



कोटा विश्वविद्यालय, कोटा

महाराज भीमसिंह मार्ग, कबीर सर्किल के पास, कोटा

क्रमांक: एफ.()/भौतिक विभाग-प्रोजेक्ट/निविदा/कोविको/2025/9131

दिनांक: 28/01/2025

(निविदा सूचना संख्या 39/2024-25)

तकनीकी निविदा (पार्ट-अ) एवं वित्तीय प्रस्ताव (पार्ट-ब) को अलग-अलग लिफाफों में सीलबंद कर लिफाफों पर पार्ट-अ एवं पार्ट-ब आवश्यक रूप से अंकित करते हुए दोनों लिफाफों को एक लिफाफे में सीलबंद कर लिफाफे पर कार्य का नाम अंकित करते हुए प्रस्तुत करना होगा।

(पार्ट-अ) : तकनीकी निविदा पत्र

1.	कार्य का नाम	Supply of Solar System Material for RAE Project
2.	अनुमानित लागत	रु. 2,25,000/- (अक्षरे रु. दो लाख पच्चीस हजार मात्र)
3.	निविदा शुल्क राशि रु. 500/- का डी.डी. जो कि कुलसचिव, कोटा विश्वविद्यालय, कोटा के नाम देय हो संलग्न करना होगा।	डी.डी. नं. बैंक दिनांक
4.	बोली प्रतिभूति (ई.एम.डी.) राशि रु. 4500/- का डी.डी. जो कि कुलसचिव, कोटा विश्वविद्यालय, कोटा के नाम देय हो संलग्न करना होगा।	डी.डी. नं. बैंक दिनांक
5.	निविदा प्रस्तुत करने वाली फर्म का नाम, पता, दूरभाष नम्बर एवं ई-मेल आई.डी.	
6.	GST Registration No., if Registered in GST (copy to be enclosed)	(संलग्न पृष्ठ संख्या
7.	PAN (copy to be enclosed)	(संलग्न पृष्ठ संख्या
8.	Shop License (Commercial) No. (copy to be enclosed)	(संलग्न पृष्ठ संख्या
9.	बैंक खाते का विवरण— बैंक का नाम व भाखा खाता सं. एवं IFS Code (Photocopy of Passbook/Cheque to be enclosed)
10.	यदि संवेदक अधिकृत डीलर/वितरक/आपूर्तिकर्ता है, तो प्रमाण पत्र की प्रति संलग्न की जावें।	
11.	बोलीदाता को राजस्थान लोक उपापन में पारदर्शिता अधिनियम, 2012 एवं नियम 2013 अनुसार निर्धारित प्रपत्र A, B, C and D को विधिवत् रूप से हस्ताक्षर कर प्रस्तुत करने होंगे।	

निविदादाता के हस्ताक्षर मय मोहर



कोटा विश्वविद्यालय, कोटा

महाराव भीमसिंह मार्ग, कबीर सर्किल के पास, कोटा

S. No.	Name of the Item	Technical Specifications
1.	SOLAR PV MODULE (Bi-facial)	<ul style="list-style-type: none">• Cells: Half-cut mono-crystalline, P-type bi-facial solar cells, MBB bus bar• Capacity: Minimum 500 W• Number of cells: Min 144• Module efficiency: more than 22%• Encapsulation: High volume resistivity and low MVTR• Substrate: Semi-transparent glass-2.00 mm• Maximum series fuse rating: 25 A• Frame: Anodized frame• Compliance:<ul style="list-style-type: none">• Crystalline Silicon Terrestrial PV Modules: IEC 61215 / IS14286• In addition, the modules must conform to IEC 61730 Part1-requirements for construction & Part 2 - requirements for testing, for safety qualification or Equivalent IS (Under Dev.)• Warranty:<ul style="list-style-type: none">• Output wattage should not be less than 90% at the end of 10 years and 80% at the end of 30 years.• RFID Tag Information:<ul style="list-style-type: none">• Manufacturer of PV Module• Manufacturer of Solar cells• Month and year of manufacture• Country of origin• I-V curve for the module• Peak Wattage, I_m, V_m, and FF for the module• Unique serial and model number• Date and year of obtaining IEC PV module qualification certificate• Name of the test lab issuing IEC certificate• Anti-reflective coating on the solar glass• IP 68 rating Junction box• Frame thickness: minimum 36 mm• To connect the solar module interconnection 4 SQMM double insulated copper cable with MC-4 terminal should be provided. The interconnecting cables shall be encapsulated by heat shrinkable sleeves to withstand high temperature up to 100⁰C. The terminal box on the module should have a provision for opening for replacing the cable, if required.• Module junction box (weather proof) shall be designed for long life outdoor operation in harsh and corrosive environment.• All materials used shall have a proven history of reliable and stable operation in external applications at site conditions as mentioned elsewhere.• The rated output power of any supplied module shall not vary more than + 3-5% (only + tolerance is acceptable) from the average power rating of all modules.• The module frame is made of corrosion resistant materials, which is electrolytically compatible with the structural material used for mounting the module. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of the solar modules.• The module termination box shall be of reputed make confirming to IP65, UV resistant & made up of thermoplastic material.• Protective devices against surges at the PV module shall be provided, if required. Low voltage drop bypass and/or blocking diode(s) may also be provided, if required.
2.	SOLAR PV MODULE (Mono-facial)	<ul style="list-style-type: none">• Cells: Half-cut mono-crystalline, P-type monofacial solar cells, MBB bus bar• Capacity: Minimum 500 W• Number of cells: Min 144• Module efficiency: more than 20%• Encapsulation: High volume resistivity and low MVTR

		<ul style="list-style-type: none"> • Substrate: White backsheet • Maximum series fuse rating: 25 A • Frame: Anodized frame • Compliance: <ul style="list-style-type: none"> • Crystalline Silicon Terrestrial PV Modules: IEC 61215 / IS14286 • In addition, the modules must conform to IEC 61730 Part 1- requirements for construction & Part 2 - requirements for testing, for safety qualification or Equivalent IS (Under Dev.) • Warranty: <ul style="list-style-type: none"> • Output wattage should not be less than 90% at the end of 10 years and 80% at the end of 30 years. • RFID Tag Information: <ul style="list-style-type: none"> • Manufacturer of PV Module • Manufacturer of Solar cells • Month and year of manufacture • Country of origin • I-V curve for the module • Peak Wattage, I_m, V_m, and FF for the module • Unique serial and model number • Date and year of obtaining IEC PV module qualification certificate • Name of the test lab issuing IEC certificate • Anti-reflective coating on the solar glass • IP 68 rating Junction box • Frame thickness: minimum 36 mm • To connect the solar module interconnection 4 SQMM double insulated copper cable with MC-4 terminal shall be provided. The interconnecting cables shall be encapsulated by heat shrinkable sleeves to withstand high temperature up to 100⁰C. The terminal box on the module should have a provision for opening for replacing the cable, if required. • Module junction box (weather proof) shall be designed for long life outdoor operation in harsh and corrosive environment. • All materials used shall have a proven history of reliable and stable operation in external applications at site conditions as mentioned elsewhere. • The rated output power of any supplied module shall not vary more than + 3-5% (only + tolerance is acceptable) from the average power rating of all modules. • The module frame is made of corrosion resistant materials, which is electrolytically compatible with the structural material used for mounting the module. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of the solar modules. • The module termination box shall be of reputed make confirming to IP65, UV resistant & made up of thermoplastic material. • Protective devices against surges at the PV module shall be provided, if required. Low voltage drop bypass and/or blocking diode(s) may also be provided, if required.
3.	INVERTER-1.5 kVA	<p>The inverter should confirm IEC 61683 /IS 61683, IS 16169/IEC 62116, IEC 60068 and should be based on UPS design. Inverters would display its own parameters. Beyond the maximum load the inverters will trip. Salient features of the Inverters shall be as follows:</p> <ul style="list-style-type: none"> • The sine wave output of the inverter shall be 220V, Single phase, 2 wire 50 HZ AC LT voltage. • Inverter shall provide display of PV array DC voltage & current, Battery Voltage & Current, Inverter Voltage & Current, Grid voltage & Current, Battery charging status and required parameters when fault occurs. • Operating temperature Range shall be 0 - 55⁰ C. • Inverter Capacity – Single Phase, 24/48 VOLT, 1.5 kW. • INPUT <ul style="list-style-type: none"> • Maximum Peak DC Input Power – 2 kW • Maximum DC input voltage – 550 V dc • Maximum DC input Current – 13 A • MPPT Short Circuit Current – 19.5 A

