

Price 500/-



Tender Documents

Ref. of NIT : 001 /2019-20

Name of Work : Electrical Works

Estimated Cost : Rs 05.00 lacs (Five lacs Only)

Issued to M/s.:.....

Rajasthan Cricket Association

SMS Stadium, North Pavillion, Ambedkar Circle, Jaipur 302005

Phone: +91-141-5117001/3, Fax: +91-141-5117002

Web Site: www.cricketrasthan.in E-mail: rca@cricketrasthan.in



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Tender Notice Inviting bids from reputed contractors for renovation of RCA Academy 3rd floor **Electrical Works** at RCA SMS Stadium, Jaipur.

Tender issued to M/s	
Address	
Phone	
Fax No	
Mobile	
Email address	
Date of issuing of Tender	From: 22.11.2019 to 24.11.2019 (11.00 AM to 2.00 PM)
Last Date & Time for Submission	Up to 25.11.2019 till 3.00 PM
Date & Time of opening of Tender	25.11.2019 till 5.00 PM

Details of Earnest Money Deposit

Amount	Rs. 5,000/- (Five thousand Only)
In favour of & payable at	Rajasthan Cricket Association Payable at Jaipur
DD/ Pay Order No. & Date	
Drawn on	

Date :

Place :

Signature of Bidder
(With Full Name, Address & Seal)



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SHORT TERM TENDER NIT NO. 0001/2019-20

RCA invites EPC contract (lumpsum contract) tender from reputed and registered contractors in appropriate class with RCA, Central, State Govt., local bodies for the Electrical Work at RCA Academy 3rd floor at RCA SMS Stadium, Jaipur.

S.No	Name of work	E.M.D. (Rs)	Tender fee (Rs)	Date of Issue of Tender	Last Date of submission	Period of completion of work
1.	Electrical Work and Misc. Work for Renovation of 3 rd Floor, RCA Academy, Jaipur	5000.00 (Refundable)	500.00 (Non Refundable)	From : 22.11.2019 To : 24.11.2019 (11 am to 2 pm)	25.11.2019 (Upto 3.00 PM)	10 days

Tender form can be obtained from the office of Rajasthan Cricket Association or down load from website .Tender document duly completed should be submitted with demand draft of earnest money in favor of Rajasthan Cricket Association payable at Jaipur on or before 3.00 PM on 25.11.2019 in office of under signed.

Tender Document should be present in separate 3 Envelope -
Technical Bid & Qualification Documents in first Envelope.

1. **Financial Bid** in second Envelope.
2. Above **Technical Bid & Qualification Documents** and **Financial Bid** should be sealed in the third Envelope.

Hony. Secretary
Rajasthan Cricket Association



Rajasthan Cricket Association

SMS Stadium, North Pavillion, Ambedkar Circle, Jaipur 302005

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GENERAL CONDITIONS

1. Tender form can be obtained from the office of RCA on payment of Rs. 500/- cash as cost of tender document which is non-refundable.
2. Tenders must be submitted on a prescribed form with the name of the work written on the envelopes to the office of RCA.
3. Financial as well as technical part of the tender document must be written in clear, readable format in figure and words. Over writing may result in rejection of tender.
4. Complete address with all relevant details of contact person should be given by the tendering firm.
5. The complete tender document should be duly signed by authorized person of the tendering firm.
6. The work is to be completely finished to the satisfactions of Engineer-in-charge. RCA within stipulated period of completion.
7. Earnest Money of Rs. 5,000/- shall be deposit with the tender. Earnest Money would be deposited in the form of Demand Draft in favour of Rajasthan Cricket Association payable at Jaipur.
8. "The security deposit @10% of the gross amount of the running bill shall be deducted from each running bill and shall be refunded as per rules on completion of the contract as per terms and conditions. However, the amount of security deposit deducted from running bills shall not be converted into any mode of securities like Bank Guarantee or FDR etc. The earnest money deposit shall however be adjusted while deducting security deposit from first running bill of the contractor. There will be no maximum limit of security deposit.

