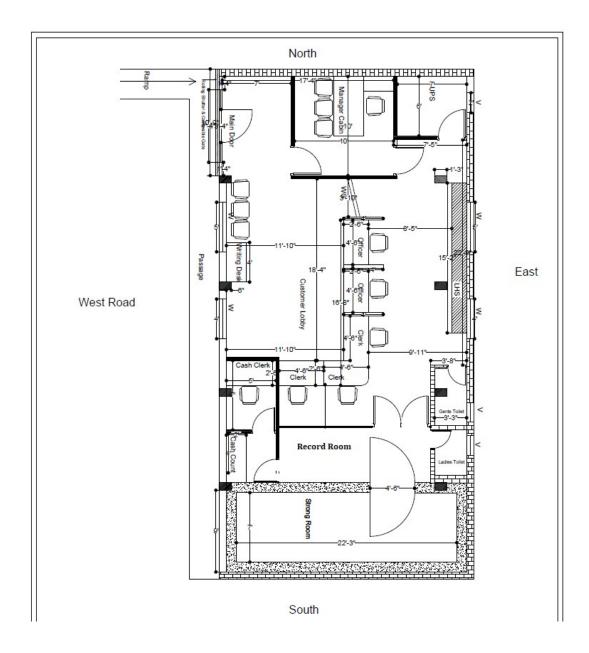
Signature of Bidder with seal

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### 🖔 ५०७ चैंधर्ज सिंडिकेट Syndicate

### NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024





## 🖔 ५०७ई९धर्ग सिंडिकेट Syndicate

## NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

	ELECTRICAL WORKS FOR CANARA				
PROJECT	BANK @ SANGAM - KALABURAGI				
Sl. No.	DESCRIPTION	Unit	Qty	Rate	Amount
1	Supply, Installation, testing and				
	Commissioning of UPS power				
	Sub-distribution board made out				
	of 16 guage CRCA/angleiron				
	dust and vermin proof coated				
	with two coats of red oxide pri-				
	mer and two coats of synthetic				
	enamel grey paint. It consists				
	of the following:				
	Incomer:				
	40A DP MCB C curve as				
	incomer- 1no				
	OUTGOINGS:				
	40A DP MCB C curve- 1no				
	63A rating copper busbars-1set				
	10A DP MCB C curve4nos	set	1		
2	Details as in item 1 above but				
	with the following item for sub-				
	distribution to terminal points.				
	10A DP MCB as incomer- 4nos	set	1		
3	Supply, Installation, testing and				
	commissioning of 20A three pin				
	single phase 230V industrial				
	plug & socket controlled by 25A				
	DP C category MCB in ms enclo-				
	sure for controlling 1/1.5Ton				
	split ac unit/power points.	set	6		
4A	Supply, Laying, testing and				
	commissioning of 1.1KV grade				
	PVC insulated and sheathed				
	aluminium conductor armoured				
	cable to be laid on wall/false				
	ceiling/in the ground as required				
	with necessary clamps and GI				
	pipe accessories complete				
а	4X35sqmm from Meter Board				

Signature of Bidder with seal

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	to Main Power distribution board	m	tr 2	5	
b	4x16sqmm	m	tr 2	5	
4B	Supply and end termination of				
	the above cable using brass				
	cable glands and copper lugs				
	complete.				
а	4x16 sqmm	se	t .	4	
b	4x 35sqmm	se	t ·	4	
5	Power/UPS wiring				
а	Supply and wiring 2runs of 4sqmm				
	and 1 run of 2.5sqmm PVC insu				
	lated FRLS copper wire in 25mm				
	dia 2mm thick pvc/casing capping				
	as required above the false ceiling				
	on wall/in the floor for power distri-				
	bution AC circute.	m	tr 25	כ	
b	Details same as above but with				
	2runs of 2.5sqmm & 1 run of				
	1.5sqmm in 19mm dia Pvc conduit				
	casing capping as required for				
	sub-distribution.	m	tr 25	0	
С	Details same as above but with				
	2 runs of 6sqmm & 1 run of 2.5				
	sqmm in 25mm dia Pvc conduit				
	as input for UPS power source.	m	tr 2	5	
d	Details same as above but with				
	4runs of 6sqmm & 1 run of 4sqmm				
	pvc insulated copper wires in				
	32mm dia pvc conduit with all				
	accessories complete.	m	tr 2	5	
6	SOCKETS AND SWITCHES				
	Supply and fixing the following				
	in ms enclosure/wall panelling				
	as required with necessary front				
	plate and other accessories				
	complete.				
а	3 nos 5A socket with switch &				
	indicator as one unit for compu-				
	ter terminal points.	se	t 1	3	
b	5/15A socket with switch for				
	other power requirements.	se	t 1	3	
С	5/15A switch socket in ms				