		<ul style="list-style-type: none"> • MPPT Tracking Voltage – 70-500 V dc • Startup DC input Voltage – 80 V dc • Number of MPPT Trackers – 1 • Strings per MPPT Trackers – 1/1 • OUTPUT <ul style="list-style-type: none"> • Rated output power – 1.5 kW • Maximum active power – 1.7 kW • Nominal output voltage – 220 V (140V-300V) • Rated Ac grid output current – 6.5 A • Maximum AC output current – 7.2 A • Output power factor – 0.8 leading to 0.8 lagging • Operating Phase – single phase • Frequency range – 47 - 52 Hz • Overload Capacity – 200% for 5 Second • Efficiency – 80% at 50% of load and more than 90% at full load (0.8 PF) • Short Circuit Protection – Circuit Breaker and Electronics protection against sustained fault. • Low Battery Voltage – Automatic Shut Down. • Total Harmonic Distortion – Less than 3% • Over Voltage – Automatic Shut Down. • AC over Current/Load – Automatic Shut Down. • Protection – Over Voltage both at Input & Output, Over Current both at Input & Output, Over Frequency & Surge voltage inducted at output due to external source. • D.G Synchronization – Yes • Noise emission – <25 db • Warranty – Minimum 8 years • Cooling concept – Natural cooling • Topology – Transformerless • Protection Degree – IP20/IP21 • Instrumentation & Indication – Input & Output voltage, Input & Output Current, Frequency, Power Output, different status of inverter, kind of fault by audio signal. <p>Remote monitoring of inverter parameters should be possible.</p>
4.	MPPT INVERTER- 2.5 kVA	<p>The inverter should confirm IEC 61683 /IS 61683, IS 16169/IEC 62116, IEC 60068 and should be based on UPS design. Inverters would display its own parameters and the parameters of battery bank connected to the inverter. Beyond the maximum load the inverters will trip. The inverters should be designed to be completely compatible with the charge controllers and distribution panels and are of integrated design. Salient features of the Inverter</p> <p>Pure sine wave inverter</p> <ul style="list-style-type: none"> • 32-bit High Performance μ-controller • Built in dual interleaved MPPT solar charge controller • 4 stage intelligent charging to ensure longer battery life • Grid charger mute option • Solar over voltage and reverse polarity protection • Overload, short circuit, foldback current limiting, over temperature battery low/ high protection • Grid high & low voltage cut off to protect sensitive home equipment's. • Grid input wide and narrow (sensitive) modes. • Wide mode works from 100 V to 290 V AC • Narrow mode works from 170 V - 270 V AC to protect sensitive home/office equipments • Battery charging from Grid as low as 110 V AC • Grid charging current- High, Low or Mute. • Battery capacity selection from 150 Ah to 220 Ah, with auto charging current selection • Suitable for Tubular LMLA, SMF or Gel batteries

		<ul style="list-style-type: none"> • Solar/Grid preference- If solar is selected, grid charger will be OFF. Grid charger will start only if the battery low happens. Under both modes solar charger will work if solar power is available. once the battery is fully charged during the day the load will be shared by solar and battery, to maximize solar energy utilization and reduction in electricity bill. • Zero current drain from Grid if the grid charging is not enabled, System runs cooler and prevents wastage of grid power. <ul style="list-style-type: none"> • The PCU should be designed to be completely compatible with the SPV array voltage. • The combined KVA rating of all PCUs shall not be less than corresponding KVA at standard temperature. • Optimum numbers of central inverter with MPPT shall be used with the power plant for maximum efficiency and shall be efficient based on PWM MPPT with IGBT/ reliable power-based design. • The sine wave output of the inverter shall be 230V, Single phase, 2 wire 50 HZ AC LT voltage for power plant capacity 1 KWp. • The peak inverter efficiency inclusive of built in isolation transformer shall exceed 90% at full load. • Inverter shall provide display of PV array DC voltage & current, Battery Voltage & Current, Inverter Voltage & Current, Grid voltage & Current, Battery charging status and required parameters when fault occurs. Remote monitoring of inverter parameters should be possible. • Operating temperature Range shall be 0 to 55 deg C. • The charge controller/ MPPT units should qualify to IEC standards. • Online microprocessor-based Data Acquisition Systems and Remote Monitoring facility for 365 days with data Recovery from remote location should equip. • Firm should have sufficient enclosure on report preparation and should provide energy generation report on demand of officials. • All PCUs must be provided with remote monitoring and data acquisition systems. • PCU should work at low voltage range from 110 v to 230 v. • There should be provision to charge the battery using Grid power as long as Grid voltage is between 170V- 265V. In case the Grid voltage falls below 170V up to 130V, Grid charging shall stop but load shall continue to run using Grid supply not by Solar. In case of three phase system, phase to neutral voltage shall be in this range for all three phases. • There should be provision to export excess PV power to Grid in case the load consumption is less than actual generation only for the plants having capacity equal to and more than 05 KW. • Inverter Capacity – Single Phase, 24/48 VOLT, 2.5 KW/ 2.5 KVA • Nominal Battery Bank Voltage – 36V DC • Control Type – Dual Interleaved PWM MPPT with MOSFET <p>Grid Input</p> <ul style="list-style-type: none"> • Operating Voltage Range (Narrow Mode) - 170 V AC – 270 V AC • Operating Voltage Range (Wide Mode) - 100 V AC – 290 • Operating Frequency Range - 42 Hz – 54 Hz <p>Grid Output</p> <ul style="list-style-type: none"> • Output Voltage (Battery Mode) – 220 V - 230 V - 240 V AC (Settable, default: 230 V AC) • Output Voltage (On Grid Mode) – Same as Input Grid Voltage and Frequency • Time Delay – System should be synchronized to grid phase and frequency before transfer • Output Frequency (Battery Mode) - 50 Hz ± 0.5 Hz • Output Waveform - Pure Sine Wave with < 5 % Total Harmonic Distortion (THD) • Efficiency ≥ 90%
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5.	BATTERY BANK-200AH	<p>The battery should have long service life. The cells should confirm IEC 61427 / IS 1651 / IS 133369 and as per specification given below shall be provided.</p> <ul style="list-style-type: none"> • Capacity – 12V, C10, minimum 200 AH LMLA Battery Bank. • Container – Polypropylene Co-polymer/hard rubbers with carrying handle. • Terminals – Made of lead alloy suitable for bolted connection. The terminals should be greased with petroleum gel. • Self-Discharge – Less than 3% per month at 30⁰C • Life expectancy – 1500 cycle duty at 27⁰C at 80% depth of discharge 3000 cycle duty at 50% discharge. • Service Life – Manufacturer warranty minimum 3 years.
6.	BATTERY BANK-100AH	<p>The battery should have long service life. The cells should confirm IEC 61427 / IS 1651 / IS 133369 and as per specification given below shall be provided.</p> <ul style="list-style-type: none"> • Capacity – 12V, minimum 100 AH LMLA Battery Bank. • Container – Polypropylene Co-polymer/hard rubbers with carrying handle. • Terminals – Made of lead alloy suitable for bolted connection. The terminals should be greased with petroleum gel. • Self-Discharge – Less than 3% per month at 30⁰C • Life expectancy – 1500 cycle duty at 27⁰C at 80% depth of discharge 3000 cycle duty at 50% discharge. • Service Life – Manufacturer warranty minimum 3 years.