However, a contractor may opt to deposit full amount of 10% security in the shape of bank guarantee or any acceptable form of security before or at the time of executing agreement. In that case earnest money may be refunded only after deposition of full 10% amount of Security Deposit as above. However, in case during execution, cost of works exceeds as shown at the time of depositing 10% as above, balance security deposit shall be deducted from the Running Account Bills.

Security Deposit will be refunded after 6 months of completion of work satisfactorily as per specifications.

9. The RCA reserves the right to accept/reject any or all of the tenders without assigning any reason whatsoever and its decision will be final.

10. Tender forms, as issued by Rajasthan Cricket Association SMS stadium, Jaipur should be returned with all enclosures to the office of issue on or before the date for submission of tender.
11. All tenders, in which any of the prescribed conditions are not fulfilled or which have been vitiated by errors in calculations, totaling or other discrepancies or which contain over-writing in figures or words or corrections not initialed and dated, will be liable to rejection.
12. Make/quality of any material supplied, should be approved by Engineer-in-charge, RCA.
13. The work will be executed strictly according to the PWD / RCA specifications.
14. The labour laws in force during the execution of work shall be binding on the contractor.
15. All taxes, surcharge and octroi shall be borne by the contractor.
16. The contractor shall hand over the material received from excavation to the engineer-in-charge, RCA and in case of loss of material the same shall be recovered from contractor at the market rate to be decided by RCA. However the contractor will be fully responsible for the safe custody of material till the completion of the job.
17. The contractor will not put any condition in the tender and RCA shall have right to reject the conditional tender.
18. All testing charges will be borne by the contractor if any.
19. The cement produced from mini cement plant will not be allowed. The quality of cement to be used must be approved from engineer-in-charge, RCA.
20. The conditions/requirements of bid may be relaxed in the interest of RCA.
21. Enlisted contractor of other Govt./Semi Govt. Deptt. Will be eligible to participate in tender.

Date :

Place :

**Signature of Bidder
(With Full Name, Address & Seal)**



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Name of Work : Electrical Works and Misc. Work for renovation of RCA Academy
3rd floor at RCA SMS Stadium, Jaipur.

SPECIAL CONDITIONS OF CONTRACT

1. Work will be carried out as per Rajasthan PWD/RCA specification unless otherwise specified. In general, any item not included in the work will be carried out as per instructions of the engineer-in-charge, RCA.
2. All arrangements regarding water, T&P required for the job will be made by the contractor.
3. GST and other taxes if any will be paid by the contractor as per rules. He is bound to follow labour laws and fair wages clause.
4. In case any material is required to be tested, the contractor will make all arrangements at his own cost. Testing charges would be borne by the Contractor.
5. The work shall be completed within the period as mentioned in Notice inviting Tender/Agreement/Bid.
6. The quantum of work/items may increase or decrease at the discretion of the engineer-in-charge, RCA.
7. The contractor is expected to have visited the site of work and acquainted himself of general terrain, type of materials, their availability and other relevant information related to the work by personally inspecting before tendering for the work.
8. No condition are to be observed by the contractor, competent authority shall have right to reject such tenders/bids.
9. Machineries and other tools and plants may be given to the contractor if available with RCA. The cost of transportation of T&P to the site of work and back to the RCA shall be borne by the contractor. If the machinery is not available, the contractor shall make his own arrangements.
10. EPC contract there is no extra payment will be made to the contractor.
11. **Two or more contractors may be assigned for the same work as per requirement or decided by the authorized person.**
12. Group of the bidder for a particular assigned work can be created as per requirement of the association or the urgency of the work.
13. Contractor should be registered firm/company from last 3 years in field of civil work, Air condition work, aluminum work, interior work, flooring, electrical and plumbing in last 5 years
14. Company should have GST, PAN Number and PF Number.
15. Company should have at least one work order of any nature of civil/interior (Civil work, Air condition work, aluminum work, interior work, flooring, electrical and plumbing in last 5 years.) from reputed company/government. Copy of work order should be attached with Tender document.
16. RCA authorities is free to execute H-schedule Part-A or Part-B as per their requirement and suitability of work.

