

बिड दस्तावेज़ / Bid Document

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	30-04-2026 16:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	30-04-2026 16:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)	120 (Days)
मंत्रालय/राज्य का नाम / Ministry/State Name	Ministry Of Civil Aviation
विभाग का नाम / Department Name	Ai Engineering Services Limited
संगठन का नाम / Organisation Name	Ai Engineering Services Limited
कार्यालय का नाम / Office Name	Ai Engineering Services Limited
कुल मात्रा / Total Quantity	2
वस्तु श्रेणी / Item Category	Online UPS (>10 KVA) With Battery (Q2) , Online UPS (?10 KVA) With Battery Conforming To IS 16242 (Part 1) (Q2)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) / Minimum Average Annual Turnover of the bidder (For 3 Years)	2 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का) / OEM Average Turnover (Last 3 Years)	2 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष / Years of Past Experience Required for same/similar service	3 Year (s)
टर्नओवर के लिए एमएसई को छूट प्राप्त है / MSE Relaxation for Turnover	Yes Partial Turn over value - 1 (in lakhs)
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़ / Document required from seller	Experience Criteria, Past Performance, Bidder Turnover, Certificate (Requested in ATC), OEM Authorization Certificate, OEM Annual Turnover, Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	4
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	2
विगत प्रदर्शन /Past Performance	10 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/Primary product category	Online UPS (>10 KVA) With Battery
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	5 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
अनुमानित बिड मूल्य / Estimated Bid Value	532000
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	10640

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00

ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).

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(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी /Beneficiary :

AI ENGINEERING SERVICES LIMITED

"AI Engineering Services Limited" <https://forms.eduqfix.com/aiengineering/add?formType=8489935188309188>

please refer general terms and conditions clause 2 of EMD

(Ai Engineering Services Limited)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers available upto price within L1+X%	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X%	15

सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25
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1. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
2. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
4. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
5. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023. [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
6. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for

compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

7. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

8. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
20-04-2026 11:00:00	<p>For Offline Pre Bid Meeting AI Engineering Services Ltd. (AIESL), MRO Complex, Near Gate 03, RGI Airport, Shamshabad - 500108</p> <p>For Online Pre Bid Meeting PatakotiBalaMurali Krishna has invited you to join an online meeting.</p> <p>Title: PRE BID MEETING FOR Supply, Installation, Commissioning & Testing of UPS at AIESL, Shamshabad Time: Mon, Apr 20, 2026 11:00 AM (Asia/Kolkata) Duration: 2 hrs</p> <p>Meeting link: https://meet.mgovcloud.in/poV3uhR1b9</p> <p>Meeting ID: 1863069127 Password: i9XSmp</p>

Online UPS (>10 KVA) With Battery (1 pieces)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Performance Parameters	Rating (in KVA)	25
	Input Voltage (AC, 50 Hz)	Three Phase, 300 V - 450V
	Output Voltage (AC, 50 Hz)	Three Phase, 415V±1% (Variable range: 380V - 415V)
Construction	Availability of Inbuilt Isolation Transformer	Yes, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Minimum Overload Capacity of Online UPS	120% of Rating in KVA for 10 minutes, 150% of Rating in KVA for 60 seconds
Battery/Backup Bank	Type of Battery	SMF-VRLA (Sealed Maintenance Free-Valve Regulated Lead Acid) / Stationary Lead Acid Batteries
	Backup Time	90.0 (minute)
Features	Type of Mounting of Online UPS	Floor Standing
	Ingress Protection	IP20, IP21 Or higher
Operating Conditions	Operating Temperature Range (Lower Limit)	5°C to 10°C
	Operating Temperature Range (Upper Limit)	35°C to 40°C
Warranty And Reports	Minimum Standard Warranty	1.0 (year)

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Bala Murali Krishna Patakoti	501218, AI Engineering services limited , Shamashabad ,Hydrabad , Telngana Pin Code 5001218	1	15