Note:- Specification are general not of any Particular make/brand

दिनांक :

निविदादाता के हस्ताक्षर मय मोहर

स्थान :

निविदा के साथ संलग्न किये जाने वाले दस्तावेजों की सूची:-

1. जी.एस.टी पंजीयन प्रमाण पत्र की प्रति
2. पेन कार्ड की प्रति
3. हस्ताक्षर युक्त निविदा की शर्तों एवं आवश्यक निर्देशों की प्रति
4. हस्ताक्षर युक्त परिशिष्ट/Annexures A, B, C, D

दिनांक :

निविदादाता के हस्ताक्षर मय मोहर

स्थान :



कोटा विश्वविद्यालय, कोटा

महाराव भीमसिंह मार्ग, कबीर सर्किल के पास, कोटा

निविदा की विशिष्ट शर्तें

1. आदेश जारी होने की दिनांक से 30 दिवस की अवधि में सामान की आपूर्ति कोटा विश्वविद्यालय, कोटा के भौतिक भास्त्र विभाग में करनी होगी।
2. सफल निविदादाता को निर्धारित राशि रु. 500/- के नॉन-जूडिशियल स्टॉम्प पर विश्वविद्यालय से अनुबन्ध सम्पादित करना होगा।
3. न्यूनतम दर पर कार्य दिया जाना आवश्यक नहीं होगा।
4. किसी भी विवाद की स्थिति में विश्वविद्यालय के कुलपति का निर्णय अन्तिम होगा तथा दोनों पक्षों को मान्य होगा।
5. दरें निविदा सूचना में दिये गये निर्देशों के अनुसार यथोचित रूप से मुहरबन्द लिफाफे में बन्द करके भेजी जानी चाहिए।
6. लिफाफे के ऊपर **“Supply of Solar System Material for RAE Project”** साफ अक्षरों में लिखा जाए।
7. मांगी गई वस्तुओं/सामग्री के लिए माल उत्तम किस्म का प्रयोग में लेना होगा।
8. निविदा उन फर्मों/व्यापारियों द्वारा ही जो या तो उन वस्तुओं/सामान/साज-सज्जा/मशीनों आदि के लिए रजिस्टर्ड/अनुमोदित प्रदायक है, या उनके द्वारा जो उस सामान का जिसके लिए निविदा दी जा रही है, वास्तव में व्यवसाय कर रहे हों, दी जानी चाहिए।
9. निविदादाता अपनी निविदा अथवा उसके सारमूल के किसी भी भाग को न तो किसी एजेन्सी को सौंप सकेगा और न ही किसी को आगे निविदा पर दे सकेगा।
10. प्रदाय किया गया सम्पूर्ण सामान व्यापार चिह्न के अनुसार सर्वोत्तम किस्म का ही स्वीकृत प्रमाणिक नमूनों से पूरी तरह मेल खाता हुआ होना चाहिए। सामान की किस्म के सम्बन्ध में स्वीकृत देने वाले प्राधिकारी का निर्णय अन्तिम होगा तथा निविदादाता को मान्य होगा। प्रदाय की जाने वाली वस्तुओं को अस्वीकृत अथवा बदले जाने के कारण प्रदायकों को हानि हो, तो वह पूर्ण रूप से निविदादाता की जिम्मेदारी होगी।
11. क्रेता अधिकारी अथवा उसका यथावत प्राधिकृत प्रतिनिधि सब उचित समयों पर प्रदायक के भू-गृह आदि (प्रेमिसेज) में जा सकेगा और सब उचित समयों सामान की तथा वस्तुओं की बनावट की जांच और परीक्षा करने के लिए वह सक्षम होगा। निविदादाता को अपने कार्यालय, गोदाम तथा वर्कशाप एवं उस व्यक्ति का नाम व पूरा पता देना चाहिए, जिससे इस प्रयोजन हेतु सम्पर्क स्थापित किया जा सके।
12. यदि वांछित किस्म, मेंक या परिमाण के अलावा सामान का अन्यथा प्रदाय होता है तो वह अस्वीकार कर दिया जायेगा तथा प्रदायक को बिना किसी अतिरिक्त मूल्य के उचित समय का बदला जाना संभव न हो तो ऐसी वस्तुओं का मूल्य यथोचित रूप से काट कर दिया जायेगा। क्रेता अधिकारी द्वारा नियत किए गये मूल्य अन्तिम होंगे।

13. अस्वीकृत वस्तुओं को अस्वीकृति की तारीख से 15 दिवस के भीतर उनके स्थान से निविदा देने वाले द्वारा अवश्य हटा लिया जाना चाहिए।
14. निविदादाता सामान की निर्धारित पैकिंग के लिए उत्तरदायी होगा। यदि उसमें कोई कमी पाई जायेगी तो ऐसी हानि या कमी को पूरा करने के लिए निविदादाता उत्तरदायी होगा। इसके कारण कोई अतिरिक्त राशि नहीं दी जाएगी।
15. समस्त उद्धृत दरें एफ.ओ.आर. डेस्टिनेशन होनी चाहिए तथा विश्वविद्यालय द्वारा कोई गाड़ी-भाड़ा या परिवहन व्यय नहीं दिया जाएगा तथा सामान की सुपुर्दगी विश्वविद्यालय में भौतिक शास्त्र विभाग में की जायेगी।
16. निविदा में दर्शायी गई मात्रा अनुमानित है वस्तुओं के प्रदाय की मात्रा आवश्यकतानुसार बढ़ाई/घटाई जा सकती है, जो निविदादाता को मान्य होगी।
17. निविदा स्याही से भरी जानी चाहिए। पेन्सिल से या अन्यथा भरी गई किसी भी निविदा पर विचार नहीं किया जाएगा। निविदा में कोई परिवर्तन तथा परिवर्धन नहीं किये जाने चाहिए। कोई उपरिलेखन (ओवर – राइटिंग) नहीं किया जाना चाहिए। शुद्धियां, यदि कोई हो, स्पष्ट रूप से की जानी चाहिए तथा उन पर लघुहस्ताक्षर किए जाने चाहिए।
18. निविदादाता की निविदा और करार की शर्तों और प्रतिबंधों की स्वीकृति के प्रतीक स्वरूप निविदा के प्रपत्र के प्रत्येक पृष्ठ पर अन्त में हस्ताक्षर करने चाहिए।
19. संवेदक को निविदा के साथ निविदा शुल्क राशि रु. 500/- (अक्षरे रु. पाँच सौ मात्र) तथा बोली प्रतिभूति राशि रु. 4500/- (अक्षरे रु. चार हजार पांच सौ मात्र) का डी.डी. (डिमाण्ड ड्राफ्ट) कुलसचिव, कोटा विश्वविद्यालय, कोटा के पक्ष में देय संलग्न होना चाहिए।
20. किसी वस्तु की मात्रा सम्पूर्ण अथवा आंशिक रूप से बिना कोई कारण बताए निरस्त की जा सकती है।
21. प्रदायक चाहे तो वस्तुओं का किसी भी प्रकार से होने वाली हानि आदि के लिए बीमा अपने स्वयं के खर्च पर करा सकता है।
22. जी.एस.टी. नियमानुसार अतिरिक्त देय होगा।

दिनांक :
स्थान :

निविदादाता के हस्ताक्षर मय मोहर

University of Kota, Kota

कोटा विश्वविद्यालय, कोटा

MBS Marg, Kabir Circle, Kota

Ph No.-0744-2472912/2472934 e-mail ID:-registrar@uok.ac.in

GENERAL CONDITIONS OF BID & CONTRACT

Note: - Bidders should read these conditions carefully and comply strictly while sending their bids.