Date :

Place :

**Signature of Bidder
(With Full Name, Address & Seal)**

BID Submission Procedure

Tender document will have two main components which are to be placed in two separate sealed envelopes. These two envelopes should be placed in one main envelope which should also be sealed. The process is as follows:

1. The first envelope will contain a DD of Rs. 5,000 towards EMD in favour of Rajasthan Cricket Association, Payable at Jaipur and documents as mentioned in the qualification document listed below. This envelope will be opened for all the applicants. This envelope should be clearly marked as '**Technical Bid & Qualification Documents**'. This envelope should not contain any other material or documents.
2. The second envelope will contain the price bid. It will be opened for the short listed bidders who qualify in stage 1. This envelope should be marked as "**Financial BID**".

Non-adherence to this procedure will result in disqualification of the firm.

Important Dates

Date	Time	Timeline
20.11.2019		Tender Notice
22.11.2019 to 24.11.2019	Upto 02:00 pm	Sale of Tender Document
25.11.2019	Upto 03:00 pm	Submission of Tender Documents
25.11.2019	05:00 pm	Opening of Tender Documents

Qualification Documents	<ol style="list-style-type: none">1. Tender Document (<i>Duly signed by authorized person</i>)2. DD of Rs.5,000 towards EMD3. Annexure-1 (<i>Financial Details</i>)4. Annexure-2 (<i>Availability of Machinery, Equipment and Man Power</i>)5. Annexure-3 (<i>Details of Major Works Executed</i>)6. Annexure-4 (<i>Details of Existing Commitments</i>)7. Annexure-5 (<i>Details of Quantities of Works Executed</i>)
Financial BID	H- Schedule (<i>duly filled and signed, clearly in numeral & words</i>)

Financial Details

1. Name of Work : Electrical Works and Misc. Work for renovation of RCA Academy 3rd floor at RCA SMS Stadium, Jaipur.
2. Name of Contractor :
3. Income Tax Pan No. :
4. GST Number :
5. Max. Value of single work completed : (in Last Three years)
6. Total financial turnover achieved by the bidder in the last five financial years:

Sr.#	Year	Turnover
1		
2		
3		
4		
5		

Note: Balance sheets and Profit & Loss Accounts for the last five financial years should be enclosed.

7. Total financial turnover projected in the current financial year
8. Has the bidder ever been debarred form tendering for Central Government/any State Government/any Government undertaking? Yes/No
- If yes, give details
-
9. Has the bidder ever been declared insolvent? Yes/No
- If yes, give details
-
10. Names (S) and Branch (s) of bidder's Bankers

I/WE hereby certify that the above information is correct to the best of my/our knowledge and belief.

Date :

Place :

Signature of Bidder
(With Full Name & Seal)

Availability of Machinery, Equipment and Man Power

Sr. #	Details	Owned (Nos.)	Leased (Nos.)	Total
1.				
2.				
3.				
4.				

Date :

Place :

Signature of Bidder
(With Full Name, Address & Seal)

Details of Major Works Executed

S.No.	Name of works (with agreement No. & Date)	Client	Place (District/ State)	Cost of work as per work order	Date of commencement	Stipulated date of completion	Actual Date of Completion	Actual Value of work Completed
1	2	3	4	5	6	7	8	9

Date :

Place :

Signature of Bidder
(With Full Name, Address & Seal)



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H-Schedule (Part-A)

Name of Work: - Electrical Work of RCA Academy 3rd floor Finishing & Interior Works at RCA SMS Stadium, Jaipur.

S.No.	Description of item	Unit	Qty	Rates	Remarks
1	Renovation of RCA Academy 3 rd floor including Electrical Work and Misc. Work as per scope of work as per tender document and drawing at RCA SMS Stadium, Jaipur.	Per sqfeet	2400.00		
				Total	

(In words Rupees)

Date :

Place :

Signature of Bidder
(With Full Name, Address & Seal)



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H-Schedule (Part-B)

Name of Work: - Electrical Works and Misc. Work for Renovation of RCA Academy 3rd at RCA SMS Stadium, Jaipur.