Online UPS (?10 KVA) With Battery Conforming To IS 16242 (Part 1) (1 pieces)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Bis Required	Yes
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तकनीकी विशिष्टियाँ /Technical Specifications

[* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Performance Parameters	Rating (in KVA)	5
	Input Voltage (AC, 50 Hz)	Single Phase, 160V - 260V
	Output Voltage (AC, 50 Hz)	Single Phase, 230V±1%,

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Construction	Availability of Inbuilt Isolation Transformer	Yes
	Minimum Overload Capacity of Online UPS	120% of Rating in KVA for 10 minutes, 150% of Rating in KVA for 60 seconds
Battery/Backup Bank	Type of Battery	SMF-VRLA (Sealed Maintenance Free-Valve Regulated Lead Acid) / Stationary Lead Acid Batteries, Lithium Ion Batteries
	Backup Time	30.0 (minute)
Features	Type of Mounting of Online UPS	Floor Standing
	Ingress Protection	IP21 Or higher
Operating Conditions	Operating Temperature Range (Lower Limit)	5°C to 10°C
	Operating Temperature Range (Upper Limit)	35°C to 40°C
Warranty And Reports	Minimum Standard Warranty	1.0 (year)

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Bala Murali Krishna Patakoti	501218,AI Engineering services limited , Shamashabad ,Hydrabad , Telngana Pin Code 5001218	1	15

Special terms and conditions-Version:2 effective from 17-03-2026 for category Online UPS (>10 KVA) With Battery

- 1.** In addition to General Terms and Conditions of GeM, the following Special T&C shall be applicable with reference to Installation and Commissioning.

Note to Seller: Installation and Commissioning shall involve all the interconnections, any cabling between power source, switch boards within 3 metre range for input power and connecting Output power in the Scope of seller.

Note to Buyer: Buyer will ensure well ventilated/covered site/room having requisite power points/distribution board to provide input power to UPS as well as to take out power from UPS within 3 metre of the location of UPS placement.

Note: The above is indicative and any incidental requirement related to above responsibilities shall also be considered in the responsibilities of Buyer and Seller as applicable.

2. The type of battery shall comply with the relevant BIS/IEC standard. (IS 15549/IS 13369 for Lead Acid Batteries and IS 16046 (Part 2)/IEC 62133-2 for Lithium-Ion Batteries.)

3. The number of batteries to be provided to get the required backup.

Number of Batteries = Total VAH ÷ (Battery Voltage × Battery Capacity).

The Total VAH may be determined as:

Total VAH = 1600 × UPS Capacity (kVA) × Backup Time (hours).

The factor 1600 is a combined efficiency and battery utilisation constant used to determine the Minimum Guaranteed VAH (Volt-Ampere-Hour) for the UPS system as per standard industry practice.

Special terms and conditions-Version:3 effective from 17-03-2026 for category Online UPS (?10 KVA) With Battery Conforming To IS 16242 (Part 1)

1. In addition to General Terms and Conditions of GeM, the following Special T&C shall be applicable with reference to Installation and Commissioning.

Note to Seller: Installation and Commissioning shall involve all the interconnections, any cabling between power source, switch boards within 3 metre range for input power and connecting Output power in the Scope of seller.

Note to Buyer: Buyer will ensure well ventilated/covered site/room having requisite power points/distribution board to provide input power to UPS as well as to take out power from UPS within 3 metre of the location of UPS placement.

Note: The above is indicative and any incidental requirement related to above responsibilities shall also be considered in the responsibilities of Buyer and Seller as applicable.

2. The type of battery shall comply with the relevant BIS/IEC standard. (IS 15549/IS 13369 for Lead Acid Batteries and IS 16046 (Part 2)/IEC 62133-2 for Lithium-Ion Batteries.)

3. The number of batteries to be provided to get the required backup.

Number of Batteries = Total VAH ÷ (Battery Voltage × Battery Capacity).

The Total VAH may be determined as:

Total VAH = 1600 × UPS Capacity (kVA) × Backup Time (hours).

