



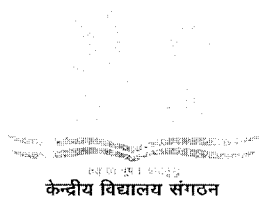
केन्द्रीय विद्यालय संगठन / **Kendriya Vidyalaya Sangathan**  
18 , संस्थागत क्षेत्र / **18 Institutional Area,**  
शहीद जीत सिंह मार्ग / **Shaheed Jeet Singh Marg**  
नई दिल्ली -110016/**New Delhi - 110016**  
दूरभाष / **Tel: 26855488, Fax No. 26514179**  
**Website : [www.kvsangathan.nic.in](http://www.kvsangathan.nic.in)**

## निविदा सूचना

केन्द्रीय विद्यालय संगठन इसके विभिन्न विद्यालयों में विज्ञान प्रयोगशालाओं के आधुनिकीकरण के लिए निविदाएं आमंत्रित करता है। निविदा प्रस्ताव KVS(HQ)/EDP(LAB)/2015 केन्द्रीय विद्यालय संगठन की वेबसाइट [www.kvsangathan.nic.in](http://www.kvsangathan.nic.in) पर उपलब्ध है।

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केन्द्रीय विद्यालय संगठन / Kendriya Vidyalaya Sangathan  
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Website : [www.kvsangathan.nic.in](http://www.kvsangathan.nic.in)

## **Tender Notice**

Kendriya Vidyalaya Sangathan invites the bids for Modernization of Existing Science Labs in its various Kendriya Vidyalayas. Tender Document KVS (HQ)/EDP (LAB)/2015 is available at KVS (HQ) website [www.kvsangathan.nic.in](http://www.kvsangathan.nic.in) in Tenders.

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Tender No.- KVS (HQ)/ EDP(LAB)/2015

Tender for Modernization of Existing Science Labs in Kendriya Vidyalayas.

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**1.1 SCHEDULE OF TENDER PROCESS & ITS AMENDMENT**

- a) The Tender will have 3 (Three) Parts viz., Prequalification Bid, Technical Bid & Commercial Bid for the following:  
**Schedule (a) – Turnkey Job for supply of Equipments, Installations and Demonstration to 200 Nos of Schools (Annexure -10) at site.**
- b) Issue of Tender document- From **30-12-2015 to 22-01-2016, 12:00 Noon** (Copy of tender document will be available in the website <http://www.kvsangathan.nic.in>).
- c) Cost of the tender document (Non-refundable): Rs. 5,000/- (Five Thousand only) in Indian Rupees Only.
- d) The original tender document along with amendments (if any) can be obtained before **22-01-2016, 12:00 Noon** from Kendriya Vidyalaya Sangathan, 18, Institutional Area, Shaheed Jeet Singh Marg, New Delhi -110016 after submission of Tender Document Fee of Rs. 5,000/- (Five Thousand only) in form of a Demand Draft, drawn on a scheduled bank, in favor of the Commissioner of Kendriya Vidyalaya Sangathan, New Delhi. Receipt shall be issued against the tender cost and the receipt is to be submitted with Prequalification bid. No tender document shall be issued after the due date.
- e) Pre Bid queries are to be sent at [acedpkvs@gmail.com](mailto:acedpkvs@gmail.com) latest by **12-01-2016**. **Pre Bid queries will be responded by 15-01-2016.**
- f) Receipt of Bids-on or before **22-01-2016 up to 15.00 hrs.** at Kendriya Vidyalaya Sangathan, 18, Institutional Area, Shaheed Jeet Singh Marg, New Delhi -110016. Bid received later than above schedule will not be entertained.
- g) Prequalification Bid, Technical Bid and Commercial Bid should be submitted in separate envelopes clearly indicating the Name of Bid and all packed together in a outer envelope mentioning "Tender for Turnkey Job for Supply of Equipments, Installations and Demonstration to **200 Nos** of Schools (Annexure-10) at site.
- g) Opening of Prequalification Bids & Eligibility Claims and BID SECURITY on **27-01-2016 at 15.00hrs** in the office of **DC(EDP)** of Kendriya Vidyalaya Sangathan, New Delhi in the presence of bidders who may want to attend.
- h) Opening of Technical Bids-on **03-02-2016 at 15.00hrs**. Technical Bid will be opened only for qualified bidders as per pre qualification.
- l) Opening of Commercial Bids- will be opened only for bidders who qualify Technical Bid.

Notwithstanding anything else contained to the contrary in this tender document, Kendriya Vidyalaya Sangathan, New Delhi reserves the right to cancel / withdraw / modify fully or partially the "Invitation of Bid" or to reject one or more of the bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.

**1.2 AMENDMENT OF INVITATION**

At any time prior to the deadline for submission of bids, The Commissioner of Kendriya Vidyalaya Sangathan, New Delhi reserves the right to add / modify / delete any portion of the document by issuance of an addendum, which would be published on the website and will also be made available to the all the bidders who have indicated their intention to bid. The addendum shall be binding on all bidders.



CHAPTER- 2

PRE-QUALIFICATION CRITERIA

Technical Bid will be opened only for those who will qualify the following pre-qualification norms:-

- a.1 Receipt of tender cost Rs. 5000/- issued by KVS .
- a.2 The Bidder should have furnished the BID SECURITY or Rs. 40 Lakh in form of Demand Draft only.
- a.3 The applicant must be either a firm registered under the Indian Partnership Act or a company registered under the Indian Companies Act. 1956. (Doc Proof). In case of foreign supplier, the supplier should submit Registration Certificate issued by the competent authority in their Country. Indian supplier will get preference than foreign supplier.
- a.4 The Company should be in existence for the last 5 (five) Years.
- a.5 The Company should either be a Manufacturer or Authorized Distributor. Manufacturer will submit manufacturing license. Manufacturer will get preference over authorized distributors.
- a.6 The applicant should have an annual turnover of at least Rs. 20 Crore in any one of the three previous Financial Years and must submit certified copy of the audited balance sheet, as a proof of annual turnover stated.
- a.7 Applicants should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by Govt. of India / State Govts. A self -declaration certificate should be enclosed as per Annexure -2
- a.8 Printed Catalogue of all equipments with Pictures having details about experiments to be performed (wherever applicable) should be furnished as per technical specifications (Annexure-6).



3.1 SCOPE OF WORK

- a. The scope of work will include Supply, Installation and Demonstration as per technical specifications (Annexure-6) 200 No of Schools (Annexure-10) at site.
- b. Warranty and Guarantee: The Equipment supplied shall be covered for 2 years Warranty from date of delivery. Glassware and Biology models shall be exempted from Warranty Clause.
- c. Installation / Demonstration: Supplier will conduct working demonstration of all equipment at all delivery sites (Annexure-10) and obtains a certificate for satisfactory performance report.
- d. Instruction Manual: Supplier will provide instruction manual of all equipment mentioning List of Experiments (wherever applicable) and procedure to perform as per technical specifications (Annexure- 6).
- e. Video Manual: Suppliers will provide Video Manual of all equipment explaining concepts being taught by particular equipment as required in technical specifications (Annexure-6).
- f. Safety: Safety standards for Mains Operated Equipment should be ensured. Supplier should perform High Voltage Test (At 1.5KV), Earth Test (at 25Amp) and Insulation Test (at 1000 Volts) before supplying the equipment. A declaration regarding safety has to be furnished as per Annexure -8.
- g. Pre-Dispatch Inspection: KVS will conduct pre-dispatch inspection to ascertain quality, quantity and performance of all equipment and a site wise pre-dispatch inspection report shall be prepared. The Bidder will dispatch the material after the clearance of pre-dispatch inspection only.
- h. Packaging: The Supplier should ensure proper packaging of all the equipment and breakage, if any will be to the supplier's account.



**GENERAL INSTRUCTIONS OF THE BIDDERS**

All the bidders must carefully observe the following instructions. Offers / Tenders not strictly in accordance with these instructions are liable to be rejected:-

- 4.1 Tender should be submitted through registered Post / Speed Post / Country / By Hand (Through Authorized Representative) in separate sealed covers both for technical Bid & Financial Bid, each cover should be super scribed with the words, Technical / Financial Bid & Tender No. The Bid security in the form of Demand Draft shall be submitted in a separate sealed envelope and super scribed "BID SECURITY". All these documents i.e. Technical and Financial Bid & BID SECURITY in separate sealed cover should be sent in one envelope at address "DC (EDP) KVS (HQ), KENDRIYA VIDYALAYA SANGATHAN, 18, INSTITUTIONAL AREA, SHAHEED JEET SINGH MARG, NEW DELHI -110016". Tender received not in proper sealed cover or received telegraphically shall be rejected.
- 4.2 Offers / Tenders shall positively reach before the stipulated time and date prescribed for their receipt. Those received late will not be considered / opened at all regardless of the date of posting of the tender. The Kendriya Vidyalaya Sangathan Board shall take no cognizance of postal delay(s).
- 4.3 Tender should be typed or written in ink, offers/ tenders written in pencil shall be rejected.
- 4.4 The prices quoted should be inclusive of all Taxes/ VAT/ Duties/ Cess/ Customs/ Octroi/ Loading/ Installation/ Bank Charges/ Service Tax etc. are applicable. FOR delivery at site destination (Annexure 10). C Form will not be issued.
- 4.5 The rates should be quoted in Indian Rupees Only in figure as well as in Words.
- 4.6 Bank charges, if any, will be to the account of the bidder.
- 4.7 The Bidders should indicate specifically the Delivery Schedule. The bids of the suppliers not conforming to KVS's prescribed delivery schedule shall be loaded in line with the penalty clause i.e 1/2% of the total cost per week of delivery period quoted in excess of that prescribed subject to a maximum of 10%.
- 4.8 The period of the validity of offers should not be less than 60 days from the date of opening of tender.
- 4.9 The KVS reserves the right to accept or reject any or all tenders without assigning any reason whatsoever.
- 4.10 Amendment in bid document or price and any other conditions, after the opening of the tenders shall not be entertained.
- 4.11 Offers/ Tenders will be opened on the date and time prescribed by KVS in the presence of authorized representatives of bidders, who actually submitted the tender, if they present themselves at the time of opening of tenders. In case the date of opening of tenders falls on a holiday or holiday is subsequently declared on that date the tender will be opened on the next working day following the holiday.
- 4.12 The tenders once submitted shall not be returned to the bidder and shall be retained by KVS.
- 4.13 The Bidder may modify or withdraw his tender by giving notice in writing before the deadline for submission of tender. The modification or withdrawal words shall be marked on the envelope. The withdrawn tender document shall not be returned.
- 4.14. The bidder should submit a list of orders of the offered work executed/under execution with complete details as per Annexure-I.
- 4.15. The bidder should carefully read and study every clause of this specification and offer his comments on each clause of this specification in his tender. Silence of the bidder on any clause of this specification shall be taken,



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as acceptability of the said clause to the bidder and accordingly the said clause will be provided in the purchase order.

- 4.16. The Bidder shall quote prices only as per the Technical Specifications (Annexure-6). Deviations, if any, should be clearly stated.
- 4.17. The KVS may call for some selective samples during Technical evaluation.
- 4.18. The KVS may inspect the unfinished / incomplete goods in the production process before completion of the ordered goods. Moreover, the KVS can also inspect the equipment / in house testing facility used for ensuring Safety standards for Mains Operated Equipment covering parameters - High Voltage Test (At 1.5KV), Earth Test (at 25Amp) and Insulation Test (at 1000 Volts).
- 4.19. Quantity to be supplied to the schools shall be as specified in the Financial Bid Format.





**SPECIAL CONDITION OF CONTRACT**

**5.1 DOCUMENTS TO BE FURNISHED WITH PRE-QUALIFICATIONS BID**

- a. As per pre-qualification criteria of pre-qualification bid along with all supporting document
- b. Self-Declaration of ineligibility for corrupt and fraudulent practices (Annexure-2)
- c. Representative authorization letter (Annexure-3)
- d. Copy of Income Tax Clearance, Service Tax Clearance and VAT Clearance (as Applicable). In the case of foreign company, company's Registration with competent authority in their respective country.
- e. Brief profile of the company (Annexure-5).

**5.2 DOCUMENTS TO BE FURNISHED WITH TECHNICAL BID**

This part of the bid must comprise of the following documents

- a. Details of the job undertaken as per scope of work. (Annexure-1)
- b. Acceptance of terms & conditions contained in the tender documents (Annexure-4)
- c. Bid Particulars (Annexure-6)
- d. Bid Letter (Annexure-7)
- e. Soft Copy of the presentation on CD/DVD/Pen Drive (2 set each)
- f. Detailed Instruction manual incorporating List of Experiments and operating procedure for these Experiments (wherever asked in Annexure -6).
- g. Video Manual explaining concepts being taught (where ever asked in Annexure -6).
- h. ISO Certificate
- i. Declaration regarding Electrical Safety Standards (Annexure -8).

**5.3 COMMERCIAL BID**

The Commercial Bid shall be given in prescribed format (Annexure -9). Commercial Bid will be opened only when the bidder qualifies technical bids by getting 80% or above out of maximum marks.



**5.4 Other Condition**

- i. Loading, if any, on the bids of the Bidders who have not agreed to the following KVSs terms & conditions.
  - a) Bidders offering delivery periods longer than the specified delivery period shall be loaded @1/2 % per week or part thereof for their excess period subject to a maximum of 10%.
  - b) The KVS may adopt any additional evaluation criteria which is considered fair & equitable, so as to bring price bid on an equal footing for proper comparison with other bids
- ii. The supplier has to sign integrity pact with KVS.