Rajasthan Cricket Association invite sealed tender for Finishing & Interior Works and Misc. Work for renovation of 3rd Floor of the RCA Academy, Jaipur for RCA Administrative Office with following works :-

I.	POINT WIRING	Unit	Rate	Amount
1)	Wiring for Light point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick/ stone work and including the cost of Supplying and fixing of MS boxes and fixing of 6 Amp Modular type switch, grid plate, modular cover plate & also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required			
a.	Single Point controlled with single 6 Amp switch (upto 3mtr)			
b.	Primary Point controlled with single 6 Amp switch (upto 5mtr)	Nos		
b.	Primary Point controlled with single 6 Amp switch (upto 10mtr)	Nos		
c.	Secondary loop Point controlled with primary point 6A switch (upto 3mtr)	Nos		

2)	Wiring for Light point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick/ stone work and including the cost of Supplying and fixing of 10 Amp MCB & also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required	Nos		
a.	primary point controlled by 10A MCB. (upto 5mtr)			
b.	primary point controlled by 10A MCB. (upto 10mtr)	Nos		
c.	secondary loop point controlled by primary point 10A MCB. (upto 3mtr)	Nos		
3)	Wiring for Twin controlled Light point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick work and including the cost of Supplying and fixing of 2 nos MS boxes & fixing of 2 nos 6 Amp Two way Modular type switch, grid plate, modular cover plate & and also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required (upto 5mtr)	Nos		
3) a	Wiring for Twin controlled Light point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick work and including the cost of Supplying and fixing of 2 nos MS boxes & fixing of 2 nos 6 Amp Two way Modular type switch, grid plate, modular cover plate & and also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required (upto 10mtr)	Nos		
4)	Wiring for fan point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick/ stone work and including the cost of Supplying and fixing MS boxes & fixing of 6 Amp one way Modular type switch, 100 Watt electronic hume free 5 stepped fan Regulator, grid plate, modular cover plate and also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required	Nos		

4)A	providing ,fitting of fasner in false ceiling or ceiling for hang ceiling fan with require accessories	Nos		
5)	Wiring for Exhaust fan point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting / making good chases in brick/ stone work and including the cost of Supplying and fixing of MS box & 6 Amp one way Modular type switch, grid plate, modular cover plate and also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required	Nos		
6)	Wiring for Bell point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick/ stone work and including the cost of Supplying and fixing of MS boxes & ding dong type bell and fixing of Modular type bell push , grid plate, modular cover plate & also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required	Nos		
7)	Wiring for Voltage output 240 volt shaver socket. with 2 x 2.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick/ stone work and including the cost of Supplying and fixing of MS boxes , grid plate, modular cover plate & also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required	Nos		
8)	Wiring for 6 Amp Light plug point with 2 x 1.5 Sqmm FR PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick work and including the cost of Supplying and fixing of MS boxes, fixing of 6 Amp one way Modular type switch & 6 Amp 5 pin combined shuttered socket outlet, grid plate, modular cover plate & also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required	Nos		
a.	Light Plug point On Board			
b.	Light Plug point (upto 3mtr)	Nos		
b.	Light Plug point (upto 5mtr)	Nos		

9)	Wiring for 16 Amp Power plug point with 2 x 2.5 Sqmm FRLS PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting / making good chases in brick/ stone work and including the cost of Supplying and fixing of MS boxes & fixing of 16 Amp one way Modular type switch & 16/ 6 Amp 6 pin combined shuttered socket outlet, grid plate, modular cover plate and also include cost of loop earthing with 1.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required (upto 5mtr)	Nos		
10)	Wiring for 16 Amp Power plug point with 2 x 4.0 Sqmm FRLS PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick/ stone work and including the cost of Supplying and fixing of MS boxes & fixing of 16 Amp one way Modular type switch & 16/ 6 Amp 6 pin combined shuttered socket outlet, grid plate, modular cover plate and also include cost of loop earthing with 2.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Complete as required (upto 5mtr)	Nos		
11)	Wiring for Gyser point with 2 x 4.0 Sqmm FRLS PVC insulated, copper conductor Multistrand Flexible wires in surface/ recessed Medium duty PVC conduit & its accessories including the cost of cutting/ making good chases in brick/ stone work and including the cost of Supplying and fixing of MS boxes, fixing of 5 pin 20 Amp socket & top , 3mm thick laminated sheet and also include cost of loop earthing with 2.5 Sqmm FRLS PVC insulated, Copper conductor multistrand Flexible wires Socket near the Gyser and 20 Amp Modular type Switch at Switch board Complete as required	Nos		
	Total carried over to Summary	Nos		
12)	Supplying and drawing HR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit /casing capping including making connections etc. as required.for ckt			
a)	2 x 1.5 sq. mm.			
b)	1 x 2.5 sq. mm.	per Mtr		
c)	2 x 2.5 sq. mm.	per Mtr		
d)	2 x 2.5 sq. mm. + 1x1.5sqmm	per Mtr		
e)	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm.	per Mtr		
f)	2 x 6.0 sq.mm+ 1 X 4.0 sq mm	per Mtr		

