

REQUEST FORWARD PROPOSAL (TENDER FORM)

**REQUEST FOR PROPOSAL FOR MODERNISATION / RENOVATION OF
PHYSICS LAB AT SENIOR WING OF ARMY PUBLIC SCHOOL, CHANDIMANDIR**

1. Sealed Tenders are invited on Two Bid System for renovation of Physic Lab at Army Public School Chandimandir Cantt (Haryana) Tender for **Modernization / Renovation of Physics Lab** is to be clearly written on top of the sealed envelope that contains the tender document. Sealed Tender is to be addressed to the Principal, Army Public School, Chandimandir.

2. The address and contact numbers for sending Bids or seeking clarification regarding this RFP are given below: -

(a) Bids/queries to be addressed to : The Principal,
Army Public School, Chandimandir

(b) Postal address for sending the Bids : The Principal,
Army Public School,
Sector-D, Chandimandir Cantt
District Panchkula, Haryana-134107

(c) Contact number for clarifications, if any, : _____
should be made by contacting the office. Interested / eligible firms desirous of undertaking site-inspection with regard to execution of the contract may visit the school on any working day between 0900 h to 1300 h up to three working days prior to bid closing date.

(d) e-mail ids of contact personnel : principalapschm@yahoo.co.in

3. You are to sign with date on both the tender and terms and conditions pages and duly stamp them along with signature, name and address on all pages of the bid document(s). You are not to make any alternation or addition to any of the documents connected with the tenders.

4. Your offer is to remain valid for a minimum period of 90 days from the date of Bid opening. Earnest money deposit (EMD) **₹ 50,000/- (₹ fifty thousand only)** shall be paid in favour of Army Public School, Chandimandir Cantt in the form of an Account Payee Demand Draft payable at Chandimandir / Chandigarh.

5. This RFP is divided into three Parts as follows: -

- (a) Part I - Contains General Information and Instructions of RFP.
- (b) Part II - Essential Technical Specification for renovation of Physics Lab
- (c) Part III - Financial Bid and Safety Clause.

6. This RFP is being issued with no financial commitment and the buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary at any stage.

7. The approval or rejection of tenders, rests with the School Management of Army Public School, Chandimandir Cantt who reserves the right of rejecting any tender in whole or in part without assigning any cause. The lowest tender will not necessarily be accepted.

8. Please return this letter duly signed along with the complete Tender documents.

I / We / am / are in possession of complete set of tender documents / forms issued by you and have understood and agree to abide by the above terms and conditions as well as those contained in the contract forms. The attached tender form, duly completed and signed is submitted herewith.

Station : _____

Date : _____

Signature of Tenderer(s) _____

(Name & Address in full and Capacity)

(i.e. Proprietor/Partner/Authorised

Attorney etc)

Contact No _____

(RUBBER STAMP)

PART I – GENERAL INFORMATION

Sealed Tenders are invited for **Renovation of Physics Lab** at Army Public School, Chandimandir Cantt, Panchkula (Haryana). Firms fulfilling the conditions and capable to undertake above supplies/project may submit bid form with the requisite documents such as Earnest Money Deposit, GST Registration Certificate etc. Tender is to be kept in sealed cover super scribing **“Renovation of Physics Lab”**

1. **Last date and time for depositing the Bids.** The last date for depositing of Tender will be on **13 Jun 2024 at 1100 hrs.** The sealed Tenders should be deposited / received by due date and time. The responsibility to ensure this lies with the Bidder.
2. **Manner of depositing the Bids.** Sealed Bids should be either dropped in the Tender Box at the school or sent by registered post at the address given above so as to reach by the due date and time.
3. **Time and date for opening of Bids.** Bids will be opened on **13 Jun 2024 at 1200 hrs** and analysed by a board of Officers suitably nominated. If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened at the same time or on any other day/time, as intimated by the Buyer.
4. **Validity of Bids.** The Bids should remain valid for a period of 90 days (03 months) of the date of opening of the commercial bid and also that the price finalized will remain valid for a period of 90 days (03 months) from the date of such finalization.
5. **Earnest Money Deposit.** Bidders are required to submit Earnest Money Deposit (EMD) for amount of **₹ 50,000/- (₹ Fifty thousand only)** alongwith their bids. Earnest money deposit shall be paid in favour of Army Public School, Chandimandir Cantt in the form of an Account Payee Demand Draft payable at Chandimandir / Chandigarh.
6. **Past Experience.** Past experience if any, in providing contract to major organizations including Army, Navy or Indian Air force is to be substantiated with a certificate issued by the organization.
7. **Scope of Work.** In exceptional cases and exigencies of service, the School Management has the right to amend the scope of work.
8. The School Management shall have the right to accept or reject tender bids without assigning any reason thereof, whatsoever.