**5.5 BID SECURITY AND PERFORMANCE BANK GUARANTEE:**

- (i) A Bid security of Rs. 40 Lakhs in the form of DD should be submitted along with the tender in the favor of KVS, Hqrs. New Delhi. Bid security deposit DD shall necessarily accompany the sealed tender, without which the tender shall be rejected forthwith and the tenders shall be sealed.
- (ii) Bid security deposit furnished with the tender in the form of a cheque / Bank Guarantee or in any other form not specifically approved by the KVS, shall not be accepted under any circumstances, nor shall a request from the Bidder for the transfer of Bid security, security deposit furnished against any previous tender to the tender under consideration, be entertained.
- (iii) As soon as, the tender has been decided upon and the purchase order placed on the selected supplier or suppliers, the Bid security deposit of the unsuccessful Bidders shall be released to them forthwith by the purchasing department through the Accounts Officer concerned, without waiting for any formal application in this regard from the unsuccessful Bidders. The purchasing department shall ensure that the refund of earnest money deposit so allowed is made within 30 days of the decision on the purchase case by the purchase approving authority.
- (iv) The Bid security of successful Bidder may be released on submission of Performance Bank Guarantee of the 5% of total value of tender as security deposit valid for Warranty period after the completion of supply.
- (v) Transfer of security deposit from one purchase order/contract to another will not be permitted.
- (vi) The Bid security/security deposit taken from the firms under this para shall be forfeited in part or in full under the following circumstances
  - a. If the Bidder withdraws his tender at any stage during the currency of his validity period, his Bid security shall stand forfeited in full.
  - b. If the P.O. has been issued but the supplier refuses to comply with it, the Bid security deposited by him, shall be forfeited in full, irrespective of the fact whether the KVS sustains any loss on account of his default or not. This forfeiture shall be without prejudice to the right of the KVS to claim any other damages as admissible under the law as well as to take such executive action against the supplier as blacklisting, etc.
  - c. Where the purchase order has been accepted but the supplier stops making the supplies after partially complying the purchase order, the security deposit shall be retained and adjusted against any loss that may be caused to the KVS through risk purchase from alternative source and/or any other damage recoverable from the supplier under the terms of the contract.
  - d. In the event of a breach of contract in any manner, the security deposit shall be forfeited and adjusted against the claim of the KVS on the supplier for any damages or for any loss sustained by the KVS on account of such breach.



## 5.6 TERMS AND CONDITIONS OF COMMERCIAL BID

### a. DELIVERY AND COMMISSIONING PERIOD

The bidder shall have to complete the Supply within 24 weeks from the date of issue of the Work Order. Installation and demonstration shall have to be completed within 4 months from last date of supply.

In case the supplier is unable to complete whole or any items of work within stipulated period, for recognized reasons of "Force Majeure" mentioned in clause-b below for which he shall be responsible to furnish, well in time, sufficient evidence and data to the satisfaction of the KVS to prove the existence of conditions mentioned in the clause-b so as to justify grant of extension by the KVS of the 'Delivery, Installation & Commissioning Period' mentioned above. Such extension will be granted by the KVS for the period for which the completion of work is proved by the supplier to have been delayed for the said reasons due to 'Force Majeure'. If the material is installed or commissioned by the supplier after the expiry of the said period without any approval from the KVS, such a supply will be at the sole liability and risk of the supplier.

### b. FORCE MAJEURE:

The Supplier shall not be liable for any Penalty charges due to delay in manufacture or delivery of material/ work/service resulting from any causes beyond the company's reasonable control including but not limited to compliance with regulations, orders or instructions of Center/State or Municipal Govt. or Agency thereto, Acts of God, Acts of Civil and Military authorities, fires, floods, strikes Lockouts, freight embargoes, war risks, riots and civil commotion's and the supplier will seek extension of delivery period within three weeks of the occurrence of any such event and clearly state the anticipated delay in supply on account of such events. On receipt of such a request from the Supplier, the delivery period be extended up to the time requested for by the Supplier, subject to the further condition that if the delivery period is likely to be extended by more than sixty days on account of any event the KVS will be at liberty to cancel the un-executed portion of the Purchase Order without assigning any reason and without payment of any compensation.

### c. EXTENSION OF DELIVERY PERIOD

Any genuine delay in approval of technical details, preparation of site, issuance of amendment of purchase order, conducting inspection, annual exam, summer vacations during installation and demonstration and approval of inspection tests/ test certificate for allowing dispatches etc. will count towards extension of delivery period by corresponding \_ period other than, admissible under. Force Majeure Conditions, if any, substantiated by the supplier and duly accepted by the purchasing authority.

### d. PENALTY CHARGES

If the supplier fails to abide by the provisions of Delivery and commissioning period, he shall be liable to pay Penalty Charges @ 1/2% per week or part thereof of the ex-works delivery price excluding taxes and duties (but including freight charges where break-up of FOR destination price is not available) of such portion of material as has not been delivered, installed or commissioned within the delivery and commissioning period subject to maximum of 10% of the contract value of the delayed/undelivered portion of the material. The penalty shall not be applicable to the submission of the permissions /clearances provided the permissions/clearances have been



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applied within 8 weeks from the date of receipt of order.

**f. TDS, WORKS CONTRACT TAX, OTHER TAXES etc.**

The TDS, works contract tax, other taxes etc, if any, shall be deducted as per rules.

**g. NEGLIGENCE:**

If the firm neglects to execute the work with due diligence and expedition or refuses or neglects to comply with any reasonable order given in writing by the KVS in connection with Purchase Order or shall contravene the provisions of the Purchase Order, the KVS may give 21 days' notice, in writing, to the firm to make good the failure, neglect or contravention complained of and should the firm fail to comply with the notice within reasonable time from the date of service thereof, in case of failure, neglect or contravention capable of being made good, within that time or otherwise within such time as may be reasonably necessary for making it good, then and in such cases, the KVS shall be at liberty to take the Contract wholly or partly out of the hands of the supplier and reconstruct at reasonable price with any other person or persons. In such an event it shall be lawful for the KVS to retain any such balance which may otherwise be due by him to the firm on any account including the amount of Bank Guarantee and apply the same towards the execution of the whole or balance of the works so re-contracted, as aforesaid. If no such balance is due by the KVS to the firm or if due, is not sufficient to cover the amount thus recoverable from the firm, it shall be lawful for the KVS to recover the whole or balance of the amount from the firm by action of law.

**h. BANKRUPTCY:**

If the supplier shall commit any act of bankruptcy or being a Corporation, commence to be wound up except for reconstruction purposes, or carry on its business under a Receiver, the executors, successor or other representative in law of the estate of the supplier or any such Receiver, liquidator, or any person in whom the contract may become vested, shall forthwith give notice thereof in writing to the KVS and shall for one month during which the supplier shall take all reasonable steps to prevent stoppage of the work, have the option of carrying out the contract subject to the supplier providing such Guarantee as may be required by the KVS but not exceeding the value of the work for the time being remaining unexecuted. In the event of stoppage of the work the period of the option under this clause shall be fourteen days only. Provided that should the above option not be exercised, the contract may be terminated by the KVS by notice in writing to the supplier and the same power and provision reserved to the KVS in the last proceeding clause of taking the work out of the supplier's hands shall immediately become operative.

**i. ARBITRATION**

If at any time, any question, dispute or difference whatsoever, shall arise, between the KVS and the Supplier, upon or in relation to or in connection with the contract, the provisions of Indian Arbitration and Conciliation Act-1996 and of the Rules there-under and any Statutory Amendment/ Modification or re-enactment thereof for the time being in-force, shall be deemed to apply to and be incorporated in the contract.

**j. CANCELLATION OF WORK ORDER:**



## **Tender No.- KVS (HQ)/ EDP(LAB)/2015**

The KVS shall have the right to amend or cancel the order at any time before the receipt of intimation regarding manufacturing of material if he is satisfied that the delay in execution of the order by the supplier is willful and detrimental to the interests of the KVS. In case where after the commencement of manufacture, there is a willful delay on the pan of the supplier in the dispatch/ manufacture of the material, the KVS may cancel the order for whole/unexecuted portion after giving a notice of 15 days to the supplier.

### **k. JURISDICTION OF COURT:**

In case of any dispute between the parties, the Courts at Delhi only shall have the jurisdiction to settle/ decide and adjudicate upon such matters. Before approaching the court of law, and dispute or difference arising in connection with the contract shall be referred by either party for arbitration in accordance with Clause- 16 above.

### **I. SIGNING OF WORK ORDER**

The supplier will be furnished with two copies of the purchase order one copy to be retained by the supplier and the second copy of the purchase order will be returned by the supplier to the KVS after signing each and every page of the P.O. by his authorized representative in token of the un-conditional acceptance of the purchase order. The supplier will also furnish documentary proof evidencing that the signatory is an authorized representative of the suppliers.

### **m. TERMS OF PAYMENT**

80% payment shall be released after submission of valid tax Invoice, pre dispatch inspection report and proof of despatch. 20% payment shall be released after submission of successful installation and demonstration report taken from schools.



**EVALUATION & SELECTION CRITERIA**

**Quality-cum-Cost Based Selection (QCBS)** method shall be followed for choosing the company, 70% weightage shall be given for Quality (Technical Bid Score) and 30% weightage shall be given for commercial quote using following formula,

$Sud, = \text{Technical Score} / \text{Maximum Technical Score} \times 100$

$S_m = \text{Minimum Commercial Quote} / \text{Maximum Commercial Quote} \times 100$

$S_{m'} = S_m \times 70\% + S_m \times 30\%$

**Technical Evaluation Table**

Sl. No	Item	Specifications and Marks		
1	Domestic Preference	Specifications	Indian	Foreign
		marks	5	0
2	Manufacturer authorize distributor	Specifications	Manufacturer	Authorize Distributor
		marks	10	0
3	Declaration Regarding Safety Test	Specifications	Yes	No
		marks	5	0
4	Past Experience	Specifications	Yes	No
		marks	5	0
5	ISO Certification	Specifications	Yes	No
		marks	5	0
6	Technical Scores	Specifications	Shall be evaluated as per Annexure -6	
		marks	120	
<b>Total Maximum Marks:</b>				<b>150</b>

**Technical Score (TS)** shall be calculated mainly on basis of Compliance of Technical Specifications and detailed Instruction Manual (wherever required) by using the following formula:

**Technical Score (TS) = Total TS obtained by the Bidder x 120 / 10 x No of Items.**

**Financial Qualification.**

This opening of financial bid will be done only for bidders scoring 120 and above as per technical evaluation table.



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CHAPTER- 7

PERFORMA & ANNEXURE

ANNEXURE- 1

6 PROFORMA & ANNEXURE

7.1 PROJECT PROFILE

7.2

Company Name & Address

Name			
Address			
City			District
State			Pin
Telephone			Cell
Fax			E-mail

Details of similar projects already undertaken: -

Signature of the Bidder

Date:

Place:



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**ANNEXURE — 2**

**7.2 SELF DECLARATION**

**Date:**

**Ref:** \_\_\_\_\_

**To,**  
The Commissioner,  
Kendriya Vidyalaya Sangathan,  
18, Institutional Area,  
Shaheed Jeet Singh Marg,  
New Delhi - 110 016.

In response to the Tender No.- **KVS (Hq.)/EDP(LAB)/2015** I /We hereby declare that our company \_\_\_\_\_ is, having unblemished past record, and was not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time.

Signature of the Bidder

Date:

Place:





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**ANNEXURE-3 \_**

**7.3 REPRESENTATIVE AUTHORIZATION LETTER**

**Date :**

**Ref :** \_\_\_\_\_

**To,**

The Commissioner,  
Kendriya Vidyalaya Sangathan,  
18, Institutional Area,  
Shaheed Jeet Singh Marg,  
New Delhi - 110 016.

Ms, /Mr, \_\_\_\_\_ is hereby authorized to sign relevant documents on behalf of the Company in dealing with Tender No.- **KVS (Hq.)/EDP(LAB)/2015**, S/He is also authorized to attend meetings & submit technical & commercial information as may be required by you in the course of processing above said application.

**Thanking you,**  
**Authorized Signatory**

**Representative Signature**  
**Signature attested**



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**ANNEXURE-4**

**7.4 ACCEPTANCE OF TERMS & CONDITIONS CONTAINED IN THE TENDER DOCUMENTS**

To,

**The Commissioner,**

Kendriya Vidyalaya Sangathan.

18, Institutional Area,

Shaheed Jeet Singh Marg,

New Delhi - 110 016.

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender No.- **KVS (Hq.)/EDP(LAB)/2015**, regarding Supply, Installation and Demonstration of Equipment for KVS.

I declare that all the provisions, of this Tender Document are acceptable to my company, I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration

Signature of witness

Signature of the Bidder

Date:

Date:

Place:

Place:



Tender No.- KVS (HQ)/ EDP(LAB)/2015

ANNEXURE -5

7.5 BRIEF VENDOR PROFILE

01	Name of the Firm / Company				
02	Year established				
03	Address of Office				
04	Telephone No.				
05	Fax No.				
06	E-mail Address				
07	Website				
08	No. of years of Proven Experience of providing similar Services.				
09	Annual turnover audited annual turnover in last two year	<b>Annual turnover of the company in Rs,</b>			
		FY	Turn Over (Rs.)		
			PBT	PAT	ATO
		2014-2015			
		2013-2014			
	2012-2013				
10	Paid up capital as 01-Apr - 2015				

Signature of the Bidder

Date:

Place:



**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

**ANNEXURE-6**

**7.6 TECHNICAL BID (BID PARTICULARS FROM PAGE NO .. TO PAGE NO ....)**

1. Tender Number: KVS (Hq.)/EDP(LAB)/2015
2. Name of the Bidder: \_\_\_\_\_
3. Full Address of the Bidder: \_\_\_\_\_
4. Name of the Actual Signatory; \_\_\_\_\_
5. Bidder's proposal number and date: \_\_\_\_\_
6. Name & address of the officer: \_\_\_\_\_

To whom all references shall be made regarding this tender

Telephone

Fax :

E-mail

Witness

Address

Company

Date

Signature Name

Designation

Company

Date

**Bidder Signature**

**Name**



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
1	Van-De-Graff Generator Kit	<p><b>Van -De Graph Generator Kit Set should consist of following components:</b></p> <p>Van-De-Graff Generator (1 No):</p> <ol style="list-style-type: none"> <li>1. An Aluminum dome dia 175mm approx.</li> <li>2. Separate discharging Aluminum sphere dia. 75mm approx.</li> <li>3. Charge belt made of High Quality rubber</li> <li>4. Spark length 60mm approx.</li> <li>5. Sockets 4mm .</li> </ol> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> <li>3. Insulation Test (at 1000 Volts)</li> </ol> <p><b>Accessories:</b></p> <ol style="list-style-type: none"> <li>1. Pointed wheel (1 No)</li> <li>2. Needle on 4mm plug (1 No)</li> <li>3. Perspex jar with pith ball (1 No)</li> <li>4. Thread brush (1 No)</li> <li>5. Point discharge(1 No)</li> <li>6. Perspex pillar (1 No)</li> <li>7. Nylon thread (1 No)</li> <li>8. Faraday's pail (1 No)</li> <li>9. Neon lamp (1 No)</li> <li>10. Electric Chimes(1 No)</li> <li>11. Electric tester (1 No)</li> <li>12. Flexible Lead Pair (1 No)</li> <li>13. Plastic Stool (1 No)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b></p> <p><b>Installation Manual having List of Experiments, Operating Procedure.</b></p> <p><b>Video Manual having concepts being taught.</b></p> <p><b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		

To be filled by Department:

Technical Score (TS):-

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark
<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark	
<b>Video Manual (C)</b>	Provided – 3 Marks	Not Provided – 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>			