The factor 1600 is a combined efficiency and battery utilisation constant used to determine the Minimum Guaranteed VAH (Volt-Ampere-Hour) for the UPS system as per standard industry practice.

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be (Increased quantity ÷ Original quantity) × Original delivery period (in days), subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 5 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 5 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

3. **Generic**

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

AI ENGINEERING SERVICES LIMITED
MRO COMPLEX, NEAR GATE 03
RGI AIRPORT
SHAMSHABAD, TELANGANA
5 0 0 1 0 8

4. **Generic**

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

5. **Generic**

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

6. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

7. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

8. **Generic**

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price:

battery bank, battery rack, input and output power cabled, mccb, mcb bypass switch, communication interface and software, copper jumpers with lugs, nut and bolts, power cables, colour codes, terminal

9. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Upload a duly signed tender copy in GeM portal along with 'Financial Bid for Tender No: HYD/PPMM/ENQ/06 dt: **09/04/2026**' for Supply, Installation, Commissioning & Testing of UPS at AIESL, Shamshabad.

PARA
METE
RS

25 KVA UPS

5 KVA UPS

MAKE	APC / LUMINOUS / ARTIS / DELTA / FUJIELECTRIC / HITACHI / LEGRAND / ORION / RIELLO / MICROTECK OR EQUIVALENT (Same technical parameters, same standard certifications)	APC / LUMINOUS / ARTIS / DELTA / FUJIELECTRIC / HITACHI / LEGRAND / ORION / RIELLO / MICROTECK OR EQUIVALENT (same technical parameters, same standard certifications)
Topology	True Online, Double Conversion (VFI-SS-111)	True Online, Double Conversion (VFI-SS-111)
Phase Configuration	3 Phase Input / 3 Phase Output	1 Phase Input / 1 Phase Output
Input Voltage	AC Three Phase 300 V - 450 V sinewave 50Hz	230 V AC $\pm 20\%$
Input Frequency	50 Hz ± 5 Hz	50 Hz ± 5 Hz
Input Power Factor	≥ 0.99	≥ 0.99
THDi (Input)	$\leq 5\%$	$\leq 5\%$
Output Voltage	415 V AC	415 V AC
Output Frequency	50 Hz ± 0.05 Hz	50 Hz ± 0.05 Hz
Output Power Factor	0.9 to 1.0	0.9 to 1.0
Output THD	$\leq 3\%$ (Linear), $\leq 5\%$ (Non-linear)	$\leq 3\%$ (Linear), $\leq 5\%$ (Non-linear)
Efficiency	$\geq 93\%$	$\geq 90\%$
Backup Time	60 minutes	30 minutes

Battery Type	Sealed Maintenance Free VRLA batteries conforming to IS 13369 / IEC standards/ Li-ion/ AGM must follow Japanese (JISC8702) and Indian (IS 13369:1992) standards. Should be stationary, sealed and have tubular positive plates in a monobloc unit.	Sealed Maintenance Free VRLA batteries conforming to IS 13369 / IEC standards/ Li-ion/ AGM must follow Japanese (JISC8702) and Indian (IS 13369:1992) standards. Should be stationary, sealed and have tubular positive plates in a monobloc unit.
DC Bus Voltage	240-384 V DC	96-192 V DC
Display Type	LCD / Touch Display	LCD / Touch Display
Communication Interface	RS-232 / USB /SNMP / Modbus	RS-232 / USB /SNMP / Modbus
Overload Capacity	125% for 10 min, 150% for 1 min	125% for 10 min, 150% for 1 min
Crest Factor	3:1	3:1
Noise Level	≤ 55 dB at 1 meter	≤ 50 dB at 1 meter
Operating Temperature	0°C - 40°C	0°C - 40°C
Standards	IEC 62040-1, 62040-2, 62040-3, CE	IEC 62040-1, 62040-2, 62040-3, CE
Switching Technology	IGBT-PWM	IGBT-PWM
Cooling	Forced air cooling with temperature-controlled fans	Forced air cooling with temperature-controlled fans
Protection Class	IP21 with washable dust filters	IP21 with washable dust filters