1.	Bids must be enclosed in a properly sealed envelope according to the direction given in the Bid Notice.
2.	“Bids by bona-fide dealers: - Bids shall be given only by bona-fide dealers in the goods. They shall, therefore, furnish a declaration in the Annexure-B as prescribed in RTPP Rules, 2013.
3.	(i) Any change in the constitution of the firm, etc. shall be notified forth with by the contractor in writing to the Procurement Entity and such change shall not relieve any former member of the firm, etc. from any liability under the contract. (ii) No new partner/partners shall be accepted in the firm by the contractor in respect of the contract unless he/they agree to abide by all its terms, conditions and deposit with the Procurement Entity a written agreement to this effect. The contractors receipt for acknowledgement or that of any partners subsequently accepted as above shall bind all of them and will be sufficient to discharge for any of the purpose of the contract.
4.	GST Registration: - No Dealer who is not registered under the GST Act prevalent in the State where his business is located shall bid. The GST Registration Number should be quoted without which the bid is liable to rejection.
5.	In case of e-bidding, bid forms shall be filled electronically & to be submitted online. Bid filled physically shall not be considered. The bidder shall sign the bid form at each page and at the end in token of acceptance of all the terms and conditions of the bid.
6.	Rates shall be written both in words and figures. There should not be errors and/or over writings. Corrections, if any, should be made clearly and initiated with dates. The bidder should mention element of statutory taxes such as RGST/CGST, Entry Tax etc. separately as per BOQ/financial bid format.
7.	All rates quoted must be FOR and should include all incidental charges except statutory taxes such as Central/Rajasthan GST, Entry Tax etc. which should be shown separately. In case of local supplies the rates should include all taxes, etc., and no cartage or transportation charges will be paid by the University of Kota, Kota and the delivery of the goods shall be given as per delivery schedule. Goods to be purchased are for the purpose of official use, hence octroi is not payable. The rates, therefore, should be exclusive of octroi, and local tax.
8.	Purchase Preference:- Purchase preference will be given to the bidders as per the provisions of RTPP Act 2012 & RTPP Rules 2013, as amended from time to time.
9.	Validity:- Bid shall be valid for a period of 90 days from the Next date of opening of Technical Bid.
10.	The approved supplier shall be deemed to have carefully examined the conditions, specifications, size, make and drawings, etc., of the goods to be supplied. If he has any doubts as to the meaning of any portion of these conditions or of the specification, drawing, etc., he shall, before signing the contract, refer the same to the Procurement Entity and get clarification.
11.	The contractor shall not assign or sub-let his contract or any substantial part thereof to any other agency.
12.	Specifications:- (i) All article supplied shall strictly conform to the specifications, trade mark laid down in the bid form and wherever articles have been required according to ISI specifications, those articles should conform strictly to those specifications and should bear such marks. (ii) The supply of articles marked with asterisk/at serial number, shall in addition, conform strictly to the approved samples and in case of other material where there are no standard or approved samples, the supplies shall be of the best quality and description. The

	<p>decision of the Procurement Entity/Purchase Committee whether the articles supplied conform to the specifications and are in accordance with the samples, if any, shall be final and binding on the Bidders.</p> <p>(iii) Warranty/Guarantee Clause: - The bidder would give guarantee that the goods/stores/articles would continue to conform to the description and quality as specified for a period of days/months from the date of delivery of the said goods/stores/articles to be purchased and that notwithstanding the fact that the purchaser may have inspected and/or approved the said goods/stores/articles, if during the aforesaid period ofdays/months, the said goods/stores/ articles be discovered not to conform to the description and quality aforesaid or have determined (and the decision of the Procurement Entity in that behalf will be final and conclusive), the purchaser will be entitled to reject the said goods/stores/ articles or such portion thereof as may be discovered not to conform to the said description and quality, on such rejection the goods/articles/stores will be at the seller's risk and all the provisions relating to rejection of goods, etc., shall apply. The bidder shall if so called upon to do, replace the goods, etc. or such portion thereof as is rejection by the Procurement Entity, otherwise the bidder shall pay such damage as may arise by reason of the breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the Procurement Entity in that behalf under this contract or otherwise.</p> <p>(iv) In case of machinery and equipment also, guarantee will be given as mentioned in clause (iii) above and the bidder shall during the guarantee period replace the parts if any and remove any manufacturing defect if found during the above period so as to make machinery and equipment operative. The bidder shall also replace machinery and equipments in case it is found defective which cannot be put to operation due to manufacturing defect, etc.</p> <p>(v) In case of machinery and equipment specified by the Procurement Entity the bidder shall be responsible for carrying out annual maintenance and repairs on the terms and conditions as may be agreed. The bidder shall also be responsible to ensure adequate regular supply of spare parts needed for a specific type of machinery and equipments whether under their annual maintenance and repairs rate contract or otherwise. In case of change of model he will give sufficient notice to the Procurement Entity who may like to purchase spare parts from them to maintain the machinery and equipments in perfect condition.</p>
13.	<p>INSPECTION:-</p> <p>(a) The Procurement Entity or his dully authorized representative shall at all reasonable time have access to the suppliers premises and shall have the power at all reasonable time to inspect and examine the materials and workmanship of the goods/equipments/machineries during manufacturing process or afterwards as may be decided.</p> <p>(b) The bider shall furnish complete address of the premises of his office, godown and workshop where inspection can be made together with name and address of the person who is to be contacted for the purpose. In case of those dealers who have newly entered in business, a letter of introduction from their bankers will be necessary.</p>
14.	<p>Samples: -Bids for articles marked within the schedule shall be accompanied by two set of samples of the articles bided properly packed & signed. Such samples if submitted personally will be received in the office. A receipt will be given for each sample by the officer receiving the samples. Samples if sent by train etc. should be dispatched freight paid and the R/R or G.R. should be sent under a separate registered cover. Samples for catering/food items should be given in plastic box or in polythens bags at the cost of the bidder.</p>
15.	<p>Each sample shall be marked suitably either by written on the sample or on a slip of durable paper securely fastened to the sample, the name of the bidder and serial number of the item, of which it is a sample in the schedule.</p>
16.	<p>Approved samples would be retained free of cost up to the period of six months after the expiry of the contract. The University of Kota, Kota shall not be responsible for any damage, wear and tear or loss during testing, examination, etc. during the period these samples are retained. The sample shall be collected by the bidder on the expiry of stipulated period. The University of Kota, Kota shall in no way make arrangements to return the samples. The samples uncollected</p>

	within 9 months after expiry of contract shall be forfeited by the University of Kota, Kota and no claim for their cost, etc., shall be entertained.
17.	Samples not approved, shall be collected by the unsuccessful bidder. The University of Kota, Kota will not be responsible for any damage, wear and tear, or loss during testing, examination, etc., during the period these samples are retained. The uncollected samples shall be forfeited and no claim for their cost, etc., shall be entertained.
18.	Supplies when received shall be subject to inspection to ensure whether they conform to the specifications or with the approved samples. Where necessary or prescribed or practical, tests shall be carried out in University of Kota, Kota laboratories and reputed testing house like MSME Testing Station, Jaipur etc. and the supplies will be accepted only where the articles conform to the standard of prescribed specifications as a result of such test.
19.	Drawl of Samples: -Incase of tests, samples shall be drawn in four sets in the presence of bidder or his authorized representative and properly sealed in their presence. One such set shall be given to them, one or two will be sent to the laboratories and/or testing house and the third or fourth will be retained in the officer for reference and record.
20.	Testing Charges: - Testing charges shall be borne by the University of Kota, Kota. In case urgent testing is desired to be arranged by the bidder or in case of test result showing that supplies are not up to the prescribed standards or specifications, the testing charges shall be payable by the bidder.
21.	Rejection:- (i) Articles not approved during inspection or testing shall be rejected and will have to be replaced by the bidder at his own cost within the time fixed by the Procurement Entity. (ii) If, however, due to exigencies of University of Kota, Kota work, such replacement either in whole or in part, is not considered feasible, the Procurement Entity after giving an opportunity to the bidder of being heard shall for reasons to be recorded, deduct a suitable amount from the approved rates. The deduction so made shall be final.
22.	The rejected articles shall be removed by the bidder within 15 days of intimation of rejection, after which Procurement Entity shall not be responsible for any loss, shortage or damage and shall have the right to dispose of such articles as he thinks fit, at the bidder's risk and on his account.
23.	The bidder shall be responsible for the proper packing so as to avoid damage under normal conditions of transport by sea, rail and road or air and delivery of the material in good condition to the consignee at destination. In the event of loss, damage, breakage or leakage or any shortage the bidder shall be liable to make goods such loss and shortage found at the checking/inspection of the materials by the consignee. No extra cost on such account shall be admissible.
24.	The contract for the supply, can be repudiated at any time by the Procurement Entity, if the supplies are not made to his satisfaction after giving an opportunity to the bidder of being heard and recording of the reasons for repudiation.
25.	Direct or indirect canvassing on the part of the bidder or his representative will be a disqualification.
26.	(i) Delivery Period: - The bidder whose bid is accepted shall arrange supplies/services within a period of 30 Days from the date of supply/work order. (ii) Extent of quantity – Repeat orders: - If the orders are placed in excess of the quantities shown in the bid notice, the bidder shall be bound to meet the required supply. Repeat orders for extra items or additional quantities may be placed on the rate and conditions given in the bid. Delivery or completion period may also be proportionately increased. The limits of repeat order shall be as under:- (a) 50% of the quantity of the individual items and 50% of the value of original contract in case of works and; (b) 50% of the value of goods or services of the original contract; (c) If the bidder fails to do so, the Procurement Entity shall be free to arrange for the balance supply by limited bid or otherwise and the extra cost incurred shall be recoverable from the bidder. (iii) If the Procurement Entity does not purchase any of the bided articles or purchases less than the quantity indicated in the bid form, the bidder shall not be entitled to claim any compensation.