Station : _____

Date : _____

Signature of Tenderer(s) _____

(Name & Address in full and Capacity)

(i.e. Proprietor/Partner/Authorised

Attorney etc.)

Contact No.

(RUBBER STAMP)

PART II – ESSENTIAL TECHNICAL DETAILS OF ITEMS/SERVICES REQUIRED

1. Requirements & Technical details – The technical specifications of “**RENOVATION OF PHYSICS LAB**” are as under: -

**SPECIFICATIONS FOR RENOVATION OF PHYSICS LAB
AT ARMY PUBLIC SCHOOL CHANDIMANDIR**

Ser No	Particulars	Qty	Unit	Compliance to RFP specification whether Yes / No
(a)	<p>Modular Island Workbench with shelf with 3 electrical raceways consisting of 16/6 Amp electrical switches and sockets with granite top. (MCB Socket Make: Havells/Anchor / North-West / Norysis) Table top: 18 +/- 1 mm thick well-polished Jet-Black Granite with half round nosing, acid-resistant, alkali-resistant Material of construction: Made of pipe frame structure cross section 40 Sq mm with CRCA material. Interior & Exterior Finish with 60-70 microns powder-coated finish. Table Dimension -3000*1500*900mm</p>	4	Set	
(b)	<p>Demonstration Table with 1 base cabinet, (1 drawer & 2 shutters 1 no). Table top: 18 +/- 1 mm thick well-polished Jet-Black Granite with half round nosing, acid-resistant, alkali-resistant Material of Construction for Work Bench: 18G thick CRC Sheet. Interior & Exterior will be provided with powder-coated finish. Under Bench Cupboards will be provided with Top Drawer and Bottom one Shutter with one Horizontal Partition. All necessary hardware fitting like Heavy Duty Drawer Channels for smooth rolling to be provided Table Dimension- 1500mm W*750 mm D*900 mm H Storage Dimension-600 mm W* 520 mm D</p>	1	Set	
(c)	<p>Glass Shutter Full Height cabinet: Made of epoxy powder coated 18-gauge sheet, Dimension-900 mm W x 485 mm D x 1950 mm H</p>	2	Set	
(d)	<p>Upgradation work for existing RCC Wall facing table Material of Construction for Upgradation work: Usage of 18-20G thick CRCA Sheet. Interior & Exterior will be provided with Epoxy powder-coated finish. (40-60 Microns) Under Bench Storage Cupboards will be provided with Two Shutter and one Horizontal Partition shelf. Storage Cabinet Size will vary from 600mm to 750 mm as per site condition. Removable Cover panels or filler panels will be provided wherever necessary for closing of Sink Area or Pillar area. Removable panels size will vary from 600mm to 750 mm as per site condition. All necessary hardware fitting like Heavy Duty Drawer Channels for smooth rolling to be provided (Hardware Make: Ebco / Hettich / Godrej)</p>	1	Set	

Ser No	Particulars	Qty	Unit	Compliance to RFP specification whether Yes / No
(e)	<p>Storage area Upgradation work for existing RCC Wall Facingtable</p> <p>Material of Construction for Upgradation work: Usage of18-20G thick CRCA Sheet. Interior & Exterior will be provided with Epoxy powder-coated finish. (40-60Microns)</p> <p>Under Bench Storage Cupboards will be provided with TwoShutter and one Horizontal Partition shelf. Storage Cabinet Size will vary from 600mm to 750 mm as persite condition</p> <p>Removable Cover panels or filler panels will be provided wherever necessary for closing of Sink Area or Pillar area. Removable panels size will vary from 600mm to 750 mm as persite condition</p> <p>All necessary hardware fitting like Heavy Duty DrawerChannels for smooth rolling to be provided (Hardware Make: Ebco / Hettich / Godrej)</p>	1	SET	