Protection for short circuit and overload at the output terminal overvoltage & undervoltage at the battery terminal.	Protection for short circuit and overload at the output terminal overvoltage & undervoltage at the battery terminal.
Indicator for battery charging and discharging, output overload with audible alarm, alarm & indicator for low battery voltage	Indicator for battery charging and discharging, output overload with audible alarm, alarm & indicator for low battery voltage
Input voltage, output voltage, input frequency, output frequency.	Input voltage, output voltage, input frequency, output frequency.
24 months	24 months
24 months	24 months
COC, Warranty, Load test, battery backup test at full load; Manual & automatic Bypass test; Overload protection Test; Battery low voltage Cutoff test; Insulation Resistance Test; Electrical safety certificate; Earthing Test Report; Load test certificate.	

Scope of Work

3.2.1. Supply

The contractor/vendor shall supply the following items:

- One (1) number of **5 kVA** & one number **25 kVA Online UPS System**, true double-conversion type with IGBT-based rectifier and inverter Make: APC / LUMINOUS / ARTIS / DELTA / FUJIELECTRIC / HITACHI / LEGRAND / ORION / RIELLO / MICROTECK OR EQUIVALENT (same technical parameters, same standard certifications).
- **Battery bank** (SMF VRLA / Li-ion/AGM) capable of providing **minimum 60 minutes backup at full load (25 kVA)** & 30 Min battery backup for 5 KVA.
- **Battery rack** (MS powder-coated) suitable for indoor installation.
- **Input and output power cables**, interconnecting DC cables and control cables.
- **MCCBs / MCBs**, fuses, lugs and other electrical protection accessories.
- **Maintenance bypass switch** (manual/automatic).
- **Monitoring accessories**, communication interface (RS-232/SNMP/USB//Modbus) and software (if applicable).
- **Copper Jumpers with Lugs with suitable nut and bolts, power cables, colour codes, terminal.**

3.2.2 Installation

The vendor shall:

- Inspect and prepare the site for UPS and battery installation.
- Install the UPS and battery bank at the designated location as per the layout approved by the department.
- Provide and fix the battery racks, ensuring proper spacing and ventilation.
- Carry out complete electrical interconnections between UPS, battery bank and load panel using suitably rated copper cables.
- Ensure proper earthing, cable dressing, labelling and cable termination with lugs and ferrules.

3.2.3 Testing & Commissioning

The vendor shall:

- Perform **pre-commissioning checks** on UPS and batteries.
- Carry out **no-load and full-load testing** to verify parameters like voltage, frequency, power factor and backup duration.
- Demonstrate **automatic and manual bypass operation**.
- Record and submit test results for approval.
- Commission the system in coordination with the end user.

3.2.4 Documentation

The vendor shall provide:

- Operation & Maintenance (O&M) Manual for the UPS system and batteries.
- Test reports and commissioning certificates.
- Circuit diagrams, single-line diagrams and configuration details.
- Warranty certificates and battery manufacturer test sheets.

3.2.5 Training

The vendor shall conduct **on-site training** for user personnel covering:

- UPS operation (normal, bypass and battery modes)
- Safety precautions and periodic maintenance
- Basic troubleshooting and alarm handling

3.2.6 Warranty & Support

- UPS System: **Minimum 24 months** from the date of commissioning.
- Batteries: **Minimum 24 months** from the date of commissioning.
- The vendor shall provide **on-site service support** during the warranty period.
- Response time for breakdown calls shall not exceed **24 hours**.

3.2.7 Exclusions (if applicable)

- Civil works (foundation, trenching, etc.) unless specified.
- Electrical panels beyond the UPS output distribution.

Air conditioning or environmental control for UPS room (to be provided by client).

10. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer, is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.

5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions.](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---