

Government of West Bengal
Office of the Principal,
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur, Pin No.- 721 133
Tele/Fax: 03229 205020
E-mail: skbp.keshiary@gmail.com

NIT No:SKBP/02

Date: 24/04/23

NOTICE INVITING E-TENDER FOR SUPPLY, INSTALLATION & COMMISSIONING OF DEVICES, EQUIPMENTS, INSTRUMENTS, MACHINERIES, TOOLS ETC. FOR ELECTRICAL ENGINEERING, RENEWABLE ENERGY ENGINEERING AT SIDHU KANHU BIRSA POLYTECHNIC, KESHIARY.

(Through Pre-qualification)
(Submission of Bid through *online*)

The Principle-in-Charge, of Sidhu Kanhu Birsa Polytechnic, Keshiary invites e-tender from Manufacturers or their Authorized Distributor/ Authorized Dealer / Direct Importer holding valid licence and having experiences in the relevant field for supply, installation & commissioning of Devices, Equipments, instruments, machineries, tools etc. and such other items listed in BOQ for Electrical Engineering, Renewable Energy Engineering to Sidhu Kanhu Birsa Polytechnic, Keshiary with financial assistance under State Plan Fund.

In the event of e-filling, intending bidders may download the tender documents from the *website: <https://wb-tenders.gov.in>* directly with the help of Digital Signature Certificate. Completed bids, digitally signed, have to be uploaded in the same website. The earnest money is of Rs 30,000/- (Rupees Thirty Thousand) only. Payment to be made either by Net Banking through ICICI Bank Payment Gateway or through RTGS/NEFT as detailed below:

a) Payment by NET Banking (any listed bank) through ICICI Bank Payment Gateway:

- i) On selection of net banking as the payment mode, the bidder will be directed to ICICI Bank Payment Gateway webpage (along with a string containing a Unique ID) where he will select the Bank through which he wants to do the transaction.
- ii) Bidder will make the payment after entering his Unique ID and password of the bank to process the transaction.
- iii) Bidder will receive a confirmation message regarding success/failure of the transaction.
- iv) If the transaction is successful, the amount paid by the bidder will get credited in the respective Pooling account of the State Government/PSU/Autonomous Body/Local Body/PRIs, etc maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
- v) If the transaction is failure, the bidder will again try for payment by going back to the first step.

b) Payment through RTGS/NEFT:

- i) On selection of RTGS/NEFT as the payment mode, the e-Procurement portal will show a pre-filled challan having the details to process RTGS/NEFT transaction.
- ii) The bidder will print the challan and use the pre-filled information to make RTGS/NEFT payment using his Bank account.
- iii) Once payment is made, the bidder will come back to the e-Procurement portal after expiry of a reasonable time to enable the NEFT/RTGS process to complete, in order to verify the payment made and continue the bidding process.
- iv) If verification is successful, the fund will get credited to the respective Pooling account of the State Government /PSU/ Autonomous Body/Local Body/PRIs, etc maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
- v) Hereafter, the bidder will go to e-Procurement portal for submission of his bid.

1 | Page

Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur-721133

vi) But if the payment verification is unsuccessful, the amount will be returned to the bidder's account.

Care has been taken for generic specification of items without mentioning any particular make or model. Still, if it is found that any make or model has been written against any item, this is to be replaced by item with equivalent specification.

THE TIME SCHEDULE FOR DOWNLOADING THE BID DOCUMENTS, THE SUBMISSION OF BIDS AND OTHER DOCUMENTS ETC. WILL BE AS PER THE LIST PROVIDED IN SERIAL NO. 21 BELOW.

1. ELIGIBILITY FOR QUOTING :

Manufacturers or their Authorized Distributor/ Authorized Dealer / Direct Importer, fulfilling the annual turnover criteria as stated below and performing the business for last three financial years are eligible to quote for items. (Statutory Documents)