g)	2 x 10.0 sq.mm + 1 x 4.0 sq mm	per Mtr		
h)	2 x 16.0 sq.mm + 1 x 10.0 sq mm	per Mtr		
13)	S&F following sizes of ISI marked Medium duty PVC conduit along with heavy duty accessories in surface /recessed using saddles, clamps, fasteners as required including cutting the wall and making good the same as per specification, drawing & recommended make.	per Mtr		
a)	20 mm			
b)	25 mm	per Mtr		
c)	32 mm	per Mtr		
14)	Supplying and drawing HR PVC insulated & unsheathed flexible industrial three core copper submersible cable ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit /casing capping including making connections etc. as required.	per Mtr		
a)	3c x 1.5 Sqmm			
b)	3c x 2.5 Sqmm	per Mtr		
c)	3c x 4.0 Sqmm	per Mtr		
d)	3c x 6.0 Sqmm	per Mtr		
II	REPAIRING OR CHANGE SWITCH & SOCKET MODULER TYPE	per Mtr		
a)	S&F,testing and Connecting 6A Switch SP 1way, 1 module with cover plate			
b)	S&F,testing and Connecting 6A Switch SP 2way, 1 module with cover plate	Nos		
c)	S&F,testing and Connecting 16A Switch SP 1way, 1 module with cover plate	Nos		
d)	S&F,testing and Connecting 20A Switch SP 1way, 1 module with cover plate	Nos		
f)	S&F,testing and Connecting 6A Socket (W/O) sutter, 2 module with cover plate	Nos		
g)	S&F,testing and Connecting 16A Socket (W/O) sutter, 2 module with cover plate	Nos		
h)	S&F,testing and Connecting 20A Socket (W/O) sutter, 2 module with cover plate	Nos		
i)	S&F,testing and Connecting 20/25A motor stator 2 module with cover plate	Nos		
III	REPAIRING OR CHANGE BAKELITE SHEET BOARD,WOODEN BOX, CAPTIVE SCREW TYPE SWITCH & SOCKET	Nos		
a)	Provide and instalation 4X4 Module Wooden type box with Bakelite Sheet cover plate			
b)	Provide and instalation 7X4 Module Wooden type box with Bakelite Sheet cover plate	Nos		
c)	Provide and instalation 10X4 Module Wooden type box with Bakelite Sheet cover plate	Nos		