27.	<p>Bid Security (B.S.):-</p> <p>(a) Bid shall be accompanied by Bid Security @ 2% of estimated value of the bid, without which bids will not be considered. The amount should be deposited in either of the following forms in favour of University of Kota, Kota:-</p> <p>(i) Bank Draft/Bankers Cheque/ Bank Guarantee in specified format of the scheduled Bank/Cash.</p> <p>(ii) Bid Security must remain valid 30 days beyond the original or extended validity period.</p> <p>(b) Refund of Bid Security: - The Bid Security of unsuccessful bidder shall be refunded soon after final acceptance of bid i.e. after deposit of performance security & signing of Agreement.</p> <p>(c) Partial exemption from Bid Security: - In case of Small Scale Industries of Rajasthan, the bid security will be 0.5% of the quantity offered for supply and in case of sick industries, other than small scale industries, whose cases are pending with Board of Industrial and Financial Reconstruction, it shall be 1% of the value of bid.</p> <p>(d) The central Government and Government of Rajasthan undertakings need not furnish any amount of Bid Security. However, they shall have to furnish a bid securing declaration as per rule 42 of RTPP Rules, 2013.</p> <p>(e) The Bid Security/Performance Security money deposit lying with the Department/office in respect of other bids awaiting approval or rejected or on account of contracts being completed will not be adjusted towards Bid Security/Performance Security money for the fresh bids. The Bid Security may however, be taken into consideration in case bids are re-invited.</p>
28	<p>Forfeiture of Bid Security:- The Bid Security will be forfeited in the following cases:</p> <p>(a) When bidder withdraws or modifies its bids after opening of bids;</p> <p>(b) When bidder does not execute the agreement if any, after placement of supply/work order within specified time;</p> <p>(c) When the bidder fails to commence the supply of the goods or service or execute work as per supply/work order within the time specified;</p> <p>(d) When the bidder does not deposit the performance security within specified period after the supply/work order is placed; and</p> <p>(e) If the bidder breaches any provision of code of integrity prescribed for bidders specified in the Act and Chapter VI of RTPP rules.</p>
29.	<p>Agreement and Performance Security deposit (Rule 75 & 76 of RTPP Rules, 2013):-</p> <p>(1) (i) A Successful bidder shall sign the procurement contract in the prescribed format and deposit performance security. The amount of performance security shall be 5% of the amount of supply order in case of procurement of goods and services. In case of Small-Scale Industries of Rajasthan, it shall be 1.0% and in case of sick industries, other than Small Scale Industries, whose cases are pending before the BIFR, it shall be 2.0% of the amount of supply order. The bidder shall have to execute the agreement on a non-judicial stamp of Rs. 500/- at its cost.</p> <p>(ii) Performance security shall be furnished by the successful bidder within the 15 days from the date of award of contract.</p> <p>(iii) No interest will be paid by the department on the Performance Security money.</p> <p>(iv) Performance security shall be furnished in any one of the following forms:-</p> <ol style="list-style-type: none"> Bank Draft or Banker's Cheque of a scheduled bank; National Saving Certificates and any other script/instrument under National Saving Schemes for promotion of small saving issued by a Post Office in Rajasthan, if the same can be pledged under the relevant rules. They shall be accepted at their surrender value at the time of bid and formally transferred in the name of procuring entity with the approval of Head Post Master. Bank guarantee/s of a scheduled bank. Fixed Deposit Receipt (FDR) of a Scheduled Bank. <p>(V) The Performance security furnished in the form specified in clause (a) to (d) shall remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the bidder, including warranty obligations and maintenance and defect liability period.</p> <p>(vi) The Performance Security to be refunded within one month of the final supply of the items</p>

	<p>as per purchases order in case of one time purchase and two months in case delivery is staggered, after the expiry of contract on satisfaction completion of the same or after the expiry of the period of guarantee if any, whichever is later and after satisfied there are no dues outstanding against the bidder.</p> <p>(2) Central Government and Government of Rajasthan Undertakings will be exempted from furnishing Performance security amount. However, they shall have to furnish a performance security declaration as per Rule 75 of RTPP Rules, 2013.</p> <p>(3) Forfeiture of Performance Security Deposit:- Performance Security amount in full or part may be forfeited in the following cases:-</p> <p>(a) When any terms and conditions of the contract is breached.</p> <p>(b) When the bidder fails to make complete supply satisfactorily.</p> <p>(c) Notice of reasonable time will be given in case of forfeiture of performance security deposit. The decision of the Procurement Entity in this regard shall be final.</p> <p>(4) The expenses of completing and stamping the agreement shall be paid by the bidder and the department shall be furnished free of charge with one executed stamped counter part of the agreement as per provisions of RTPP Act 2012 & Rules 2013.</p>								
30.	<p>Insurance:-</p> <p>(i) The goods will be delivered at the destination go down in perfect condition. The supplier, if he so desires, may be insured the valuable goods against loss by theft, destruction or damage, by fire, flood, under exposure to whether or otherwise viz. (war, rebellion, riot, etc.). The insurance charges will be borne by the supplier and University of Kota will not be required to pay such charges, if incurred.</p> <p>(ii) The articles may also be got insured at the cost of the Purchaser, if so desired by the purchaser. In such cases, the insurance should invariably be with Life Insurance Corporation of India or its subsidiaries.</p>								
31.	<p>Payments:-</p> <p>(i) Unless otherwise agreed between the parties, payment for the delivery of the stores will be made on completion of supply satisfactorily and on submission of bill in proper form by the bidder to the</p> <p>(ii) Procurement Entity in accordance with relevant provisions of BF&AR, GF&AR and RTPP Act 2012 & Rules 2013, as amended from time to time and all remittance charges will be borne by the bidder.</p> <p>(iii) In case of disputed items, 10 to 25% of the amount shall be withheld and will be paid on settlement of the dispute.</p> <p>(iv) Payment in case of those goods which need testing shall made only when such tests have been carried out, test results received conforming to the prescribed specification.</p>								
32.	<p>Liquidated Damages:-</p> <p>(a) (i) The time specified for delivery in the bid form shall be deemed to be the essence of the contract and the successful bidder shall arrange supplies within the period on receipt of the firm order from the purchase officer.</p> <p>(ii) Liquidated Damages:- In case of extension in the delivery period with liquidated damage the recovery shall be made on the basis of following percentage of value of stores which the bidder has failed to supply:-</p> <table border="1" data-bbox="344 1704 1445 1854"> <tr> <td>Delay up to one fourth period of the prescribed delivery period</td> <td>2½%</td> </tr> <tr> <td>Delay exceeding on front but not exceeding half of the prescribed period</td> <td>5%</td> </tr> <tr> <td>Delay exceeding half but not exceeding three fourth of the prescribed period</td> <td>7½%</td> </tr> <tr> <td>Delay exceeding three fourth of the prescribed period</td> <td>10%</td> </tr> </table> <p>(b) Fraction of a day in reckoning period of delay in supplies shall be eliminated if it is less than half a day.</p> <p>(c) The maximum amount of liquidated damage shall be 10%</p> <p>(d) If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance, he shall apply in writing to the authority, which has placed the supply order, from the same immediately on occurrence of the hindrance but not after the</p>	Delay up to one fourth period of the prescribed delivery period	2½%	Delay exceeding on front but not exceeding half of the prescribed period	5%	Delay exceeding half but not exceeding three fourth of the prescribed period	7½%	Delay exceeding three fourth of the prescribed period	10%
Delay up to one fourth period of the prescribed delivery period	2½%								
Delay exceeding on front but not exceeding half of the prescribed period	5%								
Delay exceeding half but not exceeding three fourth of the prescribed period	7½%								
Delay exceeding three fourth of the prescribed period	10%								