Digital Infrastructure

Ser No	Particulars	Qty	Unit	Compliance to RFP specification whether Yes / No
1	<p>Digital Infrastructure LG/SAMSUNG/SONY/PANASONIC: - Flat Panel IFP 85 Inch, educational software and Lecture recording facility with closer shutter and window 11 Genuine or better i5 OPS/8GB/256GB SSD Including wall mount bracket and installation</p>	1	Unit	
2	White Board (4ft x 6ft)	1	Unit	

Note: Pictures of items and Detailed Specification of IFP 85” are available at the end of tender form.

2. **Conditions under which this RFP is issued.** This RFP is being issued with no financial commitment and School reserves the right to change or vary any part thereof at any stage. The school reserves the right to reject any or all of the offers without assigning any reason whatsoever. The school also reserves the right to withdraw the RFP should it be so necessary at any stage.

3. **Requirement of pre-site/equipment inspection: -** The inspection will be carried out by a Board of Officers on behalf of the buyer. The mode of inspection will be joint inspection.

Station : _____

Date : _____

Signature of Tenderer(s) _____

(Name & Address in full and Capacity)

(i.e. Proprietor/Partner/Authorised Attorney etc.)

Contact No. _____

(RUBBER STAMP)

Quality of Stores. The quality of the stores delivered according to the present Contract shall correspond to the technical conditions and standards valid for the deliveries of the same stores in Seller's country or specifications enumerated. The following quality requirements to be met and dimensions of work station to be as per **Part II of the Bid (Essential Technical Details)**.

- (a) The workbenches to be of thick CRCA sheet.
- (b) Work benches to be water/ moisture, acid & alkali resistant.
- (c) Furniture & glass cabinets to be covered by a warranty of min 10 years.
- (d) Material used will be new & not recycled/ reused.
- (e) Material used should be termite proof.

4. Bidders are required to furnish clause by clause compliance of specifications bringing out clearly the deviations from specification, if any. The Bidders are advised to submit the compliance statement in the following format: –

TECHNICAL EVALUATION PROFORMA

Ser No	Description	Clauses as per RFP	Compliance with TE Specification whether Yes or No (Number to be Mentioned Where Applicable)	In case of Non-Compliance Deviation from TE Specification to be indicated in Unambiguous Terms
	1	2	3	4
1	Firms Name	Owner & Contractor Name		
2	Firms Details	Firm's Address and Telephone No.		
3	PAN Details	Copy of PAN		
4	TIN/CST Details	Copy of TIN/CST/APGST No.		
5	Bank Details	Bank Name, address, A/c No with IFSC Code		
6	Past Experience	Bidder should have executed such projects. Supporting proof to be submitted.		
7	EMD Amount	EMD as mentioned in RFP is to be deposited along with the bid.		
8	Balance sheet and Profit and Loss statement	The balance sheet / Profit & Loss statement of one financial year duly certified by auditors / CA is to be attached.		

5. **Warranty.** One-year warranty for the work and a warranty certificate should also be provided. Failure to provide warranty services during the warranty period, the costs for making good of the equipment shall be recovered from the performance security.

Station : _____

Date : _____

Signature of Tenderer(s) _____
 (Name & Address in full and Capacity)
 (i.e. Proprietor/Partner/Authorised
 Attorney etc.)