d)	Provide and instalation 12X4 Module Wooden type box with Bakelite Sheet cover plate	Nos		
f)	Provide and instalation On Bakelite Sheet installed Screw type fit 6A Switch	Nos		
g)	Provide and instalation On Bakelite Sheet installed Screw type fit 15A Switch	Nos		
h)	Provide and instalation On Bakelite Sheet installed Screw type fit 5A Socket	Nos		
i)	Provide and instalation On Bakelite Sheet installed Screw type fit 15A Socket	Nos		
	Provide and instalation On Bakelite Sheet installed Screw type fit 240v fan regulator	Nos		
IV.	LIGHTING FIXTURES & FANS WORK	Nos		
14)	Supply,Installation, testing and commissioning of Surface mounted direct / indirect electronic balast luminaire designed for metric false ceiling type or similar ceiling mounting system with powder coated CRCA body , round type with 36 (2X 18) watt LED Downlighter of Philips / Wipro / bajaj / CG/ Legero make.			
15)	Supply, ,Installation, testing and commissioning of Recessed mounted direct / indirect magnetic balast luminaire designed powder coted CRCA ring for metric false ceiling type Armstrong/ US gypsum or similar ceiling mounting system with concealed or exposed 'T' section round type with 36 (2X 18) watt horizontal downlighters LED of Philips / Wipro / bajaj / CG/ Legero make.	Each		
16)	Supply,Installation, testing and commissioning of Recessed mounted 1'X1' direct / indirect luminaire designed for metric false ceiling type or similar ceiling mounting system with powder coated CRCA body Aluminium mirror reflector L type with 36 (2X 18) watt LED light of Philips / Wipro / bajaj / CG/ Legero make.	Each		
17)	Supply,Installation, testing and commissioning of Surface mounted direct / indirect luminaire designed for ceiling surface mounting system with powder coated CRCA body Aluminium mirror reflector type with 36 (2X 18) watt LED light of Philips / Wipro / bajaj / CG/ Legero make.	Each		
18)	Supply, ,Installation, testing and commissioning of Recessed mounted direct / indirect magnetic balast luminaire designed powder coted CRCA ring for metric false ceiling type Armstrong/ US gypsum or similar ceiling mounting system with concealed or exposed 'T' section round type with 36 (2X 18) watt horizontal downlighters with frosted glass LED of Philips / Wipro / bajaj / CG/ Legero make.	Each		