	<p>stipulated date of completion of supply.</p> <p>(e) Delivery period may be extended with or without liquidated damages if the delay in the supply of goods is on account of hindrances beyond the control of the bidder.</p>
33.	<p>Risk & Cost clause: -The competent authority of UOK without prejudice to his right against the approved supplies in respect of any delay or inferior performance of otherwise or claims for delay in respect of any breaches of the contract and without prejudice to any rights or remedies under any of the provisions of the contract or otherwise, by notice in writing absolutely determined the contract in any of the cases.</p> <p>(i) A notice in writing to rectify, or otherwise that the work being performed is inefficient or otherwise implemented in improper manner, shall omit to comply with the requirement of such notice within a period of 07 days or for prescribed time, thereafter of if the supplier shall delay or suspended the execution of the work so that either in the judgment of the competent authority, he will be unable to perform the work by the satisfaction of UOK or has already failed to complete the work by the time.</p> <p>(ii) If the supplier commits breach of the terms & conditions the contract.</p> <p>(iii) When the supplier has made himself liable for action under any of the cases aforesaid , the competent authority, shall exercise power:-</p> <p>(a) To determine or rescind the contract, as aforesaid, upon such determination or rescission, the bid security, performance security shall be liable to be forfeited and shall be absolutely at the disposal of UOK.</p> <p>(b) To get the work done through other service provider (SP) and in such case any expenses which may be incurred in excess, of the sum which would have been paid to the original SP, if the whole work had been executed by him of the amount of which excess, the decision of the UOK shall be final and conclusive and shall be borne and paid by the original SP that may be deducted from any money due to him by the UOK or from his bid security, performance security. However the original SP shall have no claim to compensation for any loss sustained by him or reason for having purchased or procured any material, equipment or entered into any engagements or made advances on account of execution/performance of contract.</p>
34.	<p>Recoveries: - Recoveries of liquidated damages, short supply breakage, rejected articles shall ordinary be made from bills. Amount may also be withheld to the extent of short supply, breakages, rejected articles and in case of failure in satisfactory replacement by the supplier along with amount of liquidated damages shall be recovered from his dues and security deposit available with the department. In case recovery is not possible recourse will be taken under Rajasthan PDR Act or any other law in force.</p> <p>Any recovery on account of LD charges/ risk & cost charges in respect of previous rate contracts/supply orders placed on them by the University of Kota can also be recovered from any sum accrued against this e-Bid after accounting for untied sum or due payment sum lying with the University of Kota against previous rate contract/supply orders. Firm will submit details of pending amount lying with the University of Kota but decision of the University of Kota regarding authenticity of sum payable will be final.</p>
35	<p>Price Fall Clause:-</p> <p>(i) The prices under a rate contract will be subject to price fall clause. The price charged for the supply of goods / items under the contract by the successful Bidder will in no event exceed the lowest price at which the successful Bidder sells the supply of goods / items of identical description to any other person in the state during the period of contract.</p> <p>(ii) If at any time during the said period, the contractor reduces the sale price of such supply of goods / items sells such supply of goods / items to any other person at a price lower than the price chargeable under the contract he will forthwith notify such reduction of sales to the University of Kota and the price payable under the contract for the supply of goods / items supplied after the date of coming into force of such reduction of sale will stand correspondingly reduced. The successful Bidder will furnish certificate in the manner required by the University of Kota to the</p>

	<p>effect that the provision of this clause has been duly complied with respect to supplies made or billed for up to the date of certification.</p> <p>(iii) If at any time during the period of contract, the price of bided items is reduced or brought down by any law or Act of the Central or State Government or by the Bidder himself, the Bidder will be bound to inform ordering authority immediately about it. Ordering authority empowered to unilaterally effect such reduction as is necessary in rates in case the Bidder fails to notify or fails to agree for such reduction of rates.</p>
36.	Bidders must make their own arrangements to obtain import licence, if necessary.
37.	If a bidder imposes conditions, which is in addition to or in conflict with the conditions mentioned herein, his bid is liable to summary rejection. In any case none of such conditions will be deemed to have been accepted unless specifically mentioned in the letter of acceptance of bid issued by the Procurement Entity.
38.	The Procurement Entity reserves the right to accept any bid not necessarily the lowest, reject any bid without assigning any reasons and accept bid for all or anyone or more of the articles for which bidder has been given or distribute items of stores to more than one firm/supplier.
39.	The bidder shall furnish the following documents at the time of execution of agreement:- <ul style="list-style-type: none"> i. Attested copy of partnership deed in case of partnership firms. ii. Registration number and year registration in case partnership firm is registered with Registrar of Firms. iii. Address of residence and office, telephone numbers in case of sole proprietorship. iv. Registration issued by Registrar of Companies in case of company.
40.	If any dispute, arise out of the contract with regard to the interpretation meaning and breach of the terms of the contract, the matter shall be referred to by the parties to the Head of the University (HVC) who will appoint his senior most officer as the sole Arbitrator of the dispute who will not be related to this contract and whose decision shall be final.
41.	All legal proceeding, if necessary arise to institute may by any of the parties (University of Kota, Kota or Contractor) shall have to be lodged in courts situated in Kota and not elsewhere.
42.	All other/remaining relevant general terms & conditions shall be applicable as laid down in GF&R Rajasthan Transparency in Public Procurement Act 2012 and RTPP Rules 2013 as amended from time to time, and other relevant rules applicable in University of Kota, Kota.

Note:- I have read the above terms and conditions of contract carefully and I shall be abide by the same in the event of successful bidder.

Date:

Place:

Signature & Seal of the Bidder

Annexure A: Compliance with the code of Integrity and No Conflict of Interest.

Any person participating in a procurement process shall-

- (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) Not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) Not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) Not indulge in any correction including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) Not obstruct any investigation or audit of a procurement process;
- (g) Disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:-

The Bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

- i. A Bidder may be considered to be in Conflict of interest with one or more parties in a bidding process if, including but not limited to;
 - a. Have controlling partners/shareholders in common; or
 - b. Receive or have received any direct or indirect subsidy from any of them; or
 - c. Have the same legal representative for purpose of the Bid; or
 - d. Have the relationship with each other, directly or through common third parties, that puts them in a position to have access have to information about or influence on the bid of another Bidder, or influence the decision of the procuring Entity regarding the bidding process; or
 - e. The bidder participates in more than one bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
 - f. The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specification of the Goods, Works or Service that are the subject of the Bid; or
 - g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring Entity as engineer-in-charge/consultant for the contract.

Date:

Place:

Signature of bidder

Name:

Designation:

Address:

Annexure B: Declaration by the Bidder regarding Qualifications
Declaration by the Bidder

In relation to my/our Bid submitted tofor procurement ofin response to their Notice Inviting Bids No.....datedI/We hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/We possess the necessary professional, technical, financial and managerial resources and competence required by the Biding Document issued by the Procuring Entity;
2. I/We have fulfilled my/our obligation to pay such of the taxes payable to the union and the State Government or any local authority as specification in the Bidding Document;
3. I/We have are not insolvent in receivership, bankrupt or being wound up, not have my/our affairs administrated by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceeding for any of the foregoing reasons;
4. I/We do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conducted or the making of false statement or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceeding;
5. I/We do not have a conflict of interest as specification in the Act, Rules and the bidding Document, which material affects fair competition;

Date:
Place:

Signature of bidder
Name:
Designation:
Address:

Annexure C: Grievance Redressal during Procurement Process

The designation and the address of the first Appellate Authority is **Hon'ble Vice-Chancellor, University of Kota, Kota.**

The designation and the address of second Appellate Authority is **ACS (Higher Education), Government of Rajasthan.**

Filing an appeal

If any bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the act or the rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Providing that after the declaration of a Bidder as successful the appeal may be filled only by a Bidder who has participated in procurement proceeding:

Providing further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filled only by a Bidder whose Technical Bid is found to be acceptable.