**Stamp**

**Tender No.- KVS (HQ)/ EDP(LAB)/2015**  
**Bidder Signature**



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
2	Capacitance Demonstration Kit	<p><b>The Kit should consist of the following:</b></p> <ol style="list-style-type: none"> <li>1. Parallel plates (20x20) cm pair (2 Nos)</li> <li>2. Parallel plates (28x28) cm pair (1 No)</li> <li>3. Glass sheet (21x21) cm (1 No)</li> <li>4. Polystyrene sheet (21x21) cm (1 No)</li> <li>5. LCR meter (1 No)</li> <li>6. 4mmplug lead pair (2 Nos)</li> <li>7. Spacing blocks (1,2,3,4,6 mm) (1 No)</li> <li>8. Capacitor rail (2 Nos)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b>  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>Video Manual having concepts being taught.</b>  <b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		

To be filled by Department:

Technical Score (TS):-

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark
<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark	
<b>Video Manual (C)</b>	Provided – 3 Marks	Not Provided – 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>			

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
3	Diode Laser Kit	<ol style="list-style-type: none"> <li>1. Diode laser (1 No): Wave Length : 650nm, Output Power : &lt;5mW, Output Mode : Continuous, Input Voltage : 3V</li> <li>2. Optical bench (1 No): Material : Mild Steel, Scale : 50cm, graduated in mm. Saddle : Plastic molded, hole dia. 10mm</li> <li>3. Object screen with clip (1 No): Material : Translucent, Acrylic. , Size : 300 x 300 mm, Rod : 10 mm diameter</li> <li>4. Set of 13 objects (1 No): It consists of 13 Objects : Single slit, double slit, multiple slit 3, multiple slit 4, multiple slit 5, single tapered slit, fine grating, 4 holes, circular opaque spot, grey filter, mesh, coarse grating &amp; grid pattern. Frame Size : 50mm x 50mm</li> <li>5. Slit holder (1 No)</li> <li>6. -10 cm dia 40 bi concave lens in holder (1 No)</li> <li>7. -5 cm dia 40 bi concave lens in holder (1 No)</li> <li>8. +10 cm dia 40 bi convex lens in holder (1 No)</li> <li>9. +20 cm dia 40 bi convex lens in holder (1 No)</li> <li>10. Prism table (1 No): Disc: 75mm diameter. Rod: 10 mm diameter.</li> <li>11. Measuring tape (1 No): Length: 3m, Least Count: 1mm</li> <li>12. Glass scale (1 No)</li> <li>13. Cylindrical base (1 No): Material : Ferrous, Mount : Rod 10-14mm dia, Flat object up to 10mm, Groove: Slide object, 30x10mm (LxW)</li> <li>14. Laser mount (1 No)</li> </ol> <p>Accessories packed in Suitable box having foam cavity. Installation Manual having List of Experiments, Operating Procedure. Video Manual having concepts being taught. (Instruction Manual &amp; Video Manual</p>		





**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

**to be supplied with Technical Bid)**

**To be filled by Department:**

**Technical Score (TS):-**

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark
<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark	
<b>Video Manual (C)</b>	Provided – 3 Marks	Not Provided – 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>			

**Stamp**

**Bidder Signature**



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
4	Demonstration Meter Kit	<p><b>The Kit should consist of the following:</b></p> <p><b>1.</b> Demonstration meter (1 No): Dimension: 30 x 30 x 15cm approx. Sensitivity : 5mA, 100mV Type : Moving Coil Material : Plastic</p> <p><b>Safety Requirements:</b></p> <p>1. High Voltage Test (AT 1.5KV). 2. Earth Test (at 25Amp) 3. Insulation Test (at 1000 Volts)</p> <p><b>2.</b> DC dial 0-1A (1 No) <b>3.</b> DC dial 0-15V (1 No) <b>4.</b> AC dial 0-5V (1 No) <b>5.</b> AC dial 0-1A (1 No) <b>6.</b> Galvanometer (1 No) <b>7.</b> Resistance ½W (1 No) <b>8.</b> Resistance 2.2K,1W (1 No) <b>9.</b> Power supply (1 No) <b>10.</b> Flexible Lead pair (1 No)</p> <p><b>Accessories packed in Suitable box having foam cavity.</b> <b>Installation Manual having List of Experiments, Operating Procedure.</b> <b>(Instruction Manual to be supplied with Technical Bid)</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
5	Transformer Kit	<p><b>The Kit should consist of the following:</b></p> <ol style="list-style-type: none"> <li>1. Clamp base (1 No)</li> <li>2. 300Turn Coil (1 No)</li> <li>3. 600Turn coil (2 Nos)</li> <li>4. 1200Turn coil (1 No)</li> <li>5. 3600Turn coil (1 No)</li> <li>6. 12000Turn coil (1 No)</li> <li>7. U&amp;I Core, section 32X25mm (1 No)</li> <li>8. Multimeter (2 Nos)</li> <li>9. Connecting Leads 50cm (Pair) (2 Nos)</li> <li>10. Power supply (2-12 V AC) (1 No): Output Voltage 2,3,4,5,6,8,10 and 12 V AC full wave. Rectified, unsmoothed and unregulated D.C. in maximum 8 steps. Overload protection Resettable thermal trip. Working voltage 230V AC, 50Hz.</li> </ol> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> </ol> <p><b>3. Insulation Test (at 1000 Volts)</b></p> <ol style="list-style-type: none"> <li>11. Quadrant shaped plane plate (1 No)</li> <li>12. Quadrant shaped slotted plate (1 No)</li> <li>13. Aluminum motor disc (1 No)</li> <li>14. Vertical support rod (1 No)</li> <li>15. Clamping screw (1 No)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b></p> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid)</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A < 95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	



**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

**Total Score (TS) obtained by the Bidder (A+B):**

**Stamp**

**Bidder Signature**



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
6.1	<b>Physics Experiment Kit with datalogging</b>			
	Data Logger:	Hardware: Color touch Screen / Tablet / Laptop based datalogging. Software: Connecting Data Viewing Data Analysing Data Graphing Data Save Data Export		
	Low-g Accelerometer:	-50 m/sec <sup>2</sup> to + 50 m/sec <sup>2</sup>		
	Force Sensor	Dual range upto 30N		
	Photo-gates	Infra Red beam based		
	Current Probe sensor	-1 Amp to + 1Amp		
	Voltage Probe sensor	-25V to +25V		
	Magnetic Field Sensor:	-10mT to +10mT		
	Temperature Probe:	-30°C to +130°C		
	Light Sensor:	0 to 100000 lux		
	Gas Pressure sensor:	Upto 200 kPa		
	Motion detector	Upto 5 Meter		
	Computer Software Specifications	<b>Software:</b> Collecting Data Viewing Data Graphing Analysing Data Data Save Data Export		
	microphone sensor (1 Nos)	Microphone Sensor		
6.2	<b>Physics Experiment Kit with datalogging Accessories.</b>			
	Friction block & Roller	Friction block & Roller		
	Weight	Weight (50 X 10gm): Masses slotted set of 50gm weight total 500gm 9 weights and one hanger of equal weight. Made of Brass.		



**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

Metal Track:	Track for Dynamic Trolley (with Pulley). Made of Stainless Steel. Inclined Plane: It should consists of a Wooden Board with a provision to attach Pulley with Rod and change the angle with a help of another small Rod Should be provided with it which can held in a Bosshead.		
Base & Rod	Mild steel rod plated, dia 10mm, length 750mm., tripod stand spread from center 87mm.		
Bosshead	Square (bilateral)		
Calorimeter Joule's	To determine the specific heat capacity of a liquid by electrical heating. It consists of an electroplated copper calorimeter. A thermometer and a stirrer can be clamped to a PVC lid provided with it. Connections are made using 4mm sockets connected to a heating coil. Thermometer is not included in the scope of supply. Outer vessel: 7.6cm dia., 9 cm height approx. Inner vessel : 6 cm dia , 8.5 cm height approx.		
Dynamic Trolley	Metallic		
Pandulum Bob	25mm (brass)		
Weight	Weight (50 x 10gm): Masses Slotted set of 50gm weight total 500gm 9 weights and one hanger of equal weight. Made of Brass.		
Acrylic tube	Acrylic tube		
Tube holder	Tube holder		
Plug in board	Size : 31 cm X 25 cm X 4 cm, Safety Sockets : Size – 4 mm; Connected in 2 X 2 matrix; Total No. of matrix : 24 (4 X 6) For insertion of Plug-in modules for performing various experimental circuits. Very convenient and easy to use		
Resistance board	Resistance board		
Connecting lead	Connecting lead		
Transistor	Transistor		
Zener diode	Zener diode		
Led	Led		
Switch	Switch		
Capacitor module	Capacitor module		



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Resistance modules	Resistance modules		
Power Supply 0-16V , 1A & 5A DC	<p><b>Parameters</b></p> <p>Voltage 0 -16V, 1 Amp.</p> <p>Continuously variable 5V. 1 Amp.</p> <p>Ripple Less than 25mV</p> <p>Display 3 Digit LED for 0-16V DC</p> <p>Working voltage 230V AC, 50 Hz single phase</p>	<b>Remarks</b>	
	Electronic Key Board.		
Linear Air Track	<p><b>Linear Air Track with Data Logging should consist of the following components as per specifications:</b></p> <p><b>Linear air track:</b> It should be Triangular section aluminum alloy track, length 200cm, with two rows of air holes through which air emerge forming air cushion on which the vehicles float. Supported on three adjustable feet. At one end of track an air inlet tube connection.</p> <p><b>Air Blower:</b> The Compact Air Blower should have an air outlet, which should be connected to a hose. Should be supplied with flexible hose and adaptor for hose. Should have provision of speed regulator and ON/OFF switch.</p> <p>Regulator for airflow control.</p> <p>Hose: plastic, 35 mm dia</p> <p>Operating voltage: 220 V AC, 50 Hz</p> <p>Air speed: 30 ± 1 ms<sup>-1</sup></p> <p>Dimension : 230 x 185 x 250mm (L x W x H)</p> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> <li>3. Insulation Test (at 1000 Volts)</li> </ol> <p><b>Linear Air track accessories:</b></p> <p>Vehicle 200 g Two</p> <p>Plug with aluminium strip Three</p> <p>Plug with screen One</p> <p>Plug with clay One</p> <p>Plug with pin One</p> <p>Fork with rubber band Three</p> <p>Weight 50 g Four</p> <p>Plug with card(black Al sheet) One</p> <p>Plug with hook for attaching card One</p> <p><b>Plug with pulley One</b></p>		
	<p><b>Accessories packed in Suitable box having foam cavity.</b></p> <p><b>Installation Manual having List of Experiments, Operating Procedure.</b></p> <p><b>Video Manual having concepts being taught.</b></p>		



**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

**(Instruction Manual & Video Manual  
to be supplied with Technical Bid)**

**To be filled by Department:**

**Technical Score (TS):-**

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark	
<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark		
<b>Video Manual (C)</b>	Provided – 3 Marks	Not Provided – 0 Mark		
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>				

**Stamp**

**Bidder Signature**





Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
7	Digital Meter	Housed in rectangular shaped plastic body display. Size 14 x 10 x 10 cm approx. Fitted with two terminals and on / off switch. Operating voltage 9V DC battery. Display :LCD type 3½ digit Range DC: 19.99A & 19.99V <b>Accessories packed in Suitable box having foam cavity.</b> <b>Installation Manual having List of Experiments, Operating Procedure.</b> <b>(Instruction Manual to be supplied with Technical Bid)</b>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark	
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark		
<b>Total Score (TS) obtained by the Bidder (A+B):</b>				

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
8	Westminster Kit	<p>The Kit is required to perform the basic experiments in Electromagnetism for a group of 8 students in classroom.</p> <ol style="list-style-type: none"> <li>1. White Cotton Reel (4 Nos)</li> <li>2. Wooden Rods (4 Nos)</li> <li>3. Armature (44 x 30 x 12mm) (4 Nos)</li> <li>4. Mild steel yoke (4 Nos)</li> <li>5. Support base (100 x 47 x 10mm) (4 Nos)</li> <li>6. Split pins (8 Nos)</li> <li>7. Rivets Plastic (24 Nos)</li> <li>8. Shafts (6 Nos)</li> <li>9. Slotted Aluminum Rings (4 Nos)</li> <li>10. Compass Holder (4 Nos)</li> <li>11. Plotting Compass (6 Nos)</li> <li>12. Resistors 10 ohm, 100 ohm (4 Nos)</li> <li>13. Silicon Tubing (2.5mm Hole) (1 No)</li> <li>14. Ferrite Magnet (50 x 19 x 6mm) (8 Nos)</li> <li>15. Alnico Magnet (31 x 6 x 6mm) (4 Nos)</li> <li>16. Bottle of iron filing (1 No)</li> <li>17. Iron filing dispenser (4 Nos)</li> </ol> <p>Accessories packed in Suitable box having foam cavity. Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid)</p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A < 95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
9	Newton's second Law Apparatus	This apparatus should be able to demonstrate newton's second law of motion. It should comprise a metal base, mounts a spring-loaded bar and two metal spheres. The spring can be compressed and locked into place by a lever. One of the spheres slides onto one end of the bar while the other is mounted in the depression adjacent to the opposite end. On release of the lever the rod imparts a horizontal velocity on the second sphere whilst the other sphere simply falls vertically. <b>Accessories packed in Suitable box having foam cavity.</b> <b>Installation Manual having List of Experiments, Operating Procedure.</b> <b>(Instruction Manual to be supplied with Technical Bid)</b>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
10	Hydraulic Press	It should have two graduated syringes situated on a metal frame, having capacities of 50ML and 10ML respectively with ground pistons. Both the syringes should be connected through a 3 position tap. These syringes can be exposed to atmosphere through this tap, isolated or interconnected as desired. Both the pistons should be provided with platforms for loading. This item should be used for demonstrating how fluid pressure is transmitted. <b>Accessories packed in Suitable box having foam cavity.</b> <b>Installation Manual having List of Experiments, Operating Procedure.</b> <b>(Instruction Manual to be supplied with Technical Bid)</b>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	
Total Score (TS) obtained by the Bidder (A+B):			

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
11	Projectile Launcher	<p>1. <b>Projectile launcher:</b> Used for investigating the motion of projectile at different angle of projection (0-90). Plumb Line attached to unit for angle reading and a spring loaded rod should be provided to project the ball. The set up should be easily mountable on the edge of laboratory table.</p> <p>2. Small balls (2 Nos)</p> <p><b>Accessories packed in Suitable box having foam cavity.</b></p> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid)</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A < 95%) 0 Mark	
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark		
<b>Total Score (TS) obtained by the Bidder (A+B):</b>				