- a. The Bidder should be a manufacturer/authorized dealer/distributor of a manufacturer, who must have designed/manufactured/tested or supplied the equipment(s) similar to the type specified in the "Technical Specification". Such equipment must be of the most recent series/models incorporating the latest improvements in design. All the items should be new and first hand only, mentioning of Make and Model at the specific space / cell of the Specification Compliance sheet cum un-priced BOQ for each quoted item is mandatory. Reference of page number in print copy of brochure and other related papers of each & individual item to be submitted to the Office of Principal in Charge within two weeks of technical bid online submission and/or link for the brochure and other related papers in the website of manufacturers / makers is mandatory for cross verification of detail specification. In absence of those references, items may be summarily rejected while technical evaluation (Statutory Documents).
- b. The bidder should provide quality, safety & standardisation/calibration certifications for the machines, as are applicable, at the time of delivery. (Statutory Documents).
- c. The agency must have a bank solvency of at least 30 lakhs (Thirty lakhs only). Certificate from the Banker (Bank solvency certificate must be issued by the bank on or after 1st January, 2023) clearly stating the solvency must be attached (Statutory Documents).
- d. Any deviation in the specification/performance of quoted machine shall be clearly detailed and explained along with the catalogue/brochure etc. of the machine.
- e. Necessary operational training of appropriate duration must be arranged and rendered by the agency.
- f. The decision of the Purchase Committee regarding the Technical Specifications and/or other qualification criteria shall be final and binding.
- g. An un-priced BOQ is to be submitted marking the item whichever has been quoted by him. (Statutory Documents).
- h. Service call over telephone must be attended by the bidder within 24 hours and has to make necessary arrangement so that the item gets operational within seven (7) days of the Phone-call; deviation from the above may lead to forfeiture of EMD/Security deposit and/ or blacklisting.
- i. For all the items, whether mentioned or not mentioned separately in the Item/Specification columns of this NIT, supply, installation, and commissioning including civil foundation, electrical connections are to be prepared by the supplier wherever required.

ANNUAL TURNOVER REQUIREMENTS:

The annual turnover criteria for SSI registered in West Bengal /registered with MSME, West Bengal or registered with NSIC units will be at least Rs.10 (ten) Lakhs per year on an average during the last three financial years. The Average annual turnover during the last three financial years for all other participating bidders in the Tender has to be more than Rs. 50 (fifty) lakhs including Principal manufacturer (inside or outside of West Bengal), direct importers holding valid import licence, State Based PSUs, distributors, dealer etc. A certificate from a registered Chartered Accountant (CA) with legible registration no. must be produced by all participating bidders in the Tender stating annual turnover of the company/firm for immediate last three financial years. A certificate from a registered Chartered Accountant must be produced stating annual turnover of the company/firm in immediate last three financial years. (Statutory Documents)

Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur-721117

LIST OF ARTICLES:

List of instruments along with detailed specifications along with Quantity put to tender is given in a separate file named "ANNEXURE A". The Quantity of item to be procured as indicated in the "ANNEXURE A" may vary. Bidders may quote any number of articles. LI will be selected separately for each item.

2. The tender is to be submitted in a Two Bid System.

2.1 "BID A":

One folder for "Essential Requirements of the Tendering Firm for participation" shall contain all papers related to the essential requirements of the Tenderer for participation in the tender viz.

Prequalification Doc:

2.1.1 Earnest Money Deposit (EMD) & Application

1	Proof of payment of EMD
2	Duly Filled in Application form as per Format given in Annexure I

** One folder will contain only one file. A file may contain several pages.

2.1.2 Non-Statutory Documents / My documents

Sl.No.	Category Name	Sub Category Name	Sub Category Description
A	CERTIFICATES	A1. CERTIFICATES	PAN Card, GST Registration (GSTIN)
B	COMPANY DETAILS	B1. COMPANY DETAILS I	TRADE Licence/ certificate of registration as manufacturer Registration with Registrar of Companies
C	CREDENTIAL	C1. CREDENTIAL I	Copy of supply orders (at least three) of similar nature
D	FINANCIAL INFO	D1. TURNOVER	Proof of annual turnover of last three financial years (2019-20, 2020-21 & 2021-22)
E	DECLARATION	E1. DECLARATION	Last year's return of Income Tax(F.Y. 2021-22)
		E2. DECLARATION	Proof of last GST return submitted for immediate last three quarters.

2.2 "BID B":

Another folder as "Financial Bid" shall contain the financial bids with the base rate per accounting exclusive of GST to be quoted in separate columns provided. The amount of GST shall be required to be entered by the bidders separately.

BASIC RATE OF EACH UNIT FOR EACH ITEM TO BE QUOTED IN THE GREEN CELL OF BOQ.

PERCENTAGE OF GST OF EACH ITEM TO BE MENTIONED IN THE SPECIFIED COLUMN OF BOQ.

RATE QUOTED IN ANY FORM OTHER THAN AS STATED ABOVE WILL BE REJECTED.