Signature of Bidder with seal

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# NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

		enclosure - 4nos	set	3	
d		Supply, Installation, testing and			
		Commissioning of 32A 3 pin			
		industrial plug and socket contro			
		lled by 40A DP C curve MCB			
		in ms enclosure for UPS power	set	4	
7A		LIGHTING WIRING			
а		Supply and wiring 2 runs of 7/20			
		and 1 run of 3/22 PVC insulated			
		copper sheathed copper wire in			
		25mm dia 2mm thick PVC con-			
		duit/casing capping with all acce			
		ssories including suitable ms/			
		pvc junction boxes wherever re-			
		quired above false ceiling/on wall			
		from the LDB to switch box/			
		control point.	mtr	280	
7B		POINT WIRING			
		Supply and wiring 2 runs of 2.5			
		sqmm & 1 run of 1.5sqmm Pvc			
		insulated and sheathed copper wire			
		in 19mm mm dia Pvc conduit/cas-			
		ing capping with all necessary			
		acce ssories above false ceiling/			
		on wall as required from switch			
		box to control point.			
а		Single light point controlled by			
		6A SP switch.	nos	25	
b		Two light points controlled by			
		6A SP switch.	nos	6	
С		Ceiling/wall fan without regulator	nos	5	
d		6A switch socket dependent pt	nos	10	
е		6A switch socket point	nos	10	
f		Exhaust fan point controlled by			
		15A SP switch.	nos	3	
g		Calling Bell point with Bell.	nos	1	
_	8	Supply, Installation, testing and			
		Commissioning of lighting fixture			
		on false ceiling/wall as required			
		with necessary accessories			
		complete.			
а		38W surface/Recess mtd LED			

Signature of Bidder with seal

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	luminaire with diffuser complete				
		Supply	set	15	
		Installation	set	15	
b	Surface/Recess mounted LED				
	downlighter 17W	Supply	set	15	
		Installation	set	15	
С	20W LED batton for indoor appli-				
	cation & general lighting.				
	3 5 5	Supply	set	6	
		Installation	set	5	
d	Ceiling fan 48inches with electro				
	nic regulator	Supply	set	1	
		Installation	set	1	
е	Industrial type	Supply	set	3	
	exhaust fan	Installation	set	3	
f	Wall mounting fan with regulator				
	complete	Supply	set	6	
	The part of the pa	Installation	set	6	
9	EARTHING				
а	Supply and providing 2.5mtrs				
	long 40mm dia GI pipe electrode				
	earth station as per IS 3043 with				
	alternate layers of sand and char				
	coal for earthing of Main DB.		set	1	
b	Supply and providing suitable				
	earth station with 600x600x3mm				
	copper plate and 40mm dia GI				
	pipe 2.5mtrs long with alternate				
	layers of sand and charcoal and				
	cast iron cover with all civil works				
	as per IS 3043 complete for UPS				
	board earthing. The line earth				
	loop impedence as measured at				
	any junction box shall be of value				
	less than 0.5 ohm. The charcoal				
	and salt shall be in in proportion				
	of 75% and 25%. The are around				
	salt and charcoal shall be cove-				
	red by sand.		set	1	
С	Supply and laying of 8 SWG				
	bare copper wire for Main distri-				
	bition board earthing.		mtr	60	

Signature of Bidder with seal

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# শিভিकेट Syndicate NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

10	MISCELLANEOUS ITEMS			
а	Supply and running casing capp-			
	ing conduit of size 19mm on wall			
	panelling/wall/ceiling as required	mtr	60	
b	Supply, installation, testing and			
	commissioning of 63A 4P load			
	break change over switch in ms			
	enclosure with necessary angle			
	frame for fixing DG supply.	set	1	
С	Supply and fixing MS S hook			
	with necessary chipping of ceil-			
	ing ceiling concrete & civil works	set	1	
d	Supply and fixing electronic			
	regulator for fans.	set	4	
е	Supply & wiring 2 core 1.5sqmm			
	flexible conductor.	mtr	15	
f	Supply and fixing 63 TPN MCB			
			Rate	
	c curve in ms enclosure.	no	Only	
g	Supply and fixing 25A DP MCB			
	in ms enclosure.	no	3	
h	Supply and fixing 32A DP switch			
			Rate	
	in enclosure for others	set	Only	
11a	Supply, Installation, testing and			
	Commissioning of Main distribu-			
	tion board made out of 16 guage			
	CRCA sheet/angle iron coated			
	with two coats of red oxide pri-			
	mer and two coats of finished			
	paint. It consists of the following:			
	100A TPN MCCB 10KA FL with			
	shunt tripcoil as incomer - 1 set			
	Digial combined meter indicat-			
	ing A,V,KW & KWh complete-			
	1 set with CTs, indicating lamps,			
	ELR with CBCT and Control			
	fuses- 1set			
	Outgoings:			
	40A DP MCB C curve for UPS-2no			
	40A DP MCB for lighting -1no			
	32A DP 100ma ELCB- 1no			

Signature of Bidder with seal

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## NIT Ref. COHUB: P&E:DPJ:5347:2024-25 dated 03.05.2024

	10A SP MCB -9nos for lighting			
	sub-distribution			
	32A DP MCB C curve for AC - 1no			
	32A DP MCB C curve for Fire			
	Alarm & Board lights- 2nos			
	40A TPN MCB C curve for			
	ATM - 1no			
	32A TPN C curve MCB for Raw			
	power loads-1 no			
	32A TPN MCB as spare- 1no	set	1	
11b	Supply, Installation, Testing &			
	commissioning of Sub-distribution			
	Board for E Lobby with 1no 40A			
	DP MCB C curve as incomer			
	and 25A DP MCB- 3 nos as			
	outgoings for distribiton complete			
	with wiring	Nos	1	
12	TELEPHONE WIRING			
a	Supply and laying 2 core copper			
	pvc insulatead telephone conduc			
	tor in existing 19mm dia pvc			
	conduit complete.	mtr	150	
b	Supply and laying 19mm dia pvc			
	conduit for telephone wiring	mtr	150	
С	Supply and fixing telephone			
	crone box complete	set	1	
d	Supply,fixing RJ telephone soket	set	12	
е	Supply and fixing Hylam Sheet			
	at existing lighting control pts.	Sq in	5	
	Total EX GST			