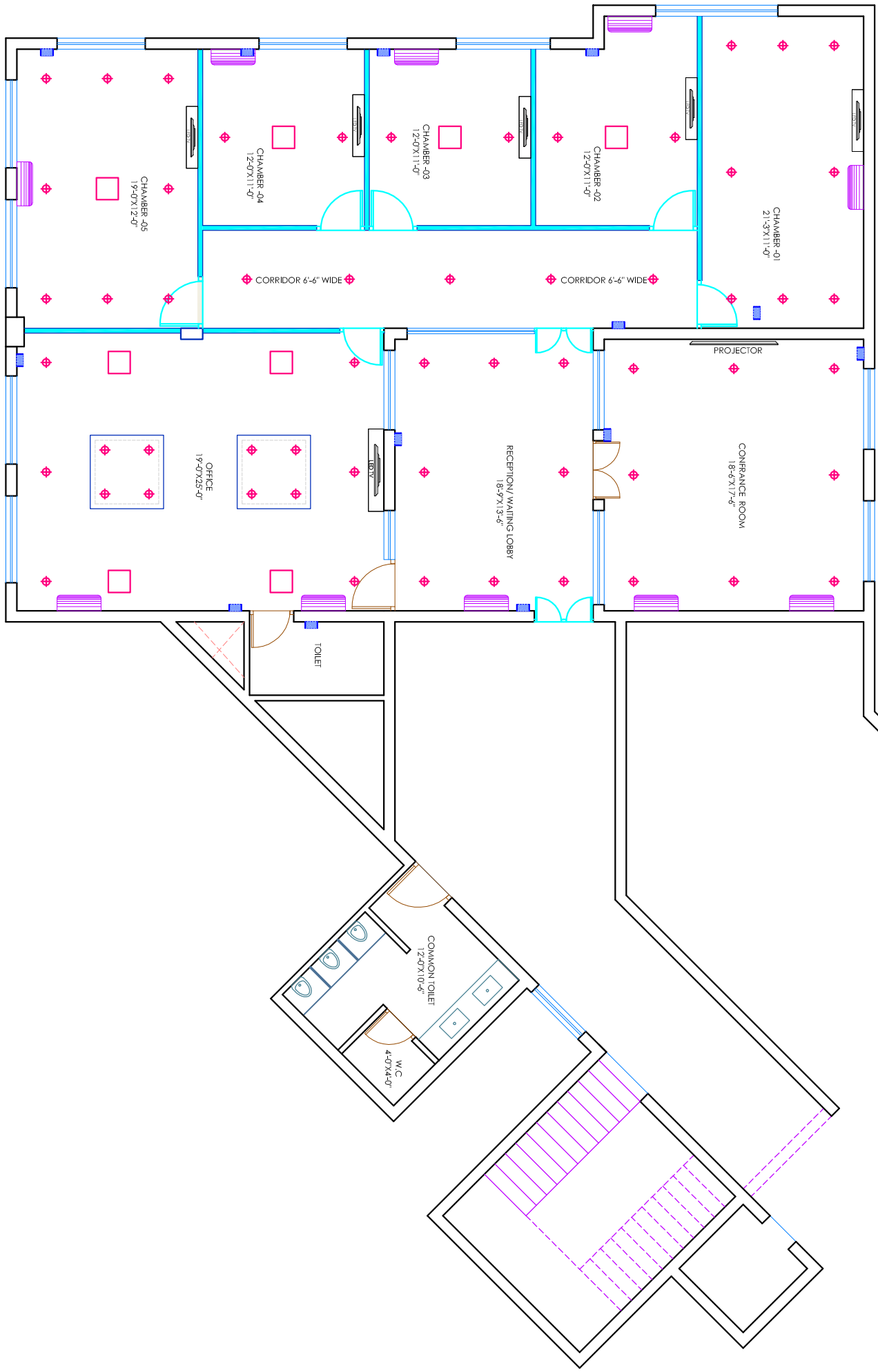
19)	Supply,Installation, testing and commissioning of Surface mounted direct / indirect FTL luminaire designed powder coated CRCA sheet with aluminium mirror reflector with (2X 36) watt of Philips / Wipro / bajaj / CG/ Legero make.	Each		
20)	Supply and Fixing of Batten type Bulb Holder of superior quality with all required accessories complete in all respect. of make Antex/ Anchor/ Leader/etc	Each		
21)	Supply,Installation, testing and commissioning of 1x36/40 watt surface mounted type fluorescent tube light with 36/40w tube and stator and chock of ltube light fitting including making connection, testing etc. as required with lube light.	Each		
21) a	Supply,Installation, testing and commissioning of 1x36/40 watt light tube	Each		
21) b	Supply,Installation, testing and commissioning of 1x36/40 watt tubelight open/recessed type Electronic Ballast complete with accessories like screw connector	Each		
21) c	Supply,Installation, testing and commissioning of 1x18 watt tubelight open/recessed type Electronic Ballast complete with accessories like screw connector	Each		
21) d	Supply,Installation, testing and commissioning of 1x36/40 watt tube light open/recessed type stator complete with accessories like screw connector	Each		
22)	Supply,Installation, testing and commissioning of 1x18 watt 2 pin type LED light complete fit in Downlighter with accessories like screw ,connector .	Each		
23)	Supply,Installation, testing and commissioning of 1x18 watt 4 pin type LED light complete fit in Downlighter with accessories like screw ,connector .	Each		
24)	Supply,Installation, testing and commissioning of 1x36 watt 4 pin type LED light complete fit in Downlighter with accessories like screw ,connector .	Each		
25)	Supply, Installation, testing and commissioning of 1x11 watt LED mirror light including making connection, testing etc. as required with tube.	Each		
26)	Supply of Decorative type bracket light suitable for LED bulb as per approved sample & design of any reputed/ local make.	Each		
27)	Supply & Fixing of ceiling fan including wiring the down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required.	Each		
a	900MM DIA			
b	1200MM DIA	Each		
c	1400MM DIA	Each		

28)	Supply & Fixing of Heavy duty capacitor start 900 RPM single phase ISI marked Exhaust fan/ fresh air fan, IS:2312 marked in existing opening including making connections testing etc. as required.	Each		
a	300 MM DIA Exhaust Fan/fresh air fan			
b	450 MM DIA Exhaust Fan/fresh air fan	Each		
c	225 MM DIA Fresh Air Fan	Each		
29)	Supply & Fixing of capacitor start, three speed wall mounting fan of 400 mm sweep with the help of anchor bolts including making connection testing etc. as required.	Each		
V.	DISTRIBUTION BOARDS WORKS	Each		
30)	P&F 240/415 V MCB of breaking capacity not less than 10 KA (B/C/D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as per approved make.			
	Single pole			
a)	6 Amp to 32 Amp rating,			
	Three pole	Each		
b)	6 Amp to 32 Amp rating,			
c)	40 Amp to 63 Amp rating,	Each		
	Four pole	Each		
d)	6 Amp to 32 Amp rating,			
e)	40 Amp to 63 Amp rating,	Each		
31)	P&F 240/415 V MCCB Thermal magnetic trip ICS =100%ICU , breaking capacity not less than 16 KA (B/C/D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as per approved make.	Each		
a)	40A FP (25ka)			
b)	63A FP (25ka)	Each		
c)	80A FP (25ka)	Each		
d)	100A FP (25ka)	Each		
e)	125A FP (25ka)	Each		
f)	160A FP (25ka)	Each		
g)	200A FP (25ka)	Each		
h)	400A FP (36ka)	Each		
32)	P&F 240/415 V Residual current circuit breaker conforming to IS:12640:1988/ IEC 61008 on existing board/sheet including making connections with lugs, testing etc. as required	Each		
	Two pole 100/300mA sensitivity			
a)	25 A rating			