During the tender evaluation process, the "Bid A" will be opened first. Those tenderers who have qualified on the basis of Non-Statutory / Statutory Documents will be identified. Purchase Committee will scrutinise the

Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur-721133

specifications of the quoted items. Specifications being equal or higher than that required in NIT will only be accepted and then only their "Bid B" will be opened. The "Bid B" of those tenderer failing to meet the essential requirements of participating in the tender will not be opened and be rejected. The lowest rate inclusive of GST in "Bid B", item wise, will be considered as successful.

The decision of the purchase committee will be final in this matter.

3. REGULATIONS FOR S.S.I., W.B. & OTHERS AS NOTED HEREUNDER:

- ii. In case of holder of permanent Small Scale Industries Registration Certificate of the Govt. of West Bengal proof(s) to the effect that the unit has furnished the required valid returns etc. to the appropriate authority to retain the Small Scale Industries Registration Certificate. The documents so produced shall be to the satisfaction of the Purchase Committee.
- iii. If the validity of the Small Scale Industries Registration is going to expire within Tender/ Contract period, the Tenderer should produce a revalidation certificate to the satisfaction of the Purchase Committee, in due time.

All above documents/papers as applicable should be submitted with Bid -'A'

4. BIS Certification/I.S.I. Certificate:

- a. Items, for which BIS or other specifications have been mentioned in list of instruments (Annexure A), should be certified to be of the specified standard by the Bureau of Indian Standards (BIS), engraved in the body of the instruments and have the necessary valid licenses at the time of the supply orders. In cases of non-availability of BIS certification and valid license, a certificate from a Government recognized test house should be attached specifically certifying that the supplied item conforms to the IS standard as specified. If the specified IS/BIS standard has been superseded by a more recent standard, and then the more recent standard will be considered by the Purchase Committee.
- b. In items requiring mandatory certification under the relevant law, the manufacturer should have the necessary up to date licenses/ certifications from BIS and/or other statutory authorities as applicable. Non-compliance, if detected on a later date, will lead to summarily cancellation of the offer and penal provisions for fraudulent submission of tender will be invoked.
- c. Calibration of equipment, wherever is necessary, must be done from a reputed test house at the expenses of the bidder and to be produced in original at the time of installation.

5. IMPORT LICENCE:

Only in Cases where it is applicable, duly attested photocopy of the Import Licence with up to date renewal from licensing authority must be submitted.

6. PRICE SCHEDULE AND PAYMENT TERMS:-

- a) Rates should be quoted in INR only.
- b) The Rates should be quoted for single piece (set)/unit price.
- c) After opening of bids, L1 bidders will be given intimation (LOI) from this office, though supply orders may be placed by the Principle-in-Charge of Sidhu Kanhu Birsa Polytechnic.
- d) Bill in triplicate (pre-receipted) against such supply orders have to be submitted to the institute concerned and payment will be made by the Principle -in-Charge of Sidhu Kanhu Birsa Polytechnic.
- e) Payment will be made in Indian rupees only through online transfer within a reasonable time from the receipt of the consignment provided there are no discrepancies of any nature.
- f) Rate should be quoted in rounded up value (without any decimal coinage) as per specification given inclusive of all incidental charges including delivery and installation to Sidhu Kanhu Birsa Polytechnic, Keshiary under the Department of Technical Education, Training & Skill Development, Govt. of West Bengal, situated at Keshiary, Paschim Medinipur, Pin No.- 721 133.
- g) Rates shall be valid till 31st March, 2024 to be covered by the contract to be executed with successful tenderers along with any extensions as may be made by the competent authority from time to time.

Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur-721133

Approximate amount of purchase that may be done using this tender within the bid validity period is Rs. 75 Lakhs (Seventy five Lakhs only).

- h) The basic rate per accounting unit should be furnished inclusive of all and only exclusive of GST but which is to be quoted separately in the template for Bill of Quantities.
- i) Charges like Waybill, entry tax have to be borne by the bidder within the quoted rate. All administrative help will be provided by the consignee institutes.
- j) All items must have a warranty of at least one year from the date of installation and in case, the warranty period set by the manufacturer is more than one year the higher period will be considered.
- k) Before making payment, an agreement is to be signed by the L1 bidder with the Principal in charge of Sidhu Kanhu Birsa Polytechnic that he will abide by all terms and conditions of the NIT. At the same time, he will give the undertaking on service against any service calls from Sidhu Kanhu Birsa Polytechnic. Besides, for items of value more than Rs 1.0 lakh (One lakh only), selected bidders have to produce an undertaking to the Principle -in-Charge at the time of delivery/installation that the product will not face end-of-life within 5 (Five) years.