Stamp

Bidder Signature



**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

**Annexure - 6**

**Technical Bid (Bid particular Annexure -6)**

**Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.**

**The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).**

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
12	Magnetizing/Demagnetizing Coil	To demonstrate Magnetizing or Demagnetizing iron bar or strips etc. It should have a solenoid mounted on a plastic base with switch and 4 mm sockets. Solenoid: 250 x 25mm approx. (L x ID). Operating voltage: 12 VAC or DC at 6A <b>Accessories packed in Suitable box having foam cavity. Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b>		

To be filled by Department:

**Technical Score (TS):-**

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A <95%) 0 Mark
<b>Instruction Manual (B)</b>	Provided – 5 Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

**Stamp**

**Bidder Signature**



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
13	Electrostatic Kit	<p>The Kit should consist of the following:</p> <ol style="list-style-type: none"> <li>1. Gold leaf electroscope. Gold leaf is attached by metal plate supported by an insulating bush with a 4mm socket. It should consists of a transparent glass front window and ground glass rear window and also consists of a graduated scale ( 0° - 90°).</li> <li>2. Proof plane on insulating handle (1 No)</li> <li>3. Metalized polystyrene sphere (4 Nos)</li> <li>4. Electrophorus plate insulating handle (1 No)</li> <li>5. Polythene strip (1 No)</li> <li>6. Polythene tiles 2</li> <li>7. Nylon reel (1 No)</li> <li>8. Aluminum cans (2 Nos)</li> <li>9. Cellulose acetate strip (1 No)</li> <li>10. Wire stirrup (1 No)</li> <li>11. Polishing cloth (1 No)</li> <li>12. Plated wire hook (1 No)</li> </ol> <p>Accessories packed in Suitable box having foam cavity. Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided - 5Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

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Technical Bid (Bid particular Annexure -6)

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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
14	Field Lines and Equipotential Lines	<p><b>Kit should consist of following components:</b></p> <ol style="list-style-type: none"> <li>1. Trough (1 No)</li> <li>2. Needle (1 No)</li> <li>3. Rod with socket (1 No)</li> <li>4. Multimeter (1 No)</li> <li>5. Cylindrical base (1 No)</li> <li>6. Bar electrode (2 Nos)</li> <li>7. Disc electrode (2 Nos)</li> <li>8. Ring electrode (1 No)</li> <li>9. Stand rod (1 No)</li> <li>10. Boss head (1 No)</li> <li>11. Power supply (2-12 V AC) (1 No): Output Voltage 2,3,4,5,6,8,10 and 12 V AC full wave. rectified, unsmoothed and unregulated D.C. in maximum 8 steps. Overload protection Resettable thermal trip. Working voltage 230V AC, 50Hz.</li> </ol> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> <li>3. Insulation Test (at 1000 Volts)</li> </ol> <p>12. Flexible plug lead (set) (2 Nos)</p> <p><b>Accessories packed in Suitable box having foam cavity.</b></p> <p><b>Installation Manual having List of Experiments, Operating Procedure.</b></p> <p><b>Video Manual having concepts being taught.</b></p> <p><b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		

To be filled by Department:

Technical Score (TS):-

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Instruction Manual (B)	Provided -3 Marks	Not Provided- 0 Mark	
Video Manual (C)	Provided – 3 Marks	Not Provided – 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>			

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Technical Bid (Bid particular Annexure -6)

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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
15	DIA- PARA- AND FERROMAGNETISM	<p>Kit should consist of following components:</p> <ol style="list-style-type: none"> <li>1. Power Supply 30V DC,10A (1 No)</li> <li>2. U-Core (1 No)</li> <li>3. Pole piece with hole(pair) (1 No)</li> <li>4. Pointed Attachment for pole pieces(pair) (1 No)</li> <li>5. Coil 500 turns ( 2nos)</li> <li>6. 'A' shaped Base (1 No)</li> <li>7. Rod 'L' shaped (1 No)</li> <li>8. Attachment assembly (1 No)</li> <li>9. Ni, Bi and Al sample (1 No)</li> <li>10. Digital Multimeter (1 No)</li> <li>11. Flexible Plug lead, Red (1 No)</li> <li>12. Flexible Plug lead, Black (2 Nos)</li> <li>13. Flexible plug lead, yellow (1 No)</li> </ol> <p>Accessories packed in Suitable box having foam cavity. Installation Manual having List of Experiments, Operating Procedure. Video Manual having concepts being taught. (Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</p>		

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Technical Bid (Bid particular Annexure -6)

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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
16	Force Table	<ol style="list-style-type: none"> <li>1. Disc graduated in degrees scale (1 No) - Dual scale provided with an arrangement to take readings clockwise or anticlockwise. Disc diameter: 400mm. free movement of Pulley to reduces friction. Precise measurement of angle with the built-in-scale.</li> <li>2. Pulleys with clamp (4 Nos)</li> <li>3. Detachable legs (1 No)</li> <li>4. Tripod Base (1 No)</li> <li>5. Slotted weight Set (50gx9) (4 Nos)</li> <li>6. Balance Pin (1 No)</li> <li>7. S- Shaped hook (4 Nos)</li> <li>8. Oring with thread (4 Nos)</li> </ol> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b></p>		

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Technical Bid (Bid particular Annexure -6)

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The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
17	Ring Launcher	<p>Ring Launcher should be able to demonstrate the Lenz's law and effects of electromagnetically induced currents will consist of following equipments.</p> <ol style="list-style-type: none"> <li>1. Base Unit for Ring Launcher (1 No)</li> <li>2. Aluminum ring &amp; slit (1 No)</li> <li>3. Acrylic ring (1 No)</li> <li>4. Coil with bulb (1 No)</li> </ol> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> <li>3. Insulation Test (at 1000 Volts)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b></p> <p><b>Installation Manual having List of Experiments, Operating Procedure.</b></p> <p><b>Video Manual having concepts being taught.</b></p> <p><b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		

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Annexure - 6

Technical Bid (Bid particular Annexure -6)

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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
18	Compact Wave Tank	<p><b>Compact wave Tank</b> Integrated wave-generator and strobe to demonstrate the phenomena of reflection, refraction, interference and diffraction of water-waves in a easy to use set-up. This set-up consists of : <b>Ripple Tank Base Unit (Qty. - 1):</b> Size : 310 mm X 245 mm X 155 mm Frequency : 50 – 250 Hz with a resolution of 1 Hz For digitally controlled wave and strobe generation provided with two nos of 3-digit Led display (each for wave and strobe). Wave and strobe frequency can be controlled independently or synchronously. <b>Wave Tank (Qty – 1)</b> Size : 110 mm X 110 mm X 50 mm (Approx) <b>Power adapter (Qty. - 1)</b> <b>Accessories set: (To be provided in the integrated compartment of the base unit with one number each.)</b> Single Point dipper (Qty. 1) Double Point Dipper (Qty. 1) Bar Dipper (Qty. 1) Curved Reflector (Qty. 1) Pair of Straight Barrier (Qty. 1) Convex Glass Shape (Qty. 1) Concave Glass Shape (Qty. 1) Triangular Glass Shape (Qty. 1) Rectangular Glass Shape (Qty. 1) Trapezoidal Glass Shape (Qty. 1) Dropper (Qty. 1) <b>Installation Manual having List of Experiments, Operating Procedure.</b> <b>Video Manual having concepts being taught.</b> <b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		

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Annexure - 6

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Technical Bid (Bid particular Annexure -6)

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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
19	Ray Optics Kit	<p>1. Light Box (1 No): Made of plastic for ray tracing and color mixing experiments. It has a fixed condenser lens for providing parallel rays. Fixed mirrors are used to reflect light. Operating voltage 10-12V AC/DC, Lamp -halogen 12V, 21W, Box dimensions: 17.5 x 7 x 7cm approx.</p> <p>2. Power supply (2-12 V AC) (1 No): Output Voltage 2,3,4,5,6,8,10 and 12 V AC full wave. rectified, unsmoothed and unregulated D.C. in maximum 8 steps. Overload protection Resettable thermal trip. Working voltage 230V AC, 50Hz.</p> <p><b>Safety Requirements:</b></p> <p>1. High Voltage Test (AT 1.5KV). 2. Earth Test (at 25Amp) 3. Insulation Test (at 1000 Volts)</p> <p>3. 1 &amp; 2 Slots Diaph. (1 No) 4. 3 &amp; 5 Slots Diaph. (1 No) 5. Right Angled Prism (1 No) 6. Plano Concave Lens (1 No) 7. Plano Convex Lens (1 No) 8. Trapezoid acrylic body (1 No) 9. Semi Circular body (1 No) 10. Parabolic Mirror (1 No) 11. Plane Mirror (1 No) 12. Set of colour filters (1 No) 13. Flexible Lead (Set) (1 No) 14. Optical disc (1 No) 15. Magnetic board (1 No)</p> <p><b>Accessories packed in Suitable box having foam cavity.</b> <b>Installation Manual having List of Experiments, Operating Procedure.</b> <b>Video Manual having concepts being taught.</b> <b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		



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The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
20	Laser Ray Kit	<p>Laser Ray kit should consist of following Components packed in a box strictly as per specifications. It should be able to Vertically demonstrate various optical phenomenon like working of Human Eye with its deformities, photographic camera, Galileo Telescope, Kepler Telescope etc.</p> <ol style="list-style-type: none"> <li>1. Diode laser box (1 No): It should consist of 5 independent laser modules with peak wavelength of 635nm.</li> <li>2. Power adaptor (1 No)</li> <li>3. Beam selector (1 No)</li> <li>4. Human eye sheet (1 No)</li> <li>5. Photo camera sheet (1 No)</li> <li>6. Galilean telescope sheet (1 No)</li> <li>7. Kepler telescope sheet (1 No)</li> <li>8. Spherical aberration sheet (1 No)</li> <li>9. Periscope sheet (1 No)</li> <li>10. Hartles circle sheet (1 No)</li> <li>11. Bi-convex lens no 1 (1 No), Bi-convex lens no 2 (1 No), Bi-convex lens no 3 (1 No), Bi-convex lens no 4 (1 No), Bi-concave lens no 5 (1 No), Plane convex lens r=45mm (1 No), Plane convex lens r=75mm (1 No), Plane concave lens (1 No)</li> <li>12. Concave mirror (1 No)</li> <li>13. Convex mirror (1 No)</li> <li>14. Plane mirror (1 No)</li> <li>15. Rectangular slab (1 No)</li> <li>16. Prism (1 No)</li> <li>17. Optical Fiber (1 No)</li> <li>18. Magnetic board (1 No)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b>  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>Video Manual having concepts being taught.</b>  <b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		





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<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark		
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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
21	Bell Experiment	<p><b>Kit should consist of following components:</b></p> <ol style="list-style-type: none"> <li>1. Jar (1 No)</li> <li>2. Pump plate (1 No)</li> <li>3. Electric bell (1 No)</li> <li>4. Rubber stopper with two socket (1 No)</li> <li>5. Tubing (1 No)</li> <li>6. Power supply (1 No)</li> <li>7. Connecting lead black 1m (1 No)</li> <li>8. Connecting lead red 1m (1 No)</li> <li>9. Vacuum pump (1 No)</li> <li>10. Magdeburg hemisphere (1 No)</li> </ol> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b></p>		

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Technical Score (TS):-

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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
22	Law Of Resistance Board	<p><b>Kit should consist of following components:</b></p> <ol style="list-style-type: none"> <li>1. Resistance board (1 No)</li> <li>2. 1m, constantan wires 24SWG (1 No)</li> <li>3. 1m, constantan wires 30SWG (1 No)</li> <li>4. 1m,iron wires 30SWG (1 No)</li> <li>5. 1m,copper wires 30SWG (1 No)</li> <li>6. Multimeter (2 Nos)</li> <li>7. Connecting Lead black 50cm (2 Nos)</li> <li>8. Connecting Lead black 100cm (1 No)</li> <li>9. Connecting Lead red 50cm (2 Nos)</li> <li>10. Connecting Lead red 100cm (1 No)</li> <li>11. POWER SUPPLY (1 No)</li> </ol> <p>Ideal for general purpose applications where a low voltage study power supply is required e.g. for equipments with lamps and resistances.</p> <p><b>TECHNICAL SPECIFICATION</b>  Output Voltage: 1.5, 3, 4.5, 6, 7.5, 9, 10.5 and 12 V AC full wave rectified, unsmoothed and unregulated D.C.  Overload protection: Resettable thermal trip.  Working voltage: 220 V AC, 50 Hz single phase.  Output: 1.5 to 12 V in 8 steps.</p> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> <li>3. Insulation Test (at 1000 Volts)</li> </ol> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b></p>		

To be filled by Department:

Technical Score (TS):-



केन्द्रीय विद्यालय संगठन

**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
23	Optics Kit	<p>Optics kit should consist of following components strictly as per specifications:</p> <p><b>1. Source (Qty. - 1) :</b> LED Matrix (5 X 3 bright LEDs) to generate patterns (power adapter included). Pattern selection : By thumbwheel switch.</p> <p><b>Lenses (Qty. - 4) :</b>            Convex : <math>\Phi = 5</math> cm; <math>f = 20</math> cm (Approx.)            Convex : <math>\Phi = 5</math> cm; <math>f = 10</math> cm. (Approx.)            Concave : <math>\Phi = 5</math> cm; <math>f = 5</math> cm (Approx.)            Concave : <math>\Phi = 5</math> cm; <math>f = 10</math> cm (Approx.)</p> <p><b>3. Mirrors (Qty. - 3) :</b>            Concave (Qty. - 1) : <math>\Phi = 5</math> cm; <math>f = 15</math> cm.(Approx.)</p> <p>Convex (Qty. - 1) : <math>\Phi = 5</math> cm; <math>f = 10</math> cm. (Approx.)            Flat (Qty. - 1) : Size : 65mm X 17 mm X 1.6 mm [Approx.]</p> <p><b>4. Screen (Qty. - 1) :</b>            30 cm X 30 cm (approx.) Acry white translucent screen with holder(10 mm rod) for viewing image.</p> <p><b>5. Cylindrical Bases (Qty. - 4):</b>            Material : Ferrous;Size : 50 mm X 55 mm (<math>\Phi</math> X h) [Approx.] Weight : 850 g (approx.)(To easily mount various optical components[source, mirrors, lenses, screen]) with groove</p> <p><b>6. Scale(100 cm) (Qty. - 1):</b>            To measure distances between optical components.</p> <p><b>7. Lens/Mirror Holder(Qty. - 6) :</b>            To hold the optical components with retaining ring.</p> <p><b>8. Power Adapter (Qty. - 1):</b> 5V DC</p> <p><b>Accessories packed in Suitable box having foam cavity.</b>  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>Video Manual having concepts being taught.</b>  <b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		