- (1) The officer to whom an appeal is filed under Para (1) shall deal with the appeal as expeditiously as possible and shall endeavor to dispose it of within thirty days from the date of the appeal.
- (2) If the officer designated under Para (1) fails to dispose of the appeal filed within the period specified in Para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidder Document in this behalf within fifteen days from the expiry of the period specified in Para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(3) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) Determination of need of procurement;
- (b) Provisions limiting participation of Bidders in the Bid process;
- (c) The decision of whether or not to enter into negotiations;
- (d) Cancellation of a procurement process;
- (e) Applicability of the provisions of confidentiality.

(4) Form of Appeal

- (a) An appeal under Para (1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

(5) Fee for Filing Appeal

- (a) Fee for first appeal shall be two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non refundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(6) Procedure for disposal of appeal

- (a) The First Appellate Authority or Second Appellate Authority, as the case may be upon filing of appeal, shall issued notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date of fix hearing, the First Appellate Authority or Second Appellate Authority, as the case may be shall,-
 - (i) Hear all the parties to appeal present before him; and
 - (ii) Peruse or inspect documents, relevant records or copies thereof relating to the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

Date:
Place:

Signature of bidder
Name:
Designation:
Address:

Annexure D: Additional Conditions of Contract

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, that Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Deceleration shall be executed.

2. Procuring Entity's Right to vary Quantities.

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit price or other terms & conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procurement Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

3. Dividing quantities among more than one Bidder at the time of award (In case of procurement of Goods)

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

Date:
Place:

Signature of bidder
Name:
Designation:
Address:



कोटा विश्वविद्यालय, कोटा

महाराव भीमसिंह मार्ग, कबीर सर्किल के पास, कोटा

(निविदा सूचना संख्या / 2024-25)

- कार्य का नाम Supply of Solar System Material for RAE Project
- कार्य की अनुमानित लागत राशि रु. 2.25 लाख (अक्षरे रु. दो लाख पच्चीस हजार मात्र)
- निविदा प्रस्तुत करने वाली फर्म का नाम,
पत्र व्यवहार का पता एवं
दूरभाष नंबर

पार्ट-(ब)-वित्तीय प्रस्ताव

S. No.	Name of the Item	Technical Specifications	Qty	Basic Unit Rate (Rs.)	GST & Taxes	Total amount including GST and all taxes (Rs.)
1.	SOLAR PV MODULE (Bi-facial)	<ul style="list-style-type: none">Cells: Half-cut mono-crystalline, P-type bi-facial solar cells, MBB bus barCapacity: Minimum 500 WNumber of cells: Min 144Module efficiency: more than 22%Encapsulation: High volume resistivity and low MVTRSubstrate: Semi-transparent glass-2.00 mmMaximum series fuse rating: 25 AFrame: Anodized frameCompliance:<ul style="list-style-type: none">Crystalline Silicon Terrestrial PV Modules: IEC 61215 / IS14286In addition, the modules must conform to IEC 61730 Part1-requirements for construction & Part 2 - requirements for testing, for safety qualification or Equivalent IS (Under Dev.)Warranty:<ul style="list-style-type: none">Output wattage should not be less than 90% at the end of 10 years and 80% at the end of 30 years.RFID Tag Information:<ul style="list-style-type: none">Manufacturer of PV ModuleManufacturer of Solar cellsMonth and year of manufactureCountry of originI-V curve for the modulePeak Wattage, I_m, V_m, and FF for the moduleUnique serial and model numberDate and year of obtaining IEC PV module qualification certificateName of the test lab issuing IEC certificateAnti-reflective coating on the solar glassIP 68 rating Junction boxFrame thickness: minimum 36 mmTo connect the solar module interconnection 4 SQMM double insulated copper cable with	04			

		<p>MC-4 terminal should be provided. The interconnecting cables shall be encapsulated by heat shrinkable sleeves to withstand high temperature up to 100⁰C. The terminal box on the module should have a provision for opening for replacing the cable, if required.</p> <ul style="list-style-type: none"> • Module junction box (weather proof) shall be designed for long life outdoor operation in harsh and corrosive environment. • All materials used shall have a proven history of reliable and stable operation in external applications at site conditions as mentioned elsewhere. • The rated output power of any supplied module shall not vary more than + 3-5% (only + tolerance is acceptable) from the average power rating of all modules. • The module frame is made of corrosion resistant materials, which is electrolytically compatible with the structural material used for mounting the module. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of the solar modules. • The module termination box shall be of reputed make confirming to IP65, UV resistant & made up of thermoplastic material. • Protective devices against surges at the PV module shall be provided, if required. Low voltage drop bypass and/or blocking diode(s) may also be provided, if required. 			
2.	SOLAR PV MODULE (Mono-facial)	<ul style="list-style-type: none"> • Cells: Half-cut mono-crystalline, P-type monofacial solar cells, MBB bus bar • Capacity: Minimum 500 W • Number of cells: Min 144 • Module efficiency: more than 20% • Encapsulation: High volume resistivity and low MVTR • Substrate: White backsheet • Maximum series fuse rating: 25 A • Frame: Anodized frame • Compliance: <ul style="list-style-type: none"> • Crystalline Silicon Terrestrial PV Modules: IEC 61215 / IS14286 • In addition, the modules must conform to IEC 61730 Part 1-requirements for construction & Part 2 - requirements for testing, for safety qualification or Equivalent IS (Under Dev.) • Warranty: <ul style="list-style-type: none"> • Output wattage should not be less than 90% at the end of 10 years and 80% at the end of 30 years. • RFID Tag Information: <ul style="list-style-type: none"> • Manufacturer of PV Module • Manufacturer of Solar cells • Month and year of manufacture • Country of origin • I-V curve for the module • Peak Wattage, I_m, V_m, and FF for the module • Unique serial and model number 	05		

		<ul style="list-style-type: none"> • Date and year of obtaining IEC PV module qualification certificate • Name of the test lab issuing IEC certificate • Anti-reflective coating on the solar glass • IP 68 rating Junction box • Frame thickness: minimum 36 mm • To connect the solar module interconnection 4 SQMM double insulated copper cable with MC-4 terminal shall be provided. The interconnecting cables shall be encapsulated by heat shrinkable sleeves to withstand high temperature up to 100⁰C. The terminal box on the module should have a provision for opening for replacing the cable, if required. • Module junction box (weather proof) shall be designed for long life outdoor operation in harsh and corrosive environment. • All materials used shall have a proven history of reliable and stable operation in external applications at site conditions as mentioned elsewhere. • The rated output power of any supplied module shall not vary more than + 3-5% (only + tolerance is acceptable) from the average power rating of all modules. • The module frame is made of corrosion resistant materials, which is electrolytically compatible with the structural material used for mounting the module. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of the solar modules. • The module termination box shall be of reputed make confirming to IP65, UV resistant & made up of thermoplastic material. • Protective devices against surges at the PV module shall be provided, if required. Low voltage drop bypass and/or blocking diode(s) may also be provided, if required. 			
3.	INVERTE R-1.5kVA	<p>The inverter should confirm IEC 61683 /IS 61683, IS 16169/IEC 62116, IEC 60068 and should be based on UPS design. Inverters would display its own parameters. Beyond the maximum load the inverters will trip. Salient features of the Inverters shall be as follows:</p> <ul style="list-style-type: none"> • The sine wave output of the inverter shall be 220V, Single phase, 2 wire 50 HZ AC LT voltage. • Inverter shall provide display of PV array DC voltage & current, Battery Voltage & Current, Inverter Voltage & Current, Grid voltage & Current, Battery charging status and required parameters when fault occurs. • Operating temperature Range shall be 0 - 55⁰ C. • Inverter Capacity – Single Phase, 24/48 VOLT, 1.5 kW. • INPUT <ul style="list-style-type: none"> • Maximum Peak DC Input Power – 2 kW • Maximum DC input voltage – 550 V dc 	02		