7. DELIVERY:-

- a. All the items including relevant technical operational manual along with calibration certificates should be delivered, installed and demonstrated including training, wherever required, up to the satisfaction of consignee Principle -in-Charge of Sidhu Kanhu Birsa Polytechnic, Keshiary free of cost to the mentioned address on the risk and responsibility of the supplier. *The supplier shall be fully responsible in briefing the user institute repeatedly (if they desire so) for the smooth operation of their supplied instruments within the stipulated warranty period.*
- b. The supplier has to execute all supplies within the stipulated time [60 (sixty) days, extendable in special circumstances at the discretion of the tender inviting authority] from the date of issue of the purchase order. Items should be delivered at Sidhu Kanhu Birsa Polytechnic, Keshiary. Transportation, postal and other charges, if any, will be borne by the supplier. *Bidders from other states shall therefore be responsible in obtaining relevant permission like Way-Bill etc. from the concerned authority of the Govt. for inter-state movement of their goods and quoted price should include all the cost involved for the purpose. Necessary administrative help will be given by the consignee.*
- c. Transit Insurance, if required, will be borne by the supplier till the supply reaches the destination.

8. BILL:

The selected supplier has to submit bills in triplicate with an undertaking at the time of supply that:

- a. The instruments supplied are 1st hand only.
- b. The instruments conform to the specification supplied by the tenderer.
- c. The instruments supplied have been checked against any manufacturing defect or defects of any other types. If any defects are detected later, the defective instruments will be replaced *by the supplier*, free of cost, at the destination of supply.

9. PAYMENT TERMS:

Payment will be made after execution of due supply as ordered subject to:

- 1. Submission of Performance Bank Guarantee/ Security Deposit in and subject to penalty as mentioned in relevant clauses.
- 2. Supply of the materials as per specification as provided in the tender document.
- 3. Installation and Commissioning, if needed, upto the satisfaction of the competent authority.
- 4. Supply of the materials within the period as specified in the work orders.

10. SUB-LETTING OF THE CONTRACT:

The successful applicants shall be responsible for full execution of the contract and shall not, in any case, assign or sublet the supply order or part thereof to any other party which will otherwise attract penalty of 10 (Ten) % of the total value of the order and even debarring and blacklisting of the vendors.

REGISTRATION OF BIDDERS:

Any Bidder willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system, through logging on to e-tendering portal of the Govt. of W.B., <https://wbtenders.gov.in>. The prospective Bidder is to click on the link for e-Tendering site as given on the web portal.

Digital Signature certificate (DSC)

Each Bidder is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) from National Informatics Centre (NIC) for submission of tenders, from the approved service provider of the (NIC) on payment of requisite amount; details are available at the Website. DSC is given as a USB e-Token.

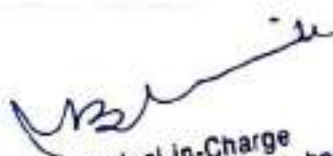
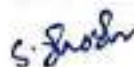
The Bidder can search & download NIT & Tender Documents electronically from computer once he logs on to the website <https://wbtenders.gov.in>, using the Digital Signature Certificate. This is the only mode of collection and submission of Tender Documents. Corrigendum, if any, will also be uploaded in this web portal.

11. TESTING:

- (a) Principle -in-Charge of Sidhu Kanhu Birsa Polytechnic, Keshiary will be at liberty to get the supplied items tested at Govt. selected/ empanelled laboratory, Govt approved Test Houses, BIS Labs etc., the identity of which shall not be divulged to the Tenderer.
- (b) A sum @ 2% of bills exclusive of Govt. tax & duties will be deducted from the bills of the supplies of items to meet the cost of testing charges, if testing is to be done.

12. WITHDRAWAL / CANCELLATION & PURCHASE POLICY OF TENDERING AUTHORITY:

- i) The tendering authority reserves the right to withdraw any item from the tender at any stage. The selection of such item, if already made in favour of any Tenderer, shall be treated as cancelled.
- ii) The tendering authority reserves the right to reject or accept any tender or part thereof at any stage or to split any tender without assigning any reason. Withdrawal of tender or any revision after submission of tender by the Tenderer will not be allowed.
- iii) The tendering authority reserves the right to accept or reject any tender, in part or in full, without assigning any reason.
- iv) Feedback about the bidders for not providing adequate support services for the items supplied to the Govt. institutes of the State during preceding three years may be summarily rejected.
- v) Purchase will; however, be made following the existing purchase policy of the Govt of West Bengal and its amendment(s) or addendum made from time to time.
- vi) The tendering authority reserves the right to procure any item, of the tender directly from any agency having valid D G S & D rate contract even if a tender for the same has been offered/ accepted.



Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur-721111

13. PENALTY CLAUSE

(A) In case of supply of the sub-standard items, any such items determined by the appropriate authority will not be accepted and the payment for such items will not be made to the supplier.

(B) Debarment from participation in next tender processes of the Technical Education, Training & Skill Development Department, Government of West Bengal. The Purchase Committee reserves the right to declare a firm/ Company blacklisted for five years due to the following reasons:

If the supplier

- i) withdraws from agreement after being the "Lowest Quoted Tenderer"
- ii) is failure in supplying within stipulated period.
- iii) delivers substandard items within tender period as determined by the Competent Authority.
- iv) submits false or fabricated documents by any firm/ company for participating in the tender, if proved later on.
- v) have quoted absurdly high or low rate in the opinion of Purchase Committee, with the intention to vitiate the tender process.
- vi) submits tender for the product(s) for which the concerned company has been blacklisted either by the state Government or State / Central Government Organization.
- vii) submits tender during the period of blacklisting of Concern / Company either by Tender Inviting Authority or by any State Government or by other State/Central Government.
- viii) does not provide service against any service call from institutes during the period of warranty as stipulated in terms and conditions of NIT.

(C) Financial Penalties for deficiencies in services/supplies during the period of the tender and its subsequent extensions:

1. For supply of sub-standard items within tender period or its extensions – Clause 13 will be followed.
2. For delay in the supply of items ordered: (The procuring officer shall provide the evidence of sending the order to the approved supplier or his authorised distributor or dealer, as the case may be). Part supply will not be considered as supply in full unless specified in the supply order.
 - a. First time offence:
If orders are not supplied in full within one week of the date of supply as mentioned in the work order- Caution to be sent along with the copy of the order.
 - b. Second time offence for the same material/other materials:
If orders are not supplied in full within one week of the date of supply as mentioned in the work order or receipt of the caution notice as provided in 4a above - 5% of the total value of the order or Rs 50,000 (Fifty thousand) whichever is less will be deducted from the billed amount.
 - c. Third time or each subsequent offence
If orders are not supplied in full within one week of the date of supply as mentioned in the work order- 25% of the total value of the order or Rs 5,00,000 (Five lakhs) whichever is less will be deducted from the bill amount.
 - d. For firms who fail to supply the full order on five occasions within the tender period and its extensions- the whole Performance Bank Guarantee will be forfeited and the firm and its principals will be debarred from participation in tenders of this Dept. for the next five years.

Principal-in-Charge
Sidhu Kanhu Birs Polytechnic
Keshary, Paschim Medinipur-721133

3. The names of the defaulting suppliers will be put up in the Departmental website.

4. Enhancement of rates of raw materials etc. or the fact that the tender period has been extended will not be acceptable as a plea for not supplying the materials within the stipulated period as provided in the work order.

(D) Non – supply /Risk Purchase

i) If Tenderer fails to execute the supply within the stipulated period, the Tender inviting authority/ order placing authority, is at liberty to make alternative purchase of item/ items for which orders have been placed from any other source, following provisions of the existing Acts/ rules/ Orders.

ii) For the situation as enumerated in points i), ii), iii) under Clause 14 (B), the supplier will be imposed penalty apart from forfeiture of Performance Guarantee. The excess expenditure over and above contracted prices incurred by the Tender inviting authority/ Order placing authority in making such purchases from any other sources or in the open market or from any other money due and will become due to the default supplier and in the event of such amount being insufficient, the balance will be recovered personally from the supplier or his pending bills, if any.

14. PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT/ MISLEADING DOCUMENTS:

If during the tender process or at any stage during the validity of the tender period, it is found that a Tenderer(s) has formed a cartel in whatsoever form or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against those tenderers who have submitted false/ misleading/ fraudulent documents or made incorrect declarations. The penal measure will be

Forfeiture of Earnest Money.

Forfeiture of Performance Bank Guarantee.

Cancellation from the approved list of suppliers and debarment from further supply orders.

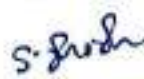
Black listing from all Departmental tenders (called by the TET & SD or others) of the Tenderer, the Principals of the firm(s) and the concerned distributor(s) for a period of five years.