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S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
24	Melting Point Apparatus	<p>Melting point unit (1 No) should be capable of determining repeatable melting point of different compounds up to 400°C in 5 minutes by continuously adjustable with built-in variable transformer. Temperature resolution 0.1°C with low mass thermocouple and precision thermometer. Its housing should be made of aluminum. It should be able to accept up to three capillaries. Samples should be illuminated and clearly visible through the precision 6 X power lens. Operable at 220VAC.</p> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> <li>3. Insulation Test (at 1000 Volts)</li> </ol> <p><b>Additional items should be provided:</b></p> <ol style="list-style-type: none"> <li>1. Digital thermometer (1 No)</li> <li>2. Capillaries 3" long (1 pkt)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b></p> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b></p>		

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The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
25	Kit for Magnetism Experiments	<p>Magnetic Kit should be provided with the following components in a box to perform Basic Experiments in Magnetism.</p> <ol style="list-style-type: none"> <li>1. Test tube (1 No)</li> <li>2. Bar magnet (1 No)</li> <li>3. Bar Magnet with red marked north pole (1 No)</li> <li>4. Cylindrical magnet (1 No)</li> <li>5. Knitting needle (1 No)</li> <li>6. Spool of thread (1 No)</li> <li>7. Plastic box small (1 No)</li> <li>8. Wooden disc (1 No)</li> <li>9. Rubber eraser (1 No)</li> <li>10. Sheet of copper (1 No)</li> <li>11. Sheet of iron (1 No)</li> <li>12. Sheet of cardboard (1 No)</li> <li>13. Piece of cloth (1 No)</li> <li>14. Floating platform for compass needle (1 No)</li> <li>15. Compass needle (1 No)</li> <li>16. Compass card (1 No)</li> <li>17. Hiking compass (1 No)</li> <li>18. Mini waggons for magnets (1 No)</li> <li>19. Floating platform for bar magnet (1 No)</li> <li>20. Filter bowl (1 No)</li> <li>21. Aluminium screws (1 No)</li> <li>22. Paper clips (1 No)</li> <li>23. Nails (10 Nos)</li> <li>24. Iron screws (3 Nos)</li> </ol> <p>Accessories packed in Suitable box having foam cavity. Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature





Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
26	Mechanics Kit	<p><b>Kit should consist of following components:</b></p> <ol style="list-style-type: none"> <li>1. Base Support (2 Nos)</li> <li>2. Rod 35cm (2 Nos)</li> <li>3. Rod with hole 40cm (1 No)</li> <li>4. Rod 25cm (1 No)</li> <li>5. Rod 50cm (2 Nos)</li> <li>6. Connecting rod 1</li> <li>7. Double scale with bosshead (mm) (1 No)</li> <li>8. Bosshead (4 Nos)</li> <li>9. Beam balance with needle pointer (1 No)</li> <li>10. Pan with hook (2 Nos)</li> <li>11. Solid aluminium cylinder (1 No)</li> <li>12. Beaker 250ml (1 No)</li> <li>13. Graduated cylinder 100ml (1 No)</li> <li>14. Archimedes bucket (1 No)</li> <li>15. Weight box (1 No)</li> <li>16. A scale with clip (1 No)</li> <li>17. S-shaped hook (2 Nos)</li> <li>18. Dynamometer 1.5N (1 No)</li> <li>19. Dynamometer 3N (1 No)</li> <li>20. Friction wooden block (1 No)</li> <li>21. Digital watch (1 No)</li> <li>22. A spring 1N (1 No)</li> <li>23. A spring 2.5N (1 No)</li> <li>24. A pair of indicator (1 No)</li> <li>25. A aluminum parallelogram (1 No)</li> <li>26. Meter tape (1 No)</li> <li>27. A thread 10m (1 No)</li> <li>28. Trolley Plash (1 No)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b>  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>Video Manual having concepts being taught.</b>  <b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		



Tender No.- KVS (HQ)/ EDP(LAB)/2015

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark	
Instruction Manual (B)	Provided -3 Marks	Not Provided- 0 Mark		
Video Manual (C)	Provided – 3 Marks	Not Provided – 0 Mark		
Total Score (TS) obtained by the Bidder (A+B+C):				

Stamp

Bidder Signature



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
27	Free Fall Apparatus	<p>Kit should consist of following components:</p> <ol style="list-style-type: none"> <li>'g' by free fall apparatus (1 No)</li> <li><b>Digital Timer with power Adapter – 1 No.:</b>  <b>Display :</b> 2 line 16x2 Alphanumeric LCD display with backlit.  <b>Time Resolution :</b> 0.1 millisecond.  <b>Interface :</b> USB and Supplied with Adapter.  <b>Measurement Modes :</b> Time, Speed, Accl, and count Mode.  <b>Data Logging :</b> Built-in storage for 99 readings in the measurement modes.</li> <li><b>Photogates – 2 Nos:</b> Narrow beam infrared connected directly to Digital Timer.</li> <li><b>Accessories :</b> 1b, 2b, 3b and 10b pickets, and mass set.</li> <li>Lead, black(200cm) (1 No)</li> <li>Lead, red(200cm) (1 No)</li> <li>2 L Picket (1 No)</li> <li>Steel Ball (1 No)</li> <li>Pendulum bob (Brass) (1 No)</li> <li>Pendulum bob (Iron) (1 No)</li> <li>Picket fence ten slits (1 No)</li> <li>Solenoid driver (1 No)</li> <li>Pendulum support (2 Nos)</li> <li>Thread reel (1 No)</li> </ol> <p>Accessories packed in Suitable box having foam cavity.  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>(Instruction Manual to be supplied with Technical Bid).</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A < 95%) 0 Mark
Instruction Manual (B)	Provided - 5Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



Annexure - 6

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Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
28	Linear Air Track with Timer	<p><b>Linear Air Track with Timer should consist of the following components as per specifications:</b></p> <p><b>Linear air track:</b> It should be Triangular section aluminum alloy track, length 200cm, with two rows of air holes through which air emerge forming air cushion on which the vehicles float. Supported on three adjustable feet. At one end of track an air inlet tube connection.</p> <p><b>Air Blower:</b> The Compact Air Blower should have an air outlet, which should be connected to a hose. Should be supplied with flexible hose and adaptor for hose. Should have provision of speed regulator and ON/OFF switch. Regulator for airflow control. Hose: plastic, 35 mm dia Operating voltage: 220 V AC, 50 Hz Air speed: <math>30 \pm 1</math> ms<sup>-1</sup> Dimension : 230 x 185 x 250mm (L x W x H).</p> <p><b>Safety Requirements:</b></p> <ol style="list-style-type: none"> <li>1. High Voltage Test (AT 1.5KV).</li> <li>2. Earth Test (at 25Amp)</li> <li>3. Insulation Test (at 1000 Volts)</li> </ol> <p><b>Linear Air track accessories:</b> Vehicle 200 g Two Plug with aluminium strip Three Plug with screen One Plug with clay One Plug with pin One Fork with rubber band Three Weight 50 g Four Plug with card(black AI sheet) One Plug with hook for attaching card One Plug with pulley One</p> <p><b>Photogate sensors (2 Nos) and Digital timer (1 No):</b> Display : 2 line LCD Type : Micro controller based Time resolution : 0.1 milli second Mode : Time, Speed &amp; Acceleration Photogate : 2 Nos. Interface : USB Operating voltage : 5V DC Photogate detector : Infra-Red</p>		



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Boss head (2 Nos):  
 Object type : Square & round shape  
 Object size : Up-to 13mm dia  
 Material : Aluminium alloy  
 Tripod Base (2 Nos)  
 Stand rod (2 Nos)

**Accessories packed in Suitable box having foam cavity.  
 Installation Manual having List of Experiments, Operating Procedure.  
 Video Manual having concepts being taught.  
 (Instruction Manual & Video Manual to be supplied with Technical Bid)**

To be filled by Department:

Technical Score (TS):-

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark
<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark	
<b>Video Manual (C)</b>	Provided – 3 Marks	Not Provided – 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>			

Stamp

Bidder Signature



Tender No.- KVS (HQ)/ EDP(LAB)/2015

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Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
29	Electricity Kit	<p><b>Kit should consist of following components:</b></p> <ol style="list-style-type: none"> <li>1. 'Wall thermometer Alcohol filled (1 No)</li> <li>2. Iron nail big (1 No)</li> <li>3. Terminal clips made of Brass (2 Nos)</li> <li>4. Copper ring (1 No)</li> <li>5. Rubber rod (1 No)</li> <li>6. Wooden block disc shape (1 No)</li> <li>7. Brass screw (1 No)</li> <li>8. Aluminium rivet (1 No)</li> <li>9. Marble block small (1 No)</li> <li>10. Piece of Porcelain block (1 No)</li> <li>11. Carbon block (1 No)</li> <li>12. Nail 50mm long (1 No)</li> <li>13. Piece of cord (1 No)</li> <li>14. Spool of copper wire PVC insulated (1 No)</li> <li>15. Bare copper wire (1 No)</li> <li>16. Nichrome wire grey cotton insulated (1 No)</li> <li>17. Bulbs 3.8 Volts screw type (10 Nos)</li> <li>18. Battery square 4.5 Volt cell holder (1 No)</li> <li>19. Bulb holders plastic (5 Nos)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b>  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>(Instruction Manual to be supplied with Technical Bid).</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A < 95%) 0 Mark
Instruction Manual (B)	Provided - 5Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



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Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
30	Heat And Thermometer Kit	<p><b>Heat of Thermometer consist of follwing components in a box.</b></p> <ol style="list-style-type: none"> <li>1. Thermometer without graduation (1 No)</li> <li>2. Thermometer with graduation (1 No)</li> <li>3. Wall thermometer (1 No)</li> <li>4. Insulating case for beaker (1 No)</li> <li>5. Plastic bowel (1 No)</li> <li>6. Erlenmeyer flask (1 No)</li> <li>7. Food coloriser (1 No)</li> <li>8. Plastic dropper (1 No)</li> <li>9. One glass tube 165 x 5mm (1 No)</li> <li>10. Beaker glass 100ml (2 Nos)</li> <li>11. Beaker (graduated plastic) 100ml (1 No)</li> <li>12. Bridge shaped stand (1 No)</li> <li>13. Candle in metal holder (2 Nos)</li> <li>14. Pegs (3 Nos)</li> <li>15. Rubber stopper with bore (1 No)</li> </ol> <p><b>Accessories packed in Suitable box having foam cavity.</b>  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>(Instruction Manual to be supplied with Technical Bid).</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided - 5Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



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Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
31	Basic Electricity Kit	<p>Basic Electricity Kit should be provided with following components for vertical demonstration of Basic Electricity Experiments in the Class.</p> <p>Each component should be fitted with Magnet.</p> <p>Component Name and Symbol should be printed on the each component.</p> <ol style="list-style-type: none"> <li>1. Cell holder (3 Nos)</li> <li>2. Bulb with holder (3 Nos)</li> <li>3. Lead4mmred 10cm (3 Nos)</li> <li>4. Lead4mmblack 10cm (3 Nos)</li> <li>5. Lead4mmred 25cm (1 No)</li> <li>6. Lead4mmblack 25cm (1 No)</li> <li>7. Push switch (1 No)</li> <li>8. Steel wool (1 No)</li> <li>9. Universal clips (1 No)</li> <li>10. Rheostat (1 No)</li> <li>11. Insulated wire (1 No)</li> <li>12. Electrode holder with 2 carbon rods (1 No)</li> <li>13. Soft iron bar (1 No)</li> <li>14. Compass (1 No)</li> <li>15. Change over switch (1 No)</li> <li>16. Resistance (1 No)</li> <li>17. Diode (1 No)</li> <li>18. Crocodile clips (2 Nos)</li> <li>19. Magnetic Board (1 No)</li> </ol> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided - 5Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature





Annexure - 6

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Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
32	Law of Motion Kit	<p>The Law of Motion Kit should consist of following equipments strictly as per Specifications:</p> <p><b>1. Digital Timer with power Adapter – 1 No.:</b>  <b>Display :</b> 2 line 16x2 Alphanumeric LCD display with backlit.  <b>Time Resolution :</b> 0.1 millisecond.  <b>Interface :</b> USB and Supplied with Adapter.  <b>Measurement Modes :</b> Time, Speed, Accl, and count Mode.  <b>Data Logging :</b> Built-in storage for 99 readings in the measurement modes.</p> <p><b>2. Photogates – 2 No.s:</b> Narrow beam infrared connected directly to Digital Timer.  <b>Accessories :</b> 1b, 2b, 3b and 10b pickets, and mass set.</p> <p><b>3. Dynamic Trolley – 2 No.s :</b> Material : Aluminium; Size : 155 mm X 77 mm X 45 mm (approx); Weight : 680 g (approx). Metallic and Ultra-low friction bearing and tapered wheels. Provision to attach additional load, ticker tape, velcro pads and a plunger for producing impulses and explosions.</p> <p><b>4. Track – 1 No. :</b> Size :120 cm X 12 cm X 5 cm (approx.); Weight : 3.00 Kg (approx). Stainless Steel, low friction with linear grooves for smooth motion of the trolley and pulley at one end and Graduated in mm.</p> <p><b>5. Accessories :</b> Tripod Base – 2 No.s, Boss Head (Bilateral) – 2 No.s, Stand Rod –2 No.s, Masses and Detachable Rod – 1 No., Picket Fence – 1 No.</p> <p><b>Accessories packed in Suitable box having foam cavity.</b>  <b>Installation Manual having List of Experiments, Operating Procedure.</b>  <b>Video Manual having concepts being taught.</b>  <b>(Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b></p>		



Tender No.- KVS (HQ)/ EDP(LAB)/2015

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark	
Instruction Manual (B)	Provided -3 Marks	Not Provided- 0 Mark		
Video Manual (C)	Provided – 3 Marks	Not Provided – 0 Mark		
Total Score (TS) obtained by the Bidder (A+B+C):				

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
33	<b>Biology Model Set for Junior Science Lab</b>			
	DNA Model	It should be Plastic / Fibre moulded and mounted on wooden board.		
	Heart Model	It should be made of Plastic / Fibre glass. It should be dissectable into four parts for easy identification of all parts. Model must show: Right Atrium, Left Atrium, Right Ventricle, Left Ventricle, Superior Vena Cava, Inferior Vena Cava, Aorta, Pulmonary Arteries, Pulmonary Vein, Pulmonary Valve, Mitral Valve, Tricuspid Valve, Aortic Valve. Mounted on a plastic base.		
	Blood Circulatory	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate:- Carotid Artery, Carotid Vein, Arch of Aorta, Brachial Artery, Basilic Vein, Iliac Arteries, Iliac Veins, Femoral Arteries and Femoral Vein. All parts should be numbered for easy identification.		
	Human Excretory System	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate: Kidney, Pelvis of Ureter, Renal Artery, Renal Vein, Calyx, Cortex, Ureter, Urinary Bladder, Trigone, Urethra. Numbered with English key card. Mounted on a wooden board.		
	Human Kidney	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate:- Ureter, Pyramid, Major Calyx, Cortical Substance, Minor Calyx, Artery and Vein, Pelvis & Papilla. Mounted on a wooden board. Mounted on wooden board.		
	Kidney Model, 2 Parts (Dissectible)	It should be of Natural size, made of durable plastic the kidney model should be separated into two parts, longitudinal section with gland, mounted on a stand.		
	Human Teeth	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate: Mandibular Teeth (Incisor-One), Incisor-Two, Canine, Premolar-One, Premolar-Two, Molar-One, Molar-Two, Molar-		