PART-III: FINANCIAL BID FORMAT

The Financial Bid Format is given below and Bidders are required to fill this up correctly with full details:

(QUOTE OF UNIT RATE - FOR RENOVATION OF PHYSICS LAB INCLUDES GST / TAXES, TRANSPORTATION, INSTALLATION OTHER ALLIED CHARGES ETC IN ALL RESPECTS)
(APPROXIMATE QUANTITY REQUIRED AS PER RFP)

Sr No	Particulars	Qty	Unit	Brand	Rate including GST	Total Amount
(a)	Modular Island Workbench with shelf with three electrical raceways consisting of 16/6 Amp electrical switches and sockets with granite top. (MCB Socket Make: Havells/Anchor / North-West / Norysis) Table top:18 +/- 1 mm thick well-polished Jet-Black Granite with half round nosing, acid-resistant, alkali-resistant Material of construction: Made of pipe frame structure cross section 40 Sq mm with CRCA material. Interior & Exterior Finish with 60-70 microns powder - coated finish. Table Dimension -3000*1500*900mm	4	Set			
(b)	Demonstration Table with 1 base cabinet, (1 drawer & 2 shutters 1 no). Table top:18 +/- 1 mm thick well-polished Jet-Black Granite with half round nosing, acid-resistant, alkali-resistant Material of Construction for Work Bench: 18G thick CRC Sheet. Interior & Exterior will be provided with powder-coated finish. Under Bench Cupboards will be provided with Top Drawer and Bottom one Shutter with one Horizontal Partition. All necessary hardware fitting like Heavy Duty Drawer Channels for smooth rolling to be provided Table Dimension-1500mm W*750 mm D*900 mm H Storage Dimension-600 mm W* 520 mm D	1	Set			
(c)	Glass Shutter Full Height cabinet: Made of epoxy powder coated 18-gauge sheet, Dimension-900 mm W x 485 mm D x 1950 mm H	2	Set			
(d)	Upgradation work for existing RCC Wall facing table Material of Construction for Upgradation work: Usage of 18-20G thick CRCA Sheet. Interior & Exterior will be provided with Epoxy powder-coated finish. (40-60 Microns) Under Bench Storage Cupboards will be provided with Two Shutter and one Horizontal Partition shelf. Storage Cabinet Size will vary from 600mm to 750 mm as per site condition. Removable Cover panels or filler panels will be provided wherever necessary for closing of Sink Area or Pillar area. Removable panels size will vary from 600mm to 750 mm as per site condition. All necessary hardware fitting like Heavy Duty Drawer Channels for smooth rolling to be provided (Hardware Make: Ebco / Hettich / Godrej)	1	Set			

(e)	<p>Storage area Upgradation work for existing RCC Wall Facingtable</p> <p>Material of Construction for Upgradation work: Usage of 18-20G thick CRCA Sheet. Interior & Exterior will be provided with Epoxy powder-coated finish. (40-60Microns)</p> <p>Under Bench Storage Cupboards will be provided with TwoShutter and one Horizontal Partition shelf. Storage Cabinet Size will vary from 600mm to 750 mm as persite condition</p> <p>Removable Cover panels or filler panels will be provided wherever necessary for closing of Sink Area or Pillar area. Removable panels size will vary from 600mm to 750 mm as persite condition</p> <p>All necessary hardware fitting like Heavy Duty DrawerChannels for smooth rolling to be provided (Hardware Make: Ebco / Hettich / Godrej)</p>	1	SET			
(f)	<p>Digital Infrastructure LG/SAMSUNG/SONY/PANASONIC: - Flat Panel IFP 85 Inch, educational software and Lecture recording facility with closer shutter and window 11 Genuine or better i5 OPS/8GB/256GB SSD Including wall mount bracket and installation</p>	1	Unit			
(g)	White Board (4ft x 6ft)	1	Unit			

Note: - Pictures of items and detailed specification of IFP 85'' are available at the end of tender form

Price Includes:

- (a) All materials & CIF charges
- (b) Installation Charges
- (c) Import Duty and Custom Clearance if any
- (d) Fares and accommodation of technicians who will work for renovation

Price excludes:

- (a) Balance material left over
- (b) Any other additional work
- (c) Water & Electricity at site
- (d) Taxes Included (Mentioned separately).

Warranty Period: (If any) -

- (a) **Payment Terms:** No advance payment will be made. Payment will be made by NEFT after checking the quality of work/ material used and entire satisfaction.
- (b) Conditional rates will neither be acceptable nor applicable.