15. APPEAL:

Appeal against the decision to impose such a penalty will lie with the Purchase Committee. Review against the decision of the Purchase Committee will lie with Tech. Edn., Trg & Skill Development Dept. of the Govt of WB. The Secretary will be the appellate authority within the Department of Tech. Edn., Trg & Skill Development, Government of West Bengal. Before imposing any penalty as per clauses mentioned above, the concerned supplier may appeal to the authority citing the proper reasons for non- imposing the penalty as stated.

16. AGREEMENT:

On a tender being accepted, intimation of acceptance will be forwarded to the Tenderer by Principal in Charge of Sidhu Kanhu Birsa Polytechnic, Kshiyary. Such intimation may be forwarded either in one lot or in



Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Kshiyary, Paschim Medinipur-721133

different lots. After communication of the same, the Tenderer will have to execute agreement in the prescribed form with the Principle -in-Charge of Sidhu Kanhu Birsa Polytechnic, Kshiyar or his nominee.

17. GURANTEE AND WARRANTY

All items must be guaranteed for replacement if any manufacturing defect or shortage of accessories found during demonstration/first operation. A minimum warranty of one year from the date of installation must be committed for all items.

18. VALIDITY PERIOD OF TENDER:

The rates quoted in the tender must be valid till 31st March, 2024. The bidder must agree to supply items in the quoted rates till that date.

19. ORDER & SUPPLY:

i) Orders for the supply of estimated quantities of items in this tender will be placed with the successful bidders after the execution of the agreements, and such supply shall have to be made in such instalments as may be fixed or spread over the period to be specified in the supply orders to be made in pursuance of the agreements.

ii) An idea as to quantities of different items that may be required should be obtained by getting in touch with the Principal-in-Charge of Sidhu Kanhu Birsa Polytechnic, Kshiyar if the bidders so desire. The assessed quantities may be increased or decreased at the discretion of the Principle-in-Charge of Sidhu Kanhu Birsa Polytechnic, Kshiyar at any time throughout the period of validity of the tender/ contract.

iii) If situation so occurs, the tender inviting authority is in liberty of not purchasing any / all item.

20. PERFORMANCE BANK GUARANTEE

- The performance Bank Guarantee/Security Deposit will be mandatory for all suppliers and will not be waived in any case.
- The successful bidders shall be required to furnish the 'Performance Bank Guarantee' equal to 5% of the value of the supply order shall be kept with the Principal in Charge of Sidhu Kanhu Birsa Polytechnic as Performance Bank guarantee.
- 'Performance Bank Guarantee' should be submitted within seven working days from the date of issue of supply order.
- The Performance Bank Guarantee will be liable to forfeiture as enumerated in Clauses above.

21. IMPORTANT DATES :

SN	Items	Date(s)
1.	Date of uploading of N.I.T. Documents (online)	24.04.2023
2.	Documents download start date (Online)	25.04.2023-06:00 P.M.
3.	Bid Submission start date (On line)	27.04.2023-06:00P.M.
4.	Bid Submission closing (On line)	17.05.2023-11:00A.M.
5.	Bid opening date for Technical Proposals (Online)(Bid A)	19/05/2023-12:30P.M.

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]
Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Kshiyar, Paschim Medinipur-721033

- a. PRINCIPLE-IN-CHARGE OF SIDHU KANHU BIRSA POLYTECHNIC RESERVES THE RIGHT TO CHANGE THE ABOVE SCHEDULE IN CASE OF ANY EXIGENCIES AFTER PUTTING UP A NOTICE IN THE WEBSITE www.wbtenders.gov.in AND OFFICE NOTICE BOARD.
- b. All the prospective bidders are requested to be present during opening the bids, at the office of the Principal in Charge, of Sidhu Kanhu Birsa Polytechnic, Keshiary.
- c. No objections in this respect will be entertained raised by any Bidder who will be present during opening of bid, or from any Bidder who will be absent at the time of opening of Financial Bid.
- d. During the scrutiny, if it comes to the notice to tender inviting authority that the credential or any other paper found incorrect/ manufactured/ fabricated, that bidder would not allowed to participate in the tender and that application will be rejected without any prejudice.
- e. Prospective bidders may mail their queries in the following e mail addresses: skbp.keshiary@gmail.com
- f. Any litigation in this connection is to be settled at Sidhu Kanhu Birsa Polytechnic, Keshiary, Paschim Medinipur.
- g. The Purchase Committee reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