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	Three, Gum, Root Canal and Blood Vessel & Nerves. All parts are numbered for easy identification. Mounted on a wooden base.		
Human Eye Model	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate: Sclera, Cornea, Lens, Muscles, Iris, Retina, Vitreous Humour, Blind Spot, Optic Nerve, Pupil. Numbered with english key card. Mounted on a plastic base.		
Digestive System	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate: Mouth, Teeth, Palate, Tongue, Pharynx, Oesophagus, Stomach, Liver, Gall Bladder, Duodenum, Pancreas, Spleen, Large Intestines, Small Intestines, Appendix and Rectum. All parts are numbered for easy identification.		
Respiratory System	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate: Nasal Septum, Concha, Palate, Tongue, Trachea, Right Primary Bronchus, Left Primary Bronchus, Right Lung, Left Lung, Bronchiole and Diaphragm. All parts are numbered for easy identification. Mounted on a wooden board.		
Animal Cell	It should be made of Plastic / Fibre Glass. Model should be able to demonstrate:- Secretory Granules, Endoplasmic reticulum, Hyaloplasm, Cell Membrane, Mitochondria, Golgi Bodies, Centrosome, Nuclear Membrane, Nucleus, Nucleolus, Vacuole, Tonoplast, Sap, Starch Grains and Fat Droplets. All parts numbered with English key card. Mounted on a wooden base.		
Flower Section Model	It should be made of moulded plastic showing all parts of flower. The whole unit should be situated on a rectangular base. Model clearly shows 5 petals of corolla, 5 sepals of calyx, Ovary and 5 Anthers. All parts should be taken out separately.		
Plant Cell	It should be Made of Plastic / Fibre Glass. Model should be able to demonstrate: -Cell wall, microtubules, plasma, membrane, plasmodermis, chloroplast,		



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mitochondria, golgi complexes, free ribosomes, vacuole, cytoplasmic matrix, smooth endoplasmic reticulum, nucleolus, nucleus and rough endoplasmic reticulum.

To be filled by Department:

**Technical Score (TS):-**

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 10 Marks	(A 95% - 99% ) 4 Marks	(A <95%) 0 Mark
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**Total Score (TS) obtained by the Bidder (A):**

**Stamp**

**Bidder Signature**



केन्द्रीय विद्यालय संगठन

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**Annexure - 6**

**Technical Bid (Bid particular Annexure -6)**

**Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.**

**The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).**

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
34	Analytical Balance	Capacity : 200gm Sensitivity: 0.1mg  Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).		

To be filled by Department:

**Technical Score (TS):-**

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark	
<b>Instruction Manual (B)</b>	Provided - 5Marks	Not Provided- 0 Mark		
<b>Total Score (TS) obtained by the Bidder (A+B):</b>				

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
35	<b>Biology Model set</b>			
	Kidney Model, 2 Parts (Dissectible)	It should be of Natural size, made of durable plastic the kidney model should be separated into two parts, longitudinal section with gland, mounted on a stand.		
	Ear Model, 6X (Dissectible)	Enlarged about 3 times, durable plastic, showing outer and inner ear. The parts of temporal bone and auditory canal are removable. The labyrinth is also removable and opened, on a base.		
	Eye Model, 6X (Dissectible)	Enlarged about 6 times, durable plastic, separated into two hemispheres, 2 removable lens, iris, cornea, vitreous body, mounted on a stand.		
	Spinal Cord	Showing sections of spinal cord. Mounted on board.		
	Fifty Cervical Vertebra	It is found in the neck. Group of seven cervical vertebra are present in the neck. It has a short axis like peg of bone around which the head and atlas pivot during shaking.		
	Human Brain 4 Parts	Made of Plastic / Fibre Glass. All structures are numbered and identified. Various details shown include :- Spinal Cord, Cerebellum, Corpus callosum, Lateral ventricle, Temporal & Frontal lobe, Parietal and occipital lobe, Medulla Oblongata, Thalamus & Pituitary Gland.		
	Elbow Joint	Accurately moulded articulated model on plastic base. Radius and ulna are the two bones of the lower part of the arm. Radius is concerned with bending and straightening of the elbow. Showing radius and ulna. Upper end of ulna grasp the lower end of the humerus.		
	Shoulder Joint	Accurately moulded articulated model on plastic base. Humerus is the bone of the upper arm with a knob like upper end forming a ball to fit into the ball & socket joint of shoulder. Showing humerus, scapula and clavicle.		
	Brain With Arteries, 9 Parts	Natural size, durable plastic with showing the arterial network of vessels. Both halves can be separated into		



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(Dissectible)	following: 2 Temporal and Occipital Lobes, 2- Medulla, 2-Cerebellum, 2 Basilar artery.		
HIP Joint (Ball And Socket Joint)	Accurately moulded articulated model on plastic base. Showing ilium, head of femur (ball) and acetabulum (socket).		
DNA Model	It should be plastic moulded and mounted on wooden board.		

To be filled by Department:

**Technical Score (TS):-**

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 10 Marks	(A 95% - 99% ) 4 Marks	(A <95%) 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A):</b>				

**Stamp**

**Bidder Signature**





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Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
36.1	<b>Biology Experiment Kit With Datalogging</b>			
	Data Logger (1 No):	Hardware: Color touch Screen / Tablet / Laptop based datalogging. Software: Connecting Data Viewing Data Analysing Data Graphing Data Save Data Export		
	Software (1 No)	<b>Software:</b> Collecting Data Viewing Data Graphing Analysing Data Data Save Data Export		
	O2 sensor (1 No)	0 to 25%		
	CO2 sensor (1 No)	Upto 10000 ppm		
	pH sensor (1 No)	0 to 14pH		
	Temperature Probe (1 No)	-30°C to +130°C		
	Gas Pressure sensor (1 No)	Upto 200 kPa		
36.2	<b>Biology Experiment Kit With Datalogging Accessories</b>			
		Clamp and Ring stand (1 No)		
		Aluminum foil (1 No)		
		Ring Lamp (1 No)		
		String (1 No)		
		1L & 600 mL Beaker (1 No)		
		4 nos of 10x100 mm test tube with rack (1 No)		
		Thermometer (1 No)		
		Pipette 5 ml (1 No)		
		Meter stick (1 No)		
		One hole Rubber stopper assembly (1 No)		
		Pencil (1 No)		



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	100 ml Beaker (1 No)		
	10 ml pipette (1 No)		
	<b>Accessories packed in Suitable box having foam cavity.          Installation Manual having List of Experiments, Operating Procedure.          Video Manual having concepts being taught.          (Instruction Manual &amp; Video Manual to be supplied with Technical Bid)</b>		

To be filled by Department:

**Technical Score (TS):-**

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark	
<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark		
<b>Video Manual (C)</b>	Provided – 3 Marks	Not Provided – 0 Mark		
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>				

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
37	PH Meter Hand Held	<p><b>Should be as per following Specification:</b>            Display: 3½digit LCD            Ranges: pH 0 to 14.00            Resolution: pH 0.01            Working voltage: 9V Battery            Temperature Compensation : Manual 0 to 100°C            Working Voltage: 9V battery            Dimensions: 85 x 165 x 28mm.            Sensor: Combined pH electrode            Provided with 4 &amp; 7 pH buffer tablets, buffer bottles and combination pH electrode.</p> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99%) 2 Marks	(A < 95%) 0 Mark
Instruction Manual (B)	Provided - 5Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



Tender No.- KVS (HQ)/ EDP(LAB)/2015

Annexure - 6

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
38	Proscope HR	<b>TECHNICALSPECIFICATIONS:</b> Image sensor: high resolution 1.3 megapixel sensor Connection type:USB Image capture & Video capture <b>Accessories packed in Suitable box having foam cavity.</b> <b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided - 5Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
39	Digital Zoom Stereo Microscope	Digital Zoom Stereo Microscope with integrated camera, software and USB connection to a PC. Provided with USB port,DC-12 V port(CCD power supply) and Video port (Video signal output). <b>TECHNICAL SPECIFICATIONS:</b> Eye piece : WF 10x Eye piece total magnification : 7x-45x Eye piece tube : Binocular,inclined 45° Pupil Distance : 55mm-75mm Objective magnification : 0.7x-4.5x Upper light : Fluorescent lamp 8W Focussing : Wheel tightness adjustable, moving range 60mm View field : $\phi$ 5mm - $\phi$ 30 mm <b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
<b>40.1</b>	<b>Chemistry kit with Datalogging</b>			
	Data Logger (1 No)	Hardware: Color touch Screen / Tablet / Laptop based datalogging. Software: Connecting Data Viewing Data Analysing Data Graphing Data Save Data Export		
	Software (1 No)	Software: Collecting Data Viewing Data Graphing Analysing Data Data Save Data Export		
	Temperature sensor (2 Nos)	-30°C to +130°C		
	pH sensor (1 No)	0 to 14 pH		
	Gas pressure sensor (1 No)	Upto 200 kPa		
	Conductivity Probe (1 No)	0 to 20000 $\mu$ S/cm		
	Voltage Probe (1 No)	-25V to +25V		
<b>40.2</b>	<b>Chemistry kit with Datalogging Accessories</b>			
		Glass & Plastic accessories kit (1 No)		
	Calorimeter Joule's	To determine the specific heat capacity of a liquid by electrical heating. It consists of an electroplated copper calorimeter. A thermometer and a stirrer can be clamped to a PVC lid provided with it. Connections are made using 4mm sockets connected to a heating coil. Thermometer is not included in the scope of supply. Outer vessel: 7.6cm dia., 9 cm height		



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approx. Inner vessel : 6 cm dia , 8.5 cm height approx.		
Clamp & Ring Stand (1 No)		
Food holder (1 No)		
Spatula (1 No)		
Alcohol Burner & Candle (1 No)		
3"x5" index Card (1 No)		
Thermometer (1 No)		
Test Tube Rack (1 No)		
18x150 mm test tube (4 Nos)		
Test Tube Clamp (1 No)		
Rubber stopper assembly (1 No)		
Syringe 20 ml (1 No)		
Hot plate (1 No)		
Ring with clamp (1 No)		
Plastic Tubing with two connectors (1 No)		
Two 125 ml Erlenmeyer flasks (1 No)		
Glove (1 No)		
Wash bottle (1 No)		
Magnetic stirrer (1 No)		
Stand with base (1 No)		
Bosshead double (2 Nos)		
50 ml burette (1 No)		
Test tubes (7 Nos)		
Test Tube Rack (1 No)		
Red and blue litmus paper (1 No)		
Stirring rod (1 No)		
250 ml Beaker (1 No)		
Phenolphthalin indicator (1 No)		
HCL solution (1 No)		
60 ml Reagent Reservoir (1 No)		
5 ml Pipet (1 No)		
10 ml graduated cylinder (1 No)		
<b>Accessories packed in Suitable box having foam cavity. Installation Manual having List of Experiments, Operating Procedure. Video Manual having concepts being taught. (Instruction Manual &amp; Video Manual</b>		



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to be supplied with Technical Bid)

To be filled by Department:

Technical Score (TS):-

<b>Compliance to Technical Specifications (A):</b>	(A > 99%) 4 Marks	(A 95% - 99% ) 2 Marks	(A <95%) 0 Mark
<b>Instruction Manual (B)</b>	Provided -3 Marks	Not Provided- 0 Mark	
<b>Video Manual (C)</b>	Provided – 3 Marks	Not Provided – 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B+C):</b>			

Stamp

Bidder Signature





Annexure - 6

Tender No.- KVS (HQ)/ EDP(LAB)/2015

Technical Bid (Bid particular Annexure -6)

Note: Bidder should provide line by line Technical Commentary complying to Specifications and state deviation clearly.

The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).

S.No.	Item Name	Tender Specifications	Quoted Specifications.	Deviation if Any
41	Distillation Set	<p><b>Distillation Set should consist of following components:</b></p> <ol style="list-style-type: none"> <li>1. Fractionating column, 24/29, 24/29 (1 No)</li> <li>2. Double neck flask, capacity 1000ml (24/29, 24/29) (1 No)</li> <li>3. Liebig condensor, 24/29, 24/29 (1 No)</li> <li>4. Burner (1 No)</li> <li>5. Distill head (1 No)</li> <li>6. Screw cap adapter 14/23 (1 No)</li> <li>7. Receiving adapter, 24/29 (1 No)</li> <li>8. Receiving flask, 500ml, 24/29 (1 No)</li> <li>9. Thermometer 0 C to 150°C (1 No)</li> <li>10. Thermometer 0 C to 360°C (1 No)</li> <li>11. Stand with clamp and bosshead (2 Nos)</li> <li>12. Rubber tubing (1set)</li> </ol> <p><b>Installation Manual having List of Experiments, Operating Procedure. (Instruction Manual to be supplied with Technical Bid).</b></p>		

To be filled by Department:

Technical Score (TS):-

Compliance to Technical Specifications (A):	(A > 99%) 5 Marks	(A 95% - 99% )2 Marks	(A <95%) 0 Mark
Instruction Manual (B)	Provided – 5 Marks	Not Provided- 0 Mark	
<b>Total Score (TS) obtained by the Bidder (A+B):</b>			

Stamp

Bidder Signature



**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

**ANNEXURE-7**

**7.7 BID LETTER (TECHNICAL BID)**

To,  
The Commissioner,  
Kendriya Vidyalaya Sangathan,  
18, Institutional Area,  
Shaheed Jeet Singh Marg,  
New Delhi - 110 016.

Ref: Tender KVS (Hq.) EDP(LAB)/2015

Sir,

We declare.

- i) That we have complete knowledge in implementing the project under reference
- ii) That we/our principals are equipped with adequate manpower/machinery /technology for providing the services as per the parameters laid down in the Tender Document and we are prepared for live/technical demonstration of our capability and preparedness before the representatives of Kendriya Vidyalaya Sangathan.

We hereby offer to provide the Services at the prices and rates mentioned in the Commercial Bid.