Other Condition: -

1. In case of any defect, you will be responsible to rectify the same or replace the item forthwith within one year from the date of payment of bill. 10% security will be deducted from final amount for guarantee/warranty of items which will be returned after one year without interest.
- or

You are required to furnish 10% of the order value in the form of Bank Guarantee obtained from Nationalised /Scheduled Bank towards Performance Security. The Bank Guarantee shall remain valid for a period of one year beyond the date of completion of all the obligations of supply, installation and commissioning of the complete project, including warranty.

2. Failure to provide warranty services during the warranty period, the costs for making good of the equipment shall be recovered from the security.

Station : _____

Date : _____

Signature of Tenderer(s) _____

(Name & Address in full and Capacity)

(i.e. Proprietor/Partner/Authorised

Attorney etc.)

Contact No.

(RUBBER STAMP)

“SAFETY CLAUSE”

1. The School authorities shall not be responsible for any injury /casualty or loss of life that may take place during the course of contracted work/service and any compensation or expenditure towards treatment for such injury/casualty shall be the sole responsibility of the CONTRACTOR.

2. The Contractor/Vendor is to ensure adequate safeguards for personnel when employed on work where risk to human health/injury is involved. The contractor / vendor is to comply with the following conditions regarding Labour Welfare and Safety: -
 - (a) The contractor is to ensure that the workers are adequately equipped with safety gear/equipment that is necessitated by the nature of the work involved.
 - (b) Contractor is to be fully conversant with the procedure for timely administration of First Aid in case of accidents. He is also to be aware of hospitals/medical units close the work site, and take immediate action in case of any accident.
 - (c) School authorities are to be informed by the contractor immediately in the eventuality of any accident taking place.
 - (d) Compensation to the family on account of injury of any labourer employed by the contractor/vendor will be the sole liability of the contractor / vendor.
 - (e) The contractor shall ensure that the labour employed by the contractor abides by all security regulations imposed by the school and does not in any manner compromise security of School property/area.
 - (f) The contractor will render proof of police verification of character and antecedents of his employees proposed to be employed inside School premises.

Station : _____

Date : _____

Signature of Tenderer(s) _____
(Name & Address in full and Capacity)
(i.e. Proprietor/Partner/Authorised
Attorney etc.)
Telephone No.

CHECKLIST OF TENDER DOCUMENTS

The following tender documents should be attached with Tender duly signed by the bidder, failing which tender bid may be treated as rejected: -

- (a) Demand Draft for EMD for amount of **₹ 50,000/- (₹ Fifty thousand only)** in favour of Army Public School, Chandimandir Cantt in the form of an Account Payee Demand Draft payable at Chandimandir / Chandigarh **OR** latest exemption for EMD as per Govt Rules.
- (b) Tender form includes Part I, II & III to be signed by the bidder wherever required with stamp and date. **Part III comprising of Financial Bid should be sealed separately.**
- (c) PAN Card photocopy duly self-attested.
- (d) A passport photograph of the signatory of the Tenderer duly self-attested.
- (e) One Cancelled Original Bill to be submitted along with the tender Form.
- (f) TIN Number/VAT/CST/GST (copy to be attached)
- (g) Bank Details for RTGS/NEFT: Cancelled Bank Cheque (OR) Mandate Form issued by Bank with Bank A/c No. & Name of the A/c holder, IFSC Code No, Bank Name & Branch address, MICR Code etc.
- (h) Original Equipment Manufacturing (OEM) Certificate if any of the firm to be produced by the bidder along with tender forms.
- (i) Sales Tax Assessment last two years.
- (j) Service Tax Registration Details, if applicable
- (k) Each page of the tender shall be signed and stamped by the vendor/contractor. Any page not signed can be rejected.

Station : _____

Date : _____

Signature of Tenderer(s) _____

(Name & Address in full and Capacity)

(i.e. Proprietor/Partner/Authorised
Attorney etc.)

Telephone No.