b)	40 A rating	Each		
c)	63 A rating	Each		
33)	P&F Recessed/ Surface mounting heavy duty horizontal type SPN double door sheet steel Distribution board phophatised/ powder painted complete with copper bus bar, shorting link , neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as per approved make.	Each		
a)	4 WAY			
b)	8 WAY	Each		
c)	12 WAY	Each		
d)	16 WAY	Each		
34)	P&F Recessed/ Surface mounting heavy duty horizontal type TPN double door sheet steel Distribution board phophatised/ powder painted complete with copper bus bar, shorting link , neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as per approved make.	Each		
a)	4 WAY			
b)	6 WAY	Each		
c)	8 WAY	Each		
d)	12 WAY	Each		
35)	P&F recessed/ surface mounting heavy duty vertical type TPN Double Door sheet steel Distribution board with MCCB incomer provision, phophatised ,powder painted complete with insulated copper bus bar , neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required.	Each		
a)	4 WAY			
b)	6 WAY	Each		
c)	8 WAY	Each		
d)	12 WAY	Each		
36	P&F recessed/ surface mounting heavy duty vertical steel sheet typ emcb enclosures Distribution board for MCB/RCCB/RCBO incomer provision, phophatised ,powder painted, earth link and including making internal DB terminations with Aluminium lugs , testing etc. as required.	Each		
a	SP Encloser			
b	DP Encloser	Each		
c	TP Encloser	Each		
d	FP Encloser	Each		
VI.	LT CABLES & ACCESSORIES WORKS	Each		

37)	Supply, handling, laying, testing and commissioning of following size cross linked polyethylene (XLPE) insulated Aluminium conductor Armoured LT cable suitable for 1.1 KV grade confirming to IS:1554 part 1 of approved make in cable tray /hume pipe / wall / ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth , including making necessary connection, testing etc. as required of size.			
a	2 core 6.00 sq.mm			
b	4 core 10.00 sq.mm	R/ Mtr		
c	4 core 16.00 sq.mm	R/ Mtr		
d	3.5 core 35.0 Sq.mm	R/ Mtr		
e	3.5 core 50.0 Sq.mm	R/ Mtr		
f	3.5 core 70.0 Sq.mm	R/ Mtr		
g	3.5 core 95.0 Sq.mm	R/ Mtr		
h	3.5 core 120.0 Sq.mm	R/ Mtr		
38)	Supplying and making one end termination with heavy duty single compression brass gland , aluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.	R/ Mtr		
a	2 core 6.00 sq.mm			
b	4 core 10.00 sq.mm	Each		
c	4 core 16.00 sq.mm	Each		
d	3.5 core 35.0 Sq.mm	Each		
e	3.5 core 50.0 Sq.mm	Each		
f	3.5 core 70.0 Sq.mm	Each		
g	3.5 core 95.0 Sq.mm	Each		
h	3.5 core 150.0 Sq.mm	Each		
39)	P & Fabricating & installing following sizes of perforated M.S. cable trays including horizontal and vertical bends, reducers tees, cross members and other accessories as required and duly suspended from the ceiling with M.S. suspenders and including painting	Each		
a)	150mm x 50mm x 1.6mm			
b)	300mm x 50mm x 1.6mm	R/ Mtr		
c)	450mm x 50mm x 1.6mm	R/ Mtr		
		R/ Mtr		

FALSE CEILING PLAN



ACADEMY 3RD FLOOR OFFICE LAYOUT