1. Schedule for Providing Services We do hereby undertake, that, in the event of acceptance of our bid, the Services shall be provided as stipulated in the schedule to the Bid document and that we shall perform all the incidental services.
2. We enclose herewith the complete Technical Bid as required by you, This includes:
  - a. Details of the job undertaken as per scope of work.(Annexure-1 )
  - b. Acceptance of terms & conditions contained in the tender documents (Annexure-4)
  - c. Bid Particulars (Annexure-6)
  - d. Bid Letter (Annexure-7)
  - e. Soft Copy of the presentation on CD/DVD/Pen Drive (2 set each)
  - f. Detailed Instruction manual incorporating List of Experiments and operating procedure for these Experiments (wherever asked in Annexure -6).
  - g. Video Presentation explaining concepts being taught (wherever asked in Annexure-6)
  - h. ISO Certificate
  - i. Declaration regarding Electrical Safety Standards (Annexure -8).
3. We agree to abide by our offer for a period of 120 days from the date fixed for opening of the Technical Bids and that we shall remain bound by a communication of acceptance within that time.
4. We have carefully read and understood the terms and conditions of the tender and the conditions of the contract applicable to the tender and we do hereby undertake to provide services as per these terms and conditions. The deviations from the Terms of Reference are only those mentioned.
5. Certified that the Bidder is a company and the person signing the tender is the duly constituted attorney.



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- 6 Bid Security (Earnest Money) for an amount equal to Rs, 40,000,00/- (Rupees Fourty Lakhs Only) is enclosed in the Cover containing the letter for Pre-qualifying Requirements.
- 7 We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof or placement of letter of intent awarding the Contract, shall constitute a binding contract between us.

Date: \_\_\_\_\_

Signature of Bidder

Full Address:

Telephone No

Fax No



Annexure -8

Tender No.- KVS (HQ)/ EDP(LAB)/2015

**DECLARATION REGARDING ELECTRICAL SAFETY STANDARDS**

To,  
The Commissioner,  
Kendriya Vidyalaya Sangathan.  
18, Institutional Area,  
Shaheed Jeet Singh Marg,  
New Delhi - 110 016.

Sir,

We hereby declare that we ("**Name of the Company**") having address (**address of the Company**) have equipment and in house testing facility to conduct High Voltage Test (At 1.5KV), Earth Test (at 25Amp) and Insulation Test (at 1000 Volts) for ensuring Safety standards for Mains Operated Equipment.

Signature of the Bidder

Date:

Place:

Stamp:



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**ANNEXURE -9**

**FINANCIAL BID**

**Note: The Bidder shall supply each item to 200 Nos of Schools as per Annexure (10).**

ITEM NO	ITEM NAME	UNIT PRICE	QUANTITY	AMOUNT (FOR DESTINATION)
1.	Van-De-Graff Generator Kit		1 No.	
2.	Capacitance Demonstration Kit		1 No.	
3.	Diode Laser Kit		1 No.	
4.	Demonstration Meter Kit		1 No.	
5.	Transformer Kit		1 No.	
6.1	Physics Experiment Kit with datalogging		1 No.	
6.2	Physics Experiment Kit with datalogging Accessoreis		1 No.	
7.	Digital Meter		1 No.	
8.	Westminster Kit		1 No.	
9.	Newton's Second Law Apparatus		1 No.	
10	Hydraulic Press		1 No.	
11	Projectile Launcher		1 No.	
12	Magnetizing/Demagnetizing Coil		1 No.	
13	Electrostatic Kit		1 No.	
14	Field Lines And Equipotential Lines		1 No.	
15	Dia- Para- And Ferromagnetism		1 No.	
16	Force Table		1 No.	
17	Ring Launcher		1 No.	
18	Compact Wave Tank		1 No.	
19	Ray Optics Kit		1 No.	
20	Laser Ray Kit		1 No.	
21	Bell Experiment		1 No.	
22	Law Of Resistance Board		1 No.	
23	Optics Kit		1 No.	
24	Melting Point Apparatus		1 No.	
25	Kit For Magnetism Experiments		1 No.	
26	Mechanics Kit		1 No.	
27	Free Fall Apparatus		1 No.	
28	Linear Air Track With Timer		1 No.	
29	Electricity Kit		1 No.	
30	Heat And Thermometer Kit		1 No.	
31	Basic Electricity Kit		1 No.	



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32	Law of Motion Kit	1 No.
33	Biology Model Set for Junior Science Lab	1 No.
34	Analytical Balance	1 No.
35	Biology Model Set	1 No.
36.1	Biology Experiment Kit with Datalogging	1 No.
36.2	Biology Experiment Kit with Datalogging Accessories	1 No.
37	pH Meter Hand Held	1 No.
38	Proscope Hr	1 No.
39	Digital Zoom Stereo Microscope	1 No.
40.1	Chemistry kit with Datalogging	1 No.
40.2	Chemistry kit with Datalogging Accessories	1 No.
41	Fractional Distillation Set	1 No.
	<b>Total Amount:</b>	

We declare that prices quoted are inclusive of all Taxes/ VAT/ Duties/ Cess / Customs/ Octroi / Loading/ Installation/ Bank Charges/ Service Tax etc. as applicable. FOR delivery at site destination (Annexure 10). C Form will not be issued.

Stamp

Bidder Signature



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ANNEXURE -10

List of selected schools for the modernization of Labs in (1<sup>st</sup> phase)

S.No.	Region	S. No.	Name & address of KVs
1	TINSUKIA	1	Kendriya Vidyalaya Chabua AFS, Chabua P.O:- Chabua Air Field Dist: Dibrugarh (Assam) Pin-786102
2	TINSUKIA	2	Kendriya Vidyalaya Khatkhati GC, CRPF, Khatkhati, Post- Gautam Basti, Via-Bokajan, Distt- Karbi Anglong, State- Assam Pin- 782480
3	TINSUKIA	3	Kendriya Vidyalaya Lokra P.O : Lokra, Sonitpur Assam - 784102
4	TINSUKIA	4	Kendriya Vidyalaya Missamari P.O. Missamari, Distt. Sonitpur Pin – 784506 Assam
5	TINSUKIA	5	Kendriya Vidyalaya Namrup P.O - Parbatpur, Dist - Dibrugarh- 786623 Assam
6	TINSUKIA	6	Kendriya Vidyalaya Pasighat Pasighat District : East Siang Arunachal Pradesh : 791102
7	TINSUKIA	7	Kendriya Vidyalaya ONGC Sivasagar, Dist – Sivas agar, Assam PIN – 785640
8	TINSUKIA	8	Kendriya Vidyalaya No.2, Air Force Station Tezpur Post Office : Salonibari District : Sonitpur Assam PIN : 784104
9	VARANASI	1	Kendriya Vidyalaya, COD CHHEOKI ALLAHABAD- 212105
10	VARANASI	2	Kendriya Vidyalaya, IFFCO, PHULPUR Ghiyanagar Allahabad-212404
11	VARANASI	3	Kendriya Vidyalaya, AZAMGARH Heerapatti Dist- Azamgarh-277601
12	VARANASI	4	Kendriya Vidyalaya, BALLIA, P.O Zeerabasti Dist- Ballia-277001
13	VARANASI	5	Kendriya Vidyalaya, BASTI, PO Ganeshpur Dist- Basti-272001



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14	VARANASI	6	Kendriya Vidyalaya, CHOPAN, Dist Sonbhadra-231205
15	VARANASI	7	Kendriya Vidyalaya, MUGHALSARAI Dist Chandauli-232104
16	VARANASI	8	Kendriya Vidyalaya, NTPC, RIHAND NAGAR Dist-Sonbhadra-231223
17	BANGALORE	1	Kendriya Vidyalaya, Amalapura Village, Near Second Petrol pump, Off. Koratogere Road, Arakere Post, N.R.Extn., Tumkur- 572106
18	BANGALORE	2	Kendriya Vidyalaya, No.2 Jalahalli East, Bangalore - 560014
19	BANGALORE	3	Kendriya Vidyalaya, Ponda, Goa- 403401
20	BANGALORE	4	Kendriya Vidyalaya No.1 AFS Jalahalli West, Bangalore - 560015
21	BANGALORE	5	Kendriya Vidyalaya, Hassan, Arasikere Road, B.Kathihalli, Hassan - 573201
22	BANGALORE	6	Kendriya Vidyalaya, Donimalai - 583118 Bellary Dist.
23	BANGALORE	7	Kendriya Vidyalaya, Dharward, Near Someswara Temple Road, Dharward- 580002
24	BANGALORE	8	Kendriya Vidyalaya No.1 Mangalore, PO, Panambur, Mangalore- 575010
25	BHUBANESWAR	1	Principal, KV No. 2, BhubaneswarCRPF Campus, Group Centre, Bhubaneswar-751011, Odisha
26	BHUBANESWAR	2	Principal, KV No. 4, Bhubaneswar Neeladri Vihar, PO-Sailasree Vihar, Bhubaneswar-751021, Odisha
27	BHUBANESWAR	3	Principal, KV, Khurda Road Khurda Road, At/Po Jatni, Dist.Khurda, Odisha-752050
28	BHUBANESWAR	4	Principal, KV, Puri At Talabania, PO/Dist- Puri, Odisha-752002
29	BHUBANESWAR	5	Principal, KV, Gopalpur Military Station, Gopalpur Military Station, PO- Golabandha, Dist-Ganjam, Odisha-761052





केन्द्रीय विद्यालय संगठन

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30	BHUBANESWAR	6	Principal, KV, Angul, Gandhi Marg, Angul-759122, Odisha
31	BHUBANESWAR	7	Principal, KV, Dhenkanal At:Banamaliprasad,PO Mangalpur,Via - Bhapur, Dist - Dhenkanal, Odisha
32	BHUBANESWAR	8	Principal, KV, Waltair,Thatichetlapalem, Behind Andhra Jyothi, Visakhapatnam-530016, Andhra Pradesh
33	BHOPAL	1	Kendriya Vidyalaya Bairagarh, 3, E.M.E. Centre, Bairagarh, Bhopal (M.P.)
34	BHOPAL	2	Kendriya Vidyalaya Barwaha, Near C.I.S.F Campus, Jayantimata Road,Barwaha-451115 (M.P)
35	BHOPAL	3	Kendriya Vidyalaya No.3,Bhopal Danish Nagar, Hoshangabad Road, Bhopal -462026
36	BHOPAL	4	Kendriya Vidyalaya Bina Near Railway Station, Bina, Distt. - Sagar, M.P., Pin Code: - 470113
37	BHOPAL	5	Kendriya Vidyalaya Dewas BNP, DEWAS DEWAS District Madhya Pradesh-455001
38	BHOPAL	6	Kendriya Vidyalaya Dhar, Chanakya Puri, DHAR (M.P.)
39	BHOPAL	7	Kendriya Vidyalaya, Guna NanaKhedhi Guna (M.P.) 473001
40	BHOPAL	8	KENDRIYA VIDYALAYA,Hoshangabad SECURITY PAPER MILL, HARDA ROAD HOSHANGABAD(M.P.)
41	DEHRADUN	1	Birpur, K.V. Birpur Cantt, Dehradun-248003, Uttrakhand
42	DEHRADUN	2	FRI Dehradun, K.V. FRI, P.O. New Forest, Dehradun-248006, Uttrakhand



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43	DEHRADUN	3	Joshimath, K.V. Joshimath, ITBP Campus, Sunil, Joshimath, Distt.Chamoli-246443,Uttarakhand
44	DEHRADUN	4	Kausani, K.V. Kausani, GIC Area, Distt-Bageshwar, Uttarakhand
45	DEHRADUN	5	Merthi, K.V. ITBP Merthi, Distt- Pithoragarh-262550, Uttarakhand
46	DEHRADUN	6	Muzaffarnagar Shift I, K.V. Muzaffarnagar (1 Shift), DIET Campus, Circular Road, Muzaffarnagar-251001, U.P.
47	DEHRADUN	7	Roorkee No. 2, K.V. No.2, BEG&C, Roorkee-247667, Uttarakhand
48	DEHRADUN	8	Sarsawa AFS, K.V. AFS Sarsawa, Distt. Saharanpur-247232, U.P.
49	DELHI	1	Andrews Ganj, New Delhi
50	DELHI	2	Gole Market , New Delhi
51	DELHI	3	Greater Noida (UP)
52	DELHI	4	INA Colony, New Delhi
53	DELHI	5	Keshavpuram, Delhi
54	DELHI	6	Masjid Moth, New Delhi
55	DELHI	7	Paschim Vihar, New Delhi
56	DELHI	8	Pitampura, Delhi
57	DELHI	9	Pragati Vihar, New Delhi
58	DELHI	10	Pushp Viha , New Delhi
59	ERNAKULAM	1	KV Adoor
60	ERNAKULAM	2	KV No.1, Palakkad



**Tender No.- KVS (HQ)/ EDP(LAB)/2015**

61	ERNAKULAM	3	KV, Kanjikode
62	ERNAKULAM	4	KV2, NAVAL BASE, KOCHI
63	ERNAKULAM	5	KV Port Trust
64	ERNAKULAM	6	KV Kannur
65	ERNAKULAM	7	OTTAPPALAM
66	ERNAKULAM	8	NAD ALUVA
67	HYDERABAD	1	KV No.1 AFA Hyderabad, Dundigal, Hyderabad - 500 043
68	HYDERABAD	2	KV CRPF Hyderabad, Barkas, Hyderabad - 500 005
69	HYDERABAD	3	KV NPA Shivrampally, Hyderabad - 500 052
70	HYDERABAD	4	KV Gachibowli, GPRA Quarters, Indira Nagar(PO), Hyderabad - 32
71	HYDERABAD	5	KV AFS Begumpet, Bowenpally(PO), Hyderabad - 500 011
72	HYDERABAD	6	KV Warangal, Manikonda(PO), Hanamkonda(Mandal), Warangal - 506 142
73	HYDERABAD	7	KV Khammam, Polepally(Vill), Opp. Karunagiri, Khammam - 507 003
74	HYDERABAD	8	KV Kurnool, Nandhyal Road, Nandhyal Check Post, B Camp(PO), Kurnool - 518 002
75	JAMMU	1	Kendriya Vidyalaya Leh Ladakh (J&K)-194101
76	JAMMU	2	Kendriya Vidyalaya No 2 Srinagar Air Force Station New Airport Srinagar Srinagar (J&K)-190007
77	JAMMU	3	Kendriya Vidyalaya No 1 Udhampur PO- Garhi District : Udhampur (J&K)-182121