(RUBBER STAMP)

MODERNIZATION OF PHYSICS LAB



(b) Demonstration Table

(a) Table Top-Jet Black Granite



(d) Under slab Storage Cupboards

MODERNIZATION OF PHYSICS LAB



(c) Glass Shutter Full Height Cabinet

MODERNIZATION OF PHYSICS LAB

Specifications-SAMSUNG/LG/SONY/PANASONIC

Panel	Diagonal Size		85"
	Type		New Edge, 60Hz
	Resolution		3,840 x 2,160 (Landscape)
	Brightness(Typ.)		350cd/m2 (without glass)
	Display Color		16.7M
	Viewing Angle(H/V)		178:178
	Response Time(G-to-G)		6ms(Typ.)
Sound	Speaker Type		Built in Speaker (10W x 2CH)
Connectivity	Input	RGB	N/A
		Video	HDMI 2(Rear1, Front 1), DP1, OPS I/F
		Audio	N/A
		USB	2(For SoC, Rear/Front), 2 (forexternal 2.0 x1/3.0x1(Front))
	Output	RGB	N/A
		Video	HDMI1 (Screen Share in Front)
		Audio	1(Stereo Mini Jack)
		Touch Out	Touch Out 2 (USB Upstream Type, Front1, Rear1)
	Internal	Sensor	N/A
	External	Control	Touch Input RS232C thru stereo jack, RJ45(For MDC)
BT/WiFi		Yes (Keyboard/Mouse)	
Touch	Type		IR
	# of Drawing		4 drawing (Internal) 20 touch (External)
	Touch Pen Type		Passive Pen with magnet
	Object Recognition Range		2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)
	Haze		8%~12%
	Thickness		3.2T
	Hardness		Heat Semi-Strengthened Glass
	Additional Film		AG, Hydrophobic Coated PET
Power	Type		Internal (Main 1ea, OPS1ea)
	Power Supply		AC100~240V 50/60Hz
	Power Consumption	Max[W/h]	418(OPS19V/3.7A)
		Typical[W/h]	205
		Rating[W/h]	380(OPS19V/3.7A)
		Stand-by[W/h]	0.5
		BTU[W/h]	1,425.38 (OPS19V/3.7A)
		1942.8x1144.1 x 69.4 mm	
		2136 x1311 x 260 mm	
Mechanical Spec	Color		Charcoal Black
	VESA Mount		600 x 400
	Protection Glass		Yes
	Stand Type		Wall Mount
	Media Player Option Type		OPS mount support
	Rotation		Landscape only
	Power Cable Length		3M/2.4M(US)
	Accessory		PowerCord, USB Upstream Cable(2ea), Pen(2ea, Black), Warranty/QSG
Operation	Operating Temperature		0°C~ 40°C
	Humidity		10 ~ 80%, non-condensing
Special	Key		Flip App
	Orientation		Landscape
	Special	H/W	Touch Overlay (IR), Front Connectivity, OPS I/F Support(w/OPS mount) Built in Speaker(10W x 2), WiFi/BT Module Embedded
		S/W	Flip S/W
		Platform	Muse-M (Tizen 6.0)
	Special	Processor	CA72 Quad(1.7GHz) 2MB L2
		On-Chip CacheMemory	L2 : 2MB
		Clock Speed	1.7GHz CPU Quad

Feature	Internal Player (Embedded H/W)	Main Memory Interface	LPDDR4 1.6GHz 64bit 3.0GB
		Graphics	GPU: MaliG51 MP4@760MHz
		Storage	16GB
		IO Ports	USB 2.0
		Operating System	Tizen 6.0: Proprietary OS(VDLinux)
Certification	Security Included		802.1x(WPA2Enterprise): EAP-TLS, EAP-TTLS, EAP-PEAP
Accessories	Optional	Wall Mount	WMN8200SF
		OPS Mount	CY-PBRK200
			OPS i5 11/12 gen with original win 11 pro with 03 years onsite. CBSE curriculum educational software

MODERNIZATION OF PHYSICS LAB



Interactive Flat panel 85'' with shutter (after closing shutter to be use as white board)