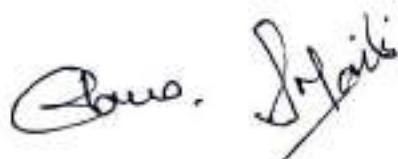
22. CHECK LIST:

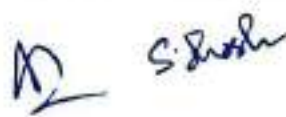
1. Application (Annexure I) in cover TECH1
2. Non-Statutory Documents / My documents in My Documents and in cover TECH2
3. Proof of turn-over (last 3 years) in the form of certificate by a registered CA(mentioning Registration no.) stating annual turn-over of last three financial years in cover TECH1
4. Certificate of Bank Solvency of Rs 30 lakhs in cover TECH1
5. Copies of IS/BIS certification in cover TECH3
6. Specification Compliance sheet cum unpriced BOQ in cover TECH3
7. Brochures in cover TECH4 & TECH5 (If space becomes insufficient for Brochures, hard copies may be submitted within closing date with a mention that hard copies are submitted.
8. Bid B (BOQ)

Manotosh Bhaumik

Principal in Charge of Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur West Bengal








Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur-721134

ANNEXURE - I
APPLICATION

NOTICE INVITING e-TENDER FOR SUPPLY, INSTALLATION & COMMISSIONING OF DEVICES, EQUIPMENTS, INSTRUMENT, MACHINERIES, TOOLS ETC FOR ELECTRICAL ENGINEERING, RENEWABLE ENERGY ENGINEERING AT SIDHU KANHU BIRSA POLYTECHNIC, KESHIARY.

NIT No: SKBP/02

Date:

1. Name and address of Firm/Agency/
Company and Telephone/ Cellphone
Number and e-mailID
2. Registration No with ROC with Date
3. Category (Manufacturer / Dealer /distributor)
4. Name, Designation, Address
and Telephone No. Of
Authorized Signatory
5. Please specify as to whether
tenderer is sole proprietor/
Partnership firm/ Private or
Limited company
6. Name, Address and Telephone No
of Directors /partners
7. Name & Address of the Banker
8. Details of
Earnest Money
Deposit:
(a) Amount with details
(b) Demand Draft/Pay
order/ Bankers Cheque No:
(c) Date of Issue
(d) Name of issuing Bank &Branch:
9. Any other information:
10. Declaration by the Bidder:

This is to certify that I/We before signing this tender have read and fully understood all the terms and condition contained herein and undertake myself/ourselves to abide by them.

(Signature of the Bidder)
Name and Address
(with Seal)

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]
Principal-in-Charge
Sidhu Kanhu Birsa Polytechnic
Keshiary, Paschim Medinipur-721121

Annexure A
List and Specification of Instruments

All the items should be new and first hand only, mentioning of Make and Model at the specific space/ cell of the Specification Compliance sheet cum un-priced BOQ for each quoted item is mandatory. Reference of page no in print copy of brochure/ link in the website is mandatory for cross verification of detail specification. In absence of those references, items may be summarily rejected while technical evaluation.

SI No.	Item Code	Name of Item	Tendered Specification	Quantity of the Item
Department of Renewable Energy Engineering:				
1	RE01	Complete set up of Single-crystalline silicon PV Cell to measure the cell parameters – O.C. voltage (V_{oc}), Short circuit current (I_{sc}), Voltage-Current-Power at Maximum Power point (V_{mp} , I_{mp} , M_{pp}), Fill factor, Efficiency.	<ul style="list-style-type: none"> Single crystalline Solar Module (12V, 5Wp). Holding structure. Controller (12V, 5Wp). Halogen Lamp and holding structure with variable light intensity on cell and Battery. Necessary Voltmeter. Ammeter. Electrical Load. Wiring and cabling. <p>Installation & commissioning of set up is included.</p>	01
2	RE02	Complete set up of Poly-crystalline silicon PV Cell to measure the cell parameters – O.C. voltage (V_{oc}), Short circuit current (I_{sc}), Voltage-Current-Power at Maximum Power point (V_{mp} , I_{mp} , M_{pp}), Fill factor, Efficiency	<ul style="list-style-type: none"> Poly crystalline Solar Module (12V, 5Wp). Holding structure. Controller (12V, 5Wp). Halogen Lamp and holding structure with variable light intensity on cell and temperature measurement facility of cell, Battery. Necessary Voltmeter. Ammeter. Electrical Load. Wiring and cabling. <p>Installation & commissioning of set up is included.</p>	01
3	RE03	Complete set up of Poly crystalline silicon PV Cell to measure current, voltage, power of solar cell by varying light shading of the cell.	<ul style="list-style-type: none"> Four Poly crystalline Solar Module each of 12V, 5Wp, provision to connect the modules in series-parallel combination. Controller – i) 12V, 5Wp, ii) 24V, 5Wp. 	01