		<ul style="list-style-type: none"> • Maximum DC input Current – 13 A • MPPT Short Circuit Current – 19.5 A • MPPT Tracking Voltage – 70-500 V dc • Startup DC input Voltage – 80 V dc • Number of MPPT Trackers – 1 • Strings per MPPT Trackers – 1/1 • OUTPUT <ul style="list-style-type: none"> • Rated output power – 1.5 kW • Maximum active power – 1.7 kW • Nominal output voltage – 220 V (140V-300V) • Rated Ac grid output current – 6.5 A • Maximum AC output current – 7.2 A • Output power factor – 0.8 leading to 0.8 lagging • Operating Phase – single phase • Frequency range – 47 - 52 Hz • Overload Capacity – 200% for 5 Second • Efficiency – 80% at 50% of load and more than 90% at full load (0.8 PF) • Short Circuit Protection – Circuit Breaker and Electronics protection against sustained fault. • Low Battery Voltage – Automatic Shut Down. • Total Harmonic Distortion – Less than 3% • Over Voltage – Automatic Shut Down. • AC over Current/Load – Automatic Shut Down. • Protection – Over Voltage both at Input & Output, Over Current both at Input & Output, Over Frequency & Surge voltage inducted at output due to external source. • D.G Synchronization – Yes • Noise emission – <25 db • Warranty – Minimum 8 years • Cooling concept – Natural cooling • Topology – Transformerless • Protection Degree – IP20/IP21 Instrumentation & Indication – Input & Output voltage, Input & Output Current, Frequency, Power Output, different status of inverter, kind of fault by audio signal. <p>Remote monitoring of inverter parameters should be possible.</p>				
4.	MPPT INVERT ER- 2.5kVA	<p>The inverter should confirm IEC 61683 /IS 61683, IS 16169/IEC 62116, IEC 60068 and should be based on UPS design. Inverters would display its own parameters and the parameters of battery bank connected to the inverter. Beyond the maximum load the inverters will trip. The inverters should be designed to be completely compatible with the charge controllers and distribution panels and are of integrated design. Salient features of the Inverter</p> <p>Pure sine wave inverter</p> <ul style="list-style-type: none"> • 32-bit High Performance μ-controller • Built in dual interleaved MPPT solar charge controller • 4 stage intelligent charging to ensure longer battery 	02			

		<p>life</p> <ul style="list-style-type: none"> • Grid charger mute option • Solar over voltage and reverse polarity protection • Overload, short circuit, foldback current limiting, over temperature battery low/ high protection • Grid high & low voltage cut off to protect sensitive home equipment's. • Grid input wide and narrow (sensitive) modes. • Wide mode works from 100 V to 290 V AC • Narrow mode works from 170 V - 270 V AC to protect sensitive home/office equipments • Battery charging from Grid as low as 110 V AC • Grid charging current- High, Low or Mute. • Battery capacity selection from 150 Ah to 220 Ah, with auto charging current selection • Suitable for Tubular LMLA, SMF or Gel batteries • Solar/Grid preference- If solar is selected, grid charger will be OFF. Grid charger will start only if the battery low happens. Under both modes solar charger will work if solar power is available. once the battery is fully charged during the day the load will be shared by solar and battery, to maximize solar energy utilization and reduction in electricity bill. • Zero current drain from Grid if the grid charging is not enabled, System runs cooler and prevents wastage of grid power. <ul style="list-style-type: none"> • The PCU should be designed to be completely compatible with the SPV array voltage. • The combined KVA rating of all PCUs shall not be less than corresponding KVA at standard temperature. • Optimum numbers of central inverter with MPPT shall be used with the power plant for maximum efficiency and shall be efficient based on PWM MPPT with IGBT/ reliable power-based design. • The sine wave output of the inverter shall be 230V, Single phase, 2 wire 50 HZ AC LT voltage for power plant capacity 1 KWp. • The peak inverter efficiency inclusive of built in isolation transformer shall exceed 90% at full load. • Inverter shall provide display of PV array DC voltage & current, Battery Voltage & Current, Inverter Voltage & Current, Grid voltage & Current, Battery charging status and required parameters when fault occurs. Remote monitoring of inverter parameters should be possible. • Operating temperature Range shall be 0 to 55 deg C. • The charge controller/ MPPT units should qualify to IEC standards. • Online microprocessor-based Data Acquisition Systems and Remote Monitoring facility for 365 days with data Recovery from remote location should equip. • Firm should have sufficient enclosure on report preparation and should provide energy generation report on demand of officials. • All PCUs must be provided with remote 				
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		<p>monitoring and data acquisition systems.</p> <ul style="list-style-type: none"> • PCU should work at low voltage range from 110 v to 230 v. • There should be provision to charge the battery using Grid power as long as Grid voltage is between 170V- 265V. In case the Grid voltage falls below 170V up to 130V, Grid charging shall stop but load shall continue to run using Grid supply not by Solar. In case of three phase system, phase to neutral voltage shall be in this range for all three phases. • There should be provision to export excess PV power to Grid in case the load consumption is less than actual generation only for the plants having capacity equal to and more than 05 KW. • Inverter Capacity – Single Phase, 24/48 VOLT, 2.5 KW/ 2.5 KVA • Nominal Battery Bank Voltage – 36V DC • Control Type – Dual Interleaved PWM MPPT with MOSFET <p>Grid Input</p> <ul style="list-style-type: none"> • Operating Voltage Range (Narrow Mode) - 170 V AC – 270 V AC • Operating Voltage Range (Wide Mode) - 100 V AC – 290 • Operating Frequency Range - 42 Hz – 54 Hz <p>Grid Output</p> <ul style="list-style-type: none"> • Output Voltage (Battery Mode) – 220 V - 230 V - 240 V AC (Settable, default: 230 V AC) • Output Voltage (On Grid Mode) – Same as Input Grid Voltage and Frequency • Time Delay – System should be synchronized to grid phase and frequency before transfer • Output Frequency (Battery Mode) - 50 Hz ± 0.5 Hz • Output Waveform - Pure Sine Wave with < 5 % Total Harmonic Distortion (THD) • Efficiency ≥ 90% • Transfer Time < 15 ms (Mains to Inverter and Inverter to Mains) • Power Factor ≥ 0.9 <ul style="list-style-type: none"> • Output frequency – 50 Hz +/- 0.5 Hz • Maximum Load (Resistive) – 20000 W • Overload Capacity – 200% for 5 Second • Efficiency – 80% at 50% of load and more than 90% at full load (0.8 PF) • Short Circuit Protection – Circuit Breaker and Electronics protection against sustained fault. • Low Battery Voltage – Automatic Shut Down. • Total Harmonic Distortion – Less than 3% • Over Voltage – Automatic Shut Down. • AC over Current/Load – Automatic Shut Down. 				
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		<ul style="list-style-type: none"> • Protection – Over Voltage both at Input & Output, Over Current both at Input & Output, Over Frequency & Surge voltage inducted at output due to external source. • D.G Synchronization – Yes • Protection Degree – IP20/IP21 Instrumentation & Indication – Input & Output voltage, Input & Output Current, Frequency, Power Output, different status of inverter, kind of fault by audio signal.				
5.	BATTERY BANK-200AH	<p>The battery should have long service life. The cells should confirm IEC 61427 / IS 1651 / IS 133369 and as per specification given below shall be provided.</p> <ul style="list-style-type: none"> • Capacity – 12V, C10, minimum 200 AH LMLA Battery Bank. • Container – Polypropylene Co-polymer/hard rubbers with carrying handle. • Terminals – Made of lead alloy suitable for bolted connection. The terminals should be greased with petroleum gel. • Self-Discharge – Less than 3% per month at 30⁰C • Life expectancy – 1500 cycle duty at 27⁰C at 80% depth of discharge 3000 cycle duty at 50% discharge. • Service Life – Manufacturer warranty minimum 3 years. 	01			
6.	BATTERY BANK-100AH	<p>The battery should have long service life. The cells should confirm IEC 61427 / IS 1651 / IS 133369 and as per specification given below shall be provided.</p> <ul style="list-style-type: none"> • Capacity – 12V, minimum 100 AH LMLA Battery Bank. • Container – Polypropylene Co-polymer/hard rubbers with carrying handle. • Terminals – Made of lead alloy suitable for bolted connection. The terminals should be greased with petroleum gel. • Self-Discharge – Less than 3% per month at 30⁰C • Life expectancy – 1500 cycle duty at 27⁰C at 80% depth of discharge 3000 cycle duty at 50% discharge. • Service Life – Manufacturer warranty minimum 3 years. 	01			
Total Amount:-						
Rs. In Words :-						

हस्ताक्षर निविदादाता नाम एवं पूरा पता मय सील