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78	JAMMU	4	Kendriya Vidyalaya Nagrota Jammu (J&K)-181221
79	JAMMU	5	Kendriya Vidyalaya Sunjwan PO-Sainik Colony Jammu (J&K)-180011
80	JAMMU	6	Kendriya Vidyalaya Bantalab CRPF GC, Bantalab Jammu (J&K)-181124
81	JAMMU	7	Kendriya Vidyalaya No 3 Pathankot PO: Mamoon Cantt Pathankot (Pb)-145001
82	JAMMU	8	Kendriya Vidyalaya No 3 Amritsar PO _ Naryangarh New Amritsar Cantt (Pb)-143006
83	KOLKATA	1	ASANSOL, DIST. - BURDWAN
84	KOLKATA	2	KALAIKUNDA NO., MIDNAPUR (W).
85	KOLKATA	3	DUM DUM O.F., KOLKATA-28
86	KOLKATA	4	GARDEN REACH, KOLKATA-24
87	KOLKATA	5	KANCHRAPARA NO.1, 24-PGS(N)
88	KOLKATA	6	PANAGARH, DIST. - BURDWAN
89	KOLKATA	7	BAMANGACHI, HOWRAH.
90	KOLKATA	8	COMMAND HOSPITAL, KOL-27
91	MUMBAI	1	KV NAD Karanja, Post Taluran Raigad Dist.
92	MUMBAI	2	KV Solapur, Near Solapur Cnetral Railway Institu Bhayya chowk Solapur Dist
93	MUMBAI	3	KV Aurangabad Near Nagar Naka Aurangabad Cantonment
94	MUMBAI	4	KV AFS Ojhar, Air force station ojhar, Niphaq Taluq, Nasik dist
95	MUMBAI	5	KV MIRC Ahmednagar, MIRC Solapur Road Ahmednagr
96	MUMBAI	6	KV No.3 colaba INS Kunjali, Near RC Church, Colaba, Mumbai
97	MUMBAI	7	KV INS Hamla, Malad West Mumbai
98	MUMBAI	8	KV 9BRD Pune, BRD AF station opp. Chandan Nagar, Pune



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99	PATNA	1	KV Ara , Zero Mile, PO- Anaith, Ara, Distt. Bhojpur
100	PATNA	2	KV, A.F.S. Bihta, Distt. Patna - 801103
101	PATNA	3	KV, AFS, Darbhanga, PO; PTC, Distt. Darbhanga - 846005
102	PATNA	4	KV, Garhara, Distt. Begusarai - 851126
103	PATNA	5	KV No. 1 Gaya, Rajendra Memorial Building, Bageshwari Road, Gaya - 823001
104	PATNA	6	KV No.2, Gaya, ASC Centre (North), Paharpur, Gaya - 823005
105	PATNA	7	KV, Jawaharnagar, PO: Sutihara, Via- Sursand, Distt. Sitamarhi - 843331
106	PATNA	8	KV, Kahalgaon, NTPC, KSTPPS, Distt. Bhagalpur - 851125
107	RAIPUR	1	BALAGHAT, KENDRIYA VIDYALAYA, BALAGHAT BHARVELI, P.O & DISTT.-BALAGHAT PIN-481102 (M.P)
108	RAIPUR	2	BARGARH, KENDRIYA VIDYALAYA, BARGARH RMC CAMPUS, BARGARH-768038 (ODISHA)
109	RAIPUR	3	BHAWANIPATNA ,KENDRIYA VIDYALAYA BHAWANIPATNA, DISTT.-KALAHANDI-766001 (ODISHA)
110	RAIPUR	4	BMY BHILAI, KENDRIYA VIDYALAYA, BHILAI POST- BHILAI, DISTT-DURG -490025 (CG)
111	RAIPUR	5	BOLANGIR NO.1, KENDRIYA VIDYALAYA NO.1, BOLANGIR ORDANCE FACTORY PO. BADMAL-767070 (ODISHA)
112	RAIPUR	6	DANDEWARA, KENDRIYA VIDYALAYA, DANTEWARA DISTT.DANTEWARA-494449 (CG)
113	RAIPUR	7	KHAIRAGARH, KENDRIYA VIDYALAYA, KHAIRAGARH DISTT. RAJNANDGAON-491881 (CG)
114	RAIPUR	8	MAHASAMUND, KENDRIYA VIDYALAYA, MAHASAMUND B.T.I, ROAD, DISTT. MAHASAMUND-493445 (CG)
115	SILCHAR	1	Kendriya Vidyalaya ONGC Agartala, Project Agartala, Pin - 799003
116	SILCHAR	2	Kendriya Vidyalaya Karimganj, Nilmoni Road, Karimganj, Pin - 788710



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117	SILCHAR	3	Kendriya Vidyalaya Lumding, NF Railway, Lumding , Assam, Pin - 782447
118	SILCHAR	4	Kendriya Vidyalaya, AFS Kumbhirgram, Dist. Cachar, Assam, Pin - 788109
119	SILCHAR	5	Kendriya Vidyalaya, NIT Silchar, NIT Campus, (REC), Silchar - 788010
120	SILCHAR	6	Kendriya Vidyalaya Kailashahar, Govindpur, Kailashahar, Distt. Unakoti, Tripura, Pin - 799277
121	SILCHAR	7	Kendriya Vidyalaya Panisagar, BSF Campus, North Tripura, Pin - 799260
122	SILCHAR	8	Kendriya Vidyalaya, Bagafa, BSF Campur, PO - Santir Bazar, south Tripura, Prin- 799144
123	AGRA	1	KV, No 2 Agra Cantt, Akbar Road, Opposite COD Mess, Agra Cantt, Agra
124	AGRA	2	KV No. 3, WAC Line, Agra Cantt, Agra - 282001
125	AGRA	3	KV, Aligarh, Ram Ghat Road, Devsaini Aligarh (UP) - 202001
126	AGRA	4	KV NTPC, Anta, Distt. Baran, Pin - 325209 (Raj)
127	AGRA	5	KV, BABINA CANTT, Babina, Distt. Jhansi, PIN 284401 (U.P)
128	AGRA	6	Kendriya Vidyalaya Baran, Kota Road, Baran - 325205 (Rajasthan)
129	AGRA	7	KV, Bharatpur, Near STC, Ricco Road, Bharatpur (Raj.)
130	AGRA	8	KV, Bhind, Lahar Road Near ITI Bhind (MP) Pin- 477001
131	GURGAON	1	Kendriya Vidyalaya Karnal-132001(Haryana)
132	GURGAON	2	Kendriya Vidyalaya Rewari-123401(Haryana)
133	GURGAON	3	Kendriya Vidyalaya Paluwas, Bhiwani- 127021(Haryana)
134	GURGAON	4	Kendriya Vidyalaya No.1 AFS Sirsa, Dabwali Road, Sirsa-125055(Haryana)
135	GURGAON	5	Kendriya Vidyalaya No.2 Ferozepur- 152001(Punjab)
136	GURGAON	6	Kendriya Vidyalaya NSG Manesar- 122051(Haryana)



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137	GURGAON	7	Kendriya Vidyalaya Rajokri, New Delhi-110038(Haryana)
138	GURGAON	8	Kendriya Vidyalaya Sec-5 Dwarka, New Delhi-110075
139	JABALPUR	1	KV OF BHANDARA & The Principal Kendriya Vidyalaya OF Bhandara, Bhandara-441906 (MS)
140	JABALPUR	2	KV OF CHANDA & The Principal Kendriya Vidyalaya OF Chanda, Dist. Chandrapur-442501(MS)
141	JABALPUR	3	KV CHATARPUR & The Principal Kendriya Vidyalaya Chhatarpur , Sagar Road, Chhatarpur-471001(MP)
142	JABALPUR	4	KV DHANA & The Principal Kendriya Vidyalaya Dhana Army Camp. Distt- Sagar (MP) Dhana-470228
143	JABALPUR	5	KV PULGAON & The Principal Kendriya Vidyalaya Pulgaon , Carriappa Road, Pulgaon Camp, Dist. Wardha -442302(MS)
144	JABALPUR	6	KV COD ,JABALPUR & The Principal Kendriya Vidyalaya COD Via. Gokalpur,Jabalpur-482010(MP)
145	JABALPUR	7	KV NO 2 GCF, JABALPUR & The Principal , Kendriya Vidyalaya No. 2 Jabalpur, GCF Estate , Upper line , Jabalpur-482011 ( MP)
146	JABALPUR	8	KV VF , JABALPUR & The Principal Kendriya Vidyalaya Vehicle Factory , Jabalpur -482009 ( M.P)
147	LUCKNOW	1	Budaun
148	LUCKNOW	2	Balrampur
149	LUCKNOW	3	Barabanki
150	LUCKNOW	4	Bareilly, AFS
151	LUCKNOW	5	Bareilly, JLA
152	LUCKNOW	6	Bareilly, NER
153	LUCKNOW	7	Faizabad Cantt



केन्द्रीय विद्यालय संगठन

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154	LUCKNOW	8	Fatehgarh RRC
155	LUCKNOW	9	Kanpur Cantt
156	AHMEDABAD	1	Kendriya Vidyalaya, Nr.Hanuman Mandir, <b>AHMEDABAD CANTT</b> , Ahmedabad-380 003(Guj)
157	AHMEDABAD	2	Kendriya Vidyalaya No.3, P.O CRPF, <b>GANDHINAGAR CANTT-</b> 382 042(Guj)
158	AHMEDABAD	3	Kendriya Vidyalaya, Kalawad Road, <b>RAJKOT-</b> 360 005 (Guj)
159	AHMEDABAD	4	Kendriya Vidyalaya, <b>BSF DANTIWADA</b> , Distt.Banaskantha - 385 505 (Guj)
160	AHMEDABAD	5	Kendriya Vidyalaya, <b>New Rly Colony</b> , <b>Sabarmati</b> ,Ahmedabad - 380 019(Guj)
161	AHMEDABAD	6	Kendriya Vidyalaya, Govt.Higher Secondary School Campus, Takurkhada, <b>SILVASSA-</b> 396 230 (UT)
162	AHMEDABAD	7	Kenriya Vidyalaya <b>No.1, Harni Road</b> , <b>Baroda</b> -390 006(Guj)
163	AHMEDABAD	8	Kenddriya Vidyalaya, <b>ONGC</b> <b>ANKLESHWAR</b> ,Ankleshwar - 390 010(Guj)
164	GUWAHATI	1	KV, CRPF Amerigog, 9th Mile, PO-Amerigog, Dist- Kamrup, Assam, Guwahati-781023,
165	GUWAHATI	2	Goalpara, JTS Bldg. P.O. -Beltala Baladmari, Goalpara, Assam-7783121.
166	GUWAHATI	3	Mangaldai, Block Chowk, Rangamati Mouza, P.O.Mangaldai, Distt. Darrang (Assam), Pin - 784125
167	GUWAHATI	4	Upper Shillong, PO Nonglyer, East Khasi Hills , Shillong- 793009.
168	GUWAHATI	5	Tengavalley, PO-Tengavalley, Dist-West Kameng(A.P.), Pin-790116.
169	GUWAHATI	6	Bengdubi, P.O.- Bengdubi, Dist Darjeeling, (West Bengal) Pin -734424.
170	GUWAHATI	7	Khaprail(Sukna), PO-Sukna, Dist-Darjeeling, (West Bengal), Pin-734009.





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171	RANCHI	1	KV, Bokaro No. 3, Railway Station Road, Railway Colony, Bokaro Steel City, Dist-Bokaro, Pin-827010 (Jharkhand)
172	RANCHI	2	KV, Chakradharpur, Dist- West Singhbhum, Pin-833102 (Jharkhand)
173	RANCHI	3	KV, Dhanbad No. 1, Vinod Nagar, Dist- Dhanbad, Pin-826001
174	RANCHI	4	KV, Gomoh, Post- Gomoh, Dist-Dhandbad, Pin-828401 (Jharkhand)
175	RANCHI	5	KV, Hazaribagh, BSF Meru Camp, Dist-Hazaribagh, Pin-825317 (Jharkhand)
176	RANCHI	6	KV, Latehar, Post-Latehar, Dist-Latehar, Pin-829206 (Jharkhand)
177	RANCHI	7	KV, Patratu, Post- Diesel Colony, Patratu, Dist-Ramgarh, Pin-829120 (Jharkhand)
178	RANCHI	8	KV, Ramgarh Cantt, Post- SRC, Dist- Ramgarh, Pin-829122
179	JAIPUR	1	AFS, Uttarlai, Air Force Station, Uttarlai - 344035 Distt. Barmer.
180	JAIPUR	2	No. 1, Army, Jodhpur, Military Area, Jodhpur - 342010.
181	JAIPUR	3	No. 5, Jaipur , Madhyam Marg, Sector-7, Mansarovar, Jaipur- 302020.
182	JAIPUR	4	No. 2, Bikaner, Inside Army Contonment Area, P.O. Udasar, Bikaner - 334022.
183	JAIPUR	5	AFS Jaisalmer - 345001.
184	JAIPUR	6	No.1 AFS Suratgarh, Air Force Station, Suratgarh-335804 Distt.Sriganganagar.
185	CHANDIGARH	1	No.1, Hussainpur
186	CHANDIGARH	2	Kapurthala Cantt
187	CHANDIGARH	3	No.1, Halwara
188	CHANDIGARH	4	No.3, Ambala
189	CHANDIGARH	5	Palampur



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190	CHANDIGARH	6	Jakhoo Hills, Shimla
191	CHANDIGARH	7	Dharamshala Cantt
192	CHANDIGARH	8	Sec-29, OCF, Chandigarh
193	CHENNAI	1	KENDRIYA VIDYALAYA, Naval Base (P.O) - 627 119, Vijayanarayanam Nanguneri Taluk, Tirunelveli District
194	CHENNAI	2	KENDRIYA VIDYALAYA SIVAGANGA Srinivasa Nagar, Panangadi Road, Sivaganga - 630 561
195	CHENNAI	3	Kendriya Vidyalaya, Aruvankadu, Cordite Factory , Post Office - Aruvankadu, District - The Nilgiris, Tamilnadu
196	CHENNAI	4	KENDRIYA VIDYALAYA, DHARMAPURI, PALLAKOLLAI VILLAGE, (MORAPPUR MAIN ROAD) SETTIKARAI (POST), DHARMAPURI, TAMILNADU-636704
197	CHENNAI	5	KENDRIYAVIDYALAYA, CECRI CAMPUS,KARAIKUDI, SIVAGANGAI DISTRICT - 630006, TAMILNADU
198	CHENNAI	6	Kendriya Vidyalaya, Mandapam, CMFRI, Marine Fisheries Post, Mandapam Camp, Dist : Ramanathapuram, Tamilnadu - 623520.
199	CHENNAI	7	Kendriya Vidyalaya No.2 HAPP Trichy 620 025
200	CHENNAI	8	Kendriya Vidyalaya No.2, Pondicherry University Campus, Kalapet, Pondicherry 605014.