			<ul style="list-style-type: none"> iii) 24V, 10W, • Halogen Lamp. • Holding structure. • Varying shading facility on top of solar module. • Necessary Voltmeter. • Ammeter. • Wattmeter. • Electrical Load. • Wiring and cabling. <p>Installation & commissioning of set up is included.</p>	
4	RE04	Complete set up of Poly crystalline solar cell with provision of variation of tilt angle of the cells and measurement of the cell parameters – Voc, Isc, Vmp, Imp, Mpp, Fill factor, Efficiency at different tilt angle with horizontal & vertical.	<ul style="list-style-type: none"> • Poly crystalline Solar Module (12V, 5Wp), • Controller (12V, 5Wp), • Halogen Lamp, • Holding structure should have tilted Facility of solar module manually at Different tilt angle with respect to Horizontal & vertical, • Battery, • Wiring and cabling. <p>Installation & commissioning of set up is included.</p>	01
5	RE05	Components of solar PV system for assembling the complete system for DC and AC.	<ul style="list-style-type: none"> • 500Wp solar module (2x250Wp) • Battery. • Charge controller cum inverter for a utility-grid-connected system for alternating current (ac) system output. • Patch cord & wire for wiring. • Mounting hardware or a framework. • Halogen Lamp with varying light intensity is to be fixed to obtain lux level equivalent to standard 1000W/m² irradiance level. <p>Installation & commissioning of set up is included with complete panel so that students can assemble and dismantle the whole set up component wise.</p>	01
6	RE06	Set up for performance analysis of single-phase bridge inverter with R-L load and voltage control by single pulse width modulation.	<ul style="list-style-type: none"> • Specification of inverter – 500VA, 12V with grid charging facility. • Measurement facility of voltage, current, frequency, input power, output power with variable load, efficiency. 	01

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]
Principal-in-Charge
Sidhu Kanhu Birsu Polytechnic
Keshiary, Paschim Medinipur-721

7	RE07	Solar smart metering system	<ul style="list-style-type: none"> • Specification of smart meter: 2A, pulsed output, 0.5 S, digital meter with data logging facility 	01
8	RE08	Demonstrative solar pumping system	<ul style="list-style-type: none"> • Pump 12V/100W, • Solar module(12V,5Wp). • Pump controller, • Battery (12 V), • Holding structure for all equipment in compact form. <p>Necessary pipe fittings and plumbing with necessary valve control. Necessary components with installation are included</p>	01
9	RE09	Solar street lighting system for DC supply	<ul style="list-style-type: none"> • Complete set up of 40-Watt, 12 V DC solar street lighting system for student demonstration. <p>Necessary components with installation are required.</p>	01
10	RE10	Solar home lighting system	<ul style="list-style-type: none"> • 100 Watt solar home lighting system with all necessary components for assembling for student demonstration. 	01
11	RE11	Pyranometer	<ul style="list-style-type: none"> • Response time (95%) - < 1s, • Directional error (up to 80 ° with 1000 W/m² beam) - < 10 W/m², • Temperature dependence (-30 °C to +70 °C) - -0.15%/ °C, • Sensitivity - 60 to 100 μV/W/m², • Impedance-50Ω, • Spectral range (50% points) - 400 to 1100 nm, • Typical signal output for atmospheric applications - 0 to 100 mV, • Maximum irradiance - 2000 W/m², • Detector - Silicon photodiode, • One revolving platform for irradiance measurement at different tilt angle with Pyranometer fixing. <p>Instruction manual and Commissioning of the instrument is included</p>	01
12	RE12	Datalogger	<ul style="list-style-type: none"> • Universal Datalogger with Pyranometer and Anemometer measurement facility. 	01
13	RE13	Multimeter	<ul style="list-style-type: none"> • AC-600V, DC-600V, 10A, 20Mohm, Testing facility of diode, transistor, capacitor, 3&1/2-digit LCD display with back light facility. <p>Battery and Instruction manual is included.</p>	01
			<ul style="list-style-type: none"> • One piece 100 LPD Flat plate